GCLC Prover Output for conjecture "proof97"

Groebner bases method used

October 2, 2015

1 Construction and prover internal state

Construction commands:

- Point A
- Point O
- Circle, c: O A
- Random point on circle, B: O A 0.840512
- Random point on circle, C: O A 0.240225
- Random point on circle, D: O A 1.689463
- Random point on circle, P: O A 4.857068
- Random point on circle, $P1$: O A 0.400475
- Line ac: A C
- Foot, F: P ac
- Foot, $F2$: $P1$ ac
- Line ab: A B
- Foot, G: P ab
- Foot, $G1$: $P1$ ab
- Line ad: A D
- Foot, $F1$: P ad
- Foot, $F3$: $P1$ ad

Coordinates assigned to the points:

- $A = (0, 0)$
- $O = (u_1, 0)$
- $B = (x_1, u_2)$
- $C = (x_2, u_3)$
- $D = (x_3, u_4)$
- $P = (x_4, u_5)$
- $P1 = (x_5, u_6)$
- $F = (x_7, x_6)$
- $F2 = (x_9, x_8)$
- $G = (x_{11}, x_{10})$
- $G1 = (x_{13}, x_{12})$
- $F1 = (x_{15}, x_{14})$
- $F3 = (x_{17}, x_{16})$

Conjecture(s):

1. Given conjecture

   - **GCLC code:**

     ```
     equal { angle F G F1 } { angle F2 G1 F3 }
     ```

   - **Expression:**
     $tan(\angle FGF1) = tan(\angle F2G1F3)$
   - **Expression after rationalization:**
     $(\angle FGF1 \cdot \frac{1}{\angle F2G1F3}) = (\angle F2G1F3 \cdot \frac{1}{\angle FGF1})$

2 Resolving constructed lines

- $ac \ni A, C, F, F2$
- $FP \ni F, P$; line is generated by the prover
- $F2P1 \ni F2, P1$; line is generated by the prover
- $ab \ni A, B, G, G1$
- $GP \ni G, P$; line is generated by the prover
- $G1P1 \ni G1, P1$; line is generated by the prover

- $ad \ni A, D, F1, F3$
- $F1P \ni F1, P$; line is generated by the prover
- $F3P1 \ni F3, P1$; line is generated by the prover
- $AO \ni A, O$; line is horizontal (i.e., $y(A) = y(O)$); line is generated by the prover

3 Creating polynomials from hypotheses

- Point A
  no condition
- Point O
  no condition
- Circle, c: $O\ A$
  no condition
- Random point on circle, B: $O\ A$ 0.840512
  - Segment [B, O] equal size as segment [A, O]

$$p_1 = x_1^2 - 2u_1x_1 + u_2^2$$

- Random point on circle, C: $O\ A$ 0.240225
  - Segment [C, O] equal size as segment [A, O]

$$p_2 = x_2^2 - 2u_1x_2 + u_3^2$$

- Random point on circle, D: $O\ A$ 1.689463
  - Segment [D, O] equal size as segment [A, O]

$$p_3 = x_3^2 - 2u_1x_3 + u_4^2$$

- Random point on circle, P: $O\ A$ 4.857068
  - Segment [P, O] equal size as segment [A, O]

$$p_4 = x_4^2 - 2u_1x_4 + u_5^2$$

- Random point on circle, $P1$: $O\ A$ 0.400475
  - Segment [$P1$, O] equal size as segment [A, O]

$$p_5 = x_5^2 - 2u_1x_5 + u_6^2$$

- Line ac: $A\ C$
  - point A is on the line (A, C)
    no condition

- point C is on the line $(A,\, C)$
  no condition

- Foot, F: $P\ ac$
  - point F is on the line $(A,\, C)$

$$p_6 = -u_3 x_7 + x_6 x_2$$

  - Line $(F,\, P)$ perpendicular with line $(A,\, C)$

$$p_7 = -x_7 x_2 - u_3 x_6 + x_4 x_2 + u_5 u_3$$

- Foot, $F2$: $P1\ ac$
  - point $F2$ is on the line $(A,\, C)$

$$p_8 = -u_3 x_9 + x_8 x_2$$

  - Line $(F2,\, P1)$ perpendicular with line $(A,\, C)$

$$p_9 = -x_9 x_2 - u_3 x_8 + x_5 x_2 + u_6 u_3$$

- Line ab: $A\ B$
  - point A is on the line $(A,\, B)$
    no condition
  - point B is on the line $(A,\, B)$
    no condition

- Foot, G: $P\ ab$
  - point G is on the line $(A,\, B)$

$$p_{10} = -u_2 x_{11} + x_{10} x_1$$

  - Line $(G,\, P)$ perpendicular with line $(A,\, B)$

$$p_{11} = -x_{11} x_1 - u_2 x_{10} + x_4 x_1 + u_5 u_2$$

- Foot, $G1$: $P1\ ab$
  - point $G1$ is on the line $(A,\, B)$

$$p_{12} = -u_2 x_{13} + x_{12} x_1$$

  - Line $(G1,\, P1)$ perpendicular with line $(A,\, B)$

$$p_{13} = -x_{13} x_1 - u_2 x_{12} + x_5 x_1 + u_6 u_2$$

- Line ad: $A\ D$
  - point A is on the line $(A,\, D)$
    no condition

- point D is on the line $(A,\ D)$
  no condition

- Foot, $F1$: $P\ ad$
  - point $F1$ is on the line $(A,\ D)$

$$p_{14} = -u_4 x_{15} + x_{14} x_3$$

  - Line $(F1,\ P)$ perpendicular with line $(A,\ D)$

$$p_{15} = -x_{15} x_3 - u_4 x_{14} + x_4 x_3 + u_5 u_4$$

- Foot, $F3$: $P1\ ad$
  - point $F3$ is on the line $(A,\ D)$

$$p_{16} = -u_4 x_{17} + x_{16} x_3$$

  - Line $(F3,\ P1)$ perpendicular with line $(A,\ D)$

$$p_{17} = -x_{17} x_3 - u_4 x_{16} + x_5 x_3 + u_6 u_4$$

4 Creating polynomial from the conjecture

- Processing given conjecture(s).

Conjecture 1: Polynomial too big for output (text size is 2240 characters, number of terms is 96)

5 Invoking the theorem prover

The used proving method is Buchberger's method.

Input polynomial system is:

$$
\begin{aligned}
p_0 &= x_1^2 - 2u_1x_1 + u_2^2 \\
p_1 &= x_2^2 - 2u_1x_2 + u_3^2 \\
p_2 &= x_3^2 - 2u_1x_3 + u_4^2 \\
p_3 &= x_4^2 - 2u_1x_4 + u_5^2 \\
p_4 &= x_5^2 - 2u_1x_5 + u_6^2 \\
p_5 &= -u_3x_7 + x_6x_2 \\
p_6 &= -x_7x_2 - u_3x_6 + x_4x_2 + u_5u_3 \\
p_7 &= -u_3x_9 + x_8x_2 \\
p_8 &= -x_9x_2 - u_3x_8 + x_5x_2 + u_6u_3 \\
p_9 &= -u_2x_{11} + x_{10}x_1 \\
p_{10} &= -x_{11}x_1 - u_2x_{10} + x_4x_1 + u_5u_2 \\
p_{11} &= -u_2x_{13} + x_{12}x_1 \\
p_{12} &= -x_{13}x_1 - u_2x_{12} + x_5x_1 + u_6u_2 \\
p_{13} &= -u_4x_{15} + x_{14}x_3 \\
p_{14} &= -x_{15}x_3 - u_4x_{14} + x_4x_3 + u_5u_4 \\
p_{15} &= -u_4x_{17} + x_{16}x_3 \\
p_{16} &= -x_{17}x_3 - u_4x_{16} + x_5x_3 + u_6u_4
\end{aligned}
$$

5.1 Iteration 1

Current set is $S_1 =$

$$
\begin{aligned}
p_0 &= x_1^2 - 2u_1x_1 + u_2^2 \\
p_1 &= x_2^2 - 2u_1x_2 + u_3^2 \\
p_2 &= x_3^2 - 2u_1x_3 + u_4^2 \\
p_3 &= x_4^2 - 2u_1x_4 + u_5^2 \\
p_4 &= x_5^2 - 2u_1x_5 + u_6^2 \\
p_5 &= -u_3x_7 + x_6x_2 \\
p_6 &= -x_7x_2 - u_3x_6 + x_4x_2 + u_5u_3 \\
p_7 &= -u_3x_9 + x_8x_2 \\
p_8 &= -x_9x_2 - u_3x_8 + x_5x_2 + u_6u_3 \\
p_9 &= -u_2x_{11} + x_{10}x_1 \\
p_{10} &= -x_{11}x_1 - u_2x_{10} + x_4x_1 + u_5u_2 \\
p_{11} &= -u_2x_{13} + x_{12}x_1 \\
p_{12} &= -x_{13}x_1 - u_2x_{12} + x_5x_1 + u_6u_2 \\
p_{13} &= -u_4x_{15} + x_{14}x_3 \\
p_{14} &= -x_{15}x_3 - u_4x_{14} + x_4x_3 + u_5u_4 \\
p_{15} &= -u_4x_{17} + x_{16}x_3 \\
p_{16} &= -x_{17}x_3 - u_4x_{16} + x_5x_3 + u_6u_4
\end{aligned}
$$

1. Creating S-polynomial from the pair (p_0, p_1).
   Skipping pair p_0 and p_1 because gcd of their leading monoms is zero.
2. Creating S-polynomial from the pair (p_0, p_2).
   Skipping pair p_0 and p_2 because gcd of their leading monoms is zero.
3. Creating S-polynomial from the pair (p_0, p_3).
   Skipping pair p_0 and p_3 because gcd of their leading monoms is zero.
4. Creating S-polynomial from the pair (p_0, p_4).
   Skipping pair p_0 and p_4 because gcd of their leading monoms is zero.
5. Creating S-polynomial from the pair (p_0, p_5).
   Skipping pair p_0 and p_5 because gcd of their leading monoms is zero.
6. Creating S-polynomial from the pair (p_0, p_6).
   Skipping pair p_0 and p_6 because gcd of their leading monoms is zero.
7. Creating S-polynomial from the pair (p_0, p_7).
   Skipping pair p_0 and p_7 because gcd of their leading monoms is zero.
8. Creating S-polynomial from the pair (p_0, p_8).
   Skipping pair p_0 and p_8 because gcd of their leading monoms is zero.

9. Creating S-polynomial from the pair (p_0, p_9).
   Skipping pair p_0 and p_9 because gcd of their leading monoms is zero.
10. Creating S-polynomial from the pair (p_0, p_{10}).
    Forming S-pol of p_0 and p_{10}:
    $$p_{52} = 2u_1x_{11}x_1 - u_2^2x_{11} + u_2x_{10}x_1 - x_4x_1^2 - u_5u_2x_1$$
    S-pol added.
11. Creating S-polynomial from the pair (p_0, p_{11}).
    Skipping pair p_0 and p_{11} because gcd of their leading monoms is zero.
12. Creating S-polynomial from the pair (p_0, p_{12}).
    Forming S-pol of p_0 and p_{12}:
    $$p_{53} = 2u_1x_{13}x_1 - u_2^2x_{13} + u_2x_{12}x_1 - x_5x_1^2 - u_6u_2x_1$$
    S-pol added.
13. Creating S-polynomial from the pair (p_0, p_{13}).
    Skipping pair p_0 and p_{13} because gcd of their leading monoms is zero.
14. Creating S-polynomial from the pair (p_0, p_{14}).
    Skipping pair p_0 and p_{14} because gcd of their leading monoms is zero.
15. Creating S-polynomial from the pair (p_0, p_{15}).
    Skipping pair p_0 and p_{15} because gcd of their leading monoms is zero.
16. Creating S-polynomial from the pair (p_0, p_{16}).
    Skipping pair p_0 and p_{16} because gcd of their leading monoms is zero.
17. Creating S-polynomial from the pair (p_1, p_2).
    Skipping pair p_1 and p_2 because gcd of their leading monoms is zero.
18. Creating S-polynomial from the pair (p_1, p_3).
    Skipping pair p_1 and p_3 because gcd of their leading monoms is zero.
19. Creating S-polynomial from the pair (p_1, p_4).
    Skipping pair p_1 and p_4 because gcd of their leading monoms is zero.
20. Creating S-polynomial from the pair (p_1, p_5).
    Skipping pair p_1 and p_5 because gcd of their leading monoms is zero.
21. Creating S-polynomial from the pair (p_1, p_6).
    Forming S-pol of p_1 and p_6:
    $$p_{54} = 2u_1x_7x_2 - u_3^2x_7 + u_3x_6x_2 - x_4x_2^2 - u_5u_3x_2$$
    S-pol added.

22. Creating S-polynomial from the pair (p_1, p_7).
    Skipping pair p_1 and p_7 because gcd of their leading monoms is zero.
23. Creating S-polynomial from the pair (p_1, p_8).
    Forming S-pol of p_1 and p_8:
    $$p_{55} = 2u_1x_9x_2 - u_3^2x_9 + u_3x_8x_2 - x_5x_2^2 - u_6u_3x_2$$
    S-pol added.
24. Creating S-polynomial from the pair (p_1, p_9).
    Skipping pair p_1 and p_9 because gcd of their leading monoms is zero.
25. Creating S-polynomial from the pair (p_1, p_{10}).
    Skipping pair p_1 and p_{10} because gcd of their leading monoms is zero.
26. Creating S-polynomial from the pair (p_1, p_{11}).
    Skipping pair p_1 and p_{11} because gcd of their leading monoms is zero.
27. Creating S-polynomial from the pair (p_1, p_{12}).
    Skipping pair p_1 and p_{12} because gcd of their leading monoms is zero.
28. Creating S-polynomial from the pair (p_1, p_{13}).
    Skipping pair p_1 and p_{13} because gcd of their leading monoms is zero.
29. Creating S-polynomial from the pair (p_1, p_{14}).
    Skipping pair p_1 and p_{14} because gcd of their leading monoms is zero.
30. Creating S-polynomial from the pair (p_1, p_{15}).
    Skipping pair p_1 and p_{15} because gcd of their leading monoms is zero.
31. Creating S-polynomial from the pair (p_1, p_{16}).
    Skipping pair p_1 and p_{16} because gcd of their leading monoms is zero.
32. Creating S-polynomial from the pair (p_2, p_3).
    Skipping pair p_2 and p_3 because gcd of their leading monoms is zero.
33. Creating S-polynomial from the pair (p_2, p_4).
    Skipping pair p_2 and p_4 because gcd of their leading monoms is zero.
34. Creating S-polynomial from the pair (p_2, p_5).
    Skipping pair p_2 and p_5 because gcd of their leading monoms is zero.
35. Creating S-polynomial from the pair (p_2, p_6).
    Skipping pair p_2 and p_6 because gcd of their leading monoms is zero.
36. Creating S-polynomial from the pair (p_2, p_7).
    Skipping pair p_2 and p_7 because gcd of their leading monoms is zero.
37. Creating S-polynomial from the pair (p_2, p_8).
    Skipping pair p_2 and p_8 because gcd of their leading monoms is zero.

38. Creating S-polynomial from the pair (p_2, p_9).
    Skipping pair p_2 and p_9 because gcd of their leading monoms is zero.
39. Creating S-polynomial from the pair (p_2, p_{10}).
    Skipping pair p_2 and p_{10} because gcd of their leading monoms is zero.
40. Creating S-polynomial from the pair (p_2, p_{11}).
    Skipping pair p_2 and p_{11} because gcd of their leading monoms is zero.
41. Creating S-polynomial from the pair (p_2, p_{12}).
    Skipping pair p_2 and p_{12} because gcd of their leading monoms is zero.
42. Creating S-polynomial from the pair (p_2, p_{13}).
    Skipping pair p_2 and p_{13} because gcd of their leading monoms is zero.
43. Creating S-polynomial from the pair (p_2, p_{14}).
    Forming S-pol of p_2 and p_{14}:

    $$p_{56} = 2u_1x_{15}x_3 - u_4^2x_{15} + u_4x_{14}x_3 - x_4x_3^2 - u_5u_4x_3$$

    S-pol added.
44. Creating S-polynomial from the pair (p_2, p_{15}).
    Skipping pair p_2 and p_{15} because gcd of their leading monoms is zero.
45. Creating S-polynomial from the pair (p_2, p_{16}).
    Forming S-pol of p_2 and p_{16}:

    $$p_{57} = 2u_1x_{17}x_3 - u_4^2x_{17} + u_4x_{16}x_3 - x_5x_3^2 - u_6u_4x_3$$

    S-pol added.
46. Creating S-polynomial from the pair (p_3, p_4).
    Skipping pair p_3 and p_4 because gcd of their leading monoms is zero.
47. Creating S-polynomial from the pair (p_3, p_5).
    Skipping pair p_3 and p_5 because gcd of their leading monoms is zero.
48. Creating S-polynomial from the pair (p_3, p_6).
    Skipping pair p_3 and p_6 because gcd of their leading monoms is zero.
49. Creating S-polynomial from the pair (p_3, p_7).
    Skipping pair p_3 and p_7 because gcd of their leading monoms is zero.
50. Creating S-polynomial from the pair (p_3, p_8).
    Skipping pair p_3 and p_8 because gcd of their leading monoms is zero.
51. Creating S-polynomial from the pair (p_3, p_9).
    Skipping pair p_3 and p_9 because gcd of their leading monoms is zero.

52. Creating S-polynomial from the pair (p_3, p_{10}).
    Skipping pair p_3 and p_{10} because gcd of their leading monoms is zero.
53. Creating S-polynomial from the pair (p_3, p_{11}).
    Skipping pair p_3 and p_{11} because gcd of their leading monoms is zero.
54. Creating S-polynomial from the pair (p_3, p_{12}).
    Skipping pair p_3 and p_{12} because gcd of their leading monoms is zero.
55. Creating S-polynomial from the pair (p_3, p_{13}).
    Skipping pair p_3 and p_{13} because gcd of their leading monoms is zero.
56. Creating S-polynomial from the pair (p_3, p_{14}).
    Skipping pair p_3 and p_{14} because gcd of their leading monoms is zero.
57. Creating S-polynomial from the pair (p_3, p_{15}).
    Skipping pair p_3 and p_{15} because gcd of their leading monoms is zero.
58. Creating S-polynomial from the pair (p_3, p_{16}).
    Skipping pair p_3 and p_{16} because gcd of their leading monoms is zero.
59. Creating S-polynomial from the pair (p_4, p_5).
    Skipping pair p_4 and p_5 because gcd of their leading monoms is zero.
60. Creating S-polynomial from the pair (p_4, p_6).
    Skipping pair p_4 and p_6 because gcd of their leading monoms is zero.
61. Creating S-polynomial from the pair (p_4, p_7).
    Skipping pair p_4 and p_7 because gcd of their leading monoms is zero.
62. Creating S-polynomial from the pair (p_4, p_8).
    Skipping pair p_4 and p_8 because gcd of their leading monoms is zero.
63. Creating S-polynomial from the pair (p_4, p_9).
    Skipping pair p_4 and p_9 because gcd of their leading monoms is zero.
64. Creating S-polynomial from the pair (p_4, p_{10}).
    Skipping pair p_4 and p_{10} because gcd of their leading monoms is zero.
65. Creating S-polynomial from the pair (p_4, p_{11}).
    Skipping pair p_4 and p_{11} because gcd of their leading monoms is zero.
66. Creating S-polynomial from the pair (p_4, p_{12}).
    Skipping pair p_4 and p_{12} because gcd of their leading monoms is zero.
67. Creating S-polynomial from the pair (p_4, p_{13}).
    Skipping pair p_4 and p_{13} because gcd of their leading monoms is zero.
68. Creating S-polynomial from the pair (p_4, p_{14}).
    Skipping pair p_4 and p_{14} because gcd of their leading monoms is zero.

69. Creating S-polynomial from the pair (p_4, p_{15}).
    Skipping pair p_4 and p_{15} because gcd of their leading monoms is zero.
70. Creating S-polynomial from the pair (p_4, p_{16}).
    Skipping pair p_4 and p_{16} because gcd of their leading monoms is zero.
71. Creating S-polynomial from the pair (p_5, p_6).
    Forming S-pol of p_5 and p_6:
    $$p_{58} = -x_6x_2^2 - u_3^2x_6 + u_3x_4x_2 + u_5u_3^2$$
    S-pol added.
72. Creating S-polynomial from the pair (p_5, p_7).
    Skipping pair p_5 and p_7 because gcd of their leading monoms is zero.
73. Creating S-polynomial from the pair (p_5, p_8).
    Skipping pair p_5 and p_8 because gcd of their leading monoms is zero.
74. Creating S-polynomial from the pair (p_5, p_9).
    Skipping pair p_5 and p_9 because gcd of their leading monoms is zero.
75. Creating S-polynomial from the pair (p_5, p_{10}).
    Skipping pair p_5 and p_{10} because gcd of their leading monoms is zero.
76. Creating S-polynomial from the pair (p_5, p_{11}).
    Skipping pair p_5 and p_{11} because gcd of their leading monoms is zero.
77. Creating S-polynomial from the pair (p_5, p_{12}).
    Skipping pair p_5 and p_{12} because gcd of their leading monoms is zero.
78. Creating S-polynomial from the pair (p_5, p_{13}).
    Skipping pair p_5 and p_{13} because gcd of their leading monoms is zero.
79. Creating S-polynomial from the pair (p_5, p_{14}).
    Skipping pair p_5 and p_{14} because gcd of their leading monoms is zero.
80. Creating S-polynomial from the pair (p_5, p_{15}).
    Skipping pair p_5 and p_{15} because gcd of their leading monoms is zero.
81. Creating S-polynomial from the pair (p_5, p_{16}).
    Skipping pair p_5 and p_{16} because gcd of their leading monoms is zero.
82. Creating S-polynomial from the pair (p_6, p_7).
    Skipping pair p_6 and p_7 because gcd of their leading monoms is zero.
83. Creating S-polynomial from the pair (p_6, p_8).
    Forming S-pol of p_6 and p_8:
    $$p_{59} = u_3x_9x_6 - x_9x_4x_2 - u_5u_3x_9 - u_3x_8x_7 + x_7x_5x_2 + u_6u_3x_7$$
    S-pol added.

84. Creating S-polynomial from the pair (p_6, p_9).
    Skipping pair p_6 and p_9 because gcd of their leading monoms is zero.
85. Creating S-polynomial from the pair (p_6, p_{10}).
    Skipping pair p_6 and p_{10} because gcd of their leading monoms is zero.
86. Creating S-polynomial from the pair (p_6, p_{11}).
    Skipping pair p_6 and p_{11} because gcd of their leading monoms is zero.
87. Creating S-polynomial from the pair (p_6, p_{12}).
    Skipping pair p_6 and p_{12} because gcd of their leading monoms is zero.
88. Creating S-polynomial from the pair (p_6, p_{13}).
    Skipping pair p_6 and p_{13} because gcd of their leading monoms is zero.
89. Creating S-polynomial from the pair (p_6, p_{14}).
    Skipping pair p_6 and p_{14} because gcd of their leading monoms is zero.
90. Creating S-polynomial from the pair (p_6, p_{15}).
    Skipping pair p_6 and p_{15} because gcd of their leading monoms is zero.
91. Creating S-polynomial from the pair (p_6, p_{16}).
    Skipping pair p_6 and p_{16} because gcd of their leading monoms is zero.
92. Creating S-polynomial from the pair (p_7, p_8).
    Forming S-pol of p_7 and p_8:

    $$p_{60} = -x_8x_2^2 - u_3^2x_8 + u_3x_5x_2 + u_6u_3^2$$

    S-pol added.
93. Creating S-polynomial from the pair (p_7, p_9).
    Skipping pair p_7 and p_9 because gcd of their leading monoms is zero.
94. Creating S-polynomial from the pair (p_7, p_{10}).
    Skipping pair p_7 and p_{10} because gcd of their leading monoms is zero.
95. Creating S-polynomial from the pair (p_7, p_{11}).
    Skipping pair p_7 and p_{11} because gcd of their leading monoms is zero.
96. Creating S-polynomial from the pair (p_7, p_{12}).
    Skipping pair p_7 and p_{12} because gcd of their leading monoms is zero.
97. Creating S-polynomial from the pair (p_7, p_{13}).
    Skipping pair p_7 and p_{13} because gcd of their leading monoms is zero.
98. Creating S-polynomial from the pair (p_7, p_{14}).
    Skipping pair p_7 and p_{14} because gcd of their leading monoms is zero.
99. Creating S-polynomial from the pair (p_7, p_{15}).
    Skipping pair p_7 and p_{15} because gcd of their leading monoms is zero.

100. Creating S-polynomial from the pair (p_7, p_{16}).
Skipping pair p_7 and p_{16} because gcd of their leading monoms is zero.

101. Creating S-polynomial from the pair (p_8, p_9).
Skipping pair p_8 and p_9 because gcd of their leading monoms is zero.

102. Creating S-polynomial from the pair (p_8, p_{10}).
Skipping pair p_8 and p_{10} because gcd of their leading monoms is zero.

103. Creating S-polynomial from the pair (p_8, p_{11}).
Skipping pair p_8 and p_{11} because gcd of their leading monoms is zero.

104. Creating S-polynomial from the pair (p_8, p_{12}).
Skipping pair p_8 and p_{12} because gcd of their leading monoms is zero.

105. Creating S-polynomial from the pair (p_8, p_{13}).
Skipping pair p_8 and p_{13} because gcd of their leading monoms is zero.

106. Creating S-polynomial from the pair (p_8, p_{14}).
Skipping pair p_8 and p_{14} because gcd of their leading monoms is zero.

107. Creating S-polynomial from the pair (p_8, p_{15}).
Skipping pair p_8 and p_{15} because gcd of their leading monoms is zero.

108. Creating S-polynomial from the pair (p_8, p_{16}).
Skipping pair p_8 and p_{16} because gcd of their leading monoms is zero.

109. Creating S-polynomial from the pair (p_9, p_{10}).
Forming S-pol of p_9 and p_{10}:

$$p_{61} = -x_{10}x_1^2 - u_2^2x_{10} + u_2x_4x_1 + u_5u_2^2$$

S-pol added.

110. Creating S-polynomial from the pair (p_9, p_{11}).
Skipping pair p_9 and p_{11} because gcd of their leading monoms is zero.

111. Creating S-polynomial from the pair (p_9, p_{12}).
Skipping pair p_9 and p_{12} because gcd of their leading monoms is zero.

112. Creating S-polynomial from the pair (p_9, p_{13}).
Skipping pair p_9 and p_{13} because gcd of their leading monoms is zero.

113. Creating S-polynomial from the pair (p_9, p_{14}).
Skipping pair p_9 and p_{14} because gcd of their leading monoms is zero.

114. Creating S-polynomial from the pair (p_9, p_{15}).
Skipping pair p_9 and p_{15} because gcd of their leading monoms is zero.

115. Creating S-polynomial from the pair (p_9, p_{16}).
Skipping pair p_9 and p_{16} because gcd of their leading monoms is zero.

116. Creating S-polynomial from the pair (p_{10}, p_{11}).
Skipping pair p_{10} and p_{11} because gcd of their leading monoms is zero.

117. Creating S-polynomial from the pair (p_{10}, p_{12}).
Forming S-pol of p_{10} and p_{12}:

$$p_{62} = u_2x_{13}x_{10} - x_{13}x_4x_1 - u_5u_2x_{13} - u_2x_{12}x_{11} + x_{11}x_5x_1 + u_6u_2x_{11}$$

S-pol added.

118. Creating S-polynomial from the pair (p_{10}, p_{13}).
Skipping pair p_{10} and p_{13} because gcd of their leading monoms is zero.

119. Creating S-polynomial from the pair (p_{10}, p_{14}).
Skipping pair p_{10} and p_{14} because gcd of their leading monoms is zero.

120. Creating S-polynomial from the pair (p_{10}, p_{15}).
Skipping pair p_{10} and p_{15} because gcd of their leading monoms is zero.

121. Creating S-polynomial from the pair (p_{10}, p_{16}).
Skipping pair p_{10} and p_{16} because gcd of their leading monoms is zero.

122. Creating S-polynomial from the pair (p_{11}, p_{12}).
Forming S-pol of p_{11} and p_{12}:

$$p_{63} = -x_{12}x_1^2 - u_2^2x_{12} + u_2x_5x_1 + u_6u_2^2$$

S-pol added.

123. Creating S-polynomial from the pair (p_{11}, p_{13}).
Skipping pair p_{11} and p_{13} because gcd of their leading monoms is zero.

124. Creating S-polynomial from the pair (p_{11}, p_{14}).
Skipping pair p_{11} and p_{14} because gcd of their leading monoms is zero.

125. Creating S-polynomial from the pair (p_{11}, p_{15}).
Skipping pair p_{11} and p_{15} because gcd of their leading monoms is zero.

126. Creating S-polynomial from the pair (p_{11}, p_{16}).
Skipping pair p_{11} and p_{16} because gcd of their leading monoms is zero.

127. Creating S-polynomial from the pair (p_{12}, p_{13}).
Skipping pair p_{12} and p_{13} because gcd of their leading monoms is zero.

128. Creating S-polynomial from the pair (p_{12}, p_{14}).
Skipping pair p_{12} and p_{14} because gcd of their leading monoms is zero.

129. Creating S-polynomial from the pair (p_{12}, p_{15}).
Skipping pair p_{12} and p_{15} because gcd of their leading monoms is zero.

130. Creating S-polynomial from the pair (p_{12}, p_{16}).
Skipping pair p_{12} and p_{16} because gcd of their leading monoms is zero.

131. Creating S-polynomial from the pair (p_{13}, p_{14}).
Forming S-pol of p_{13} and p_{14}:

$$p_{64} = -x_{14}x_3^2 - u_4^2x_{14} + u_4x_4x_3 + u_5u_4^2$$

S-pol added.

132. Creating S-polynomial from the pair (p_{13}, p_{15}).
Skipping pair p_{13} and p_{15} because gcd of their leading monoms is zero.

133. Creating S-polynomial from the pair (p_{13}, p_{16}).
Skipping pair p_{13} and p_{16} because gcd of their leading monoms is zero.

134. Creating S-polynomial from the pair (p_{14}, p_{15}).
Skipping pair p_{14} and p_{15} because gcd of their leading monoms is zero.

135. Creating S-polynomial from the pair (p_{14}, p_{16}).
Forming S-pol of p_{14} and p_{16}:

$$p_{65} = u_4x_{17}x_{14} - x_{17}x_4x_3 - u_5u_4x_{17} - u_4x_{16}x_{15} + x_{15}x_5x_3 + u_6u_4x_{15}$$

S-pol added.

136. Creating S-polynomial from the pair (p_{15}, p_{16}).
Forming S-pol of p_{15} and p_{16}:

$$p_{66} = -x_{16}x_3^2 - u_4^2x_{16} + u_4x_5x_3 + u_6u_4^2$$

S-pol added.

5.2 Iteration 2

Current set is $S_2 =$

$$
\begin{aligned}
p_0 &= x_1^2 - 2u_1x_1 + u_2^2 \\
p_1 &= x_2^2 - 2u_1x_2 + u_3^2 \\
p_2 &= x_3^2 - 2u_1x_3 + u_4^2 \\
p_3 &= x_4^2 - 2u_1x_4 + u_5^2 \\
p_4 &= x_5^2 - 2u_1x_5 + u_6^2 \\
p_5 &= -u_3x_7 + x_6x_2 \\
p_6 &= -x_7x_2 - u_3x_6 + x_4x_2 + u_5u_3 \\
p_7 &= -u_3x_9 + x_8x_2 \\
p_8 &= -x_9x_2 - u_3x_8 + x_5x_2 + u_6u_3 \\
p_9 &= -u_2x_{11} + x_{10}x_1 \\
p_{10} &= -x_{11}x_1 - u_2x_{10} + x_4x_1 + u_5u_2 \\
p_{11} &= -u_2x_{13} + x_{12}x_1 \\
p_{12} &= -x_{13}x_1 - u_2x_{12} + x_5x_1 + u_6u_2 \\
p_{13} &= -u_4x_{15} + x_{14}x_3 \\
p_{14} &= -x_{15}x_3 - u_4x_{14} + x_4x_3 + u_5u_4 \\
p_{15} &= -u_4x_{17} + x_{16}x_3 \\
p_{16} &= -x_{17}x_3 - u_4x_{16} + x_5x_3 + u_6u_4 \\
p_{17} &= 4u_2u_1^2x_{10}x_1 - 2u_2^3u_1x_{10} - 2u_2^2u_1x_4x_1 + u_2^4x_4 - u_5u_2^3x_1 \\
p_{18} &= 4u_2u_1^2x_{12}x_1 - 2u_2^3u_1x_{12} - 2u_2^2u_1x_5x_1 + u_2^4x_5 - u_6u_2^3x_1 \\
p_{19} &= 4u_3u_1^2x_6x_2 - 2u_3^3u_1x_6 - 2u_3^2u_1x_4x_2 + u_3^4x_4 - u_5u_3^3x_2 \\
p_{20} &= 4u_3u_1^2x_8x_2 - 2u_3^3u_1x_8 - 2u_3^2u_1x_5x_2 + u_3^4x_5 - u_6u_3^3x_2 \\
p_{21} &= 4u_4u_1^2x_{14}x_3 - 2u_4^3u_1x_{14} - 2u_4^2u_1x_4x_3 + u_4^4x_4 - u_5u_4^3x_3 \\
p_{22} &= 4u_4u_1^2x_{16}x_3 - 2u_4^3u_1x_{16} - 2u_4^2u_1x_5x_3 + u_4^4x_5 - u_6u_4^3x_3 \\
p_{23} &= -2u_1x_6x_2 + u_3x_4x_2 + u_5u_3^2 \\
p_{24} &= -2u_3^5u_1x_8x_4x_2 + u_3^7x_8x_4 - u_5u_3^6x_8x_2 + 2u_3^5u_1x_6x_5x_2 - \\
&\quad u_3^7x_6x_5 + u_6u_3^6x_6x_2 \\
p_{25} &= -2u_1x_8x_2 + u_3x_5x_2 + u_6u_3^2 \\
p_{26} &= -2u_1x_{10}x_1 + u_2x_4x_1 + u_5u_2^2 \\
p_{27} &= -2u_2^5u_1x_{12}x_4x_1 + u_2^7x_{12}x_4 - u_5u_2^6x_{12}x_1 + 2u_2^5u_1x_{10}x_5x_1 - \\
&\quad u_2^7x_{10}x_5 + u_6u_2^6x_{10}x_1 \\
p_{28} &= -2u_1x_{12}x_1 + u_2x_5x_1 + u_6u_2^2 \\
p_{29} &= -2u_1x_{14}x_3 + u_4x_4x_3 + u_5u_4^2 \\
p_{30} &= -2u_4^5u_1x_{16}x_4x_3 + u_4^7x_{16}x_4 - u_5u_4^6x_{16}x_3 + 2u_4^5u_1x_{14}x_5x_3 - \\
&\quad u_4^7x_{14}x_5 + u_6u_4^6x_{14}x_3 \\
p_{31} &= -2u_1x_{16}x_3 + u_4x_5x_3 + u_6u_4^2
\end{aligned}
$$

1. Creating S-polynomial from the pair (p_0, p_{17}).

Forming S-pol of p_0 and p_{17}:

$$p_{99} = (2u_2^3u_1 - 8u_2u_1^3)x_{10}x_1 + 4u_2^3u_1^2x_{10} + 2u_2^2u_1x_4x_1^2 - u_2^4x_4x_1 + u_5u_2^3x_1^2$$

S-pol added.

2. Creating S-polynomial from the pair (p_0, p_{18}).
   Forming S-pol of p_0 and p_{18}:

$$p_{100} = (2u_2^3u_1 - 8u_2u_1^3)x_{12}x_1 + 4u_2^3u_1^2x_{12} + 2u_2^2u_1x_5x_1^2 - u_2^4x_5x_1 + u_6u_2^3x_1^2$$

   S-pol added.

3. Creating S-polynomial from the pair (p_0, p_{19}).
   Skipping pair p_0 and p_{19} because gcd of their leading monoms is zero.
4. Creating S-polynomial from the pair (p_0, p_{20}).
   Skipping pair p_0 and p_{20} because gcd of their leading monoms is zero.
5. Creating S-polynomial from the pair (p_0, p_{21}).
   Skipping pair p_0 and p_{21} because gcd of their leading monoms is zero.
6. Creating S-polynomial from the pair (p_0, p_{22}).
   Skipping pair p_0 and p_{22} because gcd of their leading monoms is zero.
7. Creating S-polynomial from the pair (p_0, p_{23}).
   Skipping pair p_0 and p_{23} because gcd of their leading monoms is zero.
8. Creating S-polynomial from the pair (p_0, p_{24}).
   Skipping pair p_0 and p_{24} because gcd of their leading monoms is zero.
9. Creating S-polynomial from the pair (p_0, p_{25}).
   Skipping pair p_0 and p_{25} because gcd of their leading monoms is zero.
10. Creating S-polynomial from the pair (p_0, p_{26}).
    Forming S-pol of p_0 and p_{26}:

$$p_{101} = 4u_1^2x_{10}x_1 - 2u_2^2u_1x_{10} - u_2x_4x_1^2 - u_5u_2^2x_1$$

    Reduced to zero.

11. Creating S-polynomial from the pair (p_0, p_{27}).
    Forming S-pol of p_0 and p_{27}:

$$p_{102} = (-u_2^7 + 4u_2^5u_1^2)x_{12}x_4x_1 - 2u_2^7u_1x_{12}x_4 + u_5u_2^6x_{12}x_1^2 - 2u_2^5u_1x_{10}x_5x_1^2 + u_2^7x_{10}x_5x_1 - u_6u_2^6x_{10}x_1^2$$

    S-pol added.

12. Creating S-polynomial from the pair (p_0, p_{28}).
    Forming S-pol of p_0 and p_{28}:
    $$p_{103} = 4u_1^2x_{12}x_1 - 2u_2^2u_1x_{12} - u_2x_5x_1^2 - u_6u_2^2x_1$$
    Reduced to zero.
13. Creating S-polynomial from the pair (p_0, p_{29}).
    Skipping pair p_0 and p_{29} because gcd of their leading monoms is zero.
14. Creating S-polynomial from the pair (p_0, p_{30}).
    Skipping pair p_0 and p_{30} because gcd of their leading monoms is zero.
15. Creating S-polynomial from the pair (p_0, p_{31}).
    Skipping pair p_0 and p_{31} because gcd of their leading monoms is zero.
16. Creating S-polynomial from the pair (p_1, p_{17}).
    Skipping pair p_1 and p_{17} because gcd of their leading monoms is zero.
17. Creating S-polynomial from the pair (p_1, p_{18}).
    Skipping pair p_1 and p_{18} because gcd of their leading monoms is zero.
18. Creating S-polynomial from the pair (p_1, p_{19}).
    Forming S-pol of p_1 and p_{19}:
    $$p_{104} = (2u_3^3u_1 - 8u_3u_1^3)x_6x_2 + 4u_3^3u_1^2x_6 + 2u_3^2u_1x_4x_2^2 - u_3^4x_4x_2 + u_5u_3^3x_2^2$$
    S-pol added.
19. Creating S-polynomial from the pair (p_1, p_{20}).
    Forming S-pol of p_1 and p_{20}:
    $$p_{105} = (2u_3^3u_1 - 8u_3u_1^3)x_8x_2 + 4u_3^3u_1^2x_8 + 2u_3^2u_1x_5x_2^2 - u_3^4x_5x_2 + u_6u_3^3x_2^2$$
    S-pol added.
20. Creating S-polynomial from the pair (p_1, p_{21}).
    Skipping pair p_1 and p_{21} because gcd of their leading monoms is zero.
21. Creating S-polynomial from the pair (p_1, p_{22}).
    Skipping pair p_1 and p_{22} because gcd of their leading monoms is zero.
22. Creating S-polynomial from the pair (p_1, p_{23}).
    Forming S-pol of p_1 and p_{23}:
    $$p_{106} = 4u_1^2x_6x_2 - 2u_3^2u_1x_6 - u_3x_4x_2^2 - u_5u_3^2x_2$$
    Reduced to zero.

23. Creating S-polynomial from the pair (p_1, p_{24}).
    Forming S-pol of p_1 and p_{24}:
    $$p_{107} = (-u_3^7 + 4u_3^5u_1^2)x_8x_4x_2 - 2u_3^7u_1x_8x_4 + u_5u_3^6x_8x_2^2 - 2u_3^5u_1x_6x_5x_2^2 + u_3^7x_6x_5x_2 - u_6u_3^6x_6x_2^2$$
    S-pol added.
24. Creating S-polynomial from the pair (p_1, p_{25}).
    Forming S-pol of p_1 and p_{25}:
    $$p_{108} = 4u_1^2x_8x_2 - 2u_3^2u_1x_8 - u_3x_5x_2^2 - u_6u_3^2x_2$$
    Reduced to zero.
25. Creating S-polynomial from the pair (p_1, p_{26}).
    Skipping pair p_1 and p_{26} because gcd of their leading monoms is zero.
26. Creating S-polynomial from the pair (p_1, p_{27}).
    Skipping pair p_1 and p_{27} because gcd of their leading monoms is zero.
27. Creating S-polynomial from the pair (p_1, p_{28}).
    Skipping pair p_1 and p_{28} because gcd of their leading monoms is zero.
28. Creating S-polynomial from the pair (p_1, p_{29}).
    Skipping pair p_1 and p_{29} because gcd of their leading monoms is zero.
29. Creating S-polynomial from the pair (p_1, p_{30}).
    Skipping pair p_1 and p_{30} because gcd of their leading monoms is zero.
30. Creating S-polynomial from the pair (p_1, p_{31}).
    Skipping pair p_1 and p_{31} because gcd of their leading monoms is zero.
31. Creating S-polynomial from the pair (p_2, p_{17}).
    Skipping pair p_2 and p_{17} because gcd of their leading monoms is zero.
32. Creating S-polynomial from the pair (p_2, p_{18}).
    Skipping pair p_2 and p_{18} because gcd of their leading monoms is zero.
33. Creating S-polynomial from the pair (p_2, p_{19}).
    Skipping pair p_2 and p_{19} because gcd of their leading monoms is zero.
34. Creating S-polynomial from the pair (p_2, p_{20}).
    Skipping pair p_2 and p_{20} because gcd of their leading monoms is zero.
35. Creating S-polynomial from the pair (p_2, p_{21}).
    Forming S-pol of p_2 and p_{21}:
    $$p_{109} = (2u_4^3u_1 - 8u_4u_1^3)x_{14}x_3 + 4u_4^3u_1^2x_{14} + 2u_4^2u_1x_4x_3^2 - u_4^4x_4x_3 + u_5u_4^3x_3^2$$
    S-pol added.

36. Creating S-polynomial from the pair (p_2, p_{22}).
Forming S-pol of p_2 and p_{22}:

$$p_{110} = (2u_4^3u_1 - 8u_4u_1^3)x_{16}x_3 + 4u_4^3u_1^2x_{16} + 2u_4^2u_1x_5x_3^2 - u_4^4x_5x_3 + u_6u_4^3x_3^2$$

S-pol added.

37. Creating S-polynomial from the pair (p_2, p_{23}).
Skipping pair p_2 and p_{23} because gcd of their leading monoms is zero.

38. Creating S-polynomial from the pair (p_2, p_{24}).
Skipping pair p_2 and p_{24} because gcd of their leading monoms is zero.

39. Creating S-polynomial from the pair (p_2, p_{25}).
Skipping pair p_2 and p_{25} because gcd of their leading monoms is zero.

40. Creating S-polynomial from the pair (p_2, p_{26}).
Skipping pair p_2 and p_{26} because gcd of their leading monoms is zero.

41. Creating S-polynomial from the pair (p_2, p_{27}).
Skipping pair p_2 and p_{27} because gcd of their leading monoms is zero.

42. Creating S-polynomial from the pair (p_2, p_{28}).
Skipping pair p_2 and p_{28} because gcd of their leading monoms is zero.

43. Creating S-polynomial from the pair (p_2, p_{29}).
Forming S-pol of p_2 and p_{29}:

$$p_{111} = 4u_1^2x_{14}x_3 - 2u_4^2u_1x_{14} - u_4x_4x_3^2 - u_5u_4^2x_3$$

Reduced to zero.

44. Creating S-polynomial from the pair (p_2, p_{30}).
Forming S-pol of p_2 and p_{30}:

$$p_{112} = (-u_4^7 + 4u_4^5u_1^2)x_{16}x_4x_3 - 2u_4^7u_1x_{16}x_4 + u_5u_4^6x_{16}x_3^2 - 2u_4^5u_1x_{14}x_5x_3^2 + u_4^7x_{14}x_5x_3 - u_6u_4^6x_{14}x_3^2$$

S-pol added.

45. Creating S-polynomial from the pair (p_2, p_{31}).
Forming S-pol of p_2 and p_{31}:

$$p_{113} = 4u_1^2x_{16}x_3 - 2u_4^2u_1x_{16} - u_4x_5x_3^2 - u_6u_4^2x_3$$

Reduced to zero.

46. Creating S-polynomial from the pair (p_3, p_{17}).
Skipping pair p_3 and p_{17} because gcd of their leading monoms is zero.

47. Creating S-polynomial from the pair (p_3, p_{18}).
    Skipping pair p_3 and p_{18} because gcd of their leading monoms is zero.
48. Creating S-polynomial from the pair (p_3, p_{19}).
    Skipping pair p_3 and p_{19} because gcd of their leading monoms is zero.
49. Creating S-polynomial from the pair (p_3, p_{20}).
    Skipping pair p_3 and p_{20} because gcd of their leading monoms is zero.
50. Creating S-polynomial from the pair (p_3, p_{21}).
    Skipping pair p_3 and p_{21} because gcd of their leading monoms is zero.
51. Creating S-polynomial from the pair (p_3, p_{22}).
    Skipping pair p_3 and p_{22} because gcd of their leading monoms is zero.
52. Creating S-polynomial from the pair (p_3, p_{23}).
    Skipping pair p_3 and p_{23} because gcd of their leading monoms is zero.
53. Creating S-polynomial from the pair (p_3, p_{24}).
    Forming S-pol of p_3 and p_{24}:

$$p_{114} = -u_3^7 x_8 x_4^2 +$$
$$(u_5 u_3^6 + 4u_3^5 u_1^2) x_8 x_4 x_2 - 2u_5^2 u_3^5 u_1 x_8 x_2 -$$
$$2u_3^5 u_1 x_6 x_5 x_4 x_2 + u_3^7 x_6 x_5 x_4 - u_6 u_3^6 x_6 x_4 x_2$$

    S-pol added.
54. Creating S-polynomial from the pair (p_3, p_{25}).
    Skipping pair p_3 and p_{25} because gcd of their leading monoms is zero.
55. Creating S-polynomial from the pair (p_3, p_{26}).
    Skipping pair p_3 and p_{26} because gcd of their leading monoms is zero.
56. Creating S-polynomial from the pair (p_3, p_{27}).
    Forming S-pol of p_3 and p_{27}:

$$p_{115} = -u_2^7 x_{12} x_4^2 +$$
$$(u_5 u_2^6 + 4u_2^5 u_1^2) x_{12} x_4 x_1 - 2u_5^2 u_2^5 u_1 x_{12} x_1 -$$
$$2u_2^5 u_1 x_{10} x_5 x_4 x_1 + u_2^7 x_{10} x_5 x_4 - u_6 u_2^6 x_{10} x_4 x_1$$

    S-pol added.
57. Creating S-polynomial from the pair (p_3, p_{28}).
    Skipping pair p_3 and p_{28} because gcd of their leading monoms is zero.
58. Creating S-polynomial from the pair (p_3, p_{29}).
    Skipping pair p_3 and p_{29} because gcd of their leading monoms is zero.

59. Creating S-polynomial from the pair (p_3, p_{30}).
Forming S-pol of p_3 and p_{30}:

$$p_{116} = -u_4^7 x_{16} x_4^2 +$$
$$(u_5 u_4^6 + 4u_4^5 u_1^2) x_{16} x_4 x_3 - 2u_5^2 u_4^5 u_1 x_{16} x_3 -$$
$$2u_4^5 u_1 x_{14} x_5 x_4 x_3 + u_4^7 x_{14} x_5 x_4 - u_6 u_4^6 x_{14} x_4 x_3$$

S-pol added.

60. Creating S-polynomial from the pair (p_3, p_{31}).
Skipping pair p_3 and p_{31} because gcd of their leading monoms is zero.

61. Creating S-polynomial from the pair (p_4, p_{17}).
Skipping pair p_4 and p_{17} because gcd of their leading monoms is zero.

62. Creating S-polynomial from the pair (p_4, p_{18}).
Skipping pair p_4 and p_{18} because gcd of their leading monoms is zero.

63. Creating S-polynomial from the pair (p_4, p_{19}).
Skipping pair p_4 and p_{19} because gcd of their leading monoms is zero.

64. Creating S-polynomial from the pair (p_4, p_{20}).
Skipping pair p_4 and p_{20} because gcd of their leading monoms is zero.

65. Creating S-polynomial from the pair (p_4, p_{21}).
Skipping pair p_4 and p_{21} because gcd of their leading monoms is zero.

66. Creating S-polynomial from the pair (p_4, p_{22}).
Skipping pair p_4 and p_{22} because gcd of their leading monoms is zero.

67. Creating S-polynomial from the pair (p_4, p_{23}).
Skipping pair p_4 and p_{23} because gcd of their leading monoms is zero.

68. Creating S-polynomial from the pair (p_4, p_{24}).
Skipping pair p_4 and p_{24} because gcd of their leading monoms is zero.

69. Creating S-polynomial from the pair (p_4, p_{25}).
Skipping pair p_4 and p_{25} because gcd of their leading monoms is zero.

70. Creating S-polynomial from the pair (p_4, p_{26}).
Skipping pair p_4 and p_{26} because gcd of their leading monoms is zero.

71. Creating S-polynomial from the pair (p_4, p_{27}).
Skipping pair p_4 and p_{27} because gcd of their leading monoms is zero.

72. Creating S-polynomial from the pair (p_4, p_{28}).
Skipping pair p_4 and p_{28} because gcd of their leading monoms is zero.

73. Creating S-polynomial from the pair (p_4, p_{29}).
Skipping pair p_4 and p_{29} because gcd of their leading monoms is zero.

74. Creating S-polynomial from the pair (p_4, p_{30}).
    Skipping pair p_4 and p_{30} because gcd of their leading monoms is zero.
75. Creating S-polynomial from the pair (p_4, p_{31}).
    Skipping pair p_4 and p_{31} because gcd of their leading monoms is zero.
76. Creating S-polynomial from the pair (p_5, p_{17}).
    Skipping pair p_5 and p_{17} because gcd of their leading monoms is zero.
77. Creating S-polynomial from the pair (p_5, p_{18}).
    Skipping pair p_5 and p_{18} because gcd of their leading monoms is zero.
78. Creating S-polynomial from the pair (p_5, p_{19}).
    Skipping pair p_5 and p_{19} because gcd of their leading monoms is zero.
79. Creating S-polynomial from the pair (p_5, p_{20}).
    Skipping pair p_5 and p_{20} because gcd of their leading monoms is zero.
80. Creating S-polynomial from the pair (p_5, p_{21}).
    Skipping pair p_5 and p_{21} because gcd of their leading monoms is zero.
81. Creating S-polynomial from the pair (p_5, p_{22}).
    Skipping pair p_5 and p_{22} because gcd of their leading monoms is zero.
82. Creating S-polynomial from the pair (p_5, p_{23}).
    Skipping pair p_5 and p_{23} because gcd of their leading monoms is zero.
83. Creating S-polynomial from the pair (p_5, p_{24}).
    Skipping pair p_5 and p_{24} because gcd of their leading monoms is zero.
84. Creating S-polynomial from the pair (p_5, p_{25}).
    Skipping pair p_5 and p_{25} because gcd of their leading monoms is zero.
85. Creating S-polynomial from the pair (p_5, p_{26}).
    Skipping pair p_5 and p_{26} because gcd of their leading monoms is zero.
86. Creating S-polynomial from the pair (p_5, p_{27}).
    Skipping pair p_5 and p_{27} because gcd of their leading monoms is zero.
87. Creating S-polynomial from the pair (p_5, p_{28}).
    Skipping pair p_5 and p_{28} because gcd of their leading monoms is zero.
88. Creating S-polynomial from the pair (p_5, p_{29}).
    Skipping pair p_5 and p_{29} because gcd of their leading monoms is zero.
89. Creating S-polynomial from the pair (p_5, p_{30}).
    Skipping pair p_5 and p_{30} because gcd of their leading monoms is zero.
90. Creating S-polynomial from the pair (p_5, p_{31}).
    Skipping pair p_5 and p_{31} because gcd of their leading monoms is zero.

91. Creating S-polynomial from the pair (p_6, p_{17}).
Skipping pair p_6 and p_{17} because gcd of their leading monoms is zero.

92. Creating S-polynomial from the pair (p_6, p_{18}).
Skipping pair p_6 and p_{18} because gcd of their leading monoms is zero.

93. Creating S-polynomial from the pair (p_6, p_{19}).
Forming S-pol of p_6 and p_{19}:

$$p_{117} = -2u_3^3u_1x_7x_6 - 2u_3^2u_1x_7x_4x_2 + u_3^4x_7x_4 - u_5u_3^3x_7x_2 -$$
$$4u_3^2u_1^2x_6^2 + 4u_3u_1^2x_6x_4x_2 + 4u_5u_3^2u_1^2x_6$$

S-pol added.

94. Creating S-polynomial from the pair (p_6, p_{20}).
Forming S-pol of p_6 and p_{20}:

$$p_{118} = -2u_3^3u_1x_8x_7 - 4u_3^2u_1^2x_8x_6 + 4u_3u_1^2x_8x_4x_2 + 4u_5u_3^2u_1^2x_8 -$$
$$2u_3^2u_1x_7x_5x_2 + u_3^4x_7x_5 - u_6u_3^3x_7x_2$$

S-pol added.

95. Creating S-polynomial from the pair (p_6, p_{21}).
Skipping pair p_6 and p_{21} because gcd of their leading monoms is zero.

96. Creating S-polynomial from the pair (p_6, p_{22}).
Skipping pair p_6 and p_{22} because gcd of their leading monoms is zero.

97. Creating S-polynomial from the pair (p_6, p_{23}).
Forming S-pol of p_6 and p_{23}:

$$p_{119} = u_3x_7x_4x_2 + u_5u_3^2x_7 + 2u_3u_1x_6^2 - 2u_1x_6x_4x_2 - 2u_5u_3u_1x_6$$

S-pol added.

98. Creating S-polynomial from the pair (p_6, p_{24}).
Forming S-pol of p_6 and p_{24}:

$$p_{120} = u_3^7x_8x_7x_4 - u_5u_3^6x_8x_7x_2 + 2u_3^6u_1x_8x_6x_4 - 2u_3^5u_1x_8x_4^2x_2 -$$
$$2u_5u_3^6u_1x_8x_4 + 2u_3^5u_1x_7x_6x_5x_2 - u_3^7x_7x_6x_5 + u_6u_3^6x_7x_6x_2$$

S-pol added.

99. Creating S-polynomial from the pair (p_6, p_{25}).
Forming S-pol of p_6 and p_{25}:

$$p_{121} = 2u_3u_1x_8x_6 - 2u_1x_8x_4x_2 - 2u_5u_3u_1x_8 + u_3x_7x_5x_2 + u_6u_3^2x_7$$

S-pol added.

100. Creating S-polynomial from the pair (p_6, p_{26}).
Skipping pair p_6 and p_{26} because gcd of their leading monoms is zero.

101. Creating S-polynomial from the pair (p_6, p_{27}).
Skipping pair p_6 and p_{27} because gcd of their leading monoms is zero.

102. Creating S-polynomial from the pair (p_6, p_{28}).
Skipping pair p_6 and p_{28} because gcd of their leading monoms is zero.

103. Creating S-polynomial from the pair (p_6, p_{29}).
Skipping pair p_6 and p_{29} because gcd of their leading monoms is zero.

104. Creating S-polynomial from the pair (p_6, p_{30}).
Skipping pair p_6 and p_{30} because gcd of their leading monoms is zero.

105. Creating S-polynomial from the pair (p_6, p_{31}).
Skipping pair p_6 and p_{31} because gcd of their leading monoms is zero.

106. Creating S-polynomial from the pair (p_7, p_{17}).
Skipping pair p_7 and p_{17} because gcd of their leading monoms is zero.

107. Creating S-polynomial from the pair (p_7, p_{18}).
Skipping pair p_7 and p_{18} because gcd of their leading monoms is zero.

108. Creating S-polynomial from the pair (p_7, p_{19}).
Skipping pair p_7 and p_{19} because gcd of their leading monoms is zero.

109. Creating S-polynomial from the pair (p_7, p_{20}).
Skipping pair p_7 and p_{20} because gcd of their leading monoms is zero.

110. Creating S-polynomial from the pair (p_7, p_{21}).
Skipping pair p_7 and p_{21} because gcd of their leading monoms is zero.

111. Creating S-polynomial from the pair (p_7, p_{22}).
Skipping pair p_7 and p_{22} because gcd of their leading monoms is zero.

112. Creating S-polynomial from the pair (p_7, p_{23}).
Skipping pair p_7 and p_{23} because gcd of their leading monoms is zero.

113. Creating S-polynomial from the pair (p_7, p_{24}).
Skipping pair p_7 and p_{24} because gcd of their leading monoms is zero.

114. Creating S-polynomial from the pair (p_7, p_{25}).
Skipping pair p_7 and p_{25} because gcd of their leading monoms is zero.

115. Creating S-polynomial from the pair (p_7, p_{26}).
Skipping pair p_7 and p_{26} because gcd of their leading monoms is zero.

116. Creating S-polynomial from the pair (p_7, p_{27}).
Skipping pair p_7 and p_{27} because gcd of their leading monoms is zero.

117. Creating S-polynomial from the pair (p_7, p_{28}).
Skipping pair p_7 and p_{28} because gcd of their leading monoms is zero.

118. Creating S-polynomial from the pair (p_7, p_{29}).
Skipping pair p_7 and p_{29} because gcd of their leading monoms is zero.

119. Creating S-polynomial from the pair (p_7, p_{30}).
Skipping pair p_7 and p_{30} because gcd of their leading monoms is zero.

120. Creating S-polynomial from the pair (p_7, p_{31}).
Skipping pair p_7 and p_{31} because gcd of their leading monoms is zero.

121. Creating S-polynomial from the pair (p_8, p_{17}).
Skipping pair p_8 and p_{17} because gcd of their leading monoms is zero.

122. Creating S-polynomial from the pair (p_8, p_{18}).
Skipping pair p_8 and p_{18} because gcd of their leading monoms is zero.

123. Creating S-polynomial from the pair (p_8, p_{19}).
Forming S-pol of p_8 and p_{19}:

$$p_{122} = -2u_3^3u_1x_9x_6 - 2u_3^2u_1x_9x_4x_2 + u_3^4x_9x_4 - u_5u_3^3x_9x_2 -$$
$$4u_3^2u_1^2x_8x_6 + 4u_3u_1^2x_6x_5x_2 + 4u_6u_3^2u_1^2x_6$$

S-pol added.

124. Creating S-polynomial from the pair (p_8, p_{20}).
Forming S-pol of p_8 and p_{20}:

$$p_{123} = -2u_3^3u_1x_9x_8 - 2u_3^2u_1x_9x_5x_2 + u_3^4x_9x_5 - u_6u_3^3x_9x_2 -$$
$$4u_3^2u_1^2x_8^2 + 4u_3u_1^2x_8x_5x_2 + 4u_6u_3^2u_1^2x_8$$

S-pol added.

125. Creating S-polynomial from the pair (p_8, p_{21}).
Skipping pair p_8 and p_{21} because gcd of their leading monoms is zero.

126. Creating S-polynomial from the pair (p_8, p_{22}).
Skipping pair p_8 and p_{22} because gcd of their leading monoms is zero.

127. Creating S-polynomial from the pair (p_8, p_{23}).
Forming S-pol of p_8 and p_{23}:

$$p_{124} = u_3x_9x_4x_2 + u_5u_3^2x_9 + 2u_3u_1x_8x_6 - 2u_1x_6x_5x_2 - 2u_6u_3u_1x_6$$

S-pol added.

128. Creating S-polynomial from the pair (p_8, p_{24}).
Forming S-pol of p_8 and p_{24}:

$$p_{125} = u_3^7 x_9 x_8 x_4 - u_5 u_3^6 x_9 x_8 x_2 + 2u_3^5 u_1 x_9 x_6 x_5 x_2 - u_3^7 x_9 x_6 x_5 + u_6 u_3^6 x_9 x_6 x_2 + 2u_3^6 u_1 x_8^2 x_4 - 2u_3^5 u_1 x_8 x_5 x_4 x_2 - 2u_6 u_3^6 u_1 x_8 x_4$$

S-pol added.

129. Creating S-polynomial from the pair (p_8, p_{25}).
Forming S-pol of p_8 and p_{25}:

$$p_{126} = u_3 x_9 x_5 x_2 + u_6 u_3^2 x_9 + 2u_3 u_1 x_8^2 - 2u_1 x_8 x_5 x_2 - 2u_6 u_3 u_1 x_8$$

S-pol added.

130. Creating S-polynomial from the pair (p_8, p_{26}).
Skipping pair p_8 and p_{26} because gcd of their leading monoms is zero.

131. Creating S-polynomial from the pair (p_8, p_{27}).
Skipping pair p_8 and p_{27} because gcd of their leading monoms is zero.

132. Creating S-polynomial from the pair (p_8, p_{28}).
Skipping pair p_8 and p_{28} because gcd of their leading monoms is zero.

133. Creating S-polynomial from the pair (p_8, p_{29}).
Skipping pair p_8 and p_{29} because gcd of their leading monoms is zero.

134. Creating S-polynomial from the pair (p_8, p_{30}).
Skipping pair p_8 and p_{30} because gcd of their leading monoms is zero.

135. Creating S-polynomial from the pair (p_8, p_{31}).
Skipping pair p_8 and p_{31} because gcd of their leading monoms is zero.

136. Creating S-polynomial from the pair (p_9, p_{17}).
Skipping pair p_9 and p_{17} because gcd of their leading monoms is zero.

137. Creating S-polynomial from the pair (p_9, p_{18}).
Skipping pair p_9 and p_{18} because gcd of their leading monoms is zero.

138. Creating S-polynomial from the pair (p_9, p_{19}).
Skipping pair p_9 and p_{19} because gcd of their leading monoms is zero.

139. Creating S-polynomial from the pair (p_9, p_{20}).
Skipping pair p_9 and p_{20} because gcd of their leading monoms is zero.

140. Creating S-polynomial from the pair (p_9, p_{21}).
Skipping pair p_9 and p_{21} because gcd of their leading monoms is zero.

141. Creating S-polynomial from the pair (p_9, p_{22}).
Skipping pair p_9 and p_{22} because gcd of their leading monoms is zero.

142. Creating S-polynomial from the pair (p_9, p_{23}).
Skipping pair p_9 and p_{23} because gcd of their leading monoms is zero.

143. Creating S-polynomial from the pair (p_9, p_{24}).
Skipping pair p_9 and p_{24} because gcd of their leading monoms is zero.

144. Creating S-polynomial from the pair (p_9, p_{25}).
Skipping pair p_9 and p_{25} because gcd of their leading monoms is zero.

145. Creating S-polynomial from the pair (p_9, p_{26}).
Skipping pair p_9 and p_{26} because gcd of their leading monoms is zero.

146. Creating S-polynomial from the pair (p_9, p_{27}).
Skipping pair p_9 and p_{27} because gcd of their leading monoms is zero.

147. Creating S-polynomial from the pair (p_9, p_{28}).
Skipping pair p_9 and p_{28} because gcd of their leading monoms is zero.

148. Creating S-polynomial from the pair (p_9, p_{29}).
Skipping pair p_9 and p_{29} because gcd of their leading monoms is zero.

149. Creating S-polynomial from the pair (p_9, p_{30}).
Skipping pair p_9 and p_{30} because gcd of their leading monoms is zero.

150. Creating S-polynomial from the pair (p_9, p_{31}).
Skipping pair p_9 and p_{31} because gcd of their leading monoms is zero.

151. Creating S-polynomial from the pair (p_{10}, p_{17}).
Forming S-pol of p_{10} and p_{17}:

$$p_{127} = -2u_2^3u_1x_{11}x_{10} - 2u_2^2u_1x_{11}x_4x_1 + u_2^4x_{11}x_4 - u_5u_2^3x_{11}x_1 -$$
$$4u_2^2u_1^2x_{10}^2 + 4u_2u_1^2x_{10}x_4x_1 + 4u_5u_2^2u_1^2x_{10}$$

S-pol added.

152. Creating S-polynomial from the pair (p_{10}, p_{18}).
Forming S-pol of p_{10} and p_{18}:

$$p_{128} = -2u_2^3u_1x_{12}x_{11} - 4u_2^2u_1^2x_{12}x_{10} + 4u_2u_1^2x_{12}x_4x_1 +$$
$$4u_5u_2^2u_1^2x_{12} - 2u_2^2u_1x_{11}x_5x_1 + u_2^4x_{11}x_5 - u_6u_2^3x_{11}x_1$$

S-pol added.

153. Creating S-polynomial from the pair (p_{10}, p_{19}).
Skipping pair p_{10} and p_{19} because gcd of their leading monoms is zero.

154. Creating S-polynomial from the pair (p_{10}, p_{20}).
Skipping pair p_{10} and p_{20} because gcd of their leading monoms is zero.

155. Creating S-polynomial from the pair (p_{10}, p_{21}).
Skipping pair p_{10} and p_{21} because gcd of their leading monoms is zero.

156. Creating S-polynomial from the pair (p_{10}, p_{22}).
Skipping pair p_{10} and p_{22} because gcd of their leading monoms is zero.

157. Creating S-polynomial from the pair (p_{10}, p_{23}).
Skipping pair p_{10} and p_{23} because gcd of their leading monoms is zero.

158. Creating S-polynomial from the pair (p_{10}, p_{24}).
Skipping pair p_{10} and p_{24} because gcd of their leading monoms is zero.

159. Creating S-polynomial from the pair (p_{10}, p_{25}).
Skipping pair p_{10} and p_{25} because gcd of their leading monoms is zero.

160. Creating S-polynomial from the pair (p_{10}, p_{26}).
Forming S-pol of p_{10} and p_{26}:

$$p_{129} = u_2x_{11}x_4x_1 + u_5u_2^2x_{11} + 2u_2u_1x_{10}^2 - 2u_1x_{10}x_4x_1 - 2u_5u_2u_1x_{10}$$

S-pol added.

161. Creating S-polynomial from the pair (p_{10}, p_{27}).
Forming S-pol of p_{10} and p_{27}:

$$p_{130} = u_2^7x_{12}x_{11}x_4 - u_5u_2^6x_{12}x_{11}x_1 + 2u_2^6u_1x_{12}x_{10}x_4 -$$
$$2u_2^5u_1x_{12}x_4^2x_1 - 2u_5u_2^6u_1x_{12}x_4 + 2u_2^5u_1x_{11}x_{10}x_5x_1 -$$
$$u_2^7x_{11}x_{10}x_5 + u_6u_2^6x_{11}x_{10}x_1$$

S-pol added.

162. Creating S-polynomial from the pair (p_{10}, p_{28}).
Forming S-pol of p_{10} and p_{28}:

$$p_{131} = 2u_2u_1x_{12}x_{10} - 2u_1x_{12}x_4x_1 - 2u_5u_2u_1x_{12} + u_2x_{11}x_5x_1 + u_6u_2^2x_{11}$$

S-pol added.

163. Creating S-polynomial from the pair (p_{10}, p_{29}).
Skipping pair p_{10} and p_{29} because gcd of their leading monoms is zero.

164. Creating S-polynomial from the pair (p_{10}, p_{30}).
Skipping pair p_{10} and p_{30} because gcd of their leading monoms is zero.

165. Creating S-polynomial from the pair (p_{10}, p_{31}).
Skipping pair p_{10} and p_{31} because gcd of their leading monoms is zero.

166. Creating S-polynomial from the pair (p_{11}, p_{17}).
Skipping pair p_{11} and p_{17} because gcd of their leading monoms is zero.

167. Creating S-polynomial from the pair (p_{11}, p_{18}).
Skipping pair p_{11} and p_{18} because gcd of their leading monoms is zero.

168. Creating S-polynomial from the pair (p_{11}, p_{19}).
Skipping pair p_{11} and p_{19} because gcd of their leading monoms is zero.

169. Creating S-polynomial from the pair (p_{11}, p_{20}).
Skipping pair p_{11} and p_{20} because gcd of their leading monoms is zero.

170. Creating S-polynomial from the pair (p_{11}, p_{21}).
Skipping pair p_{11} and p_{21} because gcd of their leading monoms is zero.

171. Creating S-polynomial from the pair (p_{11}, p_{22}).
Skipping pair p_{11} and p_{22} because gcd of their leading monoms is zero.

172. Creating S-polynomial from the pair (p_{11}, p_{23}).
Skipping pair p_{11} and p_{23} because gcd of their leading monoms is zero.

173. Creating S-polynomial from the pair (p_{11}, p_{24}).
Skipping pair p_{11} and p_{24} because gcd of their leading monoms is zero.

174. Creating S-polynomial from the pair (p_{11}, p_{25}).
Skipping pair p_{11} and p_{25} because gcd of their leading monoms is zero.

175. Creating S-polynomial from the pair (p_{11}, p_{26}).
Skipping pair p_{11} and p_{26} because gcd of their leading monoms is zero.

176. Creating S-polynomial from the pair (p_{11}, p_{27}).
Skipping pair p_{11} and p_{27} because gcd of their leading monoms is zero.

177. Creating S-polynomial from the pair (p_{11}, p_{28}).
Skipping pair p_{11} and p_{28} because gcd of their leading monoms is zero.

178. Creating S-polynomial from the pair (p_{11}, p_{29}).
Skipping pair p_{11} and p_{29} because gcd of their leading monoms is zero.

179. Creating S-polynomial from the pair (p_{11}, p_{30}).
Skipping pair p_{11} and p_{30} because gcd of their leading monoms is zero.

180. Creating S-polynomial from the pair (p_{11}, p_{31}).
Skipping pair p_{11} and p_{31} because gcd of their leading monoms is zero.

181. Creating S-polynomial from the pair (p_{12}, p_{17}).
Forming S-pol of p_{12} and p_{17}:

$$p_{132} = -2u_2^3u_1x_{13}x_{10} - 2u_2^2u_1x_{13}x_4x_1 + u_2^4x_{13}x_4 - u_5u_2^3x_{13}x_1 - 4u_2^2u_1^2x_{12}x_{10} + 4u_2u_1^2x_{10}x_5x_1 + 4u_6u_2^2u_1^2x_{10}$$

S-pol added.

182. Creating S-polynomial from the pair (p_{12}, p_{18}).
Forming S-pol of p_{12} and p_{18}:

$$p_{133} = -2u_2^3u_1x_{13}x_{12} - 2u_2^2u_1x_{13}x_5x_1 + u_2^4x_{13}x_5 - u_6u_2^3x_{13}x_1 -$$
$$4u_2^2u_1^2x_{12}^2 + 4u_2u_1^2x_{12}x_5x_1 + 4u_6u_2^2u_1^2x_{12}$$

S-pol added.

183. Creating S-polynomial from the pair (p_{12}, p_{19}).
Skipping pair p_{12} and p_{19} because gcd of their leading monoms is zero.

184. Creating S-polynomial from the pair (p_{12}, p_{20}).
Skipping pair p_{12} and p_{20} because gcd of their leading monoms is zero.

185. Creating S-polynomial from the pair (p_{12}, p_{21}).
Skipping pair p_{12} and p_{21} because gcd of their leading monoms is zero.

186. Creating S-polynomial from the pair (p_{12}, p_{22}).
Skipping pair p_{12} and p_{22} because gcd of their leading monoms is zero.

187. Creating S-polynomial from the pair (p_{12}, p_{23}).
Skipping pair p_{12} and p_{23} because gcd of their leading monoms is zero.

188. Creating S-polynomial from the pair (p_{12}, p_{24}).
Skipping pair p_{12} and p_{24} because gcd of their leading monoms is zero.

189. Creating S-polynomial from the pair (p_{12}, p_{25}).
Skipping pair p_{12} and p_{25} because gcd of their leading monoms is zero.

190. Creating S-polynomial from the pair (p_{12}, p_{26}).
Forming S-pol of p_{12} and p_{26}:

$$p_{134} = u_2x_{13}x_4x_1 + u_5u_2^2x_{13} + 2u_2u_1x_{12}x_{10} - 2u_1x_{10}x_5x_1 - 2u_6u_2u_1x_{10}$$

S-pol added.

191. Creating S-polynomial from the pair (p_{12}, p_{27}).
Forming S-pol of p_{12} and p_{27}:

$$p_{135} = u_2^7x_{13}x_{12}x_4 - u_5u_2^6x_{13}x_{12}x_1 + 2u_2^5u_1x_{13}x_{10}x_5x_1 -$$
$$u_2^7x_{13}x_{10}x_5 + u_6u_2^6x_{13}x_{10}x_1 + 2u_2^6u_1x_{12}^2x_4 -$$
$$2u_2^5u_1x_{12}x_5x_4x_1 - 2u_6u_2^6u_1x_{12}x_4$$

S-pol added.

192. Creating S-polynomial from the pair (p_{12}, p_{28}).
Forming S-pol of p_{12} and p_{28}:

$$p_{136} = u_2x_{13}x_5x_1 + u_6u_2^2x_{13} + 2u_2u_1x_{12}^2 - 2u_1x_{12}x_5x_1 - 2u_6u_2u_1x_{12}$$

S-pol added.

193. Creating S-polynomial from the pair (p_{12}, p_{29}).
Skipping pair p_{12} and p_{29} because gcd of their leading monoms is zero.

194. Creating S-polynomial from the pair (p_{12}, p_{30}).
Skipping pair p_{12} and p_{30} because gcd of their leading monoms is zero.

195. Creating S-polynomial from the pair (p_{12}, p_{31}).
Skipping pair p_{12} and p_{31} because gcd of their leading monoms is zero.

196. Creating S-polynomial from the pair (p_{13}, p_{17}).
Skipping pair p_{13} and p_{17} because gcd of their leading monoms is zero.

197. Creating S-polynomial from the pair (p_{13}, p_{18}).
Skipping pair p_{13} and p_{18} because gcd of their leading monoms is zero.

198. Creating S-polynomial from the pair (p_{13}, p_{19}).
Skipping pair p_{13} and p_{19} because gcd of their leading monoms is zero.

199. Creating S-polynomial from the pair (p_{13}, p_{20}).
Skipping pair p_{13} and p_{20} because gcd of their leading monoms is zero.

200. Creating S-polynomial from the pair (p_{13}, p_{21}).
Skipping pair p_{13} and p_{21} because gcd of their leading monoms is zero.

201. Creating S-polynomial from the pair (p_{13}, p_{22}).
Skipping pair p_{13} and p_{22} because gcd of their leading monoms is zero.

202. Creating S-polynomial from the pair (p_{13}, p_{23}).
Skipping pair p_{13} and p_{23} because gcd of their leading monoms is zero.

203. Creating S-polynomial from the pair (p_{13}, p_{24}).
Skipping pair p_{13} and p_{24} because gcd of their leading monoms is zero.

204. Creating S-polynomial from the pair (p_{13}, p_{25}).
Skipping pair p_{13} and p_{25} because gcd of their leading monoms is zero.

205. Creating S-polynomial from the pair (p_{13}, p_{26}).
Skipping pair p_{13} and p_{26} because gcd of their leading monoms is zero.

206. Creating S-polynomial from the pair (p_{13}, p_{27}).
Skipping pair p_{13} and p_{27} because gcd of their leading monoms is zero.

207. Creating S-polynomial from the pair (p_{13}, p_{28}).
Skipping pair p_{13} and p_{28} because gcd of their leading monoms is zero.

208. Creating S-polynomial from the pair (p_{13}, p_{29}).
Skipping pair p_{13} and p_{29} because gcd of their leading monoms is zero.

209. Creating S-polynomial from the pair (p_{13}, p_{30}).
Skipping pair p_{13} and p_{30} because gcd of their leading monoms is zero.

210. Creating S-polynomial from the pair (p_{13}, p_{31}).
Skipping pair p_{13} and p_{31} because gcd of their leading monoms is zero.

211. Creating S-polynomial from the pair (p_{14}, p_{17}).
Skipping pair p_{14} and p_{17} because gcd of their leading monoms is zero.

212. Creating S-polynomial from the pair (p_{14}, p_{18}).
Skipping pair p_{14} and p_{18} because gcd of their leading monoms is zero.

213. Creating S-polynomial from the pair (p_{14}, p_{19}).
Skipping pair p_{14} and p_{19} because gcd of their leading monoms is zero.

214. Creating S-polynomial from the pair (p_{14}, p_{20}).
Skipping pair p_{14} and p_{20} because gcd of their leading monoms is zero.

215. Creating S-polynomial from the pair (p_{14}, p_{21}).
Forming S-pol of p_{14} and p_{21}:

$$p_{137} = -2u_4^3u_1x_{15}x_{14} - 2u_4^2u_1x_{15}x_4x_3 + u_4^4x_{15}x_4 - u_5u_4^3x_{15}x_3 -$$
$$4u_4^2u_1^2x_{14}^2 + 4u_4u_1^2x_{14}x_4x_3 + 4u_5u_4^2u_1^2x_{14}$$

S-pol added.

216. Creating S-polynomial from the pair (p_{14}, p_{22}).
Forming S-pol of p_{14} and p_{22}:

$$p_{138} = -2u_4^3u_1x_{16}x_{15} - 4u_4^2u_1^2x_{16}x_{14} + 4u_4u_1^2x_{16}x_4x_3 +$$
$$4u_5u_4^2u_1^2x_{16} - 2u_4^2u_1x_{15}x_5x_3 + u_4^4x_{15}x_5 - u_6u_4^3x_{15}x_3$$

S-pol added.

217. Creating S-polynomial from the pair (p_{14}, p_{23}).
Skipping pair p_{14} and p_{23} because gcd of their leading monoms is zero.

218. Creating S-polynomial from the pair (p_{14}, p_{24}).
Skipping pair p_{14} and p_{24} because gcd of their leading monoms is zero.

219. Creating S-polynomial from the pair (p_{14}, p_{25}).
Skipping pair p_{14} and p_{25} because gcd of their leading monoms is zero.

220. Creating S-polynomial from the pair (p_{14}, p_{26}).
Skipping pair p_{14} and p_{26} because gcd of their leading monoms is zero.

221. Creating S-polynomial from the pair (p_{14}, p_{27}).
Skipping pair p_{14} and p_{27} because gcd of their leading monoms is zero.

222. Creating S-polynomial from the pair (p_{14}, p_{28}).
Skipping pair p_{14} and p_{28} because gcd of their leading monoms is zero.

223. Creating S-polynomial from the pair (p_{14}, p_{29}).
Forming S-pol of p_{14} and p_{29}:

$$p_{139} = u_4x_{15}x_4x_3 + u_5u_4^2x_{15} + 2u_4u_1x_{14}^2 - 2u_1x_{14}x_4x_3 - 2u_5u_4u_1x_{14}$$

S-pol added.

224. Creating S-polynomial from the pair (p_{14}, p_{30}).
Forming S-pol of p_{14} and p_{30}:

$$p_{140} = u_4^7x_{16}x_{15}x_4 - u_5u_4^6x_{16}x_{15}x_3 + 2u_4^6u_1x_{16}x_{14}x_4 -$$
$$2u_4^5u_1x_{16}x_4^2x_3 - 2u_5u_4^6u_1x_{16}x_4 + 2u_4^5u_1x_{15}x_{14}x_5x_3 -$$
$$u_4^7x_{15}x_{14}x_5 + u_6u_4^6x_{15}x_{14}x_3$$

S-pol added.

225. Creating S-polynomial from the pair (p_{14}, p_{31}).
Forming S-pol of p_{14} and p_{31}:

$$p_{141} = 2u_4u_1x_{16}x_{14} - 2u_1x_{16}x_4x_3 - 2u_5u_4u_1x_{16} + u_4x_{15}x_5x_3 + u_6u_4^2x_{15}$$

S-pol added.

226. Creating S-polynomial from the pair (p_{15}, p_{17}).
Skipping pair p_{15} and p_{17} because gcd of their leading monoms is zero.

227. Creating S-polynomial from the pair (p_{15}, p_{18}).
Skipping pair p_{15} and p_{18} because gcd of their leading monoms is zero.

228. Creating S-polynomial from the pair (p_{15}, p_{19}).
Skipping pair p_{15} and p_{19} because gcd of their leading monoms is zero.

229. Creating S-polynomial from the pair (p_{15}, p_{20}).
Skipping pair p_{15} and p_{20} because gcd of their leading monoms is zero.

230. Creating S-polynomial from the pair (p_{15}, p_{21}).
Skipping pair p_{15} and p_{21} because gcd of their leading monoms is zero.

231. Creating S-polynomial from the pair (p_{15}, p_{22}).
Skipping pair p_{15} and p_{22} because gcd of their leading monoms is zero.

232. Creating S-polynomial from the pair (p_{15}, p_{23}).
Skipping pair p_{15} and p_{23} because gcd of their leading monoms is zero.

233. Creating S-polynomial from the pair (p_{15}, p_{24}).
Skipping pair p_{15} and p_{24} because gcd of their leading monoms is zero.

234. Creating S-polynomial from the pair (p_{15}, p_{25}).
Skipping pair p_{15} and p_{25} because gcd of their leading monoms is zero.

235. Creating S-polynomial from the pair (p_{15}, p_{26}).
Skipping pair p_{15} and p_{26} because gcd of their leading monoms is zero.

236. Creating S-polynomial from the pair (p_{15}, p_{27}).
Skipping pair p_{15} and p_{27} because gcd of their leading monoms is zero.

237. Creating S-polynomial from the pair (p_{15}, p_{28}).
Skipping pair p_{15} and p_{28} because gcd of their leading monoms is zero.

238. Creating S-polynomial from the pair (p_{15}, p_{29}).
Skipping pair p_{15} and p_{29} because gcd of their leading monoms is zero.

239. Creating S-polynomial from the pair (p_{15}, p_{30}).
Skipping pair p_{15} and p_{30} because gcd of their leading monoms is zero.

240. Creating S-polynomial from the pair (p_{15}, p_{31}).
Skipping pair p_{15} and p_{31} because gcd of their leading monoms is zero.

241. Creating S-polynomial from the pair (p_{16}, p_{17}).
Skipping pair p_{16} and p_{17} because gcd of their leading monoms is zero.

242. Creating S-polynomial from the pair (p_{16}, p_{18}).
Skipping pair p_{16} and p_{18} because gcd of their leading monoms is zero.

243. Creating S-polynomial from the pair (p_{16}, p_{19}).
Skipping pair p_{16} and p_{19} because gcd of their leading monoms is zero.

244. Creating S-polynomial from the pair (p_{16}, p_{20}).
Skipping pair p_{16} and p_{20} because gcd of their leading monoms is zero.

245. Creating S-polynomial from the pair (p_{16}, p_{21}).
Forming S-pol of p_{16} and p_{21}:

$$p_{142} = -2u_4^3u_1x_{17}x_{14} - 2u_4^2u_1x_{17}x_4x_3 + u_4^4x_{17}x_4 - u_5u_4^3x_{17}x_3 -$$
$$4u_4^2u_1^2x_{16}x_{14} + 4u_4u_1^2x_{14}x_5x_3 + 4u_6u_4^2u_1^2x_{14}$$

S-pol added.

246. Creating S-polynomial from the pair (p_{16}, p_{22}).
Forming S-pol of p_{16} and p_{22}:

$$p_{143} = -2u_4^3u_1x_{17}x_{16} - 2u_4^2u_1x_{17}x_5x_3 + u_4^4x_{17}x_5 - u_6u_4^3x_{17}x_3 -$$
$$4u_4^2u_1^2x_{16}^2 + 4u_4u_1^2x_{16}x_5x_3 + 4u_6u_4^2u_1^2x_{16}$$

S-pol added.

247. Creating S-polynomial from the pair (p_{16}, p_{23}).
Skipping pair p_{16} and p_{23} because gcd of their leading monoms is zero.

248. Creating S-polynomial from the pair (p_{16}, p_{24}).
Skipping pair p_{16} and p_{24} because gcd of their leading monoms is zero.

249. Creating S-polynomial from the pair (p_{16}, p_{25}).
Skipping pair p_{16} and p_{25} because gcd of their leading monoms is zero.

250. Creating S-polynomial from the pair (p_{16}, p_{26}).
Skipping pair p_{16} and p_{26} because gcd of their leading monoms is zero.

251. Creating S-polynomial from the pair (p_{16}, p_{27}).
Skipping pair p_{16} and p_{27} because gcd of their leading monoms is zero.

252. Creating S-polynomial from the pair (p_{16}, p_{28}).
Skipping pair p_{16} and p_{28} because gcd of their leading monoms is zero.

253. Creating S-polynomial from the pair (p_{16}, p_{29}).
Forming S-pol of p_{16} and p_{29}:

$$p_{144} = u_4x_{17}x_4x_3 + u_5u_4^2x_{17} + 2u_4u_1x_{16}x_{14} - 2u_1x_{14}x_5x_3 - 2u_6u_4u_1x_{14}$$

S-pol added.

254. Creating S-polynomial from the pair (p_{16}, p_{30}).
Forming S-pol of p_{16} and p_{30}:

$$p_{145} = u_4^7x_{17}x_{16}x_4 - u_5u_4^6x_{17}x_{16}x_3 + 2u_4^5u_1x_{17}x_{14}x_5x_3 -$$
$$u_4^7x_{17}x_{14}x_5 + u_6u_4^6x_{17}x_{14}x_3 + 2u_4^6u_1x_{16}^2x_4 -$$
$$2u_4^5u_1x_{16}x_5x_4x_3 - 2u_6u_4^6u_1x_{16}x_4$$

S-pol added.

255. Creating S-polynomial from the pair (p_{16}, p_{31}).
Forming S-pol of p_{16} and p_{31}:

$$p_{146} = u_4x_{17}x_5x_3 + u_6u_4^2x_{17} + 2u_4u_1x_{16}^2 - 2u_1x_{16}x_5x_3 - 2u_6u_4u_1x_{16}$$

S-pol added.

256. Creating S-polynomial from the pair (p_{17}, p_{18}).
Forming S-pol of p_{17} and p_{18}:

$$p_{147} = -8u_2^3u_1^3x_{12}x_4x_1 + 4u_2^5u_1^2x_{12}x_4 - 4u_5u_2^4u_1^2x_{12}x_1 +$$
$$8u_2^3u_1^3x_{10}x_5x_1 - 4u_2^5u_1^2x_{10}x_5 + 4u_6u_2^4u_1^2x_{10}x_1$$

S-pol added.

257. Creating S-polynomial from the pair (p_{17}, p_{19}).
Skipping pair p_{17} and p_{19} because gcd of their leading monoms is zero.

258. Creating S-polynomial from the pair (p_{17}, p_{20}).
Skipping pair p_{17} and p_{20} because gcd of their leading monoms is zero.

259. Creating S-polynomial from the pair (p_{17}, p_{21}).
Skipping pair p_{17} and p_{21} because gcd of their leading monoms is zero.

260. Creating S-polynomial from the pair (p_{17}, p_{22}).
Skipping pair p_{17} and p_{22} because gcd of their leading monoms is zero.

261. Creating S-polynomial from the pair (p_{17}, p_{23}).
Skipping pair p_{17} and p_{23} because gcd of their leading monoms is zero.

262. Creating S-polynomial from the pair (p_{17}, p_{24}).
Skipping pair p_{17} and p_{24} because gcd of their leading monoms is zero.

263. Creating S-polynomial from the pair (p_{17}, p_{25}).
Skipping pair p_{17} and p_{25} because gcd of their leading monoms is zero.

264. Creating S-polynomial from the pair (p_{17}, p_{26}).
Forming S-pol of p_{17} and p_{26}:

$$p_{148} = 4u_2^3u_1^2x_{10}x_1 - 2u_2^4u_1x_4x_1 + 2u_5u_2^3u_1x_1^2 - 4u_5u_2^3u_1^2x_1$$

S-pol added.

265. Creating S-polynomial from the pair (p_{17}, p_{27}).
Forming S-pol of p_{17} and p_{27}:

$$p_{149} = 4u_5u_2^7u_1^2x_{12}x_{10}x_1 + 4u_2^7u_1^2x_{12}x_4^2x_1 - 2u_2^9u_1x_{12}x_4^2 + \\ 2u_5u_2^8u_1x_{12}x_4x_1 - 8u_2^6u_1^3x_{10}^2x_5x_1 + 4u_2^8u_1^2x_{10}^2x_5 - \\ 4u_6u_2^7u_1^2x_{10}^2x_1$$

S-pol added.

266. Creating S-polynomial from the pair (p_{17}, p_{28}).
Forming S-pol of p_{17} and p_{28}:

$$p_{150} = 4u_2^3u_1^2x_{12}x_{10} + 4u_2^2u_1^2x_{12}x_4x_1 - 2u_2^4u_1x_{12}x_4 + \\ 2u_5u_2^3u_1x_{12}x_1 - 4u_2^2u_1^2x_{10}x_5x_1 - 4u_6u_2^3u_1^2x_{10}$$

S-pol added.

267. Creating S-polynomial from the pair (p_{17}, p_{29}).
Skipping pair p_{17} and p_{29} because gcd of their leading monoms is zero.

268. Creating S-polynomial from the pair (p_{17}, p_{30}).
Skipping pair p_{17} and p_{30} because gcd of their leading monoms is zero.

269. Creating S-polynomial from the pair (p_{17}, p_{31}).
Skipping pair p_{17} and p_{31} because gcd of their leading monoms is zero.

270. Creating S-polynomial from the pair (p_{18}, p_{19}).
Skipping pair p_{18} and p_{19} because gcd of their leading monoms is zero.

271. Creating S-polynomial from the pair (p_{18}, p_{20}).
Skipping pair p_{18} and p_{20} because gcd of their leading monoms is zero.

272. Creating S-polynomial from the pair (p_{18}, p_{21}).
Skipping pair p_{18} and p_{21} because gcd of their leading monoms is zero.

273. Creating S-polynomial from the pair (p_{18}, p_{22}).
Skipping pair p_{18} and p_{22} because gcd of their leading monoms is zero.

274. Creating S-polynomial from the pair (p_{18}, p_{23}).
Skipping pair p_{18} and p_{23} because gcd of their leading monoms is zero.

275. Creating S-polynomial from the pair (p_{18}, p_{24}).
Skipping pair p_{18} and p_{24} because gcd of their leading monoms is zero.

276. Creating S-polynomial from the pair (p_{18}, p_{25}).
Skipping pair p_{18} and p_{25} because gcd of their leading monoms is zero.

277. Creating S-polynomial from the pair (p_{18}, p_{26}).
Forming S-pol of p_{18} and p_{26}:

$$p_{151} = 4u_2^3u_1^2x_{12}x_{10} - 4u_2^2u_1^2x_{12}x_4x_1 - 4u_5u_2^3u_1^2x_{12} +$$
$$4u_2^2u_1^2x_{10}x_5x_1 - 2u_2^4u_1x_{10}x_5 + 2u_6u_2^3u_1x_{10}x_1$$

S-pol added.

278. Creating S-polynomial from the pair (p_{18}, p_{27}).
Forming S-pol of p_{18} and p_{27}:

$$p_{152} = -4u_2^8u_1^2x_{12}x_4x_1 + 4u_2^8u_1^2x_{12}x_4 + 4u_5u_2^7u_1^2x_{12}x_1^2 -$$
$$8u_2^6u_1^3x_{10}x_5x_1^2 + 4u_2^8u_1^2x_{10}x_5x_1 - 4u_6u_2^7u_1^2x_{10}x_1^2 +$$
$$4u_2^7u_1^2x_5x_4x_1 - 2u_2^9u_1x_5x_4 + 2u_6u_2^8u_1x_4x_1$$

S-pol added.

279. Creating S-polynomial from the pair (p_{18}, p_{28}).
Forming S-pol of p_{18} and p_{28}:

$$p_{153} = 4u_2^3u_1^2x_{12}x_1 - 2u_2^4u_1x_5x_1 + 2u_6u_2^3u_1x_1^2 - 4u_6u_2^3u_1^2x_1$$

S-pol added.

280. Creating S-polynomial from the pair (p_{18}, p_{29}).
Skipping pair p_{18} and p_{29} because gcd of their leading monoms is zero.

281. Creating S-polynomial from the pair (p_{18}, p_{30}).
Skipping pair p_{18} and p_{30} because gcd of their leading monoms is zero.

282. Creating S-polynomial from the pair (p_{18}, p_{31}).
Skipping pair p_{18} and p_{31} because gcd of their leading monoms is zero.

283. Creating S-polynomial from the pair (p_{19}, p_{20}).
Forming S-pol of p_{19} and p_{20}:

$$p_{154} = -8u_3^3u_1^3x_8x_4x_2 + 4u_3^5u_1^2x_8x_4 - 4u_5u_3^4u_1^2x_8x_2+$$
$$8u_3^3u_1^3x_6x_5x_2 - 4u_3^5u_1^2x_6x_5 + 4u_6u_3^4u_1^2x_6x_2$$

S-pol added.

284. Creating S-polynomial from the pair (p_{19}, p_{21}).
Skipping pair p_{19} and p_{21} because gcd of their leading monoms is zero.

285. Creating S-polynomial from the pair (p_{19}, p_{22}).
Skipping pair p_{19} and p_{22} because gcd of their leading monoms is zero.

286. Creating S-polynomial from the pair (p_{19}, p_{23}).
Forming S-pol of p_{19} and p_{23}:

$$p_{155} = 4u_3^3u_1^2x_6x_2 - 2u_3^4u_1x_4x_2 + 2u_5u_3^3u_1x_2^2 - 4u_5u_3^3u_1^2x_2$$

S-pol added.

287. Creating S-polynomial from the pair (p_{19}, p_{24}).
Forming S-pol of p_{19} and p_{24}:

$$p_{156} = 4u_5u_3^7u_1^2x_8x_6x_2 + 4u_3^7u_1^2x_8x_4^2x_2 - 2u_3^9u_1x_8x_4^2+$$
$$2u_5u_3^8u_1x_8x_4x_2 - 8u_3^6u_1^3x_6^2x_5x_2 + 4u_3^8u_1^2x_6^2x_5-$$
$$4u_6u_3^7u_1^2x_6^2x_2$$

S-pol added.

288. Creating S-polynomial from the pair (p_{19}, p_{25}).
Forming S-pol of p_{19} and p_{25}:

$$p_{157} = 4u_3^3u_1^2x_8x_6 + 4u_3^2u_1^2x_8x_4x_2 - 2u_3^4u_1x_8x_4+$$
$$2u_5u_3^3u_1x_8x_2 - 4u_3^2u_1^2x_6x_5x_2 - 4u_6u_3^3u_1^2x_6$$

S-pol added.

289. Creating S-polynomial from the pair (p_{19}, p_{26}).
Skipping pair p_{19} and p_{26} because gcd of their leading monoms is zero.

290. Creating S-polynomial from the pair (p_{19}, p_{27}).
Skipping pair p_{19} and p_{27} because gcd of their leading monoms is zero.

291. Creating S-polynomial from the pair (p_{19}, p_{28}).
Skipping pair p_{19} and p_{28} because gcd of their leading monoms is zero.

292. Creating S-polynomial from the pair (p_{19}, p_{29}).
Skipping pair p_{19} and p_{29} because gcd of their leading monoms is zero.

293. Creating S-polynomial from the pair (p_{19}, p_{30}).
Skipping pair p_{19} and p_{30} because gcd of their leading monoms is zero.

294. Creating S-polynomial from the pair (p_{19}, p_{31}).
Skipping pair p_{19} and p_{31} because gcd of their leading monoms is zero.

295. Creating S-polynomial from the pair (p_{20}, p_{21}).
Skipping pair p_{20} and p_{21} because gcd of their leading monoms is zero.

296. Creating S-polynomial from the pair (p_{20}, p_{22}).
Skipping pair p_{20} and p_{22} because gcd of their leading monoms is zero.

297. Creating S-polynomial from the pair (p_{20}, p_{23}).
Forming S-pol of p_{20} and p_{23}:

$$p_{158} = 4u_3^3u_1^2x_8x_6 - 4u_3^2u_1^2x_8x_4x_2 - 4u_5u_3^3u_1^2x_8+$$
$$4u_3^2u_1^2x_6x_5x_2 - 2u_3^4u_1x_6x_5 + 2u_6u_3^3u_1x_6x_2$$

S-pol added.

298. Creating S-polynomial from the pair (p_{20}, p_{24}).
Forming S-pol of p_{20} and p_{24}:

$$p_{159} = -4u_3^8u_1^2x_8x_4x_2 + 4u_3^8u_1^2x_8x_4 + 4u_5u_3^7u_1^2x_8x_2^2-$$
$$8u_3^6u_1^3x_6x_5x_2^2 + 4u_3^8u_1^2x_6x_5x_2 - 4u_6u_3^7u_1^2x_6x_2^2+$$
$$4u_3^7u_1^2x_5x_4x_2 - 2u_3^9u_1x_5x_4 + 2u_6u_3^8u_1x_4x_2$$

S-pol added.

299. Creating S-polynomial from the pair (p_{20}, p_{25}).
Forming S-pol of p_{20} and p_{25}:

$$p_{160} = 4u_3^3u_1^2x_8x_2 - 2u_3^4u_1x_5x_2 + 2u_6u_3^3u_1x_2^2 - 4u_6u_3^3u_1^2x_2$$

S-pol added.

300. Creating S-polynomial from the pair (p_{20}, p_{26}).
Skipping pair p_{20} and p_{26} because gcd of their leading monoms is zero.

301. Creating S-polynomial from the pair (p_{20}, p_{27}).
Skipping pair p_{20} and p_{27} because gcd of their leading monoms is zero.

302. Creating S-polynomial from the pair (p_{20}, p_{28}).
Skipping pair p_{20} and p_{28} because gcd of their leading monoms is zero.

303. Creating S-polynomial from the pair (p_{20}, p_{29}).
Skipping pair p_{20} and p_{29} because gcd of their leading monoms is zero.

304. Creating S-polynomial from the pair (p_{20}, p_{30}).
Skipping pair p_{20} and p_{30} because gcd of their leading monoms is zero.

305. Creating S-polynomial from the pair (p_{20}, p_{31}).
Skipping pair p_{20} and p_{31} because gcd of their leading monoms is zero.

306. Creating S-polynomial from the pair (p_{21}, p_{22}).
Forming S-pol of p_{21} and p_{22}:

$$p_{161} = -8u_4^3u_1^3x_{16}x_4x_3 + 4u_4^5u_1^2x_{16}x_4 - 4u_5u_4^4u_1^2x_{16}x_3+$$
$$8u_4^3u_1^3x_{14}x_5x_3 - 4u_4^5u_1^2x_{14}x_5 + 4u_6u_4^4u_1^2x_{14}x_3$$

S-pol added.

307. Creating S-polynomial from the pair (p_{21}, p_{23}).
Skipping pair p_{21} and p_{23} because gcd of their leading monoms is zero.

308. Creating S-polynomial from the pair (p_{21}, p_{24}).
Skipping pair p_{21} and p_{24} because gcd of their leading monoms is zero.

309. Creating S-polynomial from the pair (p_{21}, p_{25}).
Skipping pair p_{21} and p_{25} because gcd of their leading monoms is zero.

310. Creating S-polynomial from the pair (p_{21}, p_{26}).
Skipping pair p_{21} and p_{26} because gcd of their leading monoms is zero.

311. Creating S-polynomial from the pair (p_{21}, p_{27}).
Skipping pair p_{21} and p_{27} because gcd of their leading monoms is zero.

312. Creating S-polynomial from the pair (p_{21}, p_{28}).
Skipping pair p_{21} and p_{28} because gcd of their leading monoms is zero.

313. Creating S-polynomial from the pair (p_{21}, p_{29}).
Forming S-pol of p_{21} and p_{29}:

$$p_{162} = 4u_4^3u_1^2x_{14}x_3 - 2u_4^4u_1x_4x_3 + 2u_5u_4^3u_1x_3^2 - 4u_5u_4^3u_1^2x_3$$

S-pol added.

314. Creating S-polynomial from the pair (p_{21}, p_{30}).
Forming S-pol of p_{21} and p_{30}:

$$p_{163} = 4u_5u_4^7u_1^2x_{16}x_{14}x_3 + 4u_4^7u_1^2x_{16}x_4^2x_3 - 2u_4^9u_1x_{16}x_4^2+$$
$$2u_5u_4^8u_1x_{16}x_4x_3 - 8u_4^6u_1^3x_{14}^2x_5x_3 + 4u_4^8u_1^2x_{14}^2x_5-$$
$$4u_6u_4^7u_1^2x_{14}^2x_3$$

S-pol added.

315. Creating S-polynomial from the pair (p_{21}, p_{31}).
Forming S-pol of p_{21} and p_{31}:

$$p_{164} = 4u_4^3u_1^2x_{16}x_{14} + 4u_4^2u_1^2x_{16}x_4x_3 - 2u_4^4u_1x_{16}x_4+$$
$$2u_5u_4^3u_1x_{16}x_3 - 4u_4^2u_1^2x_{14}x_5x_3 - 4u_6u_4^3u_1^2x_{14}$$

S-pol added.

316. Creating S-polynomial from the pair (p_{22}, p_{23}).
Skipping pair p_{22} and p_{23} because gcd of their leading monoms is zero.

317. Creating S-polynomial from the pair (p_{22}, p_{24}).
Skipping pair p_{22} and p_{24} because gcd of their leading monoms is zero.

318. Creating S-polynomial from the pair (p_{22}, p_{25}).
Skipping pair p_{22} and p_{25} because gcd of their leading monoms is zero.

319. Creating S-polynomial from the pair (p_{22}, p_{26}).
Skipping pair p_{22} and p_{26} because gcd of their leading monoms is zero.

320. Creating S-polynomial from the pair (p_{22}, p_{27}).
Skipping pair p_{22} and p_{27} because gcd of their leading monoms is zero.

321. Creating S-polynomial from the pair (p_{22}, p_{28}).
Skipping pair p_{22} and p_{28} because gcd of their leading monoms is zero.

322. Creating S-polynomial from the pair (p_{22}, p_{29}).
Forming S-pol of p_{22} and p_{29}:

$$p_{165} = 4u_4^3u_1^2x_{16}x_{14} - 4u_4^2u_1^2x_{16}x_4x_3 - 4u_5u_4^3u_1^2x_{16}+$$
$$4u_4^2u_1^2x_{14}x_5x_3 - 2u_4^4u_1x_{14}x_5 + 2u_6u_4^3u_1x_{14}x_3$$

S-pol added.

323. Creating S-polynomial from the pair (p_{22}, p_{30}).
Forming S-pol of p_{22} and p_{30}:

$$p_{166} = -4u_4^8u_1^2x_{16}x_4x_3 + 4u_4^8u_1^2x_{16}x_4 + 4u_5u_4^7u_1^2x_{16}x_3^2-$$
$$8u_4^6u_1^3x_{14}x_5x_3^2 + 4u_4^8u_1^2x_{14}x_5x_3 - 4u_6u_4^7u_1^2x_{14}x_3^2+$$
$$4u_4^7u_1^2x_5x_4x_3 - 2u_4^9u_1x_5x_4 + 2u_6u_4^8u_1x_4x_3$$

S-pol added.

324. Creating S-polynomial from the pair (p_{22}, p_{31}).
Forming S-pol of p_{22} and p_{31}:

$$p_{167} = 4u_4^3u_1^2x_{16}x_3 - 2u_4^4u_1x_5x_3 + 2u_6u_4^3u_1x_3^2 - 4u_6u_4^3u_1^2x_3$$

S-pol added.

325. Creating S-polynomial from the pair (p_{23}, p_{24}).
Forming S-pol of p_{23} and p_{24}:

$$p_{168} = 2u_3^7u_1x_8x_6x_4 - 2u_5u_3^6u_1x_8x_6x_2 - 2u_3^6u_1x_8x_4^2x_2-$$
$$2u_5u_3^7u_1x_8x_4 + 4u_3^5u_1^2x_6^2x_5x_2 - 2u_3^7u_1x_6^2x_5+$$
$$2u_6u_3^6u_1x_6^2x_2$$

S-pol added.

326. Creating S-polynomial from the pair (p_{23}, p_{25}).
Forming S-pol of p_{23} and p_{25}:

$$p_{169} = -2u_3u_1x_8x_4x_2 - 2u_5u_3^2u_1x_8 + 2u_3u_1x_6x_5x_2 + 2u_6u_3^2u_1x_6$$

S-pol added.

327. Creating S-polynomial from the pair (p_{23}, p_{26}).
Skipping pair p_{23} and p_{26} because gcd of their leading monoms is zero.

328. Creating S-polynomial from the pair (p_{23}, p_{27}).
Skipping pair p_{23} and p_{27} because gcd of their leading monoms is zero.

329. Creating S-polynomial from the pair (p_{23}, p_{28}).
Skipping pair p_{23} and p_{28} because gcd of their leading monoms is zero.

330. Creating S-polynomial from the pair (p_{23}, p_{29}).
Skipping pair p_{23} and p_{29} because gcd of their leading monoms is zero.

331. Creating S-polynomial from the pair (p_{23}, p_{30}).
Skipping pair p_{23} and p_{30} because gcd of their leading monoms is zero.

332. Creating S-polynomial from the pair (p_{23}, p_{31}).
Skipping pair p_{23} and p_{31} because gcd of their leading monoms is zero.

333. Creating S-polynomial from the pair (p_{24}, p_{25}).
Forming S-pol of p_{24} and p_{25}:

$$p_{170} = -2u_3^7u_1x_8x_4x_2 + 2u_5u_3^6u_1x_8x_2^2 - 4u_3^5u_1^2x_6x_5x_2^2 +$$
$$2u_3^7u_1x_6x_5x_2 - 2u_6u_3^6u_1x_6x_2^2 + 2u_3^6u_1x_5x_4x_2 +$$
$$2u_6u_3^7u_1x_4$$

S-pol added.

334. Creating S-polynomial from the pair (p_{24}, p_{26}).
Skipping pair p_{24} and p_{26} because gcd of their leading monoms is zero.

335. Creating S-polynomial from the pair (p_{24}, p_{27}).
Forming S-pol of p_{24} and p_{27}:

$$p_{171} = 2u_3^5u_2^7u_1x_{12}x_8x_4x_2 - 2u_3^7u_2^5u_1x_{12}x_8x_4x_1 +$$
$$(2u_5u_3^6u_2^5u_1 - 2u_5u_3^5u_2^6u_1)x_{12}x_8x_2x_1 -$$
$$4u_3^5u_2^5u_1^2x_{12}x_6x_5x_2x_1 + 2u_3^7u_2^5u_1x_{12}x_6x_5x_1 -$$
$$2u_6u_3^6u_2^5u_1x_{12}x_6x_2x_1 + 4u_3^5u_2^5u_1^2x_{10}x_8x_5x_2x_1 -$$
$$2u_3^5u_2^7u_1x_{10}x_8x_5x_2 + 2u_6u_3^5u_2^6u_1x_{10}x_8x_2x_1$$

S-pol added.

336. Creating S-polynomial from the pair (p_{24}, p_{28}).
Skipping pair p_{24} and p_{28} because gcd of their leading monoms is zero.

337. Creating S-polynomial from the pair (p_{24}, p_{29}).
Skipping pair p_{24} and p_{29} because gcd of their leading monoms is zero.

338. Creating S-polynomial from the pair (p_{24}, p_{30}).
Forming S-pol of p_{24} and p_{30}:

$$p_{172} = -2u_4^5u_3^7u_1x_{16}x_8x_4x_3 + 2u_4^7u_3^5u_1x_{16}x_8x_4x_2+$$
$$(-2u_5u_4^6u_3^5u_1 + 2u_5u_4^5u_3^6u_1)x_{16}x_8x_3x_2-$$
$$4u_4^5u_3^5u_1^2x_{16}x_6x_5x_3x_2 + 2u_4^5u_3^7u_1x_{16}x_6x_5x_3-$$
$$2u_6u_4^5u_3^6u_1x_{16}x_6x_3x_2 + 4u_4^5u_3^5u_1^2x_{14}x_8x_5x_3x_2-$$
$$2u_4^7u_3^5u_1x_{14}x_8x_5x_2 + 2u_6u_4^6u_3^5u_1x_{14}x_8x_3x_2$$

S-pol added.

339. Creating S-polynomial from the pair (p_{24}, p_{31}).
Skipping pair p_{24} and p_{31} because gcd of their leading monoms is zero.

340. Creating S-polynomial from the pair (p_{25}, p_{26}).
Skipping pair p_{25} and p_{26} because gcd of their leading monoms is zero.

341. Creating S-polynomial from the pair (p_{25}, p_{27}).
Skipping pair p_{25} and p_{27} because gcd of their leading monoms is zero.

342. Creating S-polynomial from the pair (p_{25}, p_{28}).
Skipping pair p_{25} and p_{28} because gcd of their leading monoms is zero.

343. Creating S-polynomial from the pair (p_{25}, p_{29}).
Skipping pair p_{25} and p_{29} because gcd of their leading monoms is zero.

344. Creating S-polynomial from the pair (p_{25}, p_{30}).
Skipping pair p_{25} and p_{30} because gcd of their leading monoms is zero.

345. Creating S-polynomial from the pair (p_{25}, p_{31}).
Skipping pair p_{25} and p_{31} because gcd of their leading monoms is zero.

346. Creating S-polynomial from the pair (p_{26}, p_{27}).
Forming S-pol of p_{26} and p_{27}:

$$p_{173} = 2u_2^7u_1x_{12}x_{10}x_4 - 2u_5u_2^6u_1x_{12}x_{10}x_1 - 2u_2^6u_1x_{12}x_4^2x_1-$$
$$2u_5u_2^7u_1x_{12}x_4 + 4u_2^5u_1^2x_{10}^2x_5x_1 - 2u_2^7u_1x_{10}^2x_5+$$
$$2u_6u_2^6u_1x_{10}^2x_1$$

S-pol added.

347. Creating S-polynomial from the pair (p_{26}, p_{28}).
Forming S-pol of p_{26} and p_{28}:

$$p_{174} = -2u_2u_1x_{12}x_4x_1 - 2u_5u_2^2u_1x_{12} + 2u_2u_1x_{10}x_5x_1 + 2u_6u_2^2u_1x_{10}$$

S-pol added.

348. Creating S-polynomial from the pair (p_{26}, p_{29}).
Skipping pair p_{26} and p_{29} because gcd of their leading monoms is zero.

349. Creating S-polynomial from the pair (p_{26}, p_{30}).
Skipping pair p_{26} and p_{30} because gcd of their leading monoms is zero.

350. Creating S-polynomial from the pair (p_{26}, p_{31}).
Skipping pair p_{26} and p_{31} because gcd of their leading monoms is zero.

351. Creating S-polynomial from the pair (p_{27}, p_{28}).
Forming S-pol of p_{27} and p_{28}:

$$p_{175} = -2u_2^7u_1x_{12}x_4x_1 + 2u_5u_2^6u_1x_{12}x_1^2 - 4u_2^5u_1^2x_{10}x_5x_1^2 +$$
$$2u_2^7u_1x_{10}x_5x_1 - 2u_6u_2^6u_1x_{10}x_1^2 + 2u_2^6u_1x_5x_4x_1 +$$
$$2u_6u_2^7u_1x_4$$

S-pol added.

352. Creating S-polynomial from the pair (p_{27}, p_{29}).
Skipping pair p_{27} and p_{29} because gcd of their leading monoms is zero.

353. Creating S-polynomial from the pair (p_{27}, p_{30}).
Forming S-pol of p_{27} and p_{30}:

$$p_{176} = -2u_4^5u_2^7u_1x_{16}x_{12}x_4x_3 + 2u_4^7u_2^5u_1x_{16}x_{12}x_4x_1 +$$
$$(-2u_5u_4^6u_2^5u_1 + 2u_5u_4^5u_2^6u_1)x_{16}x_{12}x_3x_1 -$$
$$4u_4^5u_2^5u_1^2x_{16}x_{10}x_5x_3x_1 + 2u_4^5u_2^7u_1x_{16}x_{10}x_5x_3 -$$
$$2u_6u_4^5u_2^6u_1x_{16}x_{10}x_3x_1 + 4u_4^5u_2^5u_1^2x_{14}x_{12}x_5x_3x_1 -$$
$$2u_4^7u_2^5u_1x_{14}x_{12}x_5x_1 + 2u_6u_4^6u_2^5u_1x_{14}x_{12}x_3x_1$$

S-pol added.

354. Creating S-polynomial from the pair (p_{27}, p_{31}).
Skipping pair p_{27} and p_{31} because gcd of their leading monoms is zero.

355. Creating S-polynomial from the pair (p_{28}, p_{29}).
Skipping pair p_{28} and p_{29} because gcd of their leading monoms is zero.

356. Creating S-polynomial from the pair (p_{28}, p_{30}).
Skipping pair p_{28} and p_{30} because gcd of their leading monoms is zero.

357. Creating S-polynomial from the pair (p_{28}, p_{31}).
Skipping pair p_{28} and p_{31} because gcd of their leading monoms is zero.

358. Creating S-polynomial from the pair (p_{29}, p_{30}).
Forming S-pol of p_{29} and p_{30}:

$$p_{177} = 2u_4^7u_1x_{16}x_{14}x_4 - 2u_5u_4^6u_1x_{16}x_{14}x_3 - 2u_4^6u_1x_{16}x_4^2x_3 - \\ 2u_5u_4^7u_1x_{16}x_4 + 4u_4^5u_1^2x_{14}^2x_5x_3 - 2u_4^7u_1x_{14}^2x_5 + \\ 2u_6u_4^6u_1x_{14}^2x_3$$

S-pol added.

359. Creating S-polynomial from the pair (p_{29}, p_{31}).
Forming S-pol of p_{29} and p_{31}:

$$p_{178} = -2u_4u_1x_{16}x_4x_3 - 2u_5u_4^2u_1x_{16} + 2u_4u_1x_{14}x_5x_3 + 2u_6u_4^2u_1x_{14}$$

S-pol added.

360. Creating S-polynomial from the pair (p_{30}, p_{31}).
Forming S-pol of p_{30} and p_{31}:

$$p_{179} = -2u_4^7u_1x_{16}x_4x_3 + 2u_5u_4^6u_1x_{16}x_3^2 - 4u_4^5u_1^2x_{14}x_5x_3^2 + \\ 2u_4^7u_1x_{14}x_5x_3 - 2u_6u_4^6u_1x_{14}x_3^2 + 2u_4^6u_1x_5x_4x_3 + \\ 2u_6u_4^7u_1x_4$$

S-pol added.

5.3 Iteration 3

Current set is $S_3 =$

$$
\begin{aligned}
p_0 &= x_1^2 - 2u_1x_1 + u_2^2 \\
p_1 &= x_2^2 - 2u_1x_2 + u_3^2 \\
p_2 &= x_3^2 - 2u_1x_3 + u_4^2 \\
p_3 &= x_4^2 - 2u_1x_4 + u_5^2 \\
p_4 &= x_5^2 - 2u_1x_5 + u_6^2 \\
p_5 &= -u_3x_7 + x_6x_2 \\
p_6 &= -x_7x_2 - u_3x_6 + x_4x_2 + u_5u_3 \\
p_7 &= -u_3x_9 + x_8x_2 \\
p_8 &= -x_9x_2 - u_3x_8 + x_5x_2 + u_6u_3 \\
p_9 &= -u_2x_{11} + x_{10}x_1 \\
p_{10} &= -x_{11}x_1 - u_2x_{10} + x_4x_1 + u_5u_2 \\
p_{11} &= -u_2x_{13} + x_{12}x_1 \\
p_{12} &= -x_{13}x_1 - u_2x_{12} + x_5x_1 + u_6u_2 \\
p_{13} &= -u_4x_{15} + x_{14}x_3 \\
p_{14} &= -x_{15}x_3 - u_4x_{14} + x_4x_3 + u_5u_4 \\
p_{15} &= -u_4x_{17} + x_{16}x_3 \\
p_{16} &= -x_{17}x_3 - u_4x_{16} + x_5x_3 + u_6u_4 \\
p_{17} &= 4u_2u_1^2x_{10}x_1 - 2u_2^3u_1x_{10} - 2u_2^2u_1x_4x_1 + u_2^4x_4 - u_5u_2^3x_1 \\
p_{18} &= 4u_2u_1^2x_{12}x_1 - 2u_2^3u_1x_{12} - 2u_2^2u_1x_5x_1 + u_2^4x_5 - u_6u_2^3x_1 \\
p_{19} &= 4u_3u_1^2x_6x_2 - 2u_3^3u_1x_6 - 2u_3^2u_1x_4x_2 + u_3^4x_4 - u_5u_3^3x_2 \\
p_{20} &= 4u_3u_1^2x_8x_2 - 2u_3^3u_1x_8 - 2u_3^2u_1x_5x_2 + u_3^4x_5 - u_6u_3^3x_2 \\
p_{21} &= 4u_4u_1^2x_{14}x_3 - 2u_4^3u_1x_{14} - 2u_4^2u_1x_4x_3 + u_4^4x_4 - u_5u_4^3x_3 \\
p_{22} &= 4u_4u_1^2x_{16}x_3 - 2u_4^3u_1x_{16} - 2u_4^2u_1x_5x_3 + u_4^4x_5 - u_6u_4^3x_3 \\
p_{23} &= -2u_1x_6x_2 + u_3x_4x_2 + u_5u_3^2 \\
p_{24} &= -2u_3^5u_1x_8x_4x_2 + u_3^7x_8x_4 - u_5u_3^6x_8x_2 + 2u_3^5u_1x_6x_5x_2 - \\
&\quad u_3^7x_6x_5 + u_6u_3^6x_6x_2 \\
p_{25} &= -2u_1x_8x_2 + u_3x_5x_2 + u_6u_3^2 \\
p_{26} &= -2u_1x_{10}x_1 + u_2x_4x_1 + u_5u_2^2 \\
p_{27} &= -2u_2^5u_1x_{12}x_4x_1 + u_2^7x_{12}x_4 - u_5u_2^6x_{12}x_1 + 2u_2^5u_1x_{10}x_5x_1 - \\
&\quad u_2^7x_{10}x_5 + u_6u_2^6x_{10}x_1 \\
p_{28} &= -2u_1x_{12}x_1 + u_2x_5x_1 + u_6u_2^2 \\
p_{29} &= -2u_1x_{14}x_3 + u_4x_4x_3 + u_5u_4^2 \\
p_{30} &= -2u_4^5u_1x_{16}x_4x_3 + u_4^7x_{16}x_4 - u_5u_4^6x_{16}x_3 + 2u_4^5u_1x_{14}x_5x_3 - \\
&\quad u_4^7x_{14}x_5 + u_6u_4^6x_{14}x_3 \\
p_{31} &= -2u_1x_{16}x_3 + u_4x_5x_3 + u_6u_4^2 \\
p_{32} &= 4u_2^6u_1^2x_{10} - 2u_2^7u_1x_4 + 2u_5u_2^6u_1x_1 - 4u_5u_2^6u_1^2 \\
p_{33} &= 4u_2^6u_1^2x_{12} - 2u_2^7u_1x_5 + 2u_6u_2^6u_1x_1 - 4u_6u_2^6u_1^2 \\
p_{34} &= -128u_2^{13}u_1^7x_{12}x_4 + 128u_2^{13}u_1^7x_{10}x_5 + 64u_5u_2^{13}u_1^6x_5x_1 - \\
&\quad 128u_5u_2^{13}u_1^7x_5 - 64u_6u_2^{13}u_1^6x_4x_1 + 128u_6u_2^{13}u_1^7x_4 \\
p_{35} &= 4u_3^6u_1^2x_6 - 2u_3^7u_1x_4 + 2u_5u_3^6u_1x_2 - 4u_5u_3^6u_1^2 \\
p_{36} &= 4u_3^6u_1^2x_8 - 2u_3^7u_1x_5 + 2u_6u_3^6u_1x_2 - 4u_6u_3^6u_1^2 \\
p_{37} &= -128u_3^{13}u_1^7x_8x_4 + 128u_3^{13}u_1^7x_6x_5 + 64u_5u_3^{13}u_1^6x_5x_2 - \\
&\quad 128u_5u_3^{13}u_1^7x_5 - 64u_6u_3^{13}u_1^6x_4x_2 + 128u_6u_3^{13}u_1^7x_4 \\
p_{38} &= 4u_4^6u_1^2x_{14} - 2u_4^7u_1x_4 + 2u_5u_4^6u_1x_3 - 4u_5u_4^6u_1^2 \\
p_{39} &= 4u_4^6u_1^2x_{16} - 2u_4^7u_1x_5 + 2u_6u_4^6u_1x_3 - 4u_6u_4^6u_1^2 \\
p_{40} &= -128u_4^{13}u_1^7x_{16}x_4 + 128u_4^{13}u_1^7x_{14}x_5 + 64u_5u_4^{13}u_1^6x_5x_3 -
\end{aligned}
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1. Creating S-polynomial from the pair (p_0, p_{32}).
   Skipping pair p_0 and p_{32} because gcd of their leading monoms is zero.
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Skipping pair p_2 and p_{33} because gcd of their leading monoms is zero.

153. Creating S-polynomial from the pair (p_2, p_{34}).
Skipping pair p_2 and p_{34} because gcd of their leading monoms is zero.

154. Creating S-polynomial from the pair (p_2, p_{35}).
Skipping pair p_2 and p_{35} because gcd of their leading monoms is zero.

155. Creating S-polynomial from the pair (p_2, p_{36}).
Skipping pair p_2 and p_{36} because gcd of their leading monoms is zero.

156. Creating S-polynomial from the pair (p_2, p_{37}).
Skipping pair p_2 and p_{37} because gcd of their leading monoms is zero.

157. Creating S-polynomial from the pair (p_2, p_{38}).
Skipping pair p_2 and p_{38} because gcd of their leading monoms is zero.

158. Creating S-polynomial from the pair (p_2, p_{39}).
Skipping pair p_2 and p_{39} because gcd of their leading monoms is zero.

159. Creating S-polynomial from the pair (p_2, p_{40}).
Skipping pair p_2 and p_{40} because gcd of their leading monoms is zero.

160. Creating S-polynomial from the pair (p_2, p_{41}).
Skipping pair p_2 and p_{41} because gcd of their leading monoms is zero.

161. Creating S-polynomial from the pair (p_2, p_{42}).
Skipping pair p_2 and p_{42} because gcd of their leading monoms is zero.

162. Creating S-polynomial from the pair (p_2, p_{43}).
Skipping pair p_2 and p_{43} because gcd of their leading monoms is zero.

163. Creating S-polynomial from the pair (p_2, p_{44}).
Skipping pair p_2 and p_{44} because gcd of their leading monoms is zero.

164. Creating S-polynomial from the pair (p_2, p_{45}).
Skipping pair p_2 and p_{45} because gcd of their leading monoms is zero.

165. Creating S-polynomial from the pair (p_2, p_{46}).
Skipping pair p_2 and p_{46} because gcd of their leading monoms is zero.

166. Creating S-polynomial from the pair (p_2, p_{47}).
Skipping pair p_2 and p_{47} because gcd of their leading monoms is zero.

167. Creating S-polynomial from the pair (p_2, p_{48}).
Skipping pair p_2 and p_{48} because gcd of their leading monoms is zero.

168. Creating S-polynomial from the pair (p_2, p_{49}).
Skipping pair p_2 and p_{49} because gcd of their leading monoms is zero.

169. Creating S-polynomial from the pair (p_2, p_{50}).
Skipping pair p_2 and p_{50} because gcd of their leading monoms is zero.

170. Creating S-polynomial from the pair (p_2, p_{51}).
Skipping pair p_2 and p_{51} because gcd of their leading monoms is zero.

171. Creating S-polynomial from the pair (p_2, p_{52}).
Skipping pair p_2 and p_{52} because gcd of their leading monoms is zero.

172. Creating S-polynomial from the pair (p_2, p_{53}).
Skipping pair p_2 and p_{53} because gcd of their leading monoms is zero.

173. Creating S-polynomial from the pair (p_2, p_{54}).
Skipping pair p_2 and p_{54} because gcd of their leading monoms is zero.

174. Creating S-polynomial from the pair (p_2, p_{55}).
Skipping pair p_2 and p_{55} because gcd of their leading monoms is zero.

175. Creating S-polynomial from the pair (p_2, p_{56}).
Skipping pair p_2 and p_{56} because gcd of their leading monoms is zero.

176. Creating S-polynomial from the pair (p_2, p_{57}).
Skipping pair p_2 and p_{57} because gcd of their leading monoms is zero.

177. Creating S-polynomial from the pair (p_2, p_{58}).
Skipping pair p_2 and p_{58} because gcd of their leading monoms is zero.

178. Creating S-polynomial from the pair (p_2, p_{59}).
Skipping pair p_2 and p_{59} because gcd of their leading monoms is zero.

179. Creating S-polynomial from the pair (p_2, p_{60}).
Skipping pair p_2 and p_{60} because gcd of their leading monoms is zero.

180. Creating S-polynomial from the pair (p_2, p_{61}).
Skipping pair p_2 and p_{61} because gcd of their leading monoms is zero.

181. Creating S-polynomial from the pair (p_2, p_{62}).
Skipping pair p_2 and p_{62} because gcd of their leading monoms is zero.

182. Creating S-polynomial from the pair (p_2, p_{63}).
Skipping pair p_2 and p_{63} because gcd of their leading monoms is zero.

183. Creating S-polynomial from the pair (p_2, p_{64}).
Skipping pair p_2 and p_{64} because gcd of their leading monoms is zero.

184. Creating S-polynomial from the pair (p_2, p_{65}).
Skipping pair p_2 and p_{65} because gcd of their leading monoms is zero.

185. Creating S-polynomial from the pair (p_2, p_{66}).
Skipping pair p_2 and p_{66} because gcd of their leading monoms is zero.

186. Creating S-polynomial from the pair (p_2, p_{67}).
Skipping pair p_2 and p_{67} because gcd of their leading monoms is zero.

187. Creating S-polynomial from the pair (p_2, p_{68}).
Skipping pair p_2 and p_{68} because gcd of their leading monoms is zero.

188. Creating S-polynomial from the pair (p_2, p_{69}).
Skipping pair p_2 and p_{69} because gcd of their leading monoms is zero.

189. Creating S-polynomial from the pair (p_2, p_{70}).
Skipping pair p_2 and p_{70} because gcd of their leading monoms is zero.

190. Creating S-polynomial from the pair (p_2, p_{71}).
Skipping pair p_2 and p_{71} because gcd of their leading monoms is zero.

191. Creating S-polynomial from the pair (p_2, p_{72}).
Skipping pair p_2 and p_{72} because gcd of their leading monoms is zero.

192. Creating S-polynomial from the pair (p_2, p_{73}).
Skipping pair p_2 and p_{73} because gcd of their leading monoms is zero.

193. Creating S-polynomial from the pair (p_2, p_{74}).
Skipping pair p_2 and p_{74} because gcd of their leading monoms is zero.

194. Creating S-polynomial from the pair (p_2, p_{75}).
Skipping pair p_2 and p_{75} because gcd of their leading monoms is zero.

195. Creating S-polynomial from the pair (p_2, p_{76}).
Skipping pair p_2 and p_{76} because gcd of their leading monoms is zero.

196. Creating S-polynomial from the pair (p_2, p_{77}).
Skipping pair p_2 and p_{77} because gcd of their leading monoms is zero.

197. Creating S-polynomial from the pair (p_2, p_{78}).
Skipping pair p_2 and p_{78} because gcd of their leading monoms is zero.

198. Creating S-polynomial from the pair (p_2, p_{79}).
Skipping pair p_2 and p_{79} because gcd of their leading monoms is zero.

199. Creating S-polynomial from the pair (p_2, p_{80}).
Skipping pair p_2 and p_{80} because gcd of their leading monoms is zero.

200. Creating S-polynomial from the pair (p_2, p_{81}).
Skipping pair p_2 and p_{81} because gcd of their leading monoms is zero.

201. Creating S-polynomial from the pair (p_2, p_{82}).
Skipping pair p_2 and p_{82} because gcd of their leading monoms is zero.

202. Creating S-polynomial from the pair (p_2, p_{83}).
Skipping pair p_2 and p_{83} because gcd of their leading monoms is zero.

203. Creating S-polynomial from the pair (p_2, p_{84}).
Skipping pair p_2 and p_{84} because gcd of their leading monoms is zero.

204. Creating S-polynomial from the pair (p_2, p_{85}).
Skipping pair p_2 and p_{85} because gcd of their leading monoms is zero.

205. Creating S-polynomial from the pair (p_2, p_{86}).
Skipping pair p_2 and p_{86} because gcd of their leading monoms is zero.

206. Creating S-polynomial from the pair (p_2, p_{87}).
Skipping pair p_2 and p_{87} because gcd of their leading monoms is zero.

207. Creating S-polynomial from the pair (p_2, p_{88}).
Skipping pair p_2 and p_{88} because gcd of their leading monoms is zero.

208. Creating S-polynomial from the pair (p_2, p_{89}).
Skipping pair p_2 and p_{89} because gcd of their leading monoms is zero.

209. Creating S-polynomial from the pair (p_2, p_{90}).
Skipping pair p_2 and p_{90} because gcd of their leading monoms is zero.

210. Creating S-polynomial from the pair (p_2, p_{91}).
Skipping pair p_2 and p_{91} because gcd of their leading monoms is zero.

211. Creating S-polynomial from the pair (p_2, p_{92}).
Skipping pair p_2 and p_{92} because gcd of their leading monoms is zero.

212. Creating S-polynomial from the pair (p_2, p_{93}).
Skipping pair p_2 and p_{93} because gcd of their leading monoms is zero.

213. Creating S-polynomial from the pair (p_2, p_{94}).
Skipping pair p_2 and p_{94} because gcd of their leading monoms is zero.

214. Creating S-polynomial from the pair (p_2, p_{95}).
Skipping pair p_2 and p_{95} because gcd of their leading monoms is zero.

215. Creating S-polynomial from the pair (p_2, p_{96}).
Skipping pair p_2 and p_{96} because gcd of their leading monoms is zero.

216. Creating S-polynomial from the pair (p_2, p_{97}).
Skipping pair p_2 and p_{97} because gcd of their leading monoms is zero.

217. Creating S-polynomial from the pair (p_2, p_{98}).
Skipping pair p_2 and p_{98} because gcd of their leading monoms is zero.

218. Creating S-polynomial from the pair (p_2, p_{99}).
Skipping pair p_2 and p_{99} because gcd of their leading monoms is zero.

219. Creating S-polynomial from the pair (p_2, p_{100}).
Skipping pair p_2 and p_{100} because gcd of their leading monoms is zero.

220. Creating S-polynomial from the pair (p_2, p_{101}).
Skipping pair p_2 and p_{101} because gcd of their leading monoms is zero.

221. Creating S-polynomial from the pair (p_2, p_{102}).
Skipping pair p_2 and p_{102} because gcd of their leading monoms is zero.

222. Creating S-polynomial from the pair (p_2, p_{103}).
Skipping pair p_2 and p_{103} because gcd of their leading monoms is zero.

223. Creating S-polynomial from the pair (p_2, p_{104}).
Skipping pair p_2 and p_{104} because gcd of their leading monoms is zero.

224. Creating S-polynomial from the pair (p_2, p_{105}).
Skipping pair p_2 and p_{105} because gcd of their leading monoms is zero.

225. Creating S-polynomial from the pair (p_2, p_{106}).
Skipping pair p_2 and p_{106} because gcd of their leading monoms is zero.

226. Creating S-polynomial from the pair (p_3, p_{32}).
Skipping pair p_3 and p_{32} because gcd of their leading monoms is zero.

227. Creating S-polynomial from the pair (p_3, p_{33}).
Skipping pair p_3 and p_{33} because gcd of their leading monoms is zero.

228. Creating S-polynomial from the pair (p_3, p_{34}).
Forming S-pol of p_3 and p_{34}:

$$p_{284} = 256u_2^{13}u_1^8x_{12}x_4 - 128u_5^2u_2^{13}u_1^7x_{12} - 128u_2^{13}u_1^7x_{10}x_5x_4 -$$
$$64u_5u_2^{13}u_1^6x_5x_4x_1 + 128u_5u_2^{13}u_1^7x_5x_4 + 64u_6u_2^{13}u_1^6x_4^2x_1 -$$
$$128u_6u_2^{13}u_1^7x_4^2$$

Reduced to zero.

229. Creating S-polynomial from the pair (p_3, p_{35}).
Skipping pair p_3 and p_{35} because gcd of their leading monoms is zero.

230. Creating S-polynomial from the pair (p_3, p_{36}).
Skipping pair p_3 and p_{36} because gcd of their leading monoms is zero.

231. Creating S-polynomial from the pair (p_3, p_{37}).
Forming S-pol of p_3 and p_{37}:

$$p_{285} = 256u_3^{13}u_1^8x_8x_4 - 128u_5^2u_3^{13}u_1^7x_8 - 128u_3^{13}u_1^7x_6x_5x_4 -$$
$$64u_5u_3^{13}u_1^6x_5x_4x_2 + 128u_5u_3^{13}u_1^7x_5x_4 + 64u_6u_3^{13}u_1^6x_4^2x_2 -$$
$$128u_6u_3^{13}u_1^7x_4^2$$

Reduced to zero.

232. Creating S-polynomial from the pair (p_3, p_{38}).
Skipping pair p_3 and p_{38} because gcd of their leading monoms is zero.

233. Creating S-polynomial from the pair (p_3, p_{39}).
Skipping pair p_3 and p_{39} because gcd of their leading monoms is zero.

234. Creating S-polynomial from the pair (p_3, p_{40}).

Forming S-pol of p_3 and p_{40}:

$$p_{286} = 256u_4^{13}u_1^8x_{16}x_4 - 128u_5^2u_4^{13}u_1^7x_{16} - 128u_4^{13}u_1^7x_{14}x_5x_4 - 64u_5u_4^{13}u_1^6x_5x_4x_3 + 128u_5u_4^{13}u_1^7x_5x_4 + 64u_6u_4^{13}u_1^6x_4^2x_3 - 128u_6u_4^{13}u_1^7x_4^2$$

Reduced to zero.

235. Creating S-polynomial from the pair (p_3, p_{41}).

Forming S-pol of p_3 and p_{41}:

$$p_{287} = -256u_5u_3^{12}u_1^8x_8x_4 + 128u_5^3u_3^{12}u_1^7x_8 + 128u_6u_3^{12}u_1^7x_6x_4^2 + 64u_5u_3^{13}u_1^6x_5x_4^2 - 128u_6u_3^{13}u_1^7x_4^2 + 64u_6u_5^2u_3^{13}u_1^6x_4$$

Reduced to zero.

236. Creating S-polynomial from the pair (p_3, p_{42}).

Forming S-pol of p_3 and p_{42}:

$$p_{288} = -256u_5u_2^{12}u_1^8x_{12}x_4 + 128u_5^3u_2^{12}u_1^7x_{12} + 128u_6u_2^{12}u_1^7x_{10}x_4^2 + 64u_5u_2^{13}u_1^6x_5x_4^2 - 128u_6u_2^{13}u_1^7x_4^2 + 64u_6u_5^2u_2^{13}u_1^6x_4$$

Reduced to zero.

237. Creating S-polynomial from the pair (p_3, p_{43}).

Forming S-pol of p_3 and p_{43}:

$$p_{289} = -256u_5u_4^{12}u_1^8x_{16}x_4 + 128u_5^3u_4^{12}u_1^7x_{16} + 128u_6u_4^{12}u_1^7x_{14}x_4^2 + 64u_5u_4^{13}u_1^6x_5x_4^2 - 128u_6u_4^{13}u_1^7x_4^2 + 64u_6u_5^2u_4^{13}u_1^6x_4$$

Reduced to zero.

238. Creating S-polynomial from the pair (p_3, p_{44}).

Skipping pair p_3 and p_{44} because gcd of their leading monoms is zero.

239. Creating S-polynomial from the pair (p_3, p_{45}).

Skipping pair p_3 and p_{45} because gcd of their leading monoms is zero.

240. Creating S-polynomial from the pair (p_3, p_{46}).

Skipping pair p_3 and p_{46} because gcd of their leading monoms is zero.

241. Creating S-polynomial from the pair (p_3, p_{47}).

Forming S-pol of p_3 and p_{47}: Polynomial too big for output (text size is 1010 characters, number of terms is 14)

Reduced to zero.

242. Creating S-polynomial from the pair (p_3, p_{48}).

Skipping pair p_3 and p_{48} because gcd of their leading monoms is zero.

243. Creating S-polynomial from the pair (p_3, p_{49}).

Skipping pair p_3 and p_{49} because gcd of their leading monoms is zero.

244. Creating S-polynomial from the pair (p_3, p_{50}).

Skipping pair p_3 and p_{50} because gcd of their leading monoms is zero.

245. Creating S-polynomial from the pair (p_3, p_{51}).

Skipping pair p_3 and p_{51} because gcd of their leading monoms is zero.

246. Creating S-polynomial from the pair (p_3, p_{52}).

Forming S-pol of p_3 and p_{52}:

$$p_{290} = (4096u_3^{19}u_1^{12} + 16384u_3^{17}u_1^{14})x_8^2x_4+$$
$$(-2048u_5^2u_3^{19}u_1^{11} - 8192u_5^2u_3^{17}u_1^{13})x_8^2-$$
$$2048u_3^{19}u_1^{11}x_8x_6x_5x_4 - 4096u_3^{18}u_1^{12}x_8x_5x_4^2+$$
$$(-512u_5u_3^{21}u_1^9 + 2048u_5u_3^{19}u_1^{11})x_8x_5x_4+$$
$$(512u_6u_3^{21}u_1^9 - 8192u_6u_3^{17}u_1^{13})x_8x_4^2+$$
$$(512u_6u_3^{20}u_1^9 + 2048u_6u_3^{18}u_1^{11})x_5x_4^2x_2+$$
$$(-256u_6u_3^{22}u_1^8 - 1024u_6u_3^{20}u_1^{10})x_5x_4^2+$$
$$(-256u_6u_5u_3^{21}u_1^8 - 1024u_5u_3^{20}u_1^{10})x_5x_4x_2 + 512u_5u_3^{22}u_1^9x_5x_4+$$
$$(256u_6^2u_3^{21}u_1^8 + 1024u_6^2u_3^{19}u_1^{10})x_4^2x_2+$$
$$512u_6^2u_5u_3^{20}u_1^9x_4x_2 - 256u_6^2u_5u_3^{22}u_1^8x_4$$

Reduced to zero.

247. Creating S-polynomial from the pair (p_3, p_{53}).

Skipping pair p_3 and p_{53} because gcd of their leading monoms is zero.

248. Creating S-polynomial from the pair (p_3, p_{54}).

Skipping pair p_3 and p_{54} because gcd of their leading monoms is zero.

249. Creating S-polynomial from the pair (p_3, p_{55}).

Skipping pair p_3 and p_{55} because gcd of their leading monoms is zero.

250. Creating S-polynomial from the pair (p_3, p_{56}).

Skipping pair p_3 and p_{56} because gcd of their leading monoms is zero.

251. Creating S-polynomial from the pair (p_3, p_{57}).

Forming S-pol of p_3 and p_{57}: Polynomial too big for output (text size is 1019 characters, number of terms is 14)

Reduced to zero.

252. Creating S-polynomial from the pair (p_3, p_{58}).

Skipping pair p_3 and p_{58} because gcd of their leading monoms is zero.

253. Creating S-polynomial from the pair (p_3, p_{59}).

Skipping pair p_3 and p_{59} because gcd of their leading monoms is zero.

254. Creating S-polynomial from the pair (p_3, p_{60}).

Skipping pair p_3 and p_{60} because gcd of their leading monoms is zero.

255. Creating S-polynomial from the pair (p_3, p_{61}).

Skipping pair p_3 and p_{61} because gcd of their leading monoms is zero.

256. Creating S-polynomial from the pair (p_3, p_{62}).

Forming S-pol of p_3 and p_{62}:

$$p_{291} = (4096u_2^{19}u_1^{12} + 16384u_2^{17}u_1^{14})x_{12}^2x_4+$$
$$(-2048u_5^2u_2^{19}u_1^{11} - 8192u_5^2u_2^{17}u_1^{13})x_{12}^2-$$
$$2048u_2^{19}u_1^{11}x_{12}x_{10}x_5x_4 - 4096u_2^{18}u_1^{12}x_{12}x_5x_4^2+$$
$$(-512u_5u_2^{21}u_1^9 + 2048u_5u_2^{19}u_1^{11})x_{12}x_5x_4+$$
$$(512u_6u_2^{21}u_1^9 - 8192u_6u_2^{17}u_1^{13})x_{12}x_4^2+$$
$$(512u_6u_2^{20}u_1^9 + 2048u_6u_2^{18}u_1^{11})x_5x_4^2x_1+$$
$$(-256u_6u_2^{22}u_1^8 - 1024u_6u_2^{20}u_1^{10})x_5x_4^2+$$
$$(-256u_6u_5u_2^{21}u_1^8 - 1024u_5u_2^{20}u_1^{10})x_5x_4x_1 + 512u_5u_2^{22}u_1^9x_5x_4+$$
$$(256u_6^2u_2^{21}u_1^8 + 1024u_6^2u_2^{19}u_1^{10})x_4^2x_1+$$
$$512u_6^2u_5u_2^{20}u_1^9x_4x_1 - 256u_6^2u_5u_2^{22}u_1^8x_4$$

Reduced to zero.

257. Creating S-polynomial from the pair (p_3, p_{63}).

Skipping pair p_3 and p_{63} because gcd of their leading monoms is zero.

258. Creating S-polynomial from the pair (p_3, p_{64}).

Skipping pair p_3 and p_{64} because gcd of their leading monoms is zero.

259. Creating S-polynomial from the pair (p_3, p_{65}).

Skipping pair p_3 and p_{65} because gcd of their leading monoms is zero.

260. Creating S-polynomial from the pair (p_3, p_{66}).

Skipping pair p_3 and p_{66} because gcd of their leading monoms is zero.

261. Creating S-polynomial from the pair (p_3, p_{67}).

Forming S-pol of p_3 and p_{67}: Polynomial too big for output (text size is 1019 characters, number of terms is 14)

Reduced to zero.

262. Creating S-polynomial from the pair (p_3, p_{68}).

Skipping pair p_3 and p_{68} because gcd of their leading monoms is zero.

263. Creating S-polynomial from the pair (p_3, p_{69}).
Skipping pair p_3 and p_{69} because gcd of their leading monoms is zero.

264. Creating S-polynomial from the pair (p_3, p_{70}).
Skipping pair p_3 and p_{70} because gcd of their leading monoms is zero.

265. Creating S-polynomial from the pair (p_3, p_{71}).
Skipping pair p_3 and p_{71} because gcd of their leading monoms is zero.

266. Creating S-polynomial from the pair (p_3, p_{72}).
Forming S-pol of p_3 and p_{72}:

$$p_{292} = (4096u_4^{19}u_1^{12} + 16384u_4^{17}u_1^{14})x_{16}^2x_4+$$
$$(-2048u_5^2u_4^{19}u_1^{11} - 8192u_5^2u_4^{17}u_1^{13})x_{16}^2-$$
$$2048u_4^{19}u_1^{11}x_{16}x_{14}x_5x_4 - 4096u_4^{18}u_1^{12}x_{16}x_5x_4^2+$$
$$(-512u_5u_4^{21}u_1^9 + 2048u_5u_4^{19}u_1^{11})x_{16}x_5x_4+$$
$$(512u_6u_4^{21}u_1^9 - 8192u_6u_4^{17}u_1^{13})x_{16}x_4^2+$$
$$(512u_6u_4^{20}u_1^9 + 2048u_6u_4^{18}u_1^{11})x_5x_4^2x_3+$$
$$(-256u_6u_4^{22}u_1^8 - 1024u_6u_4^{20}u_1^{10})x_5x_4^2+$$
$$(-256u_6u_5u_4^{21}u_1^8 - 1024u_5u_4^{20}u_1^{10})x_5x_4x_3 + 512u_5u_4^{22}u_1^9x_5x_4+$$
$$(256u_6^2u_4^{21}u_1^8 + 1024u_6^2u_4^{19}u_1^{10})x_4^2x_3+$$
$$512u_6^2u_5u_4^{20}u_1^9x_4x_3 - 256u_6^2u_5u_4^{22}u_1^8x_4$$

Reduced to zero.

267. Creating S-polynomial from the pair (p_3, p_{73}).
Skipping pair p_3 and p_{73} because gcd of their leading monoms is zero.

268. Creating S-polynomial from the pair (p_3, p_{74}).
Skipping pair p_3 and p_{74} because gcd of their leading monoms is zero.

269. Creating S-polynomial from the pair (p_3, p_{75}).
Skipping pair p_3 and p_{75} because gcd of their leading monoms is zero.

270. Creating S-polynomial from the pair (p_3, p_{76}).
Skipping pair p_3 and p_{76} because gcd of their leading monoms is zero.

271. Creating S-polynomial from the pair (p_3, p_{77}).
Skipping pair p_3 and p_{77} because gcd of their leading monoms is zero.

272. Creating S-polynomial from the pair (p_3, p_{78}).
Skipping pair p_3 and p_{78} because gcd of their leading monoms is zero.

273. Creating S-polynomial from the pair (p_3, p_{79}).
Forming S-pol of p_3 and p_{79}:

$$p_{293} = (1024u_2^{14}u_1^{10} - 2048u_2^{12}u_1^{11})x_{12}x_4+$$
$$(-512u_5^2u_2^{14}u_1^9 + 1024u_5^2u_2^{12}u_1^{10})x_{12} - 512u_2^{14}u_1^9x_{10}x_5x_4+$$
$$(2048u_2^{11}u_1^{11} - 1024u_2^{11}u_1^{10})x_5x_4^2x_1+$$
$$(-1024u_2^{13}u_1^{10} + 512u_2^{13}u_1^9)x_5x_4^2 - 256u_5u_2^{14}u_1^8x_5x_4x_1+$$
$$512u_5u_2^{14}u_1^9x_5x_4+$$
$$(256u_6u_2^{14}u_1^8 + 1024u_6u_2^{12}u_1^{10} - 512u_6u_2^{12}u_1^9)x_4^2x_1-$$
$$512u_6u_2^{14}u_1^9x_4^2$$

S-pol added.

274. Creating S-polynomial from the pair (p_3, p_{80}).
Skipping pair p_3 and p_{80} because gcd of their leading monoms is zero.

275. Creating S-polynomial from the pair (p_3, p_{81}).
Skipping pair p_3 and p_{81} because gcd of their leading monoms is zero.

276. Creating S-polynomial from the pair (p_3, p_{82}).
Skipping pair p_3 and p_{82} because gcd of their leading monoms is zero.

277. Creating S-polynomial from the pair (p_3, p_{83}).
Skipping pair p_3 and p_{83} because gcd of their leading monoms is zero.

278. Creating S-polynomial from the pair (p_3, p_{84}).
Skipping pair p_3 and p_{84} because gcd of their leading monoms is zero.

279. Creating S-polynomial from the pair (p_3, p_{85}).
Skipping pair p_3 and p_{85} because gcd of their leading monoms is zero.

280. Creating S-polynomial from the pair (p_3, p_{86}).
Forming S-pol of p_3 and p_{86}:

$$p_{294} = (1024u_3^{14}u_1^{10} - 2048u_3^{12}u_1^{11})x_8x_4+$$
$$(-512u_5^2u_3^{14}u_1^9 + 1024u_5^2u_3^{12}u_1^{10})x_8 - 512u_3^{14}u_1^9x_6x_5x_4+$$
$$(2048u_3^{11}u_1^{11} - 1024u_3^{11}u_1^{10})x_5x_4^2x_2+$$
$$(-1024u_3^{13}u_1^{10} + 512u_3^{13}u_1^9)x_5x_4^2 - 256u_5u_3^{14}u_1^8x_5x_4x_2+$$
$$512u_5u_3^{14}u_1^9x_5x_4+$$
$$(256u_6u_3^{14}u_1^8 + 1024u_6u_3^{12}u_1^{10} - 512u_6u_3^{12}u_1^9)x_4^2x_2-$$
$$512u_6u_3^{14}u_1^9x_4^2$$

S-pol added.

281. Creating S-polynomial from the pair (p_3, p_{87}).
Skipping pair p_3 and p_{87} because gcd of their leading monoms is zero.

282. Creating S-polynomial from the pair (p_3, p_{88}).
Skipping pair p_3 and p_{88} because gcd of their leading monoms is zero.

283. Creating S-polynomial from the pair (p_3, p_{89}).
Skipping pair p_3 and p_{89} because gcd of their leading monoms is zero.

284. Creating S-polynomial from the pair (p_3, p_{90}).
Skipping pair p_3 and p_{90} because gcd of their leading monoms is zero.

285. Creating S-polynomial from the pair (p_3, p_{91}).
Skipping pair p_3 and p_{91} because gcd of their leading monoms is zero.

286. Creating S-polynomial from the pair (p_3, p_{92}).
Skipping pair p_3 and p_{92} because gcd of their leading monoms is zero.

287. Creating S-polynomial from the pair (p_3, p_{93}).
Forming S-pol of p_3 and p_{93}:

$$p_{295} = (1024u_4^{14}u_1^{10} - 2048u_4^{12}u_1^{11})x_{16}x_4+$$
$$(-512u_5^2u_4^{14}u_1^9 + 1024u_5^2u_4^{12}u_1^{10})x_{16} - 512u_4^{14}u_1^9x_{14}x_5x_4+$$
$$(2048u_4^{11}u_1^{11} - 1024u_4^{11}u_1^{10})x_5x_4^2x_3+$$
$$(-1024u_4^{13}u_1^{10} + 512u_4^{13}u_1^9)x_5x_4^2 - 256u_5u_4^{14}u_1^8x_5x_4x_3+$$
$$512u_5u_4^{14}u_1^9x_5x_4+$$
$$(256u_6u_4^{14}u_1^8 + 1024u_6u_4^{12}u_1^{10} - 512u_6u_4^{12}u_1^9)x_4^2x_3-$$
$$512u_6u_4^{14}u_1^9x_4^2$$

S-pol added.

288. Creating S-polynomial from the pair (p_3, p_{94}).
Skipping pair p_3 and p_{94} because gcd of their leading monoms is zero.

289. Creating S-polynomial from the pair (p_3, p_{95}).
Forming S-pol of p_3 and p_{95}:

$$p_{296} = (262144u_5u_3^{17}u_1^{18} - 1048576u_3^{16}u_1^{20})x_8x_6x_4+$$
$$524288u_5^2u_3^{16}u_1^{19}x_8x_6 + (524288u_5u_3^{16}u_1^{19} + 524288u_3^{17}u_1^{19})x_8x_4^2+$$
$$(65536u_5^2u_3^{19}u_1^{16} - 262144u_5^2u_3^{17}u_1^{18})x_8x_4-$$
$$262144u_6u_3^{17}u_1^{18}x_6^2x_4 - 131072u_5u_3^{18}u_1^{17}x_6x_5x_4-$$
$$65536u_6u_5u_3^{19}u_1^{16}x_6x_4 - 131072u_5u_3^{17}u_1^{17}x_5x_4^2x_2-$$
$$32768u_5^2u_3^{20}u_1^{15}x_5x_4 - 65536u_6u_5u_3^{18}u_1^{16}x_4^2x_2+$$
$$(32768u_6u_5u_3^{20}u_1^{15} + 131072u_6u_3^{19}u_1^{17})x_4^2-$$
$$65536u_6u_5^2u_3^{19}u_1^{16}x_4$$

Reduced to zero.

290. Creating S-polynomial from the pair (p_3, p_{96}).
Forming S-pol of p_3 and p_{96}:

$$p_{297} = (32u_5u_3^4u_1^5 + 32u_3^5u_1^5)x_8x_4 - 16u_5^2u_3^5u_1^4x_8 -$$
$$16u_3^5u_1^4x_6x_5x_4 - 32u_6u_3^4u_1^5x_6x_4 - 8u_5u_3^5u_1^3x_5x_4x_2 +$$
$$8u_6u_3^5u_1^3x_4^2x_2$$

Reduced to zero.

291. Creating S-polynomial from the pair (p_3, p_{97}).
Forming S-pol of p_3 and p_{97}:

$$p_{298} = 512u_3^{13}u_1^9x_8x_4 - 256u_5^2u_3^{13}u_1^8x_8 - 256u_3^{13}u_1^8x_6x_5x_4 +$$
$$(1024u_3^{10}u_1^{10} - 512u_3^{10}u_1^9)x_5x_4^2x_2 - 512u_3^{12}u_1^9x_5x_4^2 -$$
$$128u_5u_3^{13}u_1^7x_5x_4x_2 + 256u_5u_3^{13}u_1^8x_5x_4 +$$
$$(128u_6u_3^{13}u_1^7 + 512u_6u_3^{11}u_1^9)x_4^2x_2 +$$
$$(-256u_6u_3^{13}u_1^8 - 512u_6u_3^{11}u_1^9)x_4^2$$

S-pol added.

292. Creating S-polynomial from the pair (p_3, p_{98}).
Skipping pair p_3 and p_{98} because gcd of their leading monoms is zero.

293. Creating S-polynomial from the pair (p_3, p_{99}).
Skipping pair p_3 and p_{99} because gcd of their leading monoms is zero.

294. Creating S-polynomial from the pair (p_3, p_{100}).
Forming S-pol of p_3 and p_{100}:

$$p_{299} = (262144u_5u_2^{17}u_1^{18} - 1048576u_2^{16}u_1^{20})x_{12}x_{10}x_4 +$$
$$524288u_5^2u_2^{16}u_1^{19}x_{12}x_{10} +$$
$$(524288u_5u_2^{16}u_1^{19} + 524288u_2^{17}u_1^{19})x_{12}x_4^2 +$$
$$(65536u_5^2u_2^{19}u_1^{16} - 262144u_5^2u_2^{17}u_1^{18})x_{12}x_4 -$$
$$262144u_6u_2^{17}u_1^{18}x_{10}^2x_4 - 131072u_5u_2^{18}u_1^{17}x_{10}x_5x_4 -$$
$$65536u_6u_5u_2^{19}u_1^{16}x_{10}x_4 - 131072u_5u_2^{17}u_1^{17}x_5x_4^2x_1 -$$
$$32768u_5^2u_2^{20}u_1^{15}x_5x_4 - 65536u_6u_5u_2^{18}u_1^{16}x_4^2x_1 +$$
$$(32768u_6u_5u_2^{20}u_1^{15} + 131072u_6u_2^{19}u_1^{17})x_4^2 -$$
$$65536u_6u_5^2u_2^{19}u_1^{16}x_4$$

Reduced to zero.

295. Creating S-polynomial from the pair (p_3, p_{101}).
Forming S-pol of p_3 and p_{101}:

$$p_{300} = (32u_5u_2^4u_1^5 + 32u_2^5u_1^5)x_{12}x_4 - 16u_5^2u_2^5u_1^4x_{12} -$$
$$16u_2^5u_1^4x_{10}x_5x_4 - 32u_6u_2^4u_1^5x_{10}x_4 - 8u_5u_2^5u_1^3x_5x_4x_1 +$$
$$8u_6u_2^5u_1^3x_4^2x_1$$

Reduced to zero.

296. Creating S-polynomial from the pair (p_3, p_{102}).
Forming S-pol of p_3 and p_{102}:

$$p_{301} = 512u_2^{13}u_1^9x_{12}x_4 - 256u_5^2u_2^{13}u_1^8x_{12} - 256u_2^{13}u_1^8x_{10}x_5x_4 +$$
$$(1024u_2^{10}u_1^{10} - 512u_2^{10}u_1^9)x_5x_4^2x_1 - 512u_2^{12}u_1^9x_5x_4^2 -$$
$$128u_5u_2^{13}u_1^7x_5x_4x_1 + 256u_5u_2^{13}u_1^8x_5x_4 +$$
$$(128u_6u_2^{13}u_1^7 + 512u_6u_2^{11}u_1^9)x_4^2x_1 +$$
$$(-256u_6u_2^{13}u_1^8 - 512u_6u_2^{11}u_1^9)x_4^2$$

S-pol added.

297. Creating S-polynomial from the pair (p_3, p_{103}).
Skipping pair p_3 and p_{103} because gcd of their leading monoms is zero.

298. Creating S-polynomial from the pair (p_3, p_{104}).
Forming S-pol of p_3 and p_{104}:

$$p_{302} = (262144u_5u_4^{17}u_1^{18} - 1048576u_4^{16}u_1^{20})x_{16}x_{14}x_4 +$$
$$524288u_5^2u_4^{16}u_1^{19}x_{16}x_{14} +$$
$$(524288u_5u_4^{16}u_1^{19} + 524288u_4^{17}u_1^{19})x_{16}x_4^2 +$$
$$(65536u_5^2u_4^{19}u_1^{16} - 262144u_5^2u_4^{17}u_1^{18})x_{16}x_4 -$$
$$262144u_6u_4^{17}u_1^{18}x_{14}^2x_4 - 131072u_5u_4^{18}u_1^{17}x_{14}x_5x_4 -$$
$$65536u_6u_5u_4^{19}u_1^{16}x_{14}x_4 - 131072u_5u_4^{17}u_1^{17}x_5x_4^2x_3 -$$
$$32768u_5^2u_4^{20}u_1^{15}x_5x_4 - 65536u_6u_5u_4^{18}u_1^{16}x_4^2x_3 +$$
$$(32768u_6u_5u_4^{20}u_1^{15} + 131072u_6u_4^{19}u_1^{17})x_4^2 -$$
$$65536u_6u_5^2u_4^{19}u_1^{16}x_4$$

Reduced to zero.

299. Creating S-polynomial from the pair (p_3, p_{105}).
Forming S-pol of p_3 and p_{105}:

$$p_{303} = (32u_5u_4^4u_1^5 + 32u_4^5u_1^5)x_{16}x_4 - 16u_5^2u_4^5u_1^4x_{16} -$$
$$16u_4^5u_1^4x_{14}x_5x_4 - 32u_6u_4^4u_1^5x_{14}x_4 - 8u_5u_4^5u_1^3x_5x_4x_3 +$$
$$8u_6u_4^5u_1^3x_4^2x_3$$

Reduced to zero.

300. Creating S-polynomial from the pair (p_3, p_{106}).

Forming S-pol of p_3 and p_{106}:

$$p_{304} = 512u_4^{13}u_1^9x_{16}x_4 - 256u_5^2u_4^{13}u_1^8x_{16} - 256u_4^{13}u_1^8x_{14}x_5x_4+$$
$$(1024u_4^{10}u_1^{10} - 512u_4^{10}u_1^9)x_5x_4^2x_3 - 512u_4^{12}u_1^9x_5x_4^2-$$
$$128u_5u_4^{13}u_1^7x_5x_4x_3 + 256u_5u_4^{13}u_1^8x_5x_4+$$
$$(128u_6u_4^{13}u_1^7 + 512u_6u_4^{11}u_1^9)x_4^2x_3+$$
$$(-256u_6u_4^{13}u_1^8 - 512u_6u_4^{11}u_1^9)x_4^2$$

S-pol added.

301. Creating S-polynomial from the pair (p_4, p_{32}).

Skipping pair p_4 and p_{32} because gcd of their leading monoms is zero.

302. Creating S-polynomial from the pair (p_4, p_{33}).

Skipping pair p_4 and p_{33} because gcd of their leading monoms is zero.

303. Creating S-polynomial from the pair (p_4, p_{34}).

Skipping pair p_4 and p_{34} because gcd of their leading monoms is zero.

304. Creating S-polynomial from the pair (p_4, p_{35}).

Skipping pair p_4 and p_{35} because gcd of their leading monoms is zero.

305. Creating S-polynomial from the pair (p_4, p_{36}).

Skipping pair p_4 and p_{36} because gcd of their leading monoms is zero.

306. Creating S-polynomial from the pair (p_4, p_{37}).

Skipping pair p_4 and p_{37} because gcd of their leading monoms is zero.

307. Creating S-polynomial from the pair (p_4, p_{38}).

Skipping pair p_4 and p_{38} because gcd of their leading monoms is zero.

308. Creating S-polynomial from the pair (p_4, p_{39}).

Skipping pair p_4 and p_{39} because gcd of their leading monoms is zero.

309. Creating S-polynomial from the pair (p_4, p_{40}).

Skipping pair p_4 and p_{40} because gcd of their leading monoms is zero.

310. Creating S-polynomial from the pair (p_4, p_{41}).

Skipping pair p_4 and p_{41} because gcd of their leading monoms is zero.

311. Creating S-polynomial from the pair (p_4, p_{42}).

Skipping pair p_4 and p_{42} because gcd of their leading monoms is zero.

312. Creating S-polynomial from the pair (p_4, p_{43}).

Skipping pair p_4 and p_{43} because gcd of their leading monoms is zero.

313. Creating S-polynomial from the pair (p_4, p_{44}).

Skipping pair p_4 and p_{44} because gcd of their leading monoms is zero.

314. Creating S-polynomial from the pair (p_4, p_{45}).
Skipping pair p_4 and p_{45} because gcd of their leading monoms is zero.

315. Creating S-polynomial from the pair (p_4, p_{46}).
Skipping pair p_4 and p_{46} because gcd of their leading monoms is zero.

316. Creating S-polynomial from the pair (p_4, p_{47}).
Skipping pair p_4 and p_{47} because gcd of their leading monoms is zero.

317. Creating S-polynomial from the pair (p_4, p_{48}).
Skipping pair p_4 and p_{48} because gcd of their leading monoms is zero.

318. Creating S-polynomial from the pair (p_4, p_{49}).
Skipping pair p_4 and p_{49} because gcd of their leading monoms is zero.

319. Creating S-polynomial from the pair (p_4, p_{50}).
Skipping pair p_4 and p_{50} because gcd of their leading monoms is zero.

320. Creating S-polynomial from the pair (p_4, p_{51}).
Skipping pair p_4 and p_{51} because gcd of their leading monoms is zero.

321. Creating S-polynomial from the pair (p_4, p_{52}).
Skipping pair p_4 and p_{52} because gcd of their leading monoms is zero.

322. Creating S-polynomial from the pair (p_4, p_{53}).
Skipping pair p_4 and p_{53} because gcd of their leading monoms is zero.

323. Creating S-polynomial from the pair (p_4, p_{54}).
Skipping pair p_4 and p_{54} because gcd of their leading monoms is zero.

324. Creating S-polynomial from the pair (p_4, p_{55}).
Skipping pair p_4 and p_{55} because gcd of their leading monoms is zero.

325. Creating S-polynomial from the pair (p_4, p_{56}).
Skipping pair p_4 and p_{56} because gcd of their leading monoms is zero.

326. Creating S-polynomial from the pair (p_4, p_{57}).
Skipping pair p_4 and p_{57} because gcd of their leading monoms is zero.

327. Creating S-polynomial from the pair (p_4, p_{58}).
Skipping pair p_4 and p_{58} because gcd of their leading monoms is zero.

328. Creating S-polynomial from the pair (p_4, p_{59}).
Skipping pair p_4 and p_{59} because gcd of their leading monoms is zero.

329. Creating S-polynomial from the pair (p_4, p_{60}).
Skipping pair p_4 and p_{60} because gcd of their leading monoms is zero.

330. Creating S-polynomial from the pair (p_4, p_{61}).
Skipping pair p_4 and p_{61} because gcd of their leading monoms is zero.

331. Creating S-polynomial from the pair (p_4, p_{62}).
Skipping pair p_4 and p_{62} because gcd of their leading monoms is zero.

332. Creating S-polynomial from the pair (p_4, p_{63}).
Skipping pair p_4 and p_{63} because gcd of their leading monoms is zero.

333. Creating S-polynomial from the pair (p_4, p_{64}).
Skipping pair p_4 and p_{64} because gcd of their leading monoms is zero.

334. Creating S-polynomial from the pair (p_4, p_{65}).
Skipping pair p_4 and p_{65} because gcd of their leading monoms is zero.

335. Creating S-polynomial from the pair (p_4, p_{66}).
Skipping pair p_4 and p_{66} because gcd of their leading monoms is zero.

336. Creating S-polynomial from the pair (p_4, p_{67}).
Skipping pair p_4 and p_{67} because gcd of their leading monoms is zero.

337. Creating S-polynomial from the pair (p_4, p_{68}).
Skipping pair p_4 and p_{68} because gcd of their leading monoms is zero.

338. Creating S-polynomial from the pair (p_4, p_{69}).
Skipping pair p_4 and p_{69} because gcd of their leading monoms is zero.

339. Creating S-polynomial from the pair (p_4, p_{70}).
Skipping pair p_4 and p_{70} because gcd of their leading monoms is zero.

340. Creating S-polynomial from the pair (p_4, p_{71}).
Skipping pair p_4 and p_{71} because gcd of their leading monoms is zero.

341. Creating S-polynomial from the pair (p_4, p_{72}).
Skipping pair p_4 and p_{72} because gcd of their leading monoms is zero.

342. Creating S-polynomial from the pair (p_4, p_{73}).
Skipping pair p_4 and p_{73} because gcd of their leading monoms is zero.

343. Creating S-polynomial from the pair (p_4, p_{74}).
Skipping pair p_4 and p_{74} because gcd of their leading monoms is zero.

344. Creating S-polynomial from the pair (p_4, p_{75}).
Skipping pair p_4 and p_{75} because gcd of their leading monoms is zero.

345. Creating S-polynomial from the pair (p_4, p_{76}).
Skipping pair p_4 and p_{76} because gcd of their leading monoms is zero.

346. Creating S-polynomial from the pair (p_4, p_{77}).
Skipping pair p_4 and p_{77} because gcd of their leading monoms is zero.

347. Creating S-polynomial from the pair (p_4, p_{78}).
Skipping pair p_4 and p_{78} because gcd of their leading monoms is zero.

348. Creating S-polynomial from the pair (p_4, p_{79}).
Skipping pair p_4 and p_{79} because gcd of their leading monoms is zero.

349. Creating S-polynomial from the pair (p_4, p_{80}).
Skipping pair p_4 and p_{80} because gcd of their leading monoms is zero.

350. Creating S-polynomial from the pair (p_4, p_{81}).
Skipping pair p_4 and p_{81} because gcd of their leading monoms is zero.

351. Creating S-polynomial from the pair (p_4, p_{82}).
Skipping pair p_4 and p_{82} because gcd of their leading monoms is zero.

352. Creating S-polynomial from the pair (p_4, p_{83}).
Skipping pair p_4 and p_{83} because gcd of their leading monoms is zero.

353. Creating S-polynomial from the pair (p_4, p_{84}).
Skipping pair p_4 and p_{84} because gcd of their leading monoms is zero.

354. Creating S-polynomial from the pair (p_4, p_{85}).
Skipping pair p_4 and p_{85} because gcd of their leading monoms is zero.

355. Creating S-polynomial from the pair (p_4, p_{86}).
Skipping pair p_4 and p_{86} because gcd of their leading monoms is zero.

356. Creating S-polynomial from the pair (p_4, p_{87}).
Skipping pair p_4 and p_{87} because gcd of their leading monoms is zero.

357. Creating S-polynomial from the pair (p_4, p_{88}).
Skipping pair p_4 and p_{88} because gcd of their leading monoms is zero.

358. Creating S-polynomial from the pair (p_4, p_{89}).
Skipping pair p_4 and p_{89} because gcd of their leading monoms is zero.

359. Creating S-polynomial from the pair (p_4, p_{90}).
Skipping pair p_4 and p_{90} because gcd of their leading monoms is zero.

360. Creating S-polynomial from the pair (p_4, p_{91}).
Skipping pair p_4 and p_{91} because gcd of their leading monoms is zero.

361. Creating S-polynomial from the pair (p_4, p_{92}).
Skipping pair p_4 and p_{92} because gcd of their leading monoms is zero.

362. Creating S-polynomial from the pair (p_4, p_{93}).
Skipping pair p_4 and p_{93} because gcd of their leading monoms is zero.

363. Creating S-polynomial from the pair (p_4, p_{94}).
Skipping pair p_4 and p_{94} because gcd of their leading monoms is zero.

364. Creating S-polynomial from the pair (p_4, p_{95}).
Skipping pair p_4 and p_{95} because gcd of their leading monoms is zero.

365. Creating S-polynomial from the pair (p_4, p_{96}).
Skipping pair p_4 and p_{96} because gcd of their leading monoms is zero.

366. Creating S-polynomial from the pair (p_4, p_{97}).
Skipping pair p_4 and p_{97} because gcd of their leading monoms is zero.

367. Creating S-polynomial from the pair (p_4, p_{98}).
Skipping pair p_4 and p_{98} because gcd of their leading monoms is zero.

368. Creating S-polynomial from the pair (p_4, p_{99}).
Skipping pair p_4 and p_{99} because gcd of their leading monoms is zero.

369. Creating S-polynomial from the pair (p_4, p_{100}).
Skipping pair p_4 and p_{100} because gcd of their leading monoms is zero.

370. Creating S-polynomial from the pair (p_4, p_{101}).
Skipping pair p_4 and p_{101} because gcd of their leading monoms is zero.

371. Creating S-polynomial from the pair (p_4, p_{102}).
Skipping pair p_4 and p_{102} because gcd of their leading monoms is zero.

372. Creating S-polynomial from the pair (p_4, p_{103}).
Skipping pair p_4 and p_{103} because gcd of their leading monoms is zero.

373. Creating S-polynomial from the pair (p_4, p_{104}).
Skipping pair p_4 and p_{104} because gcd of their leading monoms is zero.

374. Creating S-polynomial from the pair (p_4, p_{105}).
Skipping pair p_4 and p_{105} because gcd of their leading monoms is zero.

375. Creating S-polynomial from the pair (p_4, p_{106}).
Skipping pair p_4 and p_{106} because gcd of their leading monoms is zero.

376. Creating S-polynomial from the pair (p_5, p_{32}).
Skipping pair p_5 and p_{32} because gcd of their leading monoms is zero.

377. Creating S-polynomial from the pair (p_5, p_{33}).
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378. Creating S-polynomial from the pair (p_5, p_{34}).
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379. Creating S-polynomial from the pair (p_5, p_{35}).
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380. Creating S-polynomial from the pair (p_5, p_{36}).
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381. Creating S-polynomial from the pair (p_5, p_{37}).
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382. Creating S-polynomial from the pair (p_5, p_{38}).
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383. Creating S-polynomial from the pair (p_5, p_{39}).
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384. Creating S-polynomial from the pair (p_5, p_{40}).
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385. Creating S-polynomial from the pair (p_5, p_{41}).
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386. Creating S-polynomial from the pair (p_5, p_{42}).
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387. Creating S-polynomial from the pair (p_5, p_{43}).
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388. Creating S-polynomial from the pair (p_5, p_{44}).
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389. Creating S-polynomial from the pair (p_5, p_{45}).
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390. Creating S-polynomial from the pair (p_5, p_{46}).
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391. Creating S-polynomial from the pair (p_5, p_{47}).
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392. Creating S-polynomial from the pair (p_5, p_{48}).
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393. Creating S-polynomial from the pair (p_5, p_{49}).
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394. Creating S-polynomial from the pair (p_5, p_{50}).
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395. Creating S-polynomial from the pair (p_5, p_{51}).
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396. Creating S-polynomial from the pair (p_5, p_{52}).
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397. Creating S-polynomial from the pair (p_5, p_{53}).
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398. Creating S-polynomial from the pair (p_5, p_{54}).
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400. Creating S-polynomial from the pair (p_5, p_{56}).
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401. Creating S-polynomial from the pair (p_5, p_{57}).
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402. Creating S-polynomial from the pair (p_5, p_{58}).
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403. Creating S-polynomial from the pair (p_5, p_{59}).
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404. Creating S-polynomial from the pair (p_5, p_{60}).
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405. Creating S-polynomial from the pair (p_5, p_{61}).
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406. Creating S-polynomial from the pair (p_5, p_{62}).
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407. Creating S-polynomial from the pair (p_5, p_{63}).
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408. Creating S-polynomial from the pair (p_5, p_{64}).
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409. Creating S-polynomial from the pair (p_5, p_{65}).
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411. Creating S-polynomial from the pair (p_5, p_{67}).
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412. Creating S-polynomial from the pair (p_5, p_{68}).
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413. Creating S-polynomial from the pair (p_5, p_{69}).
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414. Creating S-polynomial from the pair (p_5, p_{70}).
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415. Creating S-polynomial from the pair (p_5, p_{71}).
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416. Creating S-polynomial from the pair (p_5, p_{72}).
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417. Creating S-polynomial from the pair (p_5, p_{73}).
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418. Creating S-polynomial from the pair (p_5, p_{74}).
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419. Creating S-polynomial from the pair (p_5, p_{75}).
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420. Creating S-polynomial from the pair (p_5, p_{76}).
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421. Creating S-polynomial from the pair (p_5, p_{77}).
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422. Creating S-polynomial from the pair (p_5, p_{78}).
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423. Creating S-polynomial from the pair (p_5, p_{79}).
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424. Creating S-polynomial from the pair (p_5, p_{80}).
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425. Creating S-polynomial from the pair (p_5, p_{81}).
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426. Creating S-polynomial from the pair (p_5, p_{82}).
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427. Creating S-polynomial from the pair (p_5, p_{83}).
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428. Creating S-polynomial from the pair (p_5, p_{84}).
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450. Creating S-polynomial from the pair (p_5, p_{106}).
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451. Creating S-polynomial from the pair (p_6, p_{32}).
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457. Creating S-polynomial from the pair (p_6, p_{38}).
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466. Creating S-polynomial from the pair (p_6, p_{47}).
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467. Creating S-polynomial from the pair (p_6, p_{48}).
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469. Creating S-polynomial from the pair (p_6, p_{50}).
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470. Creating S-polynomial from the pair (p_6, p_{51}).
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475. Creating S-polynomial from the pair (p_6, p_{56}).
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476. Creating S-polynomial from the pair (p_6, p_{57}).
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479. Creating S-polynomial from the pair (p_6, p_{60}).
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480. Creating S-polynomial from the pair (p_6, p_{61}).
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481. Creating S-polynomial from the pair (p_6, p_{62}).
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482. Creating S-polynomial from the pair (p_6, p_{63}).
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486. Creating S-polynomial from the pair (p_6, p_{67}).
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487. Creating S-polynomial from the pair (p_6, p_{68}).
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489. Creating S-polynomial from the pair (p_6, p_{70}).
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490. Creating S-polynomial from the pair (p_6, p_{71}).
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496. Creating S-polynomial from the pair (p_6, p_{77}).
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497. Creating S-polynomial from the pair (p_6, p_{78}).
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498. Creating S-polynomial from the pair (p_6, p_{79}).
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500. Creating S-polynomial from the pair (p_6, p_{81}).
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501. Creating S-polynomial from the pair (p_6, p_{82}).
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502. Creating S-polynomial from the pair (p_6, p_{83}).
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503. Creating S-polynomial from the pair (p_6, p_{84}).
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504. Creating S-polynomial from the pair (p_6, p_{85}).
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508. Creating S-polynomial from the pair (p_6, p_{89}).
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509. Creating S-polynomial from the pair (p_6, p_{90}).
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510. Creating S-polynomial from the pair (p_6, p_{91}).
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511. Creating S-polynomial from the pair (p_6, p_{92}).
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512. Creating S-polynomial from the pair (p_6, p_{93}).
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513. Creating S-polynomial from the pair (p_6, p_{94}).
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516. Creating S-polynomial from the pair (p_6, p_{97}).
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518. Creating S-polynomial from the pair (p_6, p_{99}).
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519. Creating S-polynomial from the pair (p_6, p_{100}).
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520. Creating S-polynomial from the pair (p_6, p_{101}).
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521. Creating S-polynomial from the pair (p_6, p_{102}).
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522. Creating S-polynomial from the pair (p_6, p_{103}).
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523. Creating S-polynomial from the pair (p_6, p_{104}).
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524. Creating S-polynomial from the pair (p_6, p_{105}).
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525. Creating S-polynomial from the pair (p_6, p_{106}).
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526. Creating S-polynomial from the pair (p_7, p_{32}).
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527. Creating S-polynomial from the pair (p_7, p_{33}).
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529. Creating S-polynomial from the pair (p_7, p_{35}).
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530. Creating S-polynomial from the pair (p_7, p_{36}).
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531. Creating S-polynomial from the pair (p_7, p_{37}).
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532. Creating S-polynomial from the pair (p_7, p_{38}).
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533. Creating S-polynomial from the pair (p_7, p_{39}).
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534. Creating S-polynomial from the pair (p_7, p_{40}).
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535. Creating S-polynomial from the pair (p_7, p_{41}).
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536. Creating S-polynomial from the pair (p_7, p_{42}).
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537. Creating S-polynomial from the pair (p_7, p_{43}).
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538. Creating S-polynomial from the pair (p_7, p_{44}).
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539. Creating S-polynomial from the pair (p_7, p_{45}).
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540. Creating S-polynomial from the pair (p_7, p_{46}).
Skipping pair p_7 and p_{46} because gcd of their leading monoms is zero.

541. Creating S-polynomial from the pair (p_7, p_{47}).
Skipping pair p_7 and p_{47} because gcd of their leading monoms is zero.

542. Creating S-polynomial from the pair (p_7, p_{48}).
Skipping pair p_7 and p_{48} because gcd of their leading monoms is zero.

543. Creating S-polynomial from the pair (p_7, p_{49}).
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544. Creating S-polynomial from the pair (p_7, p_{50}).
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713. Creating S-polynomial from the pair (p_9, p_{69}).
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882. Creating S-polynomial from the pair (p_{11}, p_{88}).
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883. Creating S-polynomial from the pair (p_{11}, p_{89}).
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884. Creating S-polynomial from the pair (p_{11}, p_{90}).
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885. Creating S-polynomial from the pair (p_{11}, p_{91}).
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886. Creating S-polynomial from the pair (p_{11}, p_{92}).
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887. Creating S-polynomial from the pair (p_{11}, p_{93}).
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888. Creating S-polynomial from the pair (p_{11}, p_{94}).
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889. Creating S-polynomial from the pair (p_{11}, p_{95}).
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890. Creating S-polynomial from the pair (p_{11}, p_{96}).
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891. Creating S-polynomial from the pair (p_{11}, p_{97}).
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892. Creating S-polynomial from the pair (p_{11}, p_{98}).
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893. Creating S-polynomial from the pair (p_{11}, p_{99}).
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894. Creating S-polynomial from the pair (p_{11}, p_{100}).
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895. Creating S-polynomial from the pair (p_{11}, p_{101}).
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896. Creating S-polynomial from the pair (p_{11}, p_{102}).
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897. Creating S-polynomial from the pair (p_{11}, p_{103}).
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898. Creating S-polynomial from the pair (p_{11}, p_{104}).
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899. Creating S-polynomial from the pair (p_{11}, p_{105}).
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900. Creating S-polynomial from the pair (p_{11}, p_{106}).
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901. Creating S-polynomial from the pair (p_{12}, p_{32}).
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902. Creating S-polynomial from the pair (p_{12}, p_{33}).
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903. Creating S-polynomial from the pair (p_{12}, p_{34}).
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904. Creating S-polynomial from the pair (p_{12}, p_{35}).
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905. Creating S-polynomial from the pair (p_{12}, p_{36}).
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906. Creating S-polynomial from the pair (p_{12}, p_{37}).
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907. Creating S-polynomial from the pair (p_{12}, p_{38}).
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908. Creating S-polynomial from the pair (p_{12}, p_{39}).
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909. Creating S-polynomial from the pair (p_{12}, p_{40}).
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910. Creating S-polynomial from the pair (p_{12}, p_{41}).
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911. Creating S-polynomial from the pair (p_{12}, p_{42}).
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912. Creating S-polynomial from the pair (p_{12}, p_{43}).
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913. Creating S-polynomial from the pair (p_{12}, p_{44}).
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914. Creating S-polynomial from the pair (p_{12}, p_{45}).
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915. Creating S-polynomial from the pair (p_{12}, p_{46}).
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916. Creating S-polynomial from the pair (p_{12}, p_{47}).
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918. Creating S-polynomial from the pair (p_{12}, p_{49}).
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920. Creating S-polynomial from the pair (p_{12}, p_{51}).
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936. Creating S-polynomial from the pair (p_{12}, p_{67}).
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937. Creating S-polynomial from the pair (p_{12}, p_{68}).
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938. Creating S-polynomial from the pair (p_{12}, p_{69}).
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1049. Creating S-polynomial from the pair (p_{13}, p_{105}).
Skipping pair p_{13} and p_{105} because gcd of their leading monoms is zero.

1050. Creating S-polynomial from the pair (p_{13}, p_{106}).
Skipping pair p_{13} and p_{106} because gcd of their leading monoms is zero.

1051. Creating S-polynomial from the pair (p_{14}, p_{32}).
Skipping pair p_{14} and p_{32} because gcd of their leading monoms is zero.

1052. Creating S-polynomial from the pair (p_{14}, p_{33}).
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1053. Creating S-polynomial from the pair (p_{14}, p_{34}).
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1054. Creating S-polynomial from the pair (p_{14}, p_{35}).
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1055. Creating S-polynomial from the pair (p_{14}, p_{36}).
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1056. Creating S-polynomial from the pair (p_{14}, p_{37}).
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1057. Creating S-polynomial from the pair (p_{14}, p_{38}).
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1058. Creating S-polynomial from the pair (p_{14}, p_{39}).
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1059. Creating S-polynomial from the pair (p_{14}, p_{40}).
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1060. Creating S-polynomial from the pair (p_{14}, p_{41}).
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1061. Creating S-polynomial from the pair (p_{14}, p_{42}).
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1062. Creating S-polynomial from the pair (p_{14}, p_{43}).
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1063. Creating S-polynomial from the pair (p_{14}, p_{44}).
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1064. Creating S-polynomial from the pair (p_{14}, p_{45}).
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1065. Creating S-polynomial from the pair (p_{14}, p_{46}).
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1066. Creating S-polynomial from the pair (p_{14}, p_{47}).
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1067. Creating S-polynomial from the pair (p_{14}, p_{48}).
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1068. Creating S-polynomial from the pair (p_{14}, p_{49}).
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1069. Creating S-polynomial from the pair (p_{14}, p_{50}).
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1070. Creating S-polynomial from the pair (p_{14}, p_{51}).
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1071. Creating S-polynomial from the pair (p_{14}, p_{52}).
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1075. Creating S-polynomial from the pair (p_{14}, p_{56}).
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1078. Creating S-polynomial from the pair (p_{14}, p_{59}).
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1079. Creating S-polynomial from the pair (p_{14}, p_{60}).
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1080. Creating S-polynomial from the pair (p_{14}, p_{61}).
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1081. Creating S-polynomial from the pair (p_{14}, p_{62}).
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1086. Creating S-polynomial from the pair (p_{14}, p_{67}).
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1087. Creating S-polynomial from the pair (p_{14}, p_{68}).
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1088. Creating S-polynomial from the pair (p_{14}, p_{69}).
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1089. Creating S-polynomial from the pair (p_{14}, p_{70}).
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1097. Creating S-polynomial from the pair (p_{14}, p_{78}).
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1098. Creating S-polynomial from the pair (p_{14}, p_{79}).
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1099. Creating S-polynomial from the pair (p_{14}, p_{80}).
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1101. Creating S-polynomial from the pair (p_{14}, p_{82}).
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1102. Creating S-polynomial from the pair (p_{14}, p_{83}).
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1103. Creating S-polynomial from the pair (p_{14}, p_{84}).
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1104. Creating S-polynomial from the pair (p_{14}, p_{85}).
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1105. Creating S-polynomial from the pair (p_{14}, p_{86}).
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1120. Creating S-polynomial from the pair (p_{14}, p_{101}).
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1121. Creating S-polynomial from the pair (p_{14}, p_{102}).
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1122. Creating S-polynomial from the pair (p_{14}, p_{103}).
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1123. Creating S-polynomial from the pair (p_{14}, p_{104}).
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1124. Creating S-polynomial from the pair (p_{14}, p_{105}).
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1125. Creating S-polynomial from the pair (p_{14}, p_{106}).
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1126. Creating S-polynomial from the pair (p_{15}, p_{32}).
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1177. Creating S-polynomial from the pair (p_{15}, p_{83}).
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1190. Creating S-polynomial from the pair (p_{15}, p_{96}).
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1191. Creating S-polynomial from the pair (p_{15}, p_{97}).
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1192. Creating S-polynomial from the pair (p_{15}, p_{98}).
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1196. Creating S-polynomial from the pair (p_{15}, p_{102}).
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1197. Creating S-polynomial from the pair (p_{15}, p_{103}).
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1198. Creating S-polynomial from the pair (p_{15}, p_{104}).
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1199. Creating S-polynomial from the pair (p_{15}, p_{105}).
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1200. Creating S-polynomial from the pair (p_{15}, p_{106}).
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1201. Creating S-polynomial from the pair (p_{16}, p_{32}).
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1207. Creating S-polynomial from the pair (p_{16}, p_{38}).
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1208. Creating S-polynomial from the pair (p_{16}, p_{39}).
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1209. Creating S-polynomial from the pair (p_{16}, p_{40}).
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1214. Creating S-polynomial from the pair (p_{16}, p_{45}).
Skipping pair p_{16} and p_{45} because gcd of their leading monoms is zero.

1215. Creating S-polynomial from the pair (p_{16}, p_{46}).
Skipping pair p_{16} and p_{46} because gcd of their leading monoms is zero.

1216. Creating S-polynomial from the pair (p_{16}, p_{47}).
Skipping pair p_{16} and p_{47} because gcd of their leading monoms is zero.

1217. Creating S-polynomial from the pair (p_{16}, p_{48}).
Skipping pair p_{16} and p_{48} because gcd of their leading monoms is zero.

1218. Creating S-polynomial from the pair (p_{16}, p_{49}).
Skipping pair p_{16} and p_{49} because gcd of their leading monoms is zero.

1219. Creating S-polynomial from the pair (p_{16}, p_{50}).
Skipping pair p_{16} and p_{50} because gcd of their leading monoms is zero.

1220. Creating S-polynomial from the pair (p_{16}, p_{51}).
Skipping pair p_{16} and p_{51} because gcd of their leading monoms is zero.

1221. Creating S-polynomial from the pair (p_{16}, p_{52}).
Skipping pair p_{16} and p_{52} because gcd of their leading monoms is zero.

1222. Creating S-polynomial from the pair (p_{16}, p_{53}).
Skipping pair p_{16} and p_{53} because gcd of their leading monoms is zero.

1223. Creating S-polynomial from the pair (p_{16}, p_{54}).
Skipping pair p_{16} and p_{54} because gcd of their leading monoms is zero.

1224. Creating S-polynomial from the pair (p_{16}, p_{55}).
Skipping pair p_{16} and p_{55} because gcd of their leading monoms is zero.

1225. Creating S-polynomial from the pair (p_{16}, p_{56}).
Skipping pair p_{16} and p_{56} because gcd of their leading monoms is zero.

1226. Creating S-polynomial from the pair (p_{16}, p_{57}).
Skipping pair p_{16} and p_{57} because gcd of their leading monoms is zero.

1227. Creating S-polynomial from the pair (p_{16}, p_{58}).
Skipping pair p_{16} and p_{58} because gcd of their leading monoms is zero.

1228. Creating S-polynomial from the pair (p_{16}, p_{59}).
Skipping pair p_{16} and p_{59} because gcd of their leading monoms is zero.

1229. Creating S-polynomial from the pair (p_{16}, p_{60}).
Skipping pair p_{16} and p_{60} because gcd of their leading monoms is zero.

1230. Creating S-polynomial from the pair (p_{16}, p_{61}).
Skipping pair p_{16} and p_{61} because gcd of their leading monoms is zero.

1231. Creating S-polynomial from the pair (p_{16}, p_{62}).
Skipping pair p_{16} and p_{62} because gcd of their leading monoms is zero.

1232. Creating S-polynomial from the pair (p_{16}, p_{63}).
Skipping pair p_{16} and p_{63} because gcd of their leading monoms is zero.

1233. Creating S-polynomial from the pair (p_{16}, p_{64}).
Skipping pair p_{16} and p_{64} because gcd of their leading monoms is zero.

1234. Creating S-polynomial from the pair (p_{16}, p_{65}).
Skipping pair p_{16} and p_{65} because gcd of their leading monoms is zero.

1235. Creating S-polynomial from the pair (p_{16}, p_{66}).
Skipping pair p_{16} and p_{66} because gcd of their leading monoms is zero.

1236. Creating S-polynomial from the pair (p_{16}, p_{67}).
Skipping pair p_{16} and p_{67} because gcd of their leading monoms is zero.

1237. Creating S-polynomial from the pair (p_{16}, p_{68}).
Skipping pair p_{16} and p_{68} because gcd of their leading monoms is zero.

1238. Creating S-polynomial from the pair (p_{16}, p_{69}).
Skipping pair p_{16} and p_{69} because gcd of their leading monoms is zero.

1239. Creating S-polynomial from the pair (p_{16}, p_{70}).
Skipping pair p_{16} and p_{70} because gcd of their leading monoms is zero.

1240. Creating S-polynomial from the pair (p_{16}, p_{71}).
Skipping pair p_{16} and p_{71} because gcd of their leading monoms is zero.

1241. Creating S-polynomial from the pair (p_{16}, p_{72}).
Skipping pair p_{16} and p_{72} because gcd of their leading monoms is zero.

1242. Creating S-polynomial from the pair (p_{16}, p_{73}).
Skipping pair p_{16} and p_{73} because gcd of their leading monoms is zero.

1243. Creating S-polynomial from the pair (p_{16}, p_{74}).
Skipping pair p_{16} and p_{74} because gcd of their leading monoms is zero.

1244. Creating S-polynomial from the pair (p_{16}, p_{75}).
Skipping pair p_{16} and p_{75} because gcd of their leading monoms is zero.

1245. Creating S-polynomial from the pair (p_{16}, p_{76}).
Skipping pair p_{16} and p_{76} because gcd of their leading monoms is zero.

1246. Creating S-polynomial from the pair (p_{16}, p_{77}).
Skipping pair p_{16} and p_{77} because gcd of their leading monoms is zero.

1247. Creating S-polynomial from the pair (p_{16}, p_{78}).
Skipping pair p_{16} and p_{78} because gcd of their leading monoms is zero.

1248. Creating S-polynomial from the pair (p_{16}, p_{79}).
Skipping pair p_{16} and p_{79} because gcd of their leading monoms is zero.

1249. Creating S-polynomial from the pair (p_{16}, p_{80}).
Skipping pair p_{16} and p_{80} because gcd of their leading monoms is zero.

1250. Creating S-polynomial from the pair (p_{16}, p_{81}).
Skipping pair p_{16} and p_{81} because gcd of their leading monoms is zero.

1251. Creating S-polynomial from the pair (p_{16}, p_{82}).
Skipping pair p_{16} and p_{82} because gcd of their leading monoms is zero.

1252. Creating S-polynomial from the pair (p_{16}, p_{83}).
Skipping pair p_{16} and p_{83} because gcd of their leading monoms is zero.

1253. Creating S-polynomial from the pair (p_{16}, p_{84}).
Skipping pair p_{16} and p_{84} because gcd of their leading monoms is zero.

1254. Creating S-polynomial from the pair (p_{16}, p_{85}).
Skipping pair p_{16} and p_{85} because gcd of their leading monoms is zero.

1255. Creating S-polynomial from the pair (p_{16}, p_{86}).
Skipping pair p_{16} and p_{86} because gcd of their leading monoms is zero.

1256. Creating S-polynomial from the pair (p_{16}, p_{87}).
Skipping pair p_{16} and p_{87} because gcd of their leading monoms is zero.

1257. Creating S-polynomial from the pair (p_{16}, p_{88}).
Skipping pair p_{16} and p_{88} because gcd of their leading monoms is zero.

1258. Creating S-polynomial from the pair (p_{16}, p_{89}).
Skipping pair p_{16} and p_{89} because gcd of their leading monoms is zero.

1259. Creating S-polynomial from the pair (p_{16}, p_{90}).
Skipping pair p_{16} and p_{90} because gcd of their leading monoms is zero.

1260. Creating S-polynomial from the pair (p_{16}, p_{91}).
Skipping pair p_{16} and p_{91} because gcd of their leading monoms is zero.

1261. Creating S-polynomial from the pair (p_{16}, p_{92}).
Skipping pair p_{16} and p_{92} because gcd of their leading monoms is zero.

1262. Creating S-polynomial from the pair (p_{16}, p_{93}).
Skipping pair p_{16} and p_{93} because gcd of their leading monoms is zero.

1263. Creating S-polynomial from the pair (p_{16}, p_{94}).
Skipping pair p_{16} and p_{94} because gcd of their leading monoms is zero.

1264. Creating S-polynomial from the pair (p_{16}, p_{95}).
Skipping pair p_{16} and p_{95} because gcd of their leading monoms is zero.

1265. Creating S-polynomial from the pair (p_{16}, p_{96}).
Skipping pair p_{16} and p_{96} because gcd of their leading monoms is zero.

1266. Creating S-polynomial from the pair (p_{16}, p_{97}).
Skipping pair p_{16} and p_{97} because gcd of their leading monoms is zero.

1267. Creating S-polynomial from the pair (p_{16}, p_{98}).
Skipping pair p_{16} and p_{98} because gcd of their leading monoms is zero.

1268. Creating S-polynomial from the pair (p_{16}, p_{99}).
Skipping pair p_{16} and p_{99} because gcd of their leading monoms is zero.

1269. Creating S-polynomial from the pair (p_{16}, p_{100}).
Skipping pair p_{16} and p_{100} because gcd of their leading monoms is zero.

1270. Creating S-polynomial from the pair (p_{16}, p_{101}).
Skipping pair p_{16} and p_{101} because gcd of their leading monoms is zero.

1271. Creating S-polynomial from the pair (p_{16}, p_{102}).
Skipping pair p_{16} and p_{102} because gcd of their leading monoms is zero.

1272. Creating S-polynomial from the pair (p_{16}, p_{103}).
Skipping pair p_{16} and p_{103} because gcd of their leading monoms is zero.

1273. Creating S-polynomial from the pair (p_{16}, p_{104}).
Skipping pair p_{16} and p_{104} because gcd of their leading monoms is zero.

1274. Creating S-polynomial from the pair (p_{16}, p_{105}).
Skipping pair p_{16} and p_{105} because gcd of their leading monoms is zero.

1275. Creating S-polynomial from the pair (p_{16}, p_{106}).
Skipping pair p_{16} and p_{106} because gcd of their leading monoms is zero.

1276. Creating S-polynomial from the pair (p_{17}, p_{32}).
Forming S-pol of p_{17} and p_{32}:

$$p_{305} = -8u_2^9u_1^3x_{10} + 4u_2^{10}u_1^2x_4 - 8u_5u_2^7u_1^3x_1^2 +$$
$$(-4u_5u_2^9u_1^2 + 16u_5u_2^7u_1^4)x_1$$

Reduced to zero.

1277. Creating S-polynomial from the pair (p_{17}, p_{33}).
Skipping pair p_{17} and p_{33} because gcd of their leading monoms is zero.

1278. Creating S-polynomial from the pair (p_{17}, p_{34}).
Skipping pair p_{17} and p_{34} because gcd of their leading monoms is zero.

1279. Creating S-polynomial from the pair (p_{17}, p_{35}).
Skipping pair p_{17} and p_{35} because gcd of their leading monoms is zero.

1280. Creating S-polynomial from the pair (p_{17}, p_{36}).
Skipping pair p_{17} and p_{36} because gcd of their leading monoms is zero.

1281. Creating S-polynomial from the pair (p_{17}, p_{37}).
Skipping pair p_{17} and p_{37} because gcd of their leading monoms is zero.

1282. Creating S-polynomial from the pair (p_{17}, p_{38}).
Skipping pair p_{17} and p_{38} because gcd of their leading monoms is zero.

1283. Creating S-polynomial from the pair (p_{17}, p_{39}).
Skipping pair p_{17} and p_{39} because gcd of their leading monoms is zero.

1284. Creating S-polynomial from the pair (p_{17}, p_{40}).
Skipping pair p_{17} and p_{40} because gcd of their leading monoms is zero.

1285. Creating S-polynomial from the pair (p_{17}, p_{41}).
Skipping pair p_{17} and p_{41} because gcd of their leading monoms is zero.

1286. Creating S-polynomial from the pair (p_{17}, p_{42}).
Skipping pair p_{17} and p_{42} because gcd of their leading monoms is zero.

1287. Creating S-polynomial from the pair (p_{17}, p_{43}).
Skipping pair p_{17} and p_{43} because gcd of their leading monoms is zero.

1288. Creating S-polynomial from the pair (p_{17}, p_{44}).
Skipping pair p_{17} and p_{44} because gcd of their leading monoms is zero.

1289. Creating S-polynomial from the pair (p_{17}, p_{45}).
Skipping pair p_{17} and p_{45} because gcd of their leading monoms is zero.

1290. Creating S-polynomial from the pair (p_{17}, p_{46}).
Skipping pair p_{17} and p_{46} because gcd of their leading monoms is zero.

1291. Creating S-polynomial from the pair (p_{17}, p_{47}).
Skipping pair p_{17} and p_{47} because gcd of their leading monoms is zero.

1292. Creating S-polynomial from the pair (p_{17}, p_{48}).
Skipping pair p_{17} and p_{48} because gcd of their leading monoms is zero.

1293. Creating S-polynomial from the pair (p_{17}, p_{49}).
Skipping pair p_{17} and p_{49} because gcd of their leading monoms is zero.

1294. Creating S-polynomial from the pair (p_{17}, p_{50}).
Skipping pair p_{17} and p_{50} because gcd of their leading monoms is zero.

1295. Creating S-polynomial from the pair (p_{17}, p_{51}).
Skipping pair p_{17} and p_{51} because gcd of their leading monoms is zero.

1296. Creating S-polynomial from the pair (p_{17}, p_{52}).
Skipping pair p_{17} and p_{52} because gcd of their leading monoms is zero.

1297. Creating S-polynomial from the pair (p_{17}, p_{53}).
Skipping pair p_{17} and p_{53} because gcd of their leading monoms is zero.

1298. Creating S-polynomial from the pair (p_{17}, p_{54}).

Forming S-pol of p_{17} and p_{54}:

$$p_{306} = (32u_2^{13}u_1^5 + 128u_2^{11}u_1^7)x_{10}^2 + (-16u_2^{14}u_1^4 - 64u_2^{12}u_1^6)x_{10}x_4 +$$
$$(32u_5u_2^{13}u_1^4 + 64u_5u_2^{11}u_1^6 - 256u_5u_2^9u_1^8)x_{10}x_1 +$$
$$(16u_5u_2^{12}u_1^4 + 64u_5u_2^{10}u_1^6)x_4x_1^2 +$$
$$(-8u_5u_2^{14}u_1^3 - 32u_5u_2^{12}u_1^5)x_4x_1 +$$
$$(8u_5^2u_2^{13}u_1^3 + 32u_5^2u_2^{11}u_1^5)x_1^2$$

Reduced to zero.

1299. Creating S-polynomial from the pair (p_{17}, p_{55}).

Forming S-pol of p_{17} and p_{55}:

$$p_{307} = (2048u_2^{16}u_1^{11} + 8192u_2^{14}u_1^{13})x_{12}x_{10} + 2048u_2^{15}u_1^{11}x_{12}x_4x_1 +$$
$$(-1024u_2^{17}u_1^{10} - 4096u_2^{15}u_1^{12})x_{12}x_4 +$$
$$(2048u_5u_2^{16}u_1^{10} + 4096u_5u_2^{14}u_1^{12} - 16384u_5u_2^{12}u_1^{14})x_{12}x_1 -$$
$$2048u_2^{15}u_1^{11}x_{10}x_5x_1 + 4096u_5u_2^{13}u_1^{12}x_5x_1^2 -$$
$$512u_5u_2^{17}u_1^9x_5x_1 + 1024u_6u_2^{15}u_1^{10}x_4x_1^2 -$$
$$2048u_6u_2^{15}u_1^{11}x_4x_1 + (512u_6u_5u_2^{16}u_1^9 + 2048u_6u_5u_2^{14}u_1^{11})x_1^2$$

Reduced to zero.

1300. Creating S-polynomial from the pair (p_{17}, p_{56}).

Forming S-pol of p_{17} and p_{56}:

$$p_{308} = -16u_2^7u_1^4x_{10}^2 + 8u_2^8u_1^3x_{10}x_4 +$$
$$(-16u_5u_2^7u_1^3 + 32u_5u_2^5u_1^5)x_{10}x_1 - 8u_5u_2^6u_1^3x_4x_1^2 +$$
$$4u_5u_2^8u_1^2x_4x_1 - 4u_5^2u_2^7u_1^2x_1^2$$

Reduced to zero.

1301. Creating S-polynomial from the pair (p_{17}, p_{57}).

Forming S-pol of p_{17} and p_{57}: Polynomial too big for output (text size is 1127 characters, number of terms is 15)

Reduced to zero.

1302. Creating S-polynomial from the pair (p_{17}, p_{58}).

Forming S-pol of p_{17} and p_{58}:

$$p_{309} = -256u_2^9u_1^8x_{12}x_{10} + 128u_2^{10}u_1^7x_{12}x_4 +$$
$$(-128u_5u_2^9u_1^7 + 512u_5u_2^7u_1^9)x_{12}x_1 - 128u_6u_2^9u_1^7x_{10}x_1 -$$
$$128u_5u_2^8u_1^7x_5x_1^2 + 64u_6u_2^{10}u_1^6x_4x_1 - 64u_6u_5u_2^9u_1^6x_1^2$$

Reduced to zero.

1303. Creating S-polynomial from the pair (p_{17}, p_{59}).

Forming S-pol of p_{17} and p_{59}:

$$p_{310} = (512u_2^{15}u_1^9 + 2048u_2^{13}u_1^{11})x_{12}x_{10} + 2048u_2^{12}u_1^{11}x_{12}x_4x_1 +$$
$$(-256u_2^{16}u_1^8 - 1024u_2^{14}u_1^{10})x_{12}x_4 +$$
$$(512u_5u_2^{15}u_1^8 + 1024u_5u_2^{13}u_1^{10})x_{12}x_1 - 2048u_2^{12}u_1^{11}x_{10}x_5x_1 -$$
$$4096u_6u_2^{11}u_1^{12}x_{10}x_1 + 256u_5u_2^{14}u_1^8x_5x_1^2 +$$
$$(-128u_5u_2^{16}u_1^7 - 512u_5u_2^{14}u_1^9)x_5x_1 + 1024u_6u_2^{12}u_1^{10}x_4x_1^2 +$$
$$(128u_6u_5u_2^{15}u_1^7 + 512u_6u_5u_2^{13}u_1^9)x_1^2$$

Reduced to zero.

1304. Creating S-polynomial from the pair (p_{17}, p_{60}).

Skipping pair p_{17} and p_{60} because gcd of their leading monoms is zero.

1305. Creating S-polynomial from the pair (p_{17}, p_{61}).

Forming S-pol of p_{17} and p_{61}:

$$p_{311} = -256u_2^9u_1^8x_{12}x_{10} - 256u_2^8u_1^8x_{12}x_4x_1 + 128u_2^{10}u_1^7x_{12}x_4 -$$
$$256u_5u_2^9u_1^7x_{12}x_1 + 256u_2^8u_1^8x_{10}x_5x_1 + 512u_6u_2^7u_1^9x_{10}x_1 +$$
$$64u_5u_2^{10}u_1^6x_5x_1 - 128u_6u_2^8u_1^7x_4x_1^2 - 64u_6u_5u_2^9u_1^6x_1^2$$

Reduced to zero.

1306. Creating S-polynomial from the pair (p_{17}, p_{62}).

Skipping pair p_{17} and p_{62} because gcd of their leading monoms is zero.

1307. Creating S-polynomial from the pair (p_{17}, p_{63}).

Skipping pair p_{17} and p_{63} because gcd of their leading monoms is zero.

1308. Creating S-polynomial from the pair (p_{17}, p_{64}).

Skipping pair p_{17} and p_{64} because gcd of their leading monoms is zero.

1309. Creating S-polynomial from the pair (p_{17}, p_{65}).

Skipping pair p_{17} and p_{65} because gcd of their leading monoms is zero.

1310. Creating S-polynomial from the pair (p_{17}, p_{66}).

Skipping pair p_{17} and p_{66} because gcd of their leading monoms is zero.

1311. Creating S-polynomial from the pair (p_{17}, p_{67}).

Skipping pair p_{17} and p_{67} because gcd of their leading monoms is zero.

1312. Creating S-polynomial from the pair (p_{17}, p_{68}).

Skipping pair p_{17} and p_{68} because gcd of their leading monoms is zero.

1313. Creating S-polynomial from the pair (p_{17}, p_{69}).

Skipping pair p_{17} and p_{69} because gcd of their leading monoms is zero.

1314. Creating S-polynomial from the pair (p_{17}, p_{70}).
Skipping pair p_{17} and p_{70} because gcd of their leading monoms is zero.

1315. Creating S-polynomial from the pair (p_{17}, p_{71}).
Skipping pair p_{17} and p_{71} because gcd of their leading monoms is zero.

1316. Creating S-polynomial from the pair (p_{17}, p_{72}).
Skipping pair p_{17} and p_{72} because gcd of their leading monoms is zero.

1317. Creating S-polynomial from the pair (p_{17}, p_{73}).
Skipping pair p_{17} and p_{73} because gcd of their leading monoms is zero.

1318. Creating S-polynomial from the pair (p_{17}, p_{74}).
Skipping pair p_{17} and p_{74} because gcd of their leading monoms is zero.

1319. Creating S-polynomial from the pair (p_{17}, p_{75}).
Forming S-pol of p_{17} and p_{75}:

$$p_{312} = -16u_2^9u_1^4x_{10} + 8u_2^{10}u_1^3x_4 - 16u_5u_2^7u_1^4x_1^2+$$
$$(-8u_5u_2^9u_1^3 + 32u_5u_2^7u_1^5)x_1$$

Reduced to zero.

1320. Creating S-polynomial from the pair (p_{17}, p_{76}).
Forming S-pol of p_{17} and p_{76}:

$$p_{313} = -1048576u_5u_2^{21}u_1^{20}x_{12}x_{10} - 2097152u_5u_2^{20}u_1^{20}x_{12}x_4x_1+$$
$$524288u_5u_2^{22}u_1^{19}x_{12}x_4 - 1048576u_5^2u_2^{21}u_1^{19}x_{12}x_1+$$
$$2097152u_6u_2^{19}u_1^{21}x_{10}^2x_1 + 1048576u_5u_2^{20}u_1^{20}x_{10}x_5x_1+$$
$$524288u_6u_5u_2^{21}u_1^{19}x_{10}x_1 + 524288u_5u_2^{21}u_1^{19}x_5x_4x_1+$$
$$262144u_5^2u_2^{22}u_1^{18}x_5x_1+$$
$$(-262144u_6u_5u_2^{22}u_1^{18} - 1048576u_6u_2^{21}u_1^{20})x_4x_1+$$
$$524288u_6u_5^2u_2^{21}u_1^{19}x_1$$

Reduced to zero.

1321. Creating S-polynomial from the pair (p_{17}, p_{77}).
Forming S-pol of p_{17} and p_{77}:

$$p_{314} = -512u_2^9u_1^9x_{12}x_{10} - 512u_2^8u_1^9x_{12}x_4x_1 + 256u_2^{10}u_1^8x_{12}x_4-$$
$$512u_5u_2^9u_1^8x_{12}x_1 + 512u_2^8u_1^9x_{10}x_5x_1 + 1024u_6u_2^7u_1^{10}x_{10}x_1+$$
$$128u_5u_2^{10}u_1^7x_5x_1 - 256u_6u_2^8u_1^8x_4x_1^2 - 128u_6u_5u_2^9u_1^7x_1^2$$

Reduced to zero.

1322. Creating S-polynomial from the pair (p_{17}, p_{78}).
Forming S-pol of p_{17} and p_{78}:

$$p_{315} = -512u_2^9u_1^9x_{12}x_{10} + 256u_2^{10}u_1^8x_{12}x_4 +$$
$$(-256u_5u_2^9u_1^8 + 1024u_5u_2^7u_1^{10})x_{12}x_1 - 256u_6u_2^9u_1^8x_{10}x_1 -$$
$$256u_5u_2^8u_1^8x_5x_1^2 + 128u_6u_2^{10}u_1^7x_4x_1 - 128u_6u_5u_2^9u_1^7x_1^2$$

Reduced to zero.

1323. Creating S-polynomial from the pair (p_{17}, p_{79}).
Skipping pair p_{17} and p_{79} because gcd of their leading monoms is zero.

1324. Creating S-polynomial from the pair (p_{17}, p_{80}).
Skipping pair p_{17} and p_{80} because gcd of their leading monoms is zero.

1325. Creating S-polynomial from the pair (p_{17}, p_{81}).
Skipping pair p_{17} and p_{81} because gcd of their leading monoms is zero.

1326. Creating S-polynomial from the pair (p_{17}, p_{82}).
Skipping pair p_{17} and p_{82} because gcd of their leading monoms is zero.

1327. Creating S-polynomial from the pair (p_{17}, p_{83}).
Skipping pair p_{17} and p_{83} because gcd of their leading monoms is zero.

1328. Creating S-polynomial from the pair (p_{17}, p_{84}).
Skipping pair p_{17} and p_{84} because gcd of their leading monoms is zero.

1329. Creating S-polynomial from the pair (p_{17}, p_{85}).
Skipping pair p_{17} and p_{85} because gcd of their leading monoms is zero.

1330. Creating S-polynomial from the pair (p_{17}, p_{86}).
Skipping pair p_{17} and p_{86} because gcd of their leading monoms is zero.

1331. Creating S-polynomial from the pair (p_{17}, p_{87}).
Skipping pair p_{17} and p_{87} because gcd of their leading monoms is zero.

1332. Creating S-polynomial from the pair (p_{17}, p_{88}).
Skipping pair p_{17} and p_{88} because gcd of their leading monoms is zero.

1333. Creating S-polynomial from the pair (p_{17}, p_{89}).
Skipping pair p_{17} and p_{89} because gcd of their leading monoms is zero.

1334. Creating S-polynomial from the pair (p_{17}, p_{90}).
Skipping pair p_{17} and p_{90} because gcd of their leading monoms is zero.

1335. Creating S-polynomial from the pair (p_{17}, p_{91}).
Skipping pair p_{17} and p_{91} because gcd of their leading monoms is zero.

1336. Creating S-polynomial from the pair (p_{17}, p_{92}).
Skipping pair p_{17} and p_{92} because gcd of their leading monoms is zero.

1337. Creating S-polynomial from the pair (p_{17}, p_{93}).
Skipping pair p_{17} and p_{93} because gcd of their leading monoms is zero.

1338. Creating S-polynomial from the pair (p_{17}, p_{94}).
Skipping pair p_{17} and p_{94} because gcd of their leading monoms is zero.

1339. Creating S-polynomial from the pair (p_{17}, p_{95}).
Skipping pair p_{17} and p_{95} because gcd of their leading monoms is zero.

1340. Creating S-polynomial from the pair (p_{17}, p_{96}).
Skipping pair p_{17} and p_{96} because gcd of their leading monoms is zero.

1341. Creating S-polynomial from the pair (p_{17}, p_{97}).
Skipping pair p_{17} and p_{97} because gcd of their leading monoms is zero.

1342. Creating S-polynomial from the pair (p_{17}, p_{98}).
Skipping pair p_{17} and p_{98} because gcd of their leading monoms is zero.

1343. Creating S-polynomial from the pair (p_{17}, p_{99}).
Skipping pair p_{17} and p_{99} because gcd of their leading monoms is zero.

1344. Creating S-polynomial from the pair (p_{17}, p_{100}).
Forming S-pol of p_{17} and p_{100}:

$$p_{316} = -1048576u_2^{19}u_1^{20}x_{12}x_{10}x_4 + 1048576u_5u_2^{18}u_1^{20}x_{12}x_{10}x_1 -$$
$$1048576u_2^{18}u_1^{20}x_{12}x_4^2x_1 + 524288u_2^{20}u_1^{19}x_{12}x_4^2 +$$
$$(-524288u_5u_2^{19}u_1^{19} + 2097152u_5u_2^{17}u_1^{21} + 2097152u_2^{18}u_1^{21})x_{12}x_4x_1 +$$
$$(262144u_5^2u_2^{20}u_1^{18} - 1048576u_5^2u_2^{18}u_1^{20})x_{12}x_1 -$$
$$1048576u_6u_2^{18}u_1^{20}x_{10}^2x_1 - 524288u_5u_2^{19}u_1^{19}x_{10}x_5x_1 -$$
$$262144u_6u_5u_2^{20}u_1^{18}x_{10}x_1 - 524288u_5u_2^{18}u_1^{19}x_5x_4x_1^2 -$$
$$131072u_5^2u_2^{21}u_1^{17}x_5x_1 - 262144u_6u_5u_2^{19}u_1^{18}x_4x_1^2 +$$
$$(131072u_6u_5u_2^{21}u_1^{17} + 524288u_6u_2^{20}u_1^{19})x_4x_1 -$$
$$262144u_6u_5^2u_2^{20}u_1^{18}x_1$$

Reduced to zero.

1345. Creating S-polynomial from the pair (p_{17}, p_{101}).
Skipping pair p_{17} and p_{101} because gcd of their leading monoms is zero.

1346. Creating S-polynomial from the pair (p_{17}, p_{102}).
Skipping pair p_{17} and p_{102} because gcd of their leading monoms is zero.

1347. Creating S-polynomial from the pair (p_{17}, p_{103}).
Skipping pair p_{17} and p_{103} because gcd of their leading monoms is zero.

1348. Creating S-polynomial from the pair (p_{17}, p_{104}).
Skipping pair p_{17} and p_{104} because gcd of their leading monoms is zero.

1349. Creating S-polynomial from the pair (p_{17}, p_{105}).
Skipping pair p_{17} and p_{105} because gcd of their leading monoms is zero.

1350. Creating S-polynomial from the pair (p_{17}, p_{106}).
Skipping pair p_{17} and p_{106} because gcd of their leading monoms is zero.

1351. Creating S-polynomial from the pair (p_{18}, p_{32}).
Skipping pair p_{18} and p_{32} because gcd of their leading monoms is zero.

1352. Creating S-polynomial from the pair (p_{18}, p_{33}).
Forming S-pol of p_{18} and p_{33}:

$$p_{317} = -8u_2^9u_1^3x_{12} + 4u_2^{10}u_1^2x_5 - 8u_6u_2^7u_1^3x_1^2 +$$
$$(-4u_6u_2^9u_1^2 + 16u_6u_2^7u_1^4)x_1$$

Reduced to zero.

1353. Creating S-polynomial from the pair (p_{18}, p_{34}).
Forming S-pol of p_{18} and p_{34}:

$$p_{318} = 256u_2^{16}u_1^8x_{12}x_4 - 512u_2^{14}u_1^9x_{10}x_5x_1 + 256u_2^{15}u_1^8x_5x_4x_1 -$$
$$128u_2^{17}u_1^7x_5x_4 - 256u_5u_2^{14}u_1^8x_5x_1^2 + 512u_5u_2^{14}u_1^9x_5x_1 +$$
$$256u_6u_2^{14}u_1^8x_4x_1^2 + (128u_6u_2^{16}u_1^7 - 512u_6u_2^{14}u_1^9)x_4x_1$$

Reduced to zero.

1354. Creating S-polynomial from the pair (p_{18}, p_{35}).
Skipping pair p_{18} and p_{35} because gcd of their leading monoms is zero.

1355. Creating S-polynomial from the pair (p_{18}, p_{36}).
Skipping pair p_{18} and p_{36} because gcd of their leading monoms is zero.

1356. Creating S-polynomial from the pair (p_{18}, p_{37}).
Skipping pair p_{18} and p_{37} because gcd of their leading monoms is zero.

1357. Creating S-polynomial from the pair (p_{18}, p_{38}).
Skipping pair p_{18} and p_{38} because gcd of their leading monoms is zero.

1358. Creating S-polynomial from the pair (p_{18}, p_{39}).
Skipping pair p_{18} and p_{39} because gcd of their leading monoms is zero.

1359. Creating S-polynomial from the pair (p_{18}, p_{40}).
Skipping pair p_{18} and p_{40} because gcd of their leading monoms is zero.

1360. Creating S-polynomial from the pair (p_{18}, p_{41}).
Skipping pair p_{18} and p_{41} because gcd of their leading monoms is zero.

1361. Creating S-polynomial from the pair (p_{18}, p_{42}).
Forming S-pol of p_{18} and p_{42}:

$$p_{319} = -256u_5u_2^{15}u_1^8x_{12}x_4 + 512u_6u_2^{13}u_1^9x_{10}x_4x_1+$$
$$128u_5u_2^{16}u_1^7x_5x_4+$$
$$(-128u_6u_5u_2^{15}u_1^7 - 512u_6u_2^{14}u_1^9)x_4x_1 + 256u_6u_5^2u_2^{14}u_1^8x_1$$

Reduced to zero.

1362. Creating S-polynomial from the pair (p_{18}, p_{43}).
Skipping pair p_{18} and p_{43} because gcd of their leading monoms is zero.

1363. Creating S-polynomial from the pair (p_{18}, p_{44}).
Skipping pair p_{18} and p_{44} because gcd of their leading monoms is zero.

1364. Creating S-polynomial from the pair (p_{18}, p_{45}).
Skipping pair p_{18} and p_{45} because gcd of their leading monoms is zero.

1365. Creating S-polynomial from the pair (p_{18}, p_{46}).
Skipping pair p_{18} and p_{46} because gcd of their leading monoms is zero.

1366. Creating S-polynomial from the pair (p_{18}, p_{47}).
Skipping pair p_{18} and p_{47} because gcd of their leading monoms is zero.

1367. Creating S-polynomial from the pair (p_{18}, p_{48}).
Skipping pair p_{18} and p_{48} because gcd of their leading monoms is zero.

1368. Creating S-polynomial from the pair (p_{18}, p_{49}).
Skipping pair p_{18} and p_{49} because gcd of their leading monoms is zero.

1369. Creating S-polynomial from the pair (p_{18}, p_{50}).
Skipping pair p_{18} and p_{50} because gcd of their leading monoms is zero.

1370. Creating S-polynomial from the pair (p_{18}, p_{51}).
Skipping pair p_{18} and p_{51} because gcd of their leading monoms is zero.

1371. Creating S-polynomial from the pair (p_{18}, p_{52}).
Skipping pair p_{18} and p_{52} because gcd of their leading monoms is zero.

1372. Creating S-polynomial from the pair (p_{18}, p_{53}).
Skipping pair p_{18} and p_{53} because gcd of their leading monoms is zero.

1373. Creating S-polynomial from the pair (p_{18}, p_{54}).
Skipping pair p_{18} and p_{54} because gcd of their leading monoms is zero.

1374. Creating S-polynomial from the pair (p_{18}, p_{55}).

Forming S-pol of p_{18} and p_{55}:

$$p_{320} = (2048u_2^{16}u_1^{11} + 8192u_2^{14}u_1^{13})x_{12}x_{10} - 8192u_2^{13}u_1^{13}x_{12}x_4x_1+$$
$$(1024u_5u_2^{16}u_1^{10} - 16384u_5u_2^{12}u_1^{14})x_{12}x_1 + 8192u_2^{13}u_1^{13}x_{10}x_5x_1+$$
$$(-1024u_2^{17}u_1^{10} - 4096u_2^{15}u_1^{12})x_{10}x_5+$$
$$(1024u_6u_2^{16}u_1^{10} + 4096u_6u_2^{14}u_1^{12})x_{10}x_1 + 4096u_5u_2^{13}u_1^{12}x_5x_1^2-$$
$$512u_5u_2^{17}u_1^9x_5x_1 + 1024u_6u_2^{15}u_1^{10}x_4x_1^2-$$
$$2048u_6u_2^{15}u_1^{11}x_4x_1 + (512u_6u_5u_2^{16}u_1^9 + 2048u_6u_5u_2^{14}u_1^{11})x_1^2$$

Reduced to zero.

1375. Creating S-polynomial from the pair (p_{18}, p_{56}).

Skipping pair p_{18} and p_{56} because gcd of their leading monoms is zero.

1376. Creating S-polynomial from the pair (p_{18}, p_{57}).

Forming S-pol of p_{18} and p_{57}: Polynomial too big for output (text size is 1178 characters, number of terms is 16)

Reduced to zero.

1377. Creating S-polynomial from the pair (p_{18}, p_{58}).

Forming S-pol of p_{18} and p_{58}:

$$p_{321} = -256u_2^9u_1^8x_{12}x_{10} + 256u_2^8u_1^8x_{12}x_4x_1 + 512u_5u_2^7u_1^9x_{12}x_1-$$
$$256u_2^8u_1^8x_{10}x_5x_1 + 128u_2^{10}u_1^7x_{10}x_5 - 256u_6u_2^9u_1^7x_{10}x_1-$$
$$128u_5u_2^8u_1^7x_5x_1^2 + 64u_6u_2^{10}u_1^6x_4x_1 - 64u_6u_5u_2^9u_1^6x_1^2$$

Reduced to zero.

1378. Creating S-polynomial from the pair (p_{18}, p_{59}).

Forming S-pol of p_{18} and p_{59}:

$$p_{322} = (512u_2^{15}u_1^9 + 2048u_2^{13}u_1^{11})x_{12}x_{10} - 512u_2^{14}u_1^9x_{12}x_4x_1+$$
$$256u_5u_2^{15}u_1^8x_{12}x_1 + 512u_2^{14}u_1^9x_{10}x_5x_1+$$
$$(-256u_2^{16}u_1^8 - 1024u_2^{14}u_1^{10})x_{10}x_5+$$
$$(256u_6u_2^{15}u_1^8 + 1024u_6u_2^{13}u_1^{10} - 4096u_6u_2^{11}u_1^{12})x_{10}x_1+$$
$$256u_5u_2^{14}u_1^8x_5x_1^2+$$
$$(-128u_5u_2^{16}u_1^7 - 512u_5u_2^{14}u_1^9)x_5x_1 + 1024u_6u_2^{12}u_1^{10}x_4x_1^2+$$
$$(128u_6u_5u_2^{15}u_1^7 + 512u_6u_5u_2^{13}u_1^9)x_1^2$$

Reduced to zero.

1379. Creating S-polynomial from the pair (p_{18}, p_{60}).

Forming S-pol of p_{18} and p_{60}:

$$p_{323} = (32u_2^{13}u_1^5 + 128u_2^{11}u_1^7)x_{12}^2 + (-16u_2^{14}u_1^4 - 64u_2^{12}u_1^6)x_{12}x_5 +$$
$$(32u_6u_2^{13}u_1^4 + 64u_6u_2^{11}u_1^6 - 256u_6u_2^9u_1^8)x_{12}x_1 +$$
$$(16u_6u_2^{12}u_1^4 + 64u_6u_2^{10}u_1^6)x_5x_1^2 +$$
$$(-8u_6u_2^{14}u_1^3 - 32u_6u_2^{12}u_1^5)x_5x_1 +$$
$$(8u_6^2u_2^{13}u_1^3 + 32u_6^2u_2^{11}u_1^5)x_1^2$$

Reduced to zero.

1380. Creating S-polynomial from the pair (p_{18}, p_{61}).

Forming S-pol of p_{18} and p_{61}:

$$p_{324} = -256u_2^9u_1^8x_{12}x_{10} - 128u_5u_2^9u_1^7x_{12}x_1 + 128u_2^{10}u_1^7x_{10}x_5 +$$
$$(-128u_6u_2^9u_1^7 + 512u_6u_2^7u_1^9)x_{10}x_1 + 64u_5u_2^{10}u_1^6x_5x_1 -$$
$$128u_6u_2^8u_1^7x_4x_1^2 - 64u_6u_5u_2^9u_1^6x_1^2$$

Reduced to zero.

1381. Creating S-polynomial from the pair (p_{18}, p_{62}).

Forming S-pol of p_{18} and p_{62}:

$$p_{325} = (4096u_2^{22}u_1^{12} + 16384u_2^{20}u_1^{14})x_{12}^2x_4 - 8192u_2^{20}u_1^{13}x_{12}x_{10}x_5x_1 +$$
$$4096u_2^{21}u_1^{12}x_{12}x_5x_4x_1 + (-2048u_2^{23}u_1^{11} - 8192u_2^{21}u_1^{13})x_{12}x_5x_4 +$$
$$(-2048u_5u_2^{22}u_1^{11} + 8192u_5u_2^{20}u_1^{13})x_{12}x_5x_1 +$$
$$(4096u_6u_2^{22}u_1^{11} + 8192u_6u_2^{20}u_1^{13} - 32768u_6u_2^{18}u_1^{15})x_{12}x_4x_1 +$$
$$(2048u_6u_2^{21}u_1^{11} + 8192u_6u_2^{19}u_1^{13})x_5x_4x_1^2 +$$
$$(-1024u_6u_2^{23}u_1^{10} - 4096u_6u_2^{21}u_1^{12})x_5x_4x_1 +$$
$$(-1024u_6u_5u_2^{22}u_1^{10} - 4096u_5u_2^{21}u_1^{12})x_5x_1^2 + 2048u_5u_2^{23}u_1^{11}x_5x_1 +$$
$$(1024u_6^2u_2^{22}u_1^{10} + 4096u_6^2u_2^{20}u_1^{12})x_4x_1^2 +$$
$$2048u_6^2u_5u_2^{21}u_1^{11}x_1^2 - 1024u_6^2u_5u_2^{23}u_1^{10}x_1$$

Reduced to zero.

1382. Creating S-polynomial from the pair (p_{18}, p_{63}).

Forming S-pol of p_{18} and p_{63}:

$$p_{326} = -16u_2^7u_1^4x_{12}^2 + 8u_2^8u_1^3x_{12}x_5 +$$
$$(-16u_6u_2^7u_1^3 + 32u_6u_2^5u_1^5)x_{12}x_1 - 8u_6u_2^6u_1^3x_5x_1^2 +$$
$$4u_6u_2^8u_1^2x_5x_1 - 4u_6^2u_2^7u_1^2x_1^2$$

Reduced to zero.

1383. Creating S-polynomial from the pair (p_{18}, p_{64}).
Skipping pair p_{18} and p_{64} because gcd of their leading monoms is zero.

1384. Creating S-polynomial from the pair (p_{18}, p_{65}).
Skipping pair p_{18} and p_{65} because gcd of their leading monoms is zero.

1385. Creating S-polynomial from the pair (p_{18}, p_{66}).
Skipping pair p_{18} and p_{66} because gcd of their leading monoms is zero.

1386. Creating S-polynomial from the pair (p_{18}, p_{67}).
Skipping pair p_{18} and p_{67} because gcd of their leading monoms is zero.

1387. Creating S-polynomial from the pair (p_{18}, p_{68}).
Skipping pair p_{18} and p_{68} because gcd of their leading monoms is zero.

1388. Creating S-polynomial from the pair (p_{18}, p_{69}).
Skipping pair p_{18} and p_{69} because gcd of their leading monoms is zero.

1389. Creating S-polynomial from the pair (p_{18}, p_{70}).
Skipping pair p_{18} and p_{70} because gcd of their leading monoms is zero.

1390. Creating S-polynomial from the pair (p_{18}, p_{71}).
Skipping pair p_{18} and p_{71} because gcd of their leading monoms is zero.

1391. Creating S-polynomial from the pair (p_{18}, p_{72}).
Skipping pair p_{18} and p_{72} because gcd of their leading monoms is zero.

1392. Creating S-polynomial from the pair (p_{18}, p_{73}).
Skipping pair p_{18} and p_{73} because gcd of their leading monoms is zero.

1393. Creating S-polynomial from the pair (p_{18}, p_{74}).
Forming S-pol of p_{18} and p_{74}:

$$p_{327} = 1024u_5u_2^{13}u_1^{10}x_{12} - 2048u_6u_2^{11}u_1^{11}x_{10}x_1 - 512u_5u_2^{14}u_1^{9}x_5 + 1024u_6u_2^{12}u_1^{10}x_4x_1 + 512u_6u_5u_2^{13}u_1^{9}x_1$$

Reduced to zero.

1394. Creating S-polynomial from the pair (p_{18}, p_{75}).
Skipping pair p_{18} and p_{75} because gcd of their leading monoms is zero.

1395. Creating S-polynomial from the pair (p_{18}, p_{76}).
Forming S-pol of p_{18} and p_{76}:

$$p_{328} = -1048576u_5u_2^{21}u_1^{20}x_{12}x_{10} - 1048576u_5u_2^{20}u_1^{20}x_{12}x_4x_1 - 524288u_5^2u_2^{21}u_1^{19}x_{12}x_1 + 2097152u_6u_2^{19}u_1^{21}x_{10}^2x_1 + 524288u_5u_2^{22}u_1^{19}x_{10}x_5 + 524288u_5u_2^{21}u_1^{19}x_5x_4x_1 + 262144u_5^2u_2^{22}u_1^{18}x_5x_1 + (-262144u_6u_5u_2^{22}u_1^{18} - 1048576u_6u_2^{21}u_1^{20})x_4x_1 + 524288u_6u_5^2u_2^{21}u_1^{19}x_1$$

Reduced to zero.

1396. Creating S-polynomial from the pair (p_{18}, p_{77}).

Forming S-pol of p_{18} and p_{77}:

$$p_{329} = -512u_2^9u_1^9x_{12}x_{10} - 256u_5u_2^9u_1^8x_{12}x_1 + 256u_2^{10}u_1^8x_{10}x_5+$$
$$(-256u_6u_2^9u_1^8 + 1024u_6u_2^7u_1^{10})x_{10}x_1 + 128u_5u_2^{10}u_1^7x_5x_1-$$
$$256u_6u_2^8u_1^8x_4x_1^2 - 128u_6u_5u_2^9u_1^7x_1^2$$

Reduced to zero.

1397. Creating S-polynomial from the pair (p_{18}, p_{78}).

Forming S-pol of p_{18} and p_{78}:

$$p_{330} = -512u_2^9u_1^9x_{12}x_{10} + 512u_2^8u_1^9x_{12}x_4x_1 + 1024u_5u_2^7u_1^{10}x_{12}x_1-$$
$$512u_2^8u_1^9x_{10}x_5x_1 + 256u_2^{10}u_1^8x_{10}x_5 - 512u_6u_2^9u_1^8x_{10}x_1-$$
$$256u_5u_2^8u_1^8x_5x_1^2 + 128u_6u_2^{10}u_1^7x_4x_1 - 128u_6u_5u_2^9u_1^7x_1^2$$

Reduced to zero.

1398. Creating S-polynomial from the pair (p_{18}, p_{79}).

Forming S-pol of p_{18} and p_{79}:

$$p_{331} = (1024u_2^{17}u_1^{10} - 2048u_2^{15}u_1^{11})x_{12}x_4 - 2048u_2^{15}u_1^{11}x_{10}x_5x_1+$$
$$(8192u_2^{12}u_1^{13} - 4096u_2^{12}u_1^{12})x_5x_4x_1^2+$$
$$(1024u_2^{16}u_1^{10} - 4096u_2^{14}u_1^{12})x_5x_4x_1+$$
$$(-512u_2^{18}u_1^9 + 1024u_2^{16}u_1^{10})x_5x_4 - 1024u_5u_2^{15}u_1^{10}x_5x_1^2+$$
$$2048u_5u_2^{15}u_1^{11}x_5x_1+$$
$$(1024u_6u_2^{15}u_1^{10} + 4096u_6u_2^{13}u_1^{12} - 2048u_6u_2^{13}u_1^{11})x_4x_1^2+$$
$$(512u_6u_2^{17}u_1^9 - 2048u_6u_2^{15}u_1^{11} - 1024u_6u_2^{15}u_1^{10})x_4x_1$$

S-pol added.

1399. Creating S-polynomial from the pair (p_{18}, p_{80}).

Forming S-pol of p_{18} and p_{80}:

$$p_{332} = -16u_2^9u_1^4x_{12} + 8u_2^{10}u_1^3x_5 - 16u_6u_2^7u_1^4x_1^2+$$
$$(-8u_6u_2^9u_1^3 + 32u_6u_2^7u_1^5)x_1$$

Reduced to zero.

1400. Creating S-polynomial from the pair (p_{18}, p_{81}).

Skipping pair p_{18} and p_{81} because gcd of their leading monoms is zero.

1401. Creating S-polynomial from the pair (p_{18}, p_{82}).

Skipping pair p_{18} and p_{82} because gcd of their leading monoms is zero.

1402. Creating S-polynomial from the pair (p_{18}, p_{83}).

Skipping pair p_{18} and p_{83} because gcd of their leading monoms is zero.

1403. Creating S-polynomial from the pair (p_{18}, p_{84}).

Skipping pair p_{18} and p_{84} because gcd of their leading monoms is zero.

1404. Creating S-polynomial from the pair (p_{18}, p_{85}).

Skipping pair p_{18} and p_{85} because gcd of their leading monoms is zero.

1405. Creating S-polynomial from the pair (p_{18}, p_{86}).

Skipping pair p_{18} and p_{86} because gcd of their leading monoms is zero.

1406. Creating S-polynomial from the pair (p_{18}, p_{87}).

Skipping pair p_{18} and p_{87} because gcd of their leading monoms is zero.

1407. Creating S-polynomial from the pair (p_{18}, p_{88}).

Skipping pair p_{18} and p_{88} because gcd of their leading monoms is zero.

1408. Creating S-polynomial from the pair (p_{18}, p_{89}).

Skipping pair p_{18} and p_{89} because gcd of their leading monoms is zero.

1409. Creating S-polynomial from the pair (p_{18}, p_{90}).

Skipping pair p_{18} and p_{90} because gcd of their leading monoms is zero.

1410. Creating S-polynomial from the pair (p_{18}, p_{91}).

Skipping pair p_{18} and p_{91} because gcd of their leading monoms is zero.

1411. Creating S-polynomial from the pair (p_{18}, p_{92}).

Skipping pair p_{18} and p_{92} because gcd of their leading monoms is zero.

1412. Creating S-polynomial from the pair (p_{18}, p_{93}).

Skipping pair p_{18} and p_{93} because gcd of their leading monoms is zero.

1413. Creating S-polynomial from the pair (p_{18}, p_{94}).

Skipping pair p_{18} and p_{94} because gcd of their leading monoms is zero.

1414. Creating S-polynomial from the pair (p_{18}, p_{95}).

Skipping pair p_{18} and p_{95} because gcd of their leading monoms is zero.

1415. Creating S-polynomial from the pair (p_{18}, p_{96}).

Skipping pair p_{18} and p_{96} because gcd of their leading monoms is zero.

1416. Creating S-polynomial from the pair (p_{18}, p_{97}).

Skipping pair p_{18} and p_{97} because gcd of their leading monoms is zero.

1417. Creating S-polynomial from the pair (p_{18}, p_{98}).

Forming S-pol of p_{18} and p_{98}: Polynomial too big for output (text size is 2439 characters, number of terms is 29)

Reduced to zero.

1418. Creating S-polynomial from the pair (p_{18}, p_{99}).

Skipping pair p_{18} and p_{99} because gcd of their leading monoms is zero.

1419. Creating S-polynomial from the pair (p_{18}, p_{100}).

Forming S-pol of p_{18} and p_{100}:

$$p_{333} = -1048576u_2^{19}u_1^{20}x_{12}x_{10}x_4 + 1048576u_5u_2^{18}u_1^{20}x_{12}x_{10}x_1+$$
$$(2097152u_5u_2^{17}u_1^{21} + 2097152u_2^{18}u_1^{21})x_{12}x_4x_1+$$
$$(262144u_5^2u_2^{20}u_1^{18} - 1048576u_5^2u_2^{18}u_1^{20})x_{12}x_1-$$
$$1048576u_6u_2^{18}u_1^{20}x_{10}^2x_1 - 1048576u_2^{18}u_1^{20}x_{10}x_5x_4x_1+$$
$$524288u_2^{20}u_1^{19}x_{10}x_5x_4 - 524288u_5u_2^{19}u_1^{19}x_{10}x_5x_1-$$
$$524288u_6u_2^{19}u_1^{19}x_{10}x_4x_1 - 262144u_6u_5u_2^{20}u_1^{18}x_{10}x_1-$$
$$524288u_5u_2^{18}u_1^{19}x_5x_4x_1^2 - 131072u_5^2u_2^{21}u_1^{17}x_5x_1-$$
$$262144u_6u_5u_2^{19}u_1^{18}x_4x_1^2+$$
$$(131072u_6u_5u_2^{21}u_1^{17} + 524288u_6u_2^{20}u_1^{19})x_4x_1-$$
$$262144u_6u_5^2u_2^{20}u_1^{18}x_1$$

Reduced to zero.

1420. Creating S-polynomial from the pair (p_{18}, p_{101}).

Forming S-pol of p_{18} and p_{101}:

$$p_{334} = 32u_2^8u_1^5x_{12}x_4 + 128u_5u_2^5u_1^7x_{12}x_1 - 64u_2^6u_1^6x_{10}x_5x_1-$$
$$128u_6u_2^5u_1^7x_{10}x_1 + 32u_2^7u_1^5x_5x_4x_1 - 16u_2^9u_1^4x_5x_4-$$
$$32u_5u_2^6u_1^5x_5x_1^2 + 32u_6u_2^6u_1^5x_4x_1^2 + 16u_6u_2^8u_1^4x_4x_1$$

Reduced to zero.

1421. Creating S-polynomial from the pair (p_{18}, p_{102}).

Forming S-pol of p_{18} and p_{102}:

$$p_{335} = 512u_2^{16}u_1^9x_{12}x_4 - 1024u_2^{14}u_1^{10}x_{10}x_5x_1+$$
$$(4096u_2^{11}u_1^{12} - 2048u_2^{11}u_1^{11})x_5x_4x_1^2+$$
$$(512u_2^{15}u_1^9 - 2048u_2^{13}u_1^{11})x_5x_4x_1 - 256u_2^{17}u_1^8x_5x_4-$$
$$512u_5u_2^{14}u_1^9x_5x_1^2 + 1024u_5u_2^{14}u_1^{10}x_5x_1+$$
$$(512u_6u_2^{14}u_1^9 + 2048u_6u_2^{12}u_1^{11})x_4x_1^2+$$
$$(256u_6u_2^{16}u_1^8 - 1024u_6u_2^{14}u_1^{10} - 2048u_6u_2^{12}u_1^{11})x_4x_1$$

S-pol added.

1422. Creating S-polynomial from the pair (p_{18}, p_{103}).

Forming S-pol of p_{18} and p_{103}: Polynomial too big for output (text size is 2451 characters, number of terms is 29)

Reduced to zero.

1423. Creating S-polynomial from the pair (p_{18}, p_{104}).
Skipping pair p_{18} and p_{104} because gcd of their leading monoms is zero.

1424. Creating S-polynomial from the pair (p_{18}, p_{105}).
Skipping pair p_{18} and p_{105} because gcd of their leading monoms is zero.

1425. Creating S-polynomial from the pair (p_{18}, p_{106}).
Skipping pair p_{18} and p_{106} because gcd of their leading monoms is zero.

1426. Creating S-polynomial from the pair (p_{19}, p_{32}).
Skipping pair p_{19} and p_{32} because gcd of their leading monoms is zero.

1427. Creating S-polynomial from the pair (p_{19}, p_{33}).
Skipping pair p_{19} and p_{33} because gcd of their leading monoms is zero.

1428. Creating S-polynomial from the pair (p_{19}, p_{34}).
Skipping pair p_{19} and p_{34} because gcd of their leading monoms is zero.

1429. Creating S-polynomial from the pair (p_{19}, p_{35}).
Forming S-pol of p_{19} and p_{35}:

$$p_{336} = -8u_3^9u_1^3x_6 + 4u_3^{10}u_1^2x_4 - 8u_5u_3^7u_1^3x_2^2 +$$
$$(-4u_5u_3^9u_1^2 + 16u_5u_3^7u_1^4)x_2$$

Reduced to zero.

1430. Creating S-polynomial from the pair (p_{19}, p_{36}).
Skipping pair p_{19} and p_{36} because gcd of their leading monoms is zero.

1431. Creating S-polynomial from the pair (p_{19}, p_{37}).
Skipping pair p_{19} and p_{37} because gcd of their leading monoms is zero.

1432. Creating S-polynomial from the pair (p_{19}, p_{38}).
Skipping pair p_{19} and p_{38} because gcd of their leading monoms is zero.

1433. Creating S-polynomial from the pair (p_{19}, p_{39}).
Skipping pair p_{19} and p_{39} because gcd of their leading monoms is zero.

1434. Creating S-polynomial from the pair (p_{19}, p_{40}).
Skipping pair p_{19} and p_{40} because gcd of their leading monoms is zero.

1435. Creating S-polynomial from the pair (p_{19}, p_{41}).
Skipping pair p_{19} and p_{41} because gcd of their leading monoms is zero.

1436. Creating S-polynomial from the pair (p_{19}, p_{42}).
Skipping pair p_{19} and p_{42} because gcd of their leading monoms is zero.

1437. Creating S-polynomial from the pair (p_{19}, p_{43}).
Skipping pair p_{19} and p_{43} because gcd of their leading monoms is zero.

1438. Creating S-polynomial from the pair (p_{19}, p_{44}).

Forming S-pol of p_{19} and p_{44}:

$$p_{337} = (32u_3^{13}u_1^5 + 128u_3^{11}u_1^7)x_6^2 + (-16u_3^{14}u_1^4 - 64u_3^{12}u_1^6)x_6x_4+$$
$$(32u_5u_3^{13}u_1^4 + 64u_5u_3^{11}u_1^6 - 256u_5u_3^9u_1^8)x_6x_2+$$
$$(16u_5u_3^{12}u_1^4 + 64u_5u_3^{10}u_1^6)x_4x_2^2+$$
$$(-8u_5u_3^{14}u_1^3 - 32u_5u_3^{12}u_1^5)x_4x_2+$$
$$(8u_5^2u_3^{13}u_1^3 + 32u_5^2u_3^{11}u_1^5)x_2^2$$

Reduced to zero.

1439. Creating S-polynomial from the pair (p_{19}, p_{45}).

Forming S-pol of p_{19} and p_{45}:

$$p_{338} = (2048u_3^{16}u_1^{11} + 8192u_3^{14}u_1^{13})x_8x_6 + 2048u_3^{15}u_1^{11}x_8x_4x_2+$$
$$(-1024u_3^{17}u_1^{10} - 4096u_3^{15}u_1^{12})x_8x_4+$$
$$(2048u_5u_3^{16}u_1^{10} + 4096u_5u_3^{14}u_1^{12} - 16384u_5u_3^{12}u_1^{14})x_8x_2-$$
$$2048u_3^{15}u_1^{11}x_6x_5x_2 + 4096u_5u_3^{13}u_1^{12}x_5x_2^2-$$
$$512u_5u_3^{17}u_1^9x_5x_2 + 1024u_6u_3^{15}u_1^{10}x_4x_2^2-$$
$$2048u_6u_3^{15}u_1^{11}x_4x_2 + (512u_6u_5u_3^{16}u_1^9 + 2048u_6u_5u_3^{14}u_1^{11})x_2^2$$

Reduced to zero.

1440. Creating S-polynomial from the pair (p_{19}, p_{46}).

Forming S-pol of p_{19} and p_{46}:

$$p_{339} = -16u_3^7u_1^4x_6^2 + 8u_3^8u_1^3x_6x_4+$$
$$(-16u_5u_3^7u_1^3 + 32u_5u_3^5u_1^5)x_6x_2 - 8u_5u_3^6u_1^3x_4x_2^2+$$
$$4u_5u_3^8u_1^2x_4x_2 - 4u_5^2u_3^7u_1^2x_2^2$$

Reduced to zero.

1441. Creating S-polynomial from the pair (p_{19}, p_{47}).

Forming S-pol of p_{19} and p_{47}: Polynomial too big for output (text size is 1118 characters, number of terms is 15)

Reduced to zero.

1442. Creating S-polynomial from the pair (p_{19}, p_{48}).

Forming S-pol of p_{19} and p_{48}:

$$p_{340} = -256u_3^9u_1^8x_8x_6 + 128u_3^{10}u_1^7x_8x_4+$$
$$(-128u_5u_3^9u_1^7 + 512u_5u_3^7u_1^9)x_8x_2 - 128u_6u_3^9u_1^7x_6x_2-$$
$$128u_5u_3^8u_1^7x_5x_2^2 + 64u_6u_3^{10}u_1^6x_4x_2 - 64u_6u_5u_3^9u_1^6x_2^2$$

Reduced to zero.

1443. Creating S-polynomial from the pair (p_{19}, p_{49}).

Forming S-pol of p_{19} and p_{49}:

$$p_{341} = (512u_3^{15}u_1^9 + 2048u_3^{13}u_1^{11})x_8x_6 + 2048u_3^{12}u_1^{11}x_8x_4x_2+$$
$$(-256u_3^{16}u_1^8 - 1024u_3^{14}u_1^{10})x_8x_4+$$
$$(512u_5u_3^{15}u_1^8 + 1024u_5u_3^{13}u_1^{10})x_8x_2 - 2048u_3^{12}u_1^{11}x_6x_5x_2-$$
$$4096u_6u_3^{11}u_1^{12}x_6x_2 + 256u_5u_3^{14}u_1^8x_5x_2^2+$$
$$(-128u_5u_3^{16}u_1^7 - 512u_5u_3^{14}u_1^9)x_5x_2 + 1024u_6u_3^{12}u_1^{10}x_4x_2^2+$$
$$(128u_6u_5u_3^{15}u_1^7 + 512u_6u_5u_3^{13}u_1^9)x_2^2$$

Reduced to zero.

1444. Creating S-polynomial from the pair (p_{19}, p_{50}).

Skipping pair p_{19} and p_{50} because gcd of their leading monoms is zero.

1445. Creating S-polynomial from the pair (p_{19}, p_{51}).

Forming S-pol of p_{19} and p_{51}:

$$p_{342} = -256u_3^9u_1^8x_8x_6 - 256u_3^8u_1^8x_8x_4x_2 + 128u_3^{10}u_1^7x_8x_4-$$
$$256u_5u_3^9u_1^7x_8x_2 + 256u_3^8u_1^8x_6x_5x_2 + 512u_6u_3^7u_1^9x_6x_2+$$
$$64u_5u_3^{10}u_1^6x_5x_2 - 128u_6u_3^8u_1^7x_4x_2^2 - 64u_6u_5u_3^9u_1^6x_2^2$$

Reduced to zero.

1446. Creating S-polynomial from the pair (p_{19}, p_{52}).

Skipping pair p_{19} and p_{52} because gcd of their leading monoms is zero.

1447. Creating S-polynomial from the pair (p_{19}, p_{53}).

Skipping pair p_{19} and p_{53} because gcd of their leading monoms is zero.

1448. Creating S-polynomial from the pair (p_{19}, p_{54}).

Skipping pair p_{19} and p_{54} because gcd of their leading monoms is zero.

1449. Creating S-polynomial from the pair (p_{19}, p_{55}).

Skipping pair p_{19} and p_{55} because gcd of their leading monoms is zero.

1450. Creating S-polynomial from the pair (p_{19}, p_{56}).

Skipping pair p_{19} and p_{56} because gcd of their leading monoms is zero.

1451. Creating S-polynomial from the pair (p_{19}, p_{57}).

Skipping pair p_{19} and p_{57} because gcd of their leading monoms is zero.

1452. Creating S-polynomial from the pair (p_{19}, p_{58}).

Skipping pair p_{19} and p_{58} because gcd of their leading monoms is zero.

1453. Creating S-polynomial from the pair (p_{19}, p_{59}).

Skipping pair p_{19} and p_{59} because gcd of their leading monoms is zero.

1454. Creating S-polynomial from the pair (p_{19}, p_{60}).
Skipping pair p_{19} and p_{60} because gcd of their leading monoms is zero.

1455. Creating S-polynomial from the pair (p_{19}, p_{61}).
Skipping pair p_{19} and p_{61} because gcd of their leading monoms is zero.

1456. Creating S-polynomial from the pair (p_{19}, p_{62}).
Skipping pair p_{19} and p_{62} because gcd of their leading monoms is zero.

1457. Creating S-polynomial from the pair (p_{19}, p_{63}).
Skipping pair p_{19} and p_{63} because gcd of their leading monoms is zero.

1458. Creating S-polynomial from the pair (p_{19}, p_{64}).
Skipping pair p_{19} and p_{64} because gcd of their leading monoms is zero.

1459. Creating S-polynomial from the pair (p_{19}, p_{65}).
Skipping pair p_{19} and p_{65} because gcd of their leading monoms is zero.

1460. Creating S-polynomial from the pair (p_{19}, p_{66}).
Skipping pair p_{19} and p_{66} because gcd of their leading monoms is zero.

1461. Creating S-polynomial from the pair (p_{19}, p_{67}).
Skipping pair p_{19} and p_{67} because gcd of their leading monoms is zero.

1462. Creating S-polynomial from the pair (p_{19}, p_{68}).
Skipping pair p_{19} and p_{68} because gcd of their leading monoms is zero.

1463. Creating S-polynomial from the pair (p_{19}, p_{69}).
Skipping pair p_{19} and p_{69} because gcd of their leading monoms is zero.

1464. Creating S-polynomial from the pair (p_{19}, p_{70}).
Skipping pair p_{19} and p_{70} because gcd of their leading monoms is zero.

1465. Creating S-polynomial from the pair (p_{19}, p_{71}).
Skipping pair p_{19} and p_{71} because gcd of their leading monoms is zero.

1466. Creating S-polynomial from the pair (p_{19}, p_{72}).
Skipping pair p_{19} and p_{72} because gcd of their leading monoms is zero.

1467. Creating S-polynomial from the pair (p_{19}, p_{73}).
Skipping pair p_{19} and p_{73} because gcd of their leading monoms is zero.

1468. Creating S-polynomial from the pair (p_{19}, p_{74}).
Skipping pair p_{19} and p_{74} because gcd of their leading monoms is zero.

1469. Creating S-polynomial from the pair (p_{19}, p_{75}).
Skipping pair p_{19} and p_{75} because gcd of their leading monoms is zero.

1470. Creating S-polynomial from the pair (p_{19}, p_{76}).
Skipping pair p_{19} and p_{76} because gcd of their leading monoms is zero.

1471. Creating S-polynomial from the pair (p_{19}, p_{77}).
Skipping pair p_{19} and p_{77} because gcd of their leading monoms is zero.

1472. Creating S-polynomial from the pair (p_{19}, p_{78}).
Skipping pair p_{19} and p_{78} because gcd of their leading monoms is zero.

1473. Creating S-polynomial from the pair (p_{19}, p_{79}).
Skipping pair p_{19} and p_{79} because gcd of their leading monoms is zero.

1474. Creating S-polynomial from the pair (p_{19}, p_{80}).
Skipping pair p_{19} and p_{80} because gcd of their leading monoms is zero.

1475. Creating S-polynomial from the pair (p_{19}, p_{81}).
Skipping pair p_{19} and p_{81} because gcd of their leading monoms is zero.

1476. Creating S-polynomial from the pair (p_{19}, p_{82}).
Forming S-pol of p_{19} and p_{82}:

$$p_{343} = -16u_3^9u_1^4x_6 + 8u_3^{10}u_1^3x_4 - 16u_5u_3^7u_1^4x_2^2+$$
$$(-8u_5u_3^9u_1^3 + 32u_5u_3^7u_1^5)x_2$$

Reduced to zero.

1477. Creating S-polynomial from the pair (p_{19}, p_{83}).
Forming S-pol of p_{19} and p_{83}:

$$p_{344} = -1048576u_5u_3^{21}u_1^{20}x_8x_6 - 2097152u_5u_3^{20}u_1^{20}x_8x_4x_2+$$
$$524288u_5u_3^{22}u_1^{19}x_8x_4 - 1048576u_5^2u_3^{21}u_1^{19}x_8x_2+$$
$$2097152u_6u_3^{19}u_1^{21}x_6^2x_2 + 1048576u_5u_3^{20}u_1^{20}x_6x_5x_2+$$
$$524288u_6u_5u_3^{21}u_1^{19}x_6x_2 + 524288u_5u_3^{21}u_1^{19}x_5x_4x_2+$$
$$262144u_5^2u_3^{22}u_1^{18}x_5x_2+$$
$$(-262144u_6u_5u_3^{22}u_1^{18} - 1048576u_6u_3^{21}u_1^{20})x_4x_2+$$
$$524288u_6u_5^2u_3^{21}u_1^{19}x_2$$

Reduced to zero.

1478. Creating S-polynomial from the pair (p_{19}, p_{84}).
Forming S-pol of p_{19} and p_{84}:

$$p_{345} = -512u_3^9u_1^9x_8x_6 - 512u_3^8u_1^9x_8x_4x_2 + 256u_3^{10}u_1^8x_8x_4-$$
$$512u_5u_3^9u_1^8x_8x_2 + 512u_3^8u_1^9x_6x_5x_2 + 1024u_6u_3^7u_1^{10}x_6x_2+$$
$$128u_5u_3^{10}u_1^7x_5x_2 - 256u_6u_3^8u_1^8x_4x_2^2 - 128u_6u_5u_3^9u_1^7x_2^2$$

Reduced to zero.

1479. Creating S-polynomial from the pair (p_{19}, p_{85}).
Forming S-pol of p_{19} and p_{85}:

$$p_{346} = -512u_3^9u_1^9x_8x_6 + 256u_3^{10}u_1^8x_8x_4+$$
$$(-256u_5u_3^9u_1^8 + 1024u_5u_3^7u_1^{10})x_8x_2 - 256u_6u_3^9u_1^8x_6x_2-$$
$$256u_5u_3^8u_1^8x_5x_2^2 + 128u_6u_3^{10}u_1^7x_4x_2 - 128u_6u_5u_3^9u_1^7x_2^2$$

Reduced to zero.

1480. Creating S-polynomial from the pair (p_{19}, p_{86}).
Skipping pair p_{19} and p_{86} because gcd of their leading monoms is zero.

1481. Creating S-polynomial from the pair (p_{19}, p_{87}).
Skipping pair p_{19} and p_{87} because gcd of their leading monoms is zero.

1482. Creating S-polynomial from the pair (p_{19}, p_{88}).
Skipping pair p_{19} and p_{88} because gcd of their leading monoms is zero.

1483. Creating S-polynomial from the pair (p_{19}, p_{89}).
Skipping pair p_{19} and p_{89} because gcd of their leading monoms is zero.

1484. Creating S-polynomial from the pair (p_{19}, p_{90}).
Skipping pair p_{19} and p_{90} because gcd of their leading monoms is zero.

1485. Creating S-polynomial from the pair (p_{19}, p_{91}).
Skipping pair p_{19} and p_{91} because gcd of their leading monoms is zero.

1486. Creating S-polynomial from the pair (p_{19}, p_{92}).
Skipping pair p_{19} and p_{92} because gcd of their leading monoms is zero.

1487. Creating S-polynomial from the pair (p_{19}, p_{93}).
Skipping pair p_{19} and p_{93} because gcd of their leading monoms is zero.

1488. Creating S-polynomial from the pair (p_{19}, p_{94}).
Skipping pair p_{19} and p_{94} because gcd of their leading monoms is zero.

1489. Creating S-polynomial from the pair (p_{19}, p_{95}).
Forming S-pol of p_{19} and p_{95}:

$$p_{347} = -1048576u_3^{19}u_1^{20}x_8x_6x_4 + 1048576u_5u_3^{18}u_1^{20}x_8x_6x_2-$$
$$1048576u_3^{18}u_1^{20}x_8x_4^2x_2 + 524288u_3^{20}u_1^{19}x_8x_4^2+$$
$$(-524288u_5u_3^{19}u_1^{19} + 2097152u_5u_3^{17}u_1^{21} + 2097152u_3^{18}u_1^{21})x_8x_4x_2+$$
$$(262144u_5^2u_3^{20}u_1^{18} - 1048576u_5^2u_3^{18}u_1^{20})x_8x_2-$$
$$1048576u_6u_3^{18}u_1^{20}x_6^2x_2 - 524288u_5u_3^{19}u_1^{19}x_6x_5x_2-$$
$$262144u_6u_5u_3^{20}u_1^{18}x_6x_2 - 524288u_5u_3^{18}u_1^{19}x_5x_4x_2^2-$$
$$131072u_5^2u_3^{21}u_1^{17}x_5x_2 - 262144u_6u_5u_3^{19}u_1^{18}x_4x_2^2+$$
$$(131072u_6u_5u_3^{21}u_1^{17} + 524288u_6u_3^{20}u_1^{19})x_4x_2-$$
$$262144u_6u_5^2u_3^{20}u_1^{18}x_2$$

Reduced to zero.

1490. Creating S-polynomial from the pair (p_{19}, p_{96}).
Skipping pair p_{19} and p_{96} because gcd of their leading monoms is zero.

1491. Creating S-polynomial from the pair (p_{19}, p_{97}).
Skipping pair p_{19} and p_{97} because gcd of their leading monoms is zero.

1492. Creating S-polynomial from the pair (p_{19}, p_{98}).
Skipping pair p_{19} and p_{98} because gcd of their leading monoms is zero.

1493. Creating S-polynomial from the pair (p_{19}, p_{99}).
Skipping pair p_{19} and p_{99} because gcd of their leading monoms is zero.

1494. Creating S-polynomial from the pair (p_{19}, p_{100}).
Skipping pair p_{19} and p_{100} because gcd of their leading monoms is zero.

1495. Creating S-polynomial from the pair (p_{19}, p_{101}).
Skipping pair p_{19} and p_{101} because gcd of their leading monoms is zero.

1496. Creating S-polynomial from the pair (p_{19}, p_{102}).
Skipping pair p_{19} and p_{102} because gcd of their leading monoms is zero.

1497. Creating S-polynomial from the pair (p_{19}, p_{103}).
Skipping pair p_{19} and p_{103} because gcd of their leading monoms is zero.

1498. Creating S-polynomial from the pair (p_{19}, p_{104}).
Skipping pair p_{19} and p_{104} because gcd of their leading monoms is zero.

1499. Creating S-polynomial from the pair (p_{19}, p_{105}).
Skipping pair p_{19} and p_{105} because gcd of their leading monoms is zero.

1500. Creating S-polynomial from the pair (p_{19}, p_{106}).
Skipping pair p_{19} and p_{106} because gcd of their leading monoms is zero.

1501. Creating S-polynomial from the pair (p_{20}, p_{32}).
Skipping pair p_{20} and p_{32} because gcd of their leading monoms is zero.

1502. Creating S-polynomial from the pair (p_{20}, p_{33}).
Skipping pair p_{20} and p_{33} because gcd of their leading monoms is zero.

1503. Creating S-polynomial from the pair (p_{20}, p_{34}).
Skipping pair p_{20} and p_{34} because gcd of their leading monoms is zero.

1504. Creating S-polynomial from the pair (p_{20}, p_{35}).
Skipping pair p_{20} and p_{35} because gcd of their leading monoms is zero.

1505. Creating S-polynomial from the pair (p_{20}, p_{36}).
Forming S-pol of p_{20} and p_{36}:

$$p_{348} = -8u_3^9u_1^3x_8 + 4u_3^{10}u_1^2x_5 - 8u_6u_3^7u_1^3x_2^2 +$$
$$(-4u_6u_3^9u_1^2 + 16u_6u_3^7u_1^4)x_2$$

Reduced to zero.

1506. Creating S-polynomial from the pair (p_{20}, p_{37}).
Forming S-pol of p_{20} and p_{37}:

$$p_{349} = 256u_3^{16}u_1^8x_8x_4 - 512u_3^{14}u_1^9x_6x_5x_2 + 256u_3^{15}u_1^8x_5x_4x_2 -$$
$$128u_3^{17}u_1^7x_5x_4 - 256u_5u_3^{14}u_1^8x_5x_2^2 + 512u_5u_3^{14}u_1^9x_5x_2 +$$
$$256u_6u_3^{14}u_1^8x_4x_2^2 + (128u_6u_3^{16}u_1^7 - 512u_6u_3^{14}u_1^9)x_4x_2$$

Reduced to zero.

1507. Creating S-polynomial from the pair (p_{20}, p_{38}).
Skipping pair p_{20} and p_{38} because gcd of their leading monoms is zero.

1508. Creating S-polynomial from the pair (p_{20}, p_{39}).
Skipping pair p_{20} and p_{39} because gcd of their leading monoms is zero.

1509. Creating S-polynomial from the pair (p_{20}, p_{40}).
Skipping pair p_{20} and p_{40} because gcd of their leading monoms is zero.

1510. Creating S-polynomial from the pair (p_{20}, p_{41}).
Forming S-pol of p_{20} and p_{41}:

$$p_{350} = -256u_5u_3^{15}u_1^8x_8x_4 + 512u_6u_3^{13}u_1^9x_6x_4x_2 + 128u_5u_3^{16}u_1^7x_5x_4 +$$
$$(-128u_6u_5u_3^{15}u_1^7 - 512u_6u_3^{14}u_1^9)x_4x_2 + 256u_6u_5^2u_3^{14}u_1^8x_2$$

Reduced to zero.

1511. Creating S-polynomial from the pair (p_{20}, p_{42}).
Skipping pair p_{20} and p_{42} because gcd of their leading monoms is zero.

1512. Creating S-polynomial from the pair (p_{20}, p_{43}).
Skipping pair p_{20} and p_{43} because gcd of their leading monoms is zero.

1513. Creating S-polynomial from the pair (p_{20}, p_{44}).
Skipping pair p_{20} and p_{44} because gcd of their leading monoms is zero.

1514. Creating S-polynomial from the pair (p_{20}, p_{45}).
Forming S-pol of p_{20} and p_{45}:

$$p_{351} = (2048u_3^{16}u_1^{11} + 8192u_3^{14}u_1^{13})x_8x_6 - 8192u_3^{13}u_1^{13}x_8x_4x_2 +$$
$$(1024u_5u_3^{16}u_1^{10} - 16384u_5u_3^{12}u_1^{14})x_8x_2 + 8192u_3^{13}u_1^{13}x_6x_5x_2 +$$
$$(-1024u_3^{17}u_1^{10} - 4096u_3^{15}u_1^{12})x_6x_5 +$$
$$(1024u_6u_3^{16}u_1^{10} + 4096u_6u_3^{14}u_1^{12})x_6x_2 + 4096u_5u_3^{13}u_1^{12}x_5x_2^2 -$$
$$512u_5u_3^{17}u_1^9x_5x_2 + 1024u_6u_3^{15}u_1^{10}x_4x_2^2 -$$
$$2048u_6u_3^{15}u_1^{11}x_4x_2 + (512u_6u_5u_3^{16}u_1^9 + 2048u_6u_5u_3^{14}u_1^{11})x_2^2$$

Reduced to zero.

1515. Creating S-polynomial from the pair (p_{20}, p_{46}).

Skipping pair p_{20} and p_{46} because gcd of their leading monoms is zero.

1516. Creating S-polynomial from the pair (p_{20}, p_{47}).

Forming S-pol of p_{20} and p_{47}: Polynomial too big for output (text size is 1168 characters, number of terms is 16)

Reduced to zero.

1517. Creating S-polynomial from the pair (p_{20}, p_{48}).

Forming S-pol of p_{20} and p_{48}:

$$p_{352} = -256u_3^9u_1^8x_8x_6 + 256u_3^8u_1^8x_8x_4x_2 + 512u_5u_3^7u_1^9x_8x_2-$$
$$256u_3^8u_1^8x_6x_5x_2 + 128u_3^{10}u_1^7x_6x_5 - 256u_6u_3^9u_1^7x_6x_2-$$
$$128u_5u_3^8u_1^7x_5x_2^2 + 64u_6u_3^{10}u_1^6x_4x_2 - 64u_6u_5u_3^9u_1^6x_2^2$$

Reduced to zero.

1518. Creating S-polynomial from the pair (p_{20}, p_{49}).

Forming S-pol of p_{20} and p_{49}:

$$p_{353} = (512u_3^{15}u_1^9 + 2048u_3^{13}u_1^{11})x_8x_6 - 512u_3^{14}u_1^9x_8x_4x_2+$$
$$256u_5u_3^{15}u_1^8x_8x_2 + 512u_3^{14}u_1^9x_6x_5x_2+$$
$$(-256u_3^{16}u_1^8 - 1024u_3^{14}u_1^{10})x_6x_5+$$
$$(256u_6u_3^{15}u_1^8 + 1024u_6u_3^{13}u_1^{10} - 4096u_6u_3^{11}u_1^{12})x_6x_2+$$
$$256u_5u_3^{14}u_1^8x_5x_2^2+$$
$$(-128u_5u_3^{16}u_1^7 - 512u_5u_3^{14}u_1^9)x_5x_2 + 1024u_6u_3^{12}u_1^{10}x_4x_2^2+$$
$$(128u_6u_5u_3^{15}u_1^7 + 512u_6u_5u_3^{13}u_1^9)x_2^2$$

Reduced to zero.

1519. Creating S-polynomial from the pair (p_{20}, p_{50}).

Forming S-pol of p_{20} and p_{50}:

$$p_{354} = (32u_3^{13}u_1^5 + 128u_3^{11}u_1^7)x_8^2 + (-16u_3^{14}u_1^4 - 64u_3^{12}u_1^6)x_8x_5+$$
$$(32u_6u_3^{13}u_1^4 + 64u_6u_3^{11}u_1^6 - 256u_6u_3^9u_1^8)x_8x_2+$$
$$(16u_6u_3^{12}u_1^4 + 64u_6u_3^{10}u_1^6)x_5x_2^2+$$
$$(-8u_6u_3^{14}u_1^3 - 32u_6u_3^{12}u_1^5)x_5x_2+$$
$$(8u_6^2u_3^{13}u_1^3 + 32u_6^2u_3^{11}u_1^5)x_2^2$$

Reduced to zero.

1520. Creating S-polynomial from the pair (p_{20}, p_{51}).

Forming S-pol of p_{20} and p_{51}:

$$p_{355} = -256u_3^9u_1^8x_8x_6 - 128u_5u_3^9u_1^7x_8x_2 + 128u_3^{10}u_1^7x_6x_5+$$
$$(-128u_6u_3^9u_1^7 + 512u_6u_3^7u_1^9)x_6x_2 + 64u_5u_3^{10}u_1^6x_5x_2-$$
$$128u_6u_3^8u_1^7x_4x_2^2 - 64u_6u_5u_3^9u_1^6x_2^2$$

Reduced to zero.

1521. Creating S-polynomial from the pair (p_{20}, p_{52}).

Forming S-pol of p_{20} and p_{52}:

$$p_{356} = (4096u_3^{22}u_1^{12} + 16384u_3^{20}u_1^{14})x_8^2x_4 - 8192u_3^{20}u_1^{13}x_8x_6x_5x_2+$$
$$4096u_3^{21}u_1^{12}x_8x_5x_4x_2 + (-2048u_3^{23}u_1^{11} - 8192u_3^{21}u_1^{13})x_8x_5x_4+$$
$$(-2048u_5u_3^{22}u_1^{11} + 8192u_5u_3^{20}u_1^{13})x_8x_5x_2+$$
$$(4096u_6u_3^{22}u_1^{11} + 8192u_6u_3^{20}u_1^{13} - 32768u_6u_3^{18}u_1^{15})x_8x_4x_2+$$
$$(2048u_6u_3^{21}u_1^{11} + 8192u_6u_3^{19}u_1^{13})x_5x_4x_2^2+$$
$$(-1024u_6u_3^{23}u_1^{10} - 4096u_6u_3^{21}u_1^{12})x_5x_4x_2+$$
$$(-1024u_6u_5u_3^{22}u_1^{10} - 4096u_5u_3^{21}u_1^{12})x_5x_2^2 + 2048u_5u_3^{23}u_1^{11}x_5x_2+$$
$$(1024u_6^2u_3^{22}u_1^{10} + 4096u_6^2u_3^{20}u_1^{12})x_4x_2^2+$$
$$2048u_6^2u_5u_3^{21}u_1^{11}x_2^2 - 1024u_6^2u_5u_3^{23}u_1^{10}x_2$$

Reduced to zero.

1522. Creating S-polynomial from the pair (p_{20}, p_{53}).

Forming S-pol of p_{20} and p_{53}:

$$p_{357} = -16u_3^7u_1^4x_8^2 + 8u_3^8u_1^3x_8x_5+$$
$$(-16u_6u_3^7u_1^3 + 32u_6u_3^5u_1^5)x_8x_2 - 8u_6u_3^6u_1^3x_5x_2^2+$$
$$4u_6u_3^8u_1^2x_5x_2 - 4u_6^2u_3^7u_1^2x_2^2$$

Reduced to zero.

1523. Creating S-polynomial from the pair (p_{20}, p_{54}).

Skipping pair p_{20} and p_{54} because gcd of their leading monoms is zero.

1524. Creating S-polynomial from the pair (p_{20}, p_{55}).

Skipping pair p_{20} and p_{55} because gcd of their leading monoms is zero.

1525. Creating S-polynomial from the pair (p_{20}, p_{56}).

Skipping pair p_{20} and p_{56} because gcd of their leading monoms is zero.

1526. Creating S-polynomial from the pair (p_{20}, p_{57}).

Skipping pair p_{20} and p_{57} because gcd of their leading monoms is zero.

1527. Creating S-polynomial from the pair (p_{20}, p_{58}).
Skipping pair p_{20} and p_{58} because gcd of their leading monoms is zero.

1528. Creating S-polynomial from the pair (p_{20}, p_{59}).
Skipping pair p_{20} and p_{59} because gcd of their leading monoms is zero.

1529. Creating S-polynomial from the pair (p_{20}, p_{60}).
Skipping pair p_{20} and p_{60} because gcd of their leading monoms is zero.

1530. Creating S-polynomial from the pair (p_{20}, p_{61}).
Skipping pair p_{20} and p_{61} because gcd of their leading monoms is zero.

1531. Creating S-polynomial from the pair (p_{20}, p_{62}).
Skipping pair p_{20} and p_{62} because gcd of their leading monoms is zero.

1532. Creating S-polynomial from the pair (p_{20}, p_{63}).
Skipping pair p_{20} and p_{63} because gcd of their leading monoms is zero.

1533. Creating S-polynomial from the pair (p_{20}, p_{64}).
Skipping pair p_{20} and p_{64} because gcd of their leading monoms is zero.

1534. Creating S-polynomial from the pair (p_{20}, p_{65}).
Skipping pair p_{20} and p_{65} because gcd of their leading monoms is zero.

1535. Creating S-polynomial from the pair (p_{20}, p_{66}).
Skipping pair p_{20} and p_{66} because gcd of their leading monoms is zero.

1536. Creating S-polynomial from the pair (p_{20}, p_{67}).
Skipping pair p_{20} and p_{67} because gcd of their leading monoms is zero.

1537. Creating S-polynomial from the pair (p_{20}, p_{68}).
Skipping pair p_{20} and p_{68} because gcd of their leading monoms is zero.

1538. Creating S-polynomial from the pair (p_{20}, p_{69}).
Skipping pair p_{20} and p_{69} because gcd of their leading monoms is zero.

1539. Creating S-polynomial from the pair (p_{20}, p_{70}).
Skipping pair p_{20} and p_{70} because gcd of their leading monoms is zero.

1540. Creating S-polynomial from the pair (p_{20}, p_{71}).
Skipping pair p_{20} and p_{71} because gcd of their leading monoms is zero.

1541. Creating S-polynomial from the pair (p_{20}, p_{72}).
Skipping pair p_{20} and p_{72} because gcd of their leading monoms is zero.

1542. Creating S-polynomial from the pair (p_{20}, p_{73}).
Skipping pair p_{20} and p_{73} because gcd of their leading monoms is zero.

1543. Creating S-polynomial from the pair (p_{20}, p_{74}).
Skipping pair p_{20} and p_{74} because gcd of their leading monoms is zero.

1544. Creating S-polynomial from the pair (p_{20}, p_{75}).
Skipping pair p_{20} and p_{75} because gcd of their leading monoms is zero.

1545. Creating S-polynomial from the pair (p_{20}, p_{76}).
Skipping pair p_{20} and p_{76} because gcd of their leading monoms is zero.

1546. Creating S-polynomial from the pair (p_{20}, p_{77}).
Skipping pair p_{20} and p_{77} because gcd of their leading monoms is zero.

1547. Creating S-polynomial from the pair (p_{20}, p_{78}).
Skipping pair p_{20} and p_{78} because gcd of their leading monoms is zero.

1548. Creating S-polynomial from the pair (p_{20}, p_{79}).
Skipping pair p_{20} and p_{79} because gcd of their leading monoms is zero.

1549. Creating S-polynomial from the pair (p_{20}, p_{80}).
Skipping pair p_{20} and p_{80} because gcd of their leading monoms is zero.

1550. Creating S-polynomial from the pair (p_{20}, p_{81}).
Forming S-pol of p_{20} and p_{81}:

$$p_{358} = 1024u_5u_3^{13}u_1^{10}x_8 - 2048u_6u_3^{11}u_1^{11}x_6x_2 - 512u_5u_3^{14}u_1^{9}x_5 +$$
$$1024u_6u_3^{12}u_1^{10}x_4x_2 + 512u_6u_5u_3^{13}u_1^{9}x_2$$

Reduced to zero.

1551. Creating S-polynomial from the pair (p_{20}, p_{82}).
Skipping pair p_{20} and p_{82} because gcd of their leading monoms is zero.

1552. Creating S-polynomial from the pair (p_{20}, p_{83}).
Forming S-pol of p_{20} and p_{83}:

$$p_{359} = -1048576u_5u_3^{21}u_1^{20}x_8x_6 - 1048576u_5u_3^{20}u_1^{20}x_8x_4x_2 -$$
$$524288u_5^2u_3^{21}u_1^{19}x_8x_2 + 2097152u_6u_3^{19}u_1^{21}x_6^2x_2 +$$
$$524288u_5u_3^{22}u_1^{19}x_6x_5 + 524288u_5u_3^{21}u_1^{19}x_5x_4x_2 +$$
$$262144u_5^2u_3^{22}u_1^{18}x_5x_2 +$$
$$(-262144u_6u_5u_3^{22}u_1^{18} - 1048576u_6u_3^{21}u_1^{20})x_4x_2 +$$
$$524288u_6u_5^2u_3^{21}u_1^{19}x_2$$

Reduced to zero.

1553. Creating S-polynomial from the pair (p_{20}, p_{84}).
Forming S-pol of p_{20} and p_{84}:

$$p_{360} = -512u_3^9u_1^9x_8x_6 - 256u_5u_3^9u_1^8x_8x_2 + 256u_3^{10}u_1^8x_6x_5 +$$
$$(-256u_6u_3^9u_1^8 + 1024u_6u_3^7u_1^{10})x_6x_2 + 128u_5u_3^{10}u_1^7x_5x_2 -$$
$$256u_6u_3^8u_1^8x_4x_2^2 - 128u_6u_5u_3^9u_1^7x_2^2$$

Reduced to zero.

1554. Creating S-polynomial from the pair (p_{20}, p_{85}).

Forming S-pol of p_{20} and p_{85}:

$$p_{361} = -512u_3^9u_1^9x_8x_6 + 512u_3^8u_1^9x_8x_4x_2 + 1024u_5u_3^7u_1^{10}x_8x_2 -$$
$$512u_3^8u_1^9x_6x_5x_2 + 256u_3^{10}u_1^8x_6x_5 - 512u_6u_3^9u_1^8x_6x_2 -$$
$$256u_5u_3^8u_1^8x_5x_2^2 + 128u_6u_3^{10}u_1^7x_4x_2 - 128u_6u_5u_3^9u_1^7x_2^2$$

Reduced to zero.

1555. Creating S-polynomial from the pair (p_{20}, p_{86}).

Forming S-pol of p_{20} and p_{86}:

$$p_{362} = (1024u_3^{17}u_1^{10} - 2048u_3^{15}u_1^{11})x_8x_4 - 2048u_3^{15}u_1^{11}x_6x_5x_2 +$$
$$(8192u_3^{12}u_1^{13} - 4096u_3^{12}u_1^{12})x_5x_4x_2^2 +$$
$$(1024u_3^{16}u_1^{10} - 4096u_3^{14}u_1^{12})x_5x_4x_2 +$$
$$(-512u_3^{18}u_1^9 + 1024u_3^{16}u_1^{10})x_5x_4 - 1024u_5u_3^{15}u_1^{10}x_5x_2^2 +$$
$$2048u_5u_3^{15}u_1^{11}x_5x_2 +$$
$$(1024u_6u_3^{15}u_1^{10} + 4096u_6u_3^{13}u_1^{12} - 2048u_6u_3^{13}u_1^{11})x_4x_2^2 +$$
$$(512u_6u_3^{17}u_1^9 - 2048u_6u_3^{15}u_1^{11} - 1024u_6u_3^{15}u_1^{10})x_4x_2$$

S-pol added.

1556. Creating S-polynomial from the pair (p_{20}, p_{87}).

Forming S-pol of p_{20} and p_{87}:

$$p_{363} = -16u_3^9u_1^4x_8 + 8u_3^{10}u_1^3x_5 - 16u_6u_3^7u_1^4x_2^2 +$$
$$(-8u_6u_3^9u_1^3 + 32u_6u_3^7u_1^5)x_2$$

Reduced to zero.

1557. Creating S-polynomial from the pair (p_{20}, p_{88}).

Skipping pair p_{20} and p_{88} because gcd of their leading monoms is zero.

1558. Creating S-polynomial from the pair (p_{20}, p_{89}).

Skipping pair p_{20} and p_{89} because gcd of their leading monoms is zero.

1559. Creating S-polynomial from the pair (p_{20}, p_{90}).

Skipping pair p_{20} and p_{90} because gcd of their leading monoms is zero.

1560. Creating S-polynomial from the pair (p_{20}, p_{91}).

Skipping pair p_{20} and p_{91} because gcd of their leading monoms is zero.

1561. Creating S-polynomial from the pair (p_{20}, p_{92}).

Skipping pair p_{20} and p_{92} because gcd of their leading monoms is zero.

1562. Creating S-polynomial from the pair (p_{20}, p_{93}).

Skipping pair p_{20} and p_{93} because gcd of their leading monoms is zero.

1563. Creating S-polynomial from the pair (p_{20}, p_{94}).

Skipping pair p_{20} and p_{94} because gcd of their leading monoms is zero.

1564. Creating S-polynomial from the pair (p_{20}, p_{95}).

Forming S-pol of p_{20} and p_{95}:

$$p_{364} = -1048576u_3^{19}u_1^{20}x_8x_6x_4 + 1048576u_5u_3^{18}u_1^{20}x_8x_6x_2+$$
$$(2097152u_5u_3^{17}u_1^{21} + 2097152u_3^{18}u_1^{21})x_8x_4x_2+$$
$$(262144u_5^2u_3^{20}u_1^{18} - 1048576u_5^2u_3^{18}u_1^{20})x_8x_2-$$
$$1048576u_6u_3^{18}u_1^{20}x_6^2x_2 - 1048576u_3^{18}u_1^{20}x_6x_5x_4x_2+$$
$$524288u_3^{20}u_1^{19}x_6x_5x_4 - 524288u_5u_3^{19}u_1^{19}x_6x_5x_2-$$
$$524288u_6u_3^{19}u_1^{19}x_6x_4x_2 - 262144u_6u_5u_3^{20}u_1^{18}x_6x_2-$$
$$524288u_5u_3^{18}u_1^{19}x_5x_4x_2^2 - 131072u_5^2u_3^{21}u_1^{17}x_5x_2-$$
$$262144u_6u_5u_3^{19}u_1^{18}x_4x_2^2+$$
$$(131072u_6u_5u_3^{21}u_1^{17} + 524288u_6u_3^{20}u_1^{19})x_4x_2-$$
$$262144u_6u_5^2u_3^{20}u_1^{18}x_2$$

Reduced to zero.

1565. Creating S-polynomial from the pair (p_{20}, p_{96}).

Forming S-pol of p_{20} and p_{96}:

$$p_{365} = 32u_3^8u_1^5x_8x_4 + 128u_5u_3^5u_1^7x_8x_2 - 64u_3^6u_1^6x_6x_5x_2-$$
$$128u_6u_3^5u_1^7x_6x_2 + 32u_3^7u_1^5x_5x_4x_2 - 16u_3^9u_1^4x_5x_4-$$
$$32u_5u_3^6u_1^5x_5x_2^2 + 32u_6u_3^6u_1^5x_4x_2^2 + 16u_6u_3^8u_1^4x_4x_2$$

Reduced to zero.

1566. Creating S-polynomial from the pair (p_{20}, p_{97}).

Forming S-pol of p_{20} and p_{97}:

$$p_{366} = 512u_3^{16}u_1^9x_8x_4 - 1024u_3^{14}u_1^{10}x_6x_5x_2+$$
$$(4096u_3^{11}u_1^{12} - 2048u_3^{11}u_1^{11})x_5x_4x_2^2+$$
$$(512u_3^{15}u_1^9 - 2048u_3^{13}u_1^{11})x_5x_4x_2 - 256u_3^{17}u_1^8x_5x_4-$$
$$512u_5u_3^{14}u_1^9x_5x_2^2 + 1024u_5u_3^{14}u_1^{10}x_5x_2+$$
$$(512u_6u_3^{14}u_1^9 + 2048u_6u_3^{12}u_1^{11})x_4x_2^2+$$
$$(256u_6u_3^{16}u_1^8 - 1024u_6u_3^{14}u_1^{10} - 2048u_6u_3^{12}u_1^{11})x_4x_2$$

S-pol added.

1567. Creating S-polynomial from the pair (p_{20}, p_{98}).

Forming S-pol of p_{20} and p_{98}: Polynomial too big for output (text size is 2440 characters, number of terms is 29)

Reduced to zero.

1568. Creating S-polynomial from the pair (p_{20}, p_{99}).

Forming S-pol of p_{20} and p_{99}: Polynomial too big for output (text size is 2441 characters, number of terms is 29)

Reduced to zero.

1569. Creating S-polynomial from the pair (p_{20}, p_{100}).

Skipping pair p_{20} and p_{100} because gcd of their leading monoms is zero.

1570. Creating S-polynomial from the pair (p_{20}, p_{101}).

Skipping pair p_{20} and p_{101} because gcd of their leading monoms is zero.

1571. Creating S-polynomial from the pair (p_{20}, p_{102}).

Skipping pair p_{20} and p_{102} because gcd of their leading monoms is zero.

1572. Creating S-polynomial from the pair (p_{20}, p_{103}).

Skipping pair p_{20} and p_{103} because gcd of their leading monoms is zero.

1573. Creating S-polynomial from the pair (p_{20}, p_{104}).

Skipping pair p_{20} and p_{104} because gcd of their leading monoms is zero.

1574. Creating S-polynomial from the pair (p_{20}, p_{105}).

Skipping pair p_{20} and p_{105} because gcd of their leading monoms is zero.

1575. Creating S-polynomial from the pair (p_{20}, p_{106}).

Skipping pair p_{20} and p_{106} because gcd of their leading monoms is zero.

1576. Creating S-polynomial from the pair (p_{21}, p_{32}).

Skipping pair p_{21} and p_{32} because gcd of their leading monoms is zero.

1577. Creating S-polynomial from the pair (p_{21}, p_{33}).

Skipping pair p_{21} and p_{33} because gcd of their leading monoms is zero.

1578. Creating S-polynomial from the pair (p_{21}, p_{34}).

Skipping pair p_{21} and p_{34} because gcd of their leading monoms is zero.

1579. Creating S-polynomial from the pair (p_{21}, p_{35}).

Skipping pair p_{21} and p_{35} because gcd of their leading monoms is zero.

1580. Creating S-polynomial from the pair (p_{21}, p_{36}).

Skipping pair p_{21} and p_{36} because gcd of their leading monoms is zero.

1581. Creating S-polynomial from the pair (p_{21}, p_{37}).

Skipping pair p_{21} and p_{37} because gcd of their leading monoms is zero.

1582. Creating S-polynomial from the pair (p_{21}, p_{38}).

Forming S-pol of p_{21} and p_{38}:

$$p_{367} = -8u_4^9u_1^3x_{14} + 4u_4^{10}u_1^2x_4 - 8u_5u_4^7u_1^3x_3^2 +$$
$$(-4u_5u_4^9u_1^2 + 16u_5u_4^7u_1^4)x_3$$

Reduced to zero.

1583. Creating S-polynomial from the pair (p_{21}, p_{39}).
Skipping pair p_{21} and p_{39} because gcd of their leading monoms is zero.

1584. Creating S-polynomial from the pair (p_{21}, p_{40}).
Skipping pair p_{21} and p_{40} because gcd of their leading monoms is zero.

1585. Creating S-polynomial from the pair (p_{21}, p_{41}).
Skipping pair p_{21} and p_{41} because gcd of their leading monoms is zero.

1586. Creating S-polynomial from the pair (p_{21}, p_{42}).
Skipping pair p_{21} and p_{42} because gcd of their leading monoms is zero.

1587. Creating S-polynomial from the pair (p_{21}, p_{43}).
Skipping pair p_{21} and p_{43} because gcd of their leading monoms is zero.

1588. Creating S-polynomial from the pair (p_{21}, p_{44}).
Skipping pair p_{21} and p_{44} because gcd of their leading monoms is zero.

1589. Creating S-polynomial from the pair (p_{21}, p_{45}).
Skipping pair p_{21} and p_{45} because gcd of their leading monoms is zero.

1590. Creating S-polynomial from the pair (p_{21}, p_{46}).
Skipping pair p_{21} and p_{46} because gcd of their leading monoms is zero.

1591. Creating S-polynomial from the pair (p_{21}, p_{47}).
Skipping pair p_{21} and p_{47} because gcd of their leading monoms is zero.

1592. Creating S-polynomial from the pair (p_{21}, p_{48}).
Skipping pair p_{21} and p_{48} because gcd of their leading monoms is zero.

1593. Creating S-polynomial from the pair (p_{21}, p_{49}).
Skipping pair p_{21} and p_{49} because gcd of their leading monoms is zero.

1594. Creating S-polynomial from the pair (p_{21}, p_{50}).
Skipping pair p_{21} and p_{50} because gcd of their leading monoms is zero.

1595. Creating S-polynomial from the pair (p_{21}, p_{51}).
Skipping pair p_{21} and p_{51} because gcd of their leading monoms is zero.

1596. Creating S-polynomial from the pair (p_{21}, p_{52}).
Skipping pair p_{21} and p_{52} because gcd of their leading monoms is zero.

1597. Creating S-polynomial from the pair (p_{21}, p_{53}).
Skipping pair p_{21} and p_{53} because gcd of their leading monoms is zero.

1598. Creating S-polynomial from the pair (p_{21}, p_{54}).
Skipping pair p_{21} and p_{54} because gcd of their leading monoms is zero.

1599. Creating S-polynomial from the pair (p_{21}, p_{55}).
Skipping pair p_{21} and p_{55} because gcd of their leading monoms is zero.

1600. Creating S-polynomial from the pair (p_{21}, p_{56}).
Skipping pair p_{21} and p_{56} because gcd of their leading monoms is zero.

1601. Creating S-polynomial from the pair (p_{21}, p_{57}).
Skipping pair p_{21} and p_{57} because gcd of their leading monoms is zero.

1602. Creating S-polynomial from the pair (p_{21}, p_{58}).
Skipping pair p_{21} and p_{58} because gcd of their leading monoms is zero.

1603. Creating S-polynomial from the pair (p_{21}, p_{59}).
Skipping pair p_{21} and p_{59} because gcd of their leading monoms is zero.

1604. Creating S-polynomial from the pair (p_{21}, p_{60}).
Skipping pair p_{21} and p_{60} because gcd of their leading monoms is zero.

1605. Creating S-polynomial from the pair (p_{21}, p_{61}).
Skipping pair p_{21} and p_{61} because gcd of their leading monoms is zero.

1606. Creating S-polynomial from the pair (p_{21}, p_{62}).
Skipping pair p_{21} and p_{62} because gcd of their leading monoms is zero.

1607. Creating S-polynomial from the pair (p_{21}, p_{63}).
Skipping pair p_{21} and p_{63} because gcd of their leading monoms is zero.

1608. Creating S-polynomial from the pair (p_{21}, p_{64}).
Forming S-pol of p_{21} and p_{64}:

$$p_{368} = (32u_4^{13}u_1^5 + 128u_4^{11}u_1^7)x_{14}^2 + (-16u_4^{14}u_1^4 - 64u_4^{12}u_1^6)x_{14}x_4 +$$
$$(32u_5u_4^{13}u_1^4 + 64u_5u_4^{11}u_1^6 - 256u_5u_4^9u_1^8)x_{14}x_3 +$$
$$(16u_5u_4^{12}u_1^4 + 64u_5u_4^{10}u_1^6)x_4x_3^2 +$$
$$(-8u_5u_4^{14}u_1^3 - 32u_5u_4^{12}u_1^5)x_4x_3 +$$
$$(8u_5^2u_4^{13}u_1^3 + 32u_5^2u_4^{11}u_1^5)x_3^2$$

Reduced to zero.

1609. Creating S-polynomial from the pair (p_{21}, p_{65}).
Forming S-pol of p_{21} and p_{65}:

$$p_{369} = (2048u_4^{16}u_1^{11} + 8192u_4^{14}u_1^{13})x_{16}x_{14} + 2048u_4^{15}u_1^{11}x_{16}x_4x_3 +$$
$$(-1024u_4^{17}u_1^{10} - 4096u_4^{15}u_1^{12})x_{16}x_4 +$$
$$(2048u_5u_4^{16}u_1^{10} + 4096u_5u_4^{14}u_1^{12} - 16384u_5u_4^{12}u_1^{14})x_{16}x_3 -$$
$$2048u_4^{15}u_1^{11}x_{14}x_5x_3 + 4096u_5u_4^{13}u_1^{12}x_5x_3^2 -$$
$$512u_5u_4^{17}u_1^9x_5x_3 + 1024u_6u_4^{15}u_1^{10}x_4x_3^2 -$$
$$2048u_6u_4^{15}u_1^{11}x_4x_3 + (512u_6u_5u_4^{16}u_1^9 + 2048u_6u_5u_4^{14}u_1^{11})x_3^2$$

Reduced to zero.

1610. Creating S-polynomial from the pair (p_{21}, p_{66}).

Forming S-pol of p_{21} and p_{66}:

$$p_{370} = -16u_4^7u_1^4x_{14}^2 + 8u_4^8u_1^3x_{14}x_4+$$
$$(-16u_5u_4^7u_1^3 + 32u_5u_4^5u_1^5)x_{14}x_3 - 8u_5u_4^6u_1^3x_4x_3^2+$$
$$4u_5u_4^8u_1^2x_4x_3 - 4u_5^2u_4^7u_1^2x_3^2$$

Reduced to zero.

1611. Creating S-polynomial from the pair (p_{21}, p_{67}).

Forming S-pol of p_{21} and p_{67}: Polynomial too big for output (text size is 1127 characters, number of terms is 15)

Reduced to zero.

1612. Creating S-polynomial from the pair (p_{21}, p_{68}).

Forming S-pol of p_{21} and p_{68}:

$$p_{371} = -256u_4^9u_1^8x_{16}x_{14} + 128u_4^{10}u_1^7x_{16}x_4+$$
$$(-128u_5u_4^9u_1^7 + 512u_5u_4^7u_1^9)x_{16}x_3 - 128u_6u_4^9u_1^7x_{14}x_3-$$
$$128u_5u_4^8u_1^7x_5x_3^2 + 64u_6u_4^{10}u_1^6x_4x_3 - 64u_6u_5u_4^9u_1^6x_3^2$$

Reduced to zero.

1613. Creating S-polynomial from the pair (p_{21}, p_{69}).

Forming S-pol of p_{21} and p_{69}:

$$p_{372} = (512u_4^{15}u_1^9 + 2048u_4^{13}u_1^{11})x_{16}x_{14} + 2048u_4^{12}u_1^{11}x_{16}x_4x_3+$$
$$(-256u_4^{16}u_1^8 - 1024u_4^{14}u_1^{10})x_{16}x_4+$$
$$(512u_5u_4^{15}u_1^8 + 1024u_5u_4^{13}u_1^{10})x_{16}x_3 - 2048u_4^{12}u_1^{11}x_{14}x_5x_3-$$
$$4096u_6u_4^{11}u_1^{12}x_{14}x_3 + 256u_5u_4^{14}u_1^8x_5x_3^2+$$
$$(-128u_5u_4^{16}u_1^7 - 512u_5u_4^{14}u_1^9)x_5x_3 + 1024u_6u_4^{12}u_1^{10}x_4x_3^2+$$
$$(128u_6u_5u_4^{15}u_1^7 + 512u_6u_5u_4^{13}u_1^9)x_3^2$$

Reduced to zero.

1614. Creating S-polynomial from the pair (p_{21}, p_{70}).

Skipping pair p_{21} and p_{70} because gcd of their leading monoms is zero.

1615. Creating S-polynomial from the pair (p_{21}, p_{71}).

Forming S-pol of p_{21} and p_{71}:

$$p_{373} = -256u_4^9u_1^8x_{16}x_{14} - 256u_4^8u_1^8x_{16}x_4x_3 + 128u_4^{10}u_1^7x_{16}x_4-$$
$$256u_5u_4^9u_1^7x_{16}x_3 + 256u_4^8u_1^8x_{14}x_5x_3 + 512u_6u_4^7u_1^9x_{14}x_3+$$
$$64u_5u_4^{10}u_1^6x_5x_3 - 128u_6u_4^8u_1^7x_4x_3^2 - 64u_6u_5u_4^9u_1^6x_3^2$$

Reduced to zero.

1616. Creating S-polynomial from the pair (p_{21}, p_{72}).
Skipping pair p_{21} and p_{72} because gcd of their leading monoms is zero.

1617. Creating S-polynomial from the pair (p_{21}, p_{73}).
Skipping pair p_{21} and p_{73} because gcd of their leading monoms is zero.

1618. Creating S-polynomial from the pair (p_{21}, p_{74}).
Skipping pair p_{21} and p_{74} because gcd of their leading monoms is zero.

1619. Creating S-polynomial from the pair (p_{21}, p_{75}).
Skipping pair p_{21} and p_{75} because gcd of their leading monoms is zero.

1620. Creating S-polynomial from the pair (p_{21}, p_{76}).
Skipping pair p_{21} and p_{76} because gcd of their leading monoms is zero.

1621. Creating S-polynomial from the pair (p_{21}, p_{77}).
Skipping pair p_{21} and p_{77} because gcd of their leading monoms is zero.

1622. Creating S-polynomial from the pair (p_{21}, p_{78}).
Skipping pair p_{21} and p_{78} because gcd of their leading monoms is zero.

1623. Creating S-polynomial from the pair (p_{21}, p_{79}).
Skipping pair p_{21} and p_{79} because gcd of their leading monoms is zero.

1624. Creating S-polynomial from the pair (p_{21}, p_{80}).
Skipping pair p_{21} and p_{80} because gcd of their leading monoms is zero.

1625. Creating S-polynomial from the pair (p_{21}, p_{81}).
Skipping pair p_{21} and p_{81} because gcd of their leading monoms is zero.

1626. Creating S-polynomial from the pair (p_{21}, p_{82}).
Skipping pair p_{21} and p_{82} because gcd of their leading monoms is zero.

1627. Creating S-polynomial from the pair (p_{21}, p_{83}).
Skipping pair p_{21} and p_{83} because gcd of their leading monoms is zero.

1628. Creating S-polynomial from the pair (p_{21}, p_{84}).
Skipping pair p_{21} and p_{84} because gcd of their leading monoms is zero.

1629. Creating S-polynomial from the pair (p_{21}, p_{85}).
Skipping pair p_{21} and p_{85} because gcd of their leading monoms is zero.

1630. Creating S-polynomial from the pair (p_{21}, p_{86}).
Skipping pair p_{21} and p_{86} because gcd of their leading monoms is zero.

1631. Creating S-polynomial from the pair (p_{21}, p_{87}).
Skipping pair p_{21} and p_{87} because gcd of their leading monoms is zero.

1632. Creating S-polynomial from the pair (p_{21}, p_{88}).
Skipping pair p_{21} and p_{88} because gcd of their leading monoms is zero.

1633. Creating S-polynomial from the pair (p_{21}, p_{89}).
Forming S-pol of p_{21} and p_{89}:

$$p_{374} = -16u_4^9u_1^4x_{14} + 8u_4^{10}u_1^3x_4 - 16u_5u_4^7u_1^4x_3^2+$$
$$(-8u_5u_4^9u_1^3 + 32u_5u_4^7u_1^5)x_3$$

Reduced to zero.

1634. Creating S-polynomial from the pair (p_{21}, p_{90}).
Forming S-pol of p_{21} and p_{90}:

$$p_{375} = -1048576u_5u_4^{21}u_1^{20}x_{16}x_{14} - 2097152u_5u_4^{20}u_1^{20}x_{16}x_4x_3+$$
$$524288u_5u_4^{22}u_1^{19}x_{16}x_4 - 1048576u_5^2u_4^{21}u_1^{19}x_{16}x_3+$$
$$2097152u_6u_4^{19}u_1^{21}x_{14}^2x_3 + 1048576u_5u_4^{20}u_1^{20}x_{14}x_5x_3+$$
$$524288u_6u_5u_4^{21}u_1^{19}x_{14}x_3 + 524288u_5u_4^{21}u_1^{19}x_5x_4x_3+$$
$$262144u_5^2u_4^{22}u_1^{18}x_5x_3+$$
$$(-262144u_6u_5u_4^{22}u_1^{18} - 1048576u_6u_4^{21}u_1^{20})x_4x_3+$$
$$524288u_6u_5^2u_4^{21}u_1^{19}x_3$$

Reduced to zero.

1635. Creating S-polynomial from the pair (p_{21}, p_{91}).
Forming S-pol of p_{21} and p_{91}:

$$p_{376} = -512u_4^9u_1^9x_{16}x_{14} - 512u_4^8u_1^9x_{16}x_4x_3 + 256u_4^{10}u_1^8x_{16}x_4-$$
$$512u_5u_4^9u_1^8x_{16}x_3 + 512u_4^8u_1^9x_{14}x_5x_3 + 1024u_6u_4^7u_1^{10}x_{14}x_3+$$
$$128u_5u_4^{10}u_1^7x_5x_3 - 256u_6u_4^8u_1^8x_4x_3^2 - 128u_6u_5u_4^9u_1^7x_3^2$$

Reduced to zero.

1636. Creating S-polynomial from the pair (p_{21}, p_{92}).
Forming S-pol of p_{21} and p_{92}:

$$p_{377} = -512u_4^9u_1^9x_{16}x_{14} + 256u_4^{10}u_1^8x_{16}x_4+$$
$$(-256u_5u_4^9u_1^8 + 1024u_5u_4^7u_1^{10})x_{16}x_3 - 256u_6u_4^9u_1^8x_{14}x_3-$$
$$256u_5u_4^8u_1^8x_5x_3^2 + 128u_6u_4^{10}u_1^7x_4x_3 - 128u_6u_5u_4^9u_1^7x_3^2$$

Reduced to zero.

1637. Creating S-polynomial from the pair (p_{21}, p_{93}).
Skipping pair p_{21} and p_{93} because gcd of their leading monoms is zero.

1638. Creating S-polynomial from the pair (p_{21}, p_{94}).
Skipping pair p_{21} and p_{94} because gcd of their leading monoms is zero.

1639. Creating S-polynomial from the pair (p_{21}, p_{95}).
Skipping pair p_{21} and p_{95} because gcd of their leading monoms is zero.

1640. Creating S-polynomial from the pair (p_{21}, p_{96}).
Skipping pair p_{21} and p_{96} because gcd of their leading monoms is zero.

1641. Creating S-polynomial from the pair (p_{21}, p_{97}).
Skipping pair p_{21} and p_{97} because gcd of their leading monoms is zero.

1642. Creating S-polynomial from the pair (p_{21}, p_{98}).
Skipping pair p_{21} and p_{98} because gcd of their leading monoms is zero.

1643. Creating S-polynomial from the pair (p_{21}, p_{99}).
Skipping pair p_{21} and p_{99} because gcd of their leading monoms is zero.

1644. Creating S-polynomial from the pair (p_{21}, p_{100}).
Skipping pair p_{21} and p_{100} because gcd of their leading monoms is zero.

1645. Creating S-polynomial from the pair (p_{21}, p_{101}).
Skipping pair p_{21} and p_{101} because gcd of their leading monoms is zero.

1646. Creating S-polynomial from the pair (p_{21}, p_{102}).
Skipping pair p_{21} and p_{102} because gcd of their leading monoms is zero.

1647. Creating S-polynomial from the pair (p_{21}, p_{103}).
Skipping pair p_{21} and p_{103} because gcd of their leading monoms is zero.

1648. Creating S-polynomial from the pair (p_{21}, p_{104}).
Forming S-pol of p_{21} and p_{104}:

$$p_{378} = -1048576u_4^{19}u_1^{20}x_{16}x_{14}x_4 + 1048576u_5u_4^{18}u_1^{20}x_{16}x_{14}x_3 -$$
$$1048576u_4^{18}u_1^{20}x_{16}x_4^2x_3 + 524288u_4^{20}u_1^{19}x_{16}x_4^2 +$$
$$(-524288u_5u_4^{19}u_1^{19} + 2097152u_5u_4^{17}u_1^{21} + 2097152u_4^{18}u_1^{21})x_{16}x_4x_3 +$$
$$(262144u_5^2u_4^{20}u_1^{18} - 1048576u_5^2u_4^{18}u_1^{20})x_{16}x_3 -$$
$$1048576u_6u_4^{18}u_1^{20}x_{14}^2x_3 - 524288u_5u_4^{19}u_1^{19}x_{14}x_5x_3 -$$
$$262144u_6u_5u_4^{20}u_1^{18}x_{14}x_3 - 524288u_5u_4^{18}u_1^{19}x_5x_4x_3^2 -$$
$$131072u_5^2u_4^{21}u_1^{17}x_5x_3 - 262144u_6u_5u_4^{19}u_1^{18}x_4x_3^2 +$$
$$(131072u_6u_5u_4^{21}u_1^{17} + 524288u_6u_4^{20}u_1^{19})x_4x_3 -$$
$$262144u_6u_5^2u_4^{20}u_1^{18}x_3$$

Reduced to zero.

1649. Creating S-polynomial from the pair (p_{21}, p_{105}).
Skipping pair p_{21} and p_{105} because gcd of their leading monoms is zero.

1650. Creating S-polynomial from the pair (p_{21}, p_{106}).
Skipping pair p_{21} and p_{106} because gcd of their leading monoms is zero.

1651. Creating S-polynomial from the pair (p_{22}, p_{32}).
Skipping pair p_{22} and p_{32} because gcd of their leading monoms is zero.

1652. Creating S-polynomial from the pair (p_{22}, p_{33}).
Skipping pair p_{22} and p_{33} because gcd of their leading monoms is zero.

1653. Creating S-polynomial from the pair (p_{22}, p_{34}).
Skipping pair p_{22} and p_{34} because gcd of their leading monoms is zero.

1654. Creating S-polynomial from the pair (p_{22}, p_{35}).
Skipping pair p_{22} and p_{35} because gcd of their leading monoms is zero.

1655. Creating S-polynomial from the pair (p_{22}, p_{36}).
Skipping pair p_{22} and p_{36} because gcd of their leading monoms is zero.

1656. Creating S-polynomial from the pair (p_{22}, p_{37}).
Skipping pair p_{22} and p_{37} because gcd of their leading monoms is zero.

1657. Creating S-polynomial from the pair (p_{22}, p_{38}).
Skipping pair p_{22} and p_{38} because gcd of their leading monoms is zero.

1658. Creating S-polynomial from the pair (p_{22}, p_{39}).
Forming S-pol of p_{22} and p_{39}:

$$p_{379} = -8u_4^9u_1^3x_{16} + 4u_4^{10}u_1^2x_5 - 8u_6u_4^7u_1^3x_3^2 + (-4u_6u_4^9u_1^2 + 16u_6u_4^7u_1^4)x_3$$

Reduced to zero.

1659. Creating S-polynomial from the pair (p_{22}, p_{40}).
Forming S-pol of p_{22} and p_{40}:

$$p_{380} = 256u_4^{16}u_1^8x_{16}x_4 - 512u_4^{14}u_1^9x_{14}x_5x_3 + 256u_4^{15}u_1^8x_5x_4x_3 - 128u_4^{17}u_1^7x_5x_4 - 256u_5u_4^{14}u_1^8x_5x_3^2 + 512u_5u_4^{14}u_1^9x_5x_3 + 256u_6u_4^{14}u_1^8x_4x_3^2 + (128u_6u_4^{16}u_1^7 - 512u_6u_4^{14}u_1^9)x_4x_3$$

Reduced to zero.

1660. Creating S-polynomial from the pair (p_{22}, p_{41}).
Skipping pair p_{22} and p_{41} because gcd of their leading monoms is zero.

1661. Creating S-polynomial from the pair (p_{22}, p_{42}).
Skipping pair p_{22} and p_{42} because gcd of their leading monoms is zero.

1662. Creating S-polynomial from the pair (p_{22}, p_{43}).
Forming S-pol of p_{22} and p_{43}:

$$p_{381} = -256u_5u_4^{15}u_1^8x_{16}x_4 + 512u_6u_4^{13}u_1^9x_{14}x_4x_3 + 128u_5u_4^{16}u_1^7x_5x_4 + (-128u_6u_5u_4^{15}u_1^7 - 512u_6u_4^{14}u_1^9)x_4x_3 + 256u_6u_5^2u_4^{14}u_1^8x_3$$

Reduced to zero.

1663. Creating S-polynomial from the pair (p_{22}, p_{44}).
Skipping pair p_{22} and p_{44} because gcd of their leading monoms is zero.

1664. Creating S-polynomial from the pair (p_{22}, p_{45}).
Skipping pair p_{22} and p_{45} because gcd of their leading monoms is zero.

1665. Creating S-polynomial from the pair (p_{22}, p_{46}).
Skipping pair p_{22} and p_{46} because gcd of their leading monoms is zero.

1666. Creating S-polynomial from the pair (p_{22}, p_{47}).
Skipping pair p_{22} and p_{47} because gcd of their leading monoms is zero.

1667. Creating S-polynomial from the pair (p_{22}, p_{48}).
Skipping pair p_{22} and p_{48} because gcd of their leading monoms is zero.

1668. Creating S-polynomial from the pair (p_{22}, p_{49}).
Skipping pair p_{22} and p_{49} because gcd of their leading monoms is zero.

1669. Creating S-polynomial from the pair (p_{22}, p_{50}).
Skipping pair p_{22} and p_{50} because gcd of their leading monoms is zero.

1670. Creating S-polynomial from the pair (p_{22}, p_{51}).
Skipping pair p_{22} and p_{51} because gcd of their leading monoms is zero.

1671. Creating S-polynomial from the pair (p_{22}, p_{52}).
Skipping pair p_{22} and p_{52} because gcd of their leading monoms is zero.

1672. Creating S-polynomial from the pair (p_{22}, p_{53}).
Skipping pair p_{22} and p_{53} because gcd of their leading monoms is zero.

1673. Creating S-polynomial from the pair (p_{22}, p_{54}).
Skipping pair p_{22} and p_{54} because gcd of their leading monoms is zero.

1674. Creating S-polynomial from the pair (p_{22}, p_{55}).
Skipping pair p_{22} and p_{55} because gcd of their leading monoms is zero.

1675. Creating S-polynomial from the pair (p_{22}, p_{56}).
Skipping pair p_{22} and p_{56} because gcd of their leading monoms is zero.

1676. Creating S-polynomial from the pair (p_{22}, p_{57}).
Skipping pair p_{22} and p_{57} because gcd of their leading monoms is zero.

1677. Creating S-polynomial from the pair (p_{22}, p_{58}).
Skipping pair p_{22} and p_{58} because gcd of their leading monoms is zero.

1678. Creating S-polynomial from the pair (p_{22}, p_{59}).
Skipping pair p_{22} and p_{59} because gcd of their leading monoms is zero.

1679. Creating S-polynomial from the pair (p_{22}, p_{60}).
Skipping pair p_{22} and p_{60} because gcd of their leading monoms is zero.

1680. Creating S-polynomial from the pair (p_{22}, p_{61}).
Skipping pair p_{22} and p_{61} because gcd of their leading monoms is zero.

1681. Creating S-polynomial from the pair (p_{22}, p_{62}).
Skipping pair p_{22} and p_{62} because gcd of their leading monoms is zero.

1682. Creating S-polynomial from the pair (p_{22}, p_{63}).
Skipping pair p_{22} and p_{63} because gcd of their leading monoms is zero.

1683. Creating S-polynomial from the pair (p_{22}, p_{64}).
Skipping pair p_{22} and p_{64} because gcd of their leading monoms is zero.

1684. Creating S-polynomial from the pair (p_{22}, p_{65}).
Forming S-pol of p_{22} and p_{65}:

$$p_{382} = (2048u_4^{16}u_1^{11} + 8192u_4^{14}u_1^{13})x_{16}x_{14} - 8192u_4^{13}u_1^{13}x_{16}x_4x_3+$$
$$(1024u_5u_4^{16}u_1^{10} - 16384u_5u_4^{12}u_1^{14})x_{16}x_3 + 8192u_4^{13}u_1^{13}x_{14}x_5x_3+$$
$$(-1024u_4^{17}u_1^{10} - 4096u_4^{15}u_1^{12})x_{14}x_5+$$
$$(1024u_6u_4^{16}u_1^{10} + 4096u_6u_4^{14}u_1^{12})x_{14}x_3 + 4096u_5u_4^{13}u_1^{12}x_5x_3^2-$$
$$512u_5u_4^{17}u_1^{9}x_5x_3 + 1024u_6u_4^{15}u_1^{10}x_4x_3^2-$$
$$2048u_6u_4^{15}u_1^{11}x_4x_3 + (512u_6u_5u_4^{16}u_1^{9} + 2048u_6u_5u_4^{14}u_1^{11})x_3^2$$

Reduced to zero.

1685. Creating S-polynomial from the pair (p_{22}, p_{66}).
Skipping pair p_{22} and p_{66} because gcd of their leading monoms is zero.

1686. Creating S-polynomial from the pair (p_{22}, p_{67}).
Forming S-pol of p_{22} and p_{67}: Polynomial too big for output (text size is 1178 characters, number of terms is 16)
Reduced to zero.

1687. Creating S-polynomial from the pair (p_{22}, p_{68}).
Forming S-pol of p_{22} and p_{68}:

$$p_{383} = -256u_4^{9}u_1^{8}x_{16}x_{14} + 256u_4^{8}u_1^{8}x_{16}x_4x_3 + 512u_5u_4^{7}u_1^{9}x_{16}x_3-$$
$$256u_4^{8}u_1^{8}x_{14}x_5x_3 + 128u_4^{10}u_1^{7}x_{14}x_5 - 256u_6u_4^{9}u_1^{7}x_{14}x_3-$$
$$128u_5u_4^{8}u_1^{7}x_5x_3^2 + 64u_6u_4^{10}u_1^{6}x_4x_3 - 64u_6u_5u_4^{9}u_1^{6}x_3^2$$

Reduced to zero.

1688. Creating S-polynomial from the pair (p_{22}, p_{69}).
Forming S-pol of p_{22} and p_{69}:

$$p_{384} = (512u_4^{15}u_1^{9} + 2048u_4^{13}u_1^{11})x_{16}x_{14} - 512u_4^{14}u_1^{9}x_{16}x_4x_3+$$
$$256u_5u_4^{15}u_1^{8}x_{16}x_3 + 512u_4^{14}u_1^{9}x_{14}x_5x_3+$$

$$(-256u_4^{16}u_1^8 - 1024u_4^{14}u_1^{10})x_{14}x_5+$$
$$(256u_6u_4^{15}u_1^8 + 1024u_6u_4^{13}u_1^{10} - 4096u_6u_4^{11}u_1^{12})x_{14}x_3+$$
$$256u_5u_4^{14}u_1^8x_5x_3^2+$$
$$(-128u_5u_4^{16}u_1^7 - 512u_5u_4^{14}u_1^9)x_5x_3 + 1024u_6u_4^{12}u_1^{10}x_4x_3^2+$$
$$(128u_6u_5u_4^{15}u_1^7 + 512u_6u_5u_4^{13}u_1^9)x_3^2$$

Reduced to zero.

1689. Creating S-polynomial from the pair (p_{22}, p_{70}).

Forming S-pol of p_{22} and p_{70}:

$$p_{385} = (32u_4^{13}u_1^5 + 128u_4^{11}u_1^7)x_{16}^2 + (-16u_4^{14}u_1^4 - 64u_4^{12}u_1^6)x_{16}x_5+$$
$$(32u_6u_4^{13}u_1^4 + 64u_6u_4^{11}u_1^6 - 256u_6u_4^9u_1^8)x_{16}x_3+$$
$$(16u_6u_4^{12}u_1^4 + 64u_6u_4^{10}u_1^6)x_5x_3^2+$$
$$(-8u_6u_4^{14}u_1^3 - 32u_6u_4^{12}u_1^5)x_5x_3+$$
$$(8u_6^2u_4^{13}u_1^3 + 32u_6^2u_4^{11}u_1^5)x_3^2$$

Reduced to zero.

1690. Creating S-polynomial from the pair (p_{22}, p_{71}).

Forming S-pol of p_{22} and p_{71}:

$$p_{386} = -256u_4^9u_1^8x_{16}x_{14} - 128u_5u_4^9u_1^7x_{16}x_3 + 128u_4^{10}u_1^7x_{14}x_5+$$
$$(-128u_6u_4^9u_1^7 + 512u_6u_4^7u_1^9)x_{14}x_3 + 64u_5u_4^{10}u_1^6x_5x_3-$$
$$128u_6u_4^8u_1^7x_4x_3^2 - 64u_6u_5u_4^9u_1^6x_3^2$$

Reduced to zero.

1691. Creating S-polynomial from the pair (p_{22}, p_{72}).

Forming S-pol of p_{22} and p_{72}:

$$p_{387} = (4096u_4^{22}u_1^{12} + 16384u_4^{20}u_1^{14})x_{16}^2x_4 - 8192u_4^{20}u_1^{13}x_{16}x_{14}x_5x_3+$$
$$4096u_4^{21}u_1^{12}x_{16}x_5x_4x_3 + (-2048u_4^{23}u_1^{11} - 8192u_4^{21}u_1^{13})x_{16}x_5x_4+$$
$$(-2048u_5u_4^{22}u_1^{11} + 8192u_5u_4^{20}u_1^{13})x_{16}x_5x_3+$$
$$(4096u_6u_4^{22}u_1^{11} + 8192u_6u_4^{20}u_1^{13} - 32768u_6u_4^{18}u_1^{15})x_{16}x_4x_3+$$
$$(2048u_6u_4^{21}u_1^{11} + 8192u_6u_4^{19}u_1^{13})x_5x_4x_3^2+$$
$$(-1024u_6u_4^{23}u_1^{10} - 4096u_6u_4^{21}u_1^{12})x_5x_4x_3+$$
$$(-1024u_6u_5u_4^{22}u_1^{10} - 4096u_5u_4^{21}u_1^{12})x_5x_3^2 + 2048u_5u_4^{23}u_1^{11}x_5x_3+$$
$$(1024u_6^2u_4^{22}u_1^{10} + 4096u_6^2u_4^{20}u_1^{12})x_4x_3^2+$$
$$2048u_6^2u_5u_4^{21}u_1^{11}x_3^2 - 1024u_6^2u_5u_4^{23}u_1^{10}x_3$$

Reduced to zero.

1692. Creating S-polynomial from the pair (p_{22}, p_{73}).
Forming S-pol of p_{22} and p_{73}:

$$p_{388} = -16u_4^7u_1^4x_{16}^2 + 8u_4^8u_1^3x_{16}x_5 +$$
$$(-16u_6u_4^7u_1^3 + 32u_6u_4^5u_1^5)x_{16}x_3 - 8u_6u_4^6u_1^3x_5x_3^2 +$$
$$4u_6u_4^8u_1^2x_5x_3 - 4u_6^2u_4^7u_1^2x_3^2$$

Reduced to zero.

1693. Creating S-polynomial from the pair (p_{22}, p_{74}).
Skipping pair p_{22} and p_{74} because gcd of their leading monoms is zero.

1694. Creating S-polynomial from the pair (p_{22}, p_{75}).
Skipping pair p_{22} and p_{75} because gcd of their leading monoms is zero.

1695. Creating S-polynomial from the pair (p_{22}, p_{76}).
Skipping pair p_{22} and p_{76} because gcd of their leading monoms is zero.

1696. Creating S-polynomial from the pair (p_{22}, p_{77}).
Skipping pair p_{22} and p_{77} because gcd of their leading monoms is zero.

1697. Creating S-polynomial from the pair (p_{22}, p_{78}).
Skipping pair p_{22} and p_{78} because gcd of their leading monoms is zero.

1698. Creating S-polynomial from the pair (p_{22}, p_{79}).
Skipping pair p_{22} and p_{79} because gcd of their leading monoms is zero.

1699. Creating S-polynomial from the pair (p_{22}, p_{80}).
Skipping pair p_{22} and p_{80} because gcd of their leading monoms is zero.

1700. Creating S-polynomial from the pair (p_{22}, p_{81}).
Skipping pair p_{22} and p_{81} because gcd of their leading monoms is zero.

1701. Creating S-polynomial from the pair (p_{22}, p_{82}).
Skipping pair p_{22} and p_{82} because gcd of their leading monoms is zero.

1702. Creating S-polynomial from the pair (p_{22}, p_{83}).
Skipping pair p_{22} and p_{83} because gcd of their leading monoms is zero.

1703. Creating S-polynomial from the pair (p_{22}, p_{84}).
Skipping pair p_{22} and p_{84} because gcd of their leading monoms is zero.

1704. Creating S-polynomial from the pair (p_{22}, p_{85}).
Skipping pair p_{22} and p_{85} because gcd of their leading monoms is zero.

1705. Creating S-polynomial from the pair (p_{22}, p_{86}).
Skipping pair p_{22} and p_{86} because gcd of their leading monoms is zero.

1706. Creating S-polynomial from the pair (p_{22}, p_{87}).
Skipping pair p_{22} and p_{87} because gcd of their leading monoms is zero.

1707. Creating S-polynomial from the pair (p_{22}, p_{88}).

Forming S-pol of p_{22} and p_{88}:

$$p_{389} = 1024u_5u_4^{13}u_1^{10}x_{16} - 2048u_6u_4^{11}u_1^{11}x_{14}x_3 - 512u_5u_4^{14}u_1^9x_5+$$
$$1024u_6u_4^{12}u_1^{10}x_4x_3 + 512u_6u_5u_4^{13}u_1^9x_3$$

Reduced to zero.

1708. Creating S-polynomial from the pair (p_{22}, p_{89}).

Skipping pair p_{22} and p_{89} because gcd of their leading monoms is zero.

1709. Creating S-polynomial from the pair (p_{22}, p_{90}).

Forming S-pol of p_{22} and p_{90}:

$$p_{390} = -1048576u_5u_4^{21}u_1^{20}x_{16}x_{14} - 1048576u_5u_4^{20}u_1^{20}x_{16}x_4x_3-$$
$$524288u_5^2u_4^{21}u_1^{19}x_{16}x_3 + 2097152u_6u_4^{19}u_1^{21}x_{14}^2x_3+$$
$$524288u_5u_4^{22}u_1^{19}x_{14}x_5 + 524288u_5u_4^{21}u_1^{19}x_5x_4x_3+$$
$$262144u_5^2u_4^{22}u_1^{18}x_5x_3+$$
$$(-262144u_6u_5u_4^{22}u_1^{18} - 1048576u_6u_4^{21}u_1^{20})x_4x_3+$$
$$524288u_6u_5^2u_4^{21}u_1^{19}x_3$$

Reduced to zero.

1710. Creating S-polynomial from the pair (p_{22}, p_{91}).

Forming S-pol of p_{22} and p_{91}:

$$p_{391} = -512u_4^9u_1^9x_{16}x_{14} - 256u_5u_4^9u_1^8x_{16}x_3 + 256u_4^{10}u_1^8x_{14}x_5+$$
$$(-256u_6u_4^9u_1^8 + 1024u_6u_4^7u_1^{10})x_{14}x_3 + 128u_5u_4^{10}u_1^7x_5x_3-$$
$$256u_6u_4^8u_1^8x_4x_3^2 - 128u_6u_5u_4^9u_1^7x_3^2$$

Reduced to zero.

1711. Creating S-polynomial from the pair (p_{22}, p_{92}).

Forming S-pol of p_{22} and p_{92}:

$$p_{392} = -512u_4^9u_1^9x_{16}x_{14} + 512u_4^8u_1^9x_{16}x_4x_3 + 1024u_5u_4^7u_1^{10}x_{16}x_3-$$
$$512u_4^8u_1^9x_{14}x_5x_3 + 256u_4^{10}u_1^8x_{14}x_5 - 512u_6u_4^9u_1^8x_{14}x_3-$$
$$256u_5u_4^8u_1^8x_5x_3^2 + 128u_6u_4^{10}u_1^7x_4x_3 - 128u_6u_5u_4^9u_1^7x_3^2$$

Reduced to zero.

1712. Creating S-polynomial from the pair (p_{22}, p_{93}).

Forming S-pol of p_{22} and p_{93}:

$$p_{393} = (1024u_4^{17}u_1^{10} - 2048u_4^{15}u_1^{11})x_{16}x_4 - 2048u_4^{15}u_1^{11}x_{14}x_5x_3+$$
$$(8192u_4^{12}u_1^{13} - 4096u_4^{12}u_1^{12})x_5x_4x_3^2+$$
$$(1024u_4^{16}u_1^{10} - 4096u_4^{14}u_1^{12})x_5x_4x_3+$$
$$(-512u_4^{18}u_1^{9} + 1024u_4^{16}u_1^{10})x_5x_4 - 1024u_5u_4^{15}u_1^{10}x_5x_3^2+$$
$$2048u_5u_4^{15}u_1^{11}x_5x_3+$$
$$(1024u_6u_4^{15}u_1^{10} + 4096u_6u_4^{13}u_1^{12} - 2048u_6u_4^{13}u_1^{11})x_4x_3^2+$$
$$(512u_6u_4^{17}u_1^{9} - 2048u_6u_4^{15}u_1^{11} - 1024u_6u_4^{15}u_1^{10})x_4x_3$$

S-pol added.

1713. Creating S-polynomial from the pair (p_{22}, p_{94}).

Forming S-pol of p_{22} and p_{94}:

$$p_{394} = -16u_4^{9}u_1^{4}x_{16} + 8u_4^{10}u_1^{3}x_5 - 16u_6u_4^{7}u_1^{4}x_3^2+$$
$$(-8u_6u_4^{9}u_1^{3} + 32u_6u_4^{7}u_1^{5})x_3$$

Reduced to zero.

1714. Creating S-polynomial from the pair (p_{22}, p_{95}).

Skipping pair p_{22} and p_{95} because gcd of their leading monoms is zero.

1715. Creating S-polynomial from the pair (p_{22}, p_{96}).

Skipping pair p_{22} and p_{96} because gcd of their leading monoms is zero.

1716. Creating S-polynomial from the pair (p_{22}, p_{97}).

Skipping pair p_{22} and p_{97} because gcd of their leading monoms is zero.

1717. Creating S-polynomial from the pair (p_{22}, p_{98}).

Skipping pair p_{22} and p_{98} because gcd of their leading monoms is zero.

1718. Creating S-polynomial from the pair (p_{22}, p_{99}).

Forming S-pol of p_{22} and p_{99}: Polynomial too big for output (text size is 2440 characters, number of terms is 29)

Reduced to zero.

1719. Creating S-polynomial from the pair (p_{22}, p_{100}).

Skipping pair p_{22} and p_{100} because gcd of their leading monoms is zero.

1720. Creating S-polynomial from the pair (p_{22}, p_{101}).

Skipping pair p_{22} and p_{101} because gcd of their leading monoms is zero.

1721. Creating S-polynomial from the pair (p_{22}, p_{102}).

Skipping pair p_{22} and p_{102} because gcd of their leading monoms is zero.

1722. Creating S-polynomial from the pair (p_{22}, p_{103}).

Forming S-pol of p_{22} and p_{103}: Polynomial too big for output (text size is 2451 characters, number of terms is 29)

Reduced to zero.

1723. Creating S-polynomial from the pair (p_{22}, p_{104}).

Forming S-pol of p_{22} and p_{104}:

$$p_{395} = -1048576u_4^{19}u_1^{20}x_{16}x_{14}x_4 + 1048576u_5u_4^{18}u_1^{20}x_{16}x_{14}x_3+$$
$$(2097152u_5u_4^{17}u_1^{21} + 2097152u_4^{18}u_1^{21})x_{16}x_4x_3+$$
$$(262144u_5^2u_4^{20}u_1^{18} - 1048576u_5^2u_4^{18}u_1^{20})x_{16}x_3-$$
$$1048576u_6u_4^{18}u_1^{20}x_{14}^2x_3 - 1048576u_4^{18}u_1^{20}x_{14}x_5x_4x_3+$$
$$524288u_4^{20}u_1^{19}x_{14}x_5x_4 - 524288u_5u_4^{19}u_1^{19}x_{14}x_5x_3-$$
$$524288u_6u_4^{19}u_1^{19}x_{14}x_4x_3 - 262144u_6u_5u_4^{20}u_1^{18}x_{14}x_3-$$
$$524288u_5u_4^{18}u_1^{19}x_5x_4x_3^2 - 131072u_5^2u_4^{21}u_1^{17}x_5x_3-$$
$$262144u_6u_5u_4^{19}u_1^{18}x_4x_3^2+$$
$$(131072u_6u_5u_4^{21}u_1^{17} + 524288u_6u_4^{20}u_1^{19})x_4x_3-$$
$$262144u_6u_5^2u_4^{20}u_1^{18}x_3$$

Reduced to zero.

1724. Creating S-polynomial from the pair (p_{22}, p_{105}).

Forming S-pol of p_{22} and p_{105}:

$$p_{396} = 32u_4^8u_1^5x_{16}x_4 + 128u_5u_4^5u_1^7x_{16}x_3 - 64u_4^6u_1^6x_{14}x_5x_3-$$
$$128u_6u_4^5u_1^7x_{14}x_3 + 32u_4^7u_1^5x_5x_4x_3 - 16u_4^9u_1^4x_5x_4-$$
$$32u_5u_4^6u_1^5x_5x_3^2 + 32u_6u_4^6u_1^5x_4x_3^2 + 16u_6u_4^8u_1^4x_4x_3$$

Reduced to zero.

1725. Creating S-polynomial from the pair (p_{22}, p_{106}).

Forming S-pol of p_{22} and p_{106}:

$$p_{397} = 512u_4^{16}u_1^9x_{16}x_4 - 1024u_4^{14}u_1^{10}x_{14}x_5x_3+$$
$$(4096u_4^{11}u_1^{12} - 2048u_4^{11}u_1^{11})x_5x_4x_3^2+$$
$$(512u_4^{15}u_1^9 - 2048u_4^{13}u_1^{11})x_5x_4x_3 - 256u_4^{17}u_1^8x_5x_4-$$
$$512u_5u_4^{14}u_1^9x_5x_3^2 + 1024u_5u_4^{14}u_1^{10}x_5x_3+$$
$$(512u_6u_4^{14}u_1^9 + 2048u_6u_4^{12}u_1^{11})x_4x_3^2+$$
$$(256u_6u_4^{16}u_1^8 - 1024u_6u_4^{14}u_1^{10} - 2048u_6u_4^{12}u_1^{11})x_4x_3$$

S-pol added.

1726. Creating S-polynomial from the pair (p_{23}, p_{32}).
Skipping pair p_{23} and p_{32} because gcd of their leading monoms is zero.

1727. Creating S-polynomial from the pair (p_{23}, p_{33}).
Skipping pair p_{23} and p_{33} because gcd of their leading monoms is zero.

1728. Creating S-polynomial from the pair (p_{23}, p_{34}).
Skipping pair p_{23} and p_{34} because gcd of their leading monoms is zero.

1729. Creating S-polynomial from the pair (p_{23}, p_{35}).
Forming S-pol of p_{23} and p_{35}:

$$p_{398} = 4u_5u_3^6u_1^2x_2^2 - 8u_5u_3^6u_1^3x_2 + 4u_5u_3^8u_1^2$$

Reduced to zero.

1730. Creating S-polynomial from the pair (p_{23}, p_{36}).
Skipping pair p_{23} and p_{36} because gcd of their leading monoms is zero.

1731. Creating S-polynomial from the pair (p_{23}, p_{37}).
Skipping pair p_{23} and p_{37} because gcd of their leading monoms is zero.

1732. Creating S-polynomial from the pair (p_{23}, p_{38}).
Skipping pair p_{23} and p_{38} because gcd of their leading monoms is zero.

1733. Creating S-polynomial from the pair (p_{23}, p_{39}).
Skipping pair p_{23} and p_{39} because gcd of their leading monoms is zero.

1734. Creating S-polynomial from the pair (p_{23}, p_{40}).
Skipping pair p_{23} and p_{40} because gcd of their leading monoms is zero.

1735. Creating S-polynomial from the pair (p_{23}, p_{41}).
Skipping pair p_{23} and p_{41} because gcd of their leading monoms is zero.

1736. Creating S-polynomial from the pair (p_{23}, p_{42}).
Skipping pair p_{23} and p_{42} because gcd of their leading monoms is zero.

1737. Creating S-polynomial from the pair (p_{23}, p_{43}).
Skipping pair p_{23} and p_{43} because gcd of their leading monoms is zero.

1738. Creating S-polynomial from the pair (p_{23}, p_{44}).
Forming S-pol of p_{23} and p_{44}:

$$\begin{gathered}
p_{399} = (-8u_5u_3^{12}u_1^3 + 128u_5u_3^8u_1^7)x_6x_2 + \\
(-16u_5u_3^{12}u_1^4 - 64u_5u_3^{10}u_1^6)x_6 + \\
(-8u_5u_3^{11}u_1^3 - 32u_5u_3^9u_1^5)x_4x_2^2 + \\
(4u_5u_3^{13}u_1^2 + 16u_5u_3^{11}u_1^4)x_4x_2 + \\
(-4u_5^2u_3^{12}u_1^2 - 16u_5^2u_3^{10}u_1^4)x_2^2
\end{gathered}$$

Reduced to zero.

1739. Creating S-polynomial from the pair (p_{23}, p_{45}).

Forming S-pol of p_{23} and p_{45}:

$$p_{400} = -1024u_3^{14}u_1^{10}x_8x_4x_2 + (-512u_5u_3^{15}u_1^9 + 8192u_5u_3^{11}u_1^{13})x_8x_2+$$
$$(-1024u_5u_3^{15}u_1^{10} - 4096u_5u_3^{13}u_1^{12})x_8 + 1024u_3^{14}u_1^{10}x_6x_5x_2-$$
$$2048u_5u_3^{12}u_1^{11}x_5x_2^2 + 256u_5u_3^{16}u_1^8x_5x_2-$$
$$512u_6u_3^{14}u_1^9x_4x_2^2 + 1024u_6u_3^{14}u_1^{10}x_4x_2+$$
$$(-256u_6u_5u_3^{15}u_1^8 - 1024u_6u_5u_3^{13}u_1^{10})x_2^2$$

Reduced to zero.

1740. Creating S-polynomial from the pair (p_{23}, p_{46}).

Forming S-pol of p_{23} and p_{46}:

$$p_{401} = (4u_5u_3^6u_1^2 - 16u_5u_3^4u_1^4)x_6x_2 + 8u_5u_3^6u_1^3x_6+$$
$$4u_5u_3^5u_1^2x_4x_2^2 - 2u_5u_3^7u_1x_4x_2 + 2u_5^2u_3^6u_1x_2^2$$

Reduced to zero.

1741. Creating S-polynomial from the pair (p_{23}, p_{47}).

Forming S-pol of p_{23} and p_{47}: Polynomial too big for output (text size is 1010 characters, number of terms is 14)

Reduced to zero.

1742. Creating S-polynomial from the pair (p_{23}, p_{48}).

Forming S-pol of p_{23} and p_{48}:

$$p_{402} = -256u_5u_3^6u_1^8x_8x_2 + 128u_5u_3^8u_1^7x_8 + 64u_6u_3^8u_1^6x_6x_2+$$
$$64u_5u_3^7u_1^6x_5x_2^2 - 32u_6u_3^9u_1^5x_4x_2 + 32u_6u_5u_3^8u_1^5x_2^2$$

Reduced to zero.

1743. Creating S-polynomial from the pair (p_{23}, p_{49}).

Forming S-pol of p_{23} and p_{49}:

$$p_{403} = -1024u_3^{11}u_1^{10}x_8x_4x_2 - 128u_5u_3^{14}u_1^7x_8x_2+$$
$$(-256u_5u_3^{14}u_1^8 - 1024u_5u_3^{12}u_1^{10})x_8 + 1024u_3^{11}u_1^{10}x_6x_5x_2+$$
$$2048u_6u_3^{10}u_1^{11}x_6x_2 - 128u_5u_3^{13}u_1^7x_5x_2^2+$$
$$(64u_5u_3^{15}u_1^6 + 256u_5u_3^{13}u_1^8)x_5x_2 - 512u_6u_3^{11}u_1^9x_4x_2^2+$$
$$(-64u_6u_5u_3^{14}u_1^6 - 256u_6u_5u_3^{12}u_1^8)x_2^2$$

Reduced to zero.

1744. Creating S-polynomial from the pair (p_{23}, p_{50}).

Skipping pair p_{23} and p_{50} because gcd of their leading monoms is zero.

1745. Creating S-polynomial from the pair (p_{23}, p_{51}).
Forming S-pol of p_{23} and p_{51}:

$$p_{404} = 128u_3^7u_1^7x_8x_4x_2 + 64u_5u_3^8u_1^6x_8x_2 + 128u_5u_3^8u_1^7x_8 -$$
$$128u_3^7u_1^7x_6x_5x_2 - 256u_6u_3^6u_1^8x_6x_2 - 32u_5u_3^9u_1^5x_5x_2 +$$
$$64u_6u_3^7u_1^6x_4x_2^2 + 32u_6u_5u_3^8u_1^5x_2^2$$

Reduced to zero.

1746. Creating S-polynomial from the pair (p_{23}, p_{52}).
Skipping pair p_{23} and p_{52} because gcd of their leading monoms is zero.

1747. Creating S-polynomial from the pair (p_{23}, p_{53}).
Skipping pair p_{23} and p_{53} because gcd of their leading monoms is zero.

1748. Creating S-polynomial from the pair (p_{23}, p_{54}).
Skipping pair p_{23} and p_{54} because gcd of their leading monoms is zero.

1749. Creating S-polynomial from the pair (p_{23}, p_{55}).
Skipping pair p_{23} and p_{55} because gcd of their leading monoms is zero.

1750. Creating S-polynomial from the pair (p_{23}, p_{56}).
Skipping pair p_{23} and p_{56} because gcd of their leading monoms is zero.

1751. Creating S-polynomial from the pair (p_{23}, p_{57}).
Skipping pair p_{23} and p_{57} because gcd of their leading monoms is zero.

1752. Creating S-polynomial from the pair (p_{23}, p_{58}).
Skipping pair p_{23} and p_{58} because gcd of their leading monoms is zero.

1753. Creating S-polynomial from the pair (p_{23}, p_{59}).
Skipping pair p_{23} and p_{59} because gcd of their leading monoms is zero.

1754. Creating S-polynomial from the pair (p_{23}, p_{60}).
Skipping pair p_{23} and p_{60} because gcd of their leading monoms is zero.

1755. Creating S-polynomial from the pair (p_{23}, p_{61}).
Skipping pair p_{23} and p_{61} because gcd of their leading monoms is zero.

1756. Creating S-polynomial from the pair (p_{23}, p_{62}).
Skipping pair p_{23} and p_{62} because gcd of their leading monoms is zero.

1757. Creating S-polynomial from the pair (p_{23}, p_{63}).
Skipping pair p_{23} and p_{63} because gcd of their leading monoms is zero.

1758. Creating S-polynomial from the pair (p_{23}, p_{64}).
Skipping pair p_{23} and p_{64} because gcd of their leading monoms is zero.

1759. Creating S-polynomial from the pair (p_{23}, p_{65}).
Skipping pair p_{23} and p_{65} because gcd of their leading monoms is zero.

1760. Creating S-polynomial from the pair (p_{23}, p_{66}).
Skipping pair p_{23} and p_{66} because gcd of their leading monoms is zero.

1761. Creating S-polynomial from the pair (p_{23}, p_{67}).
Skipping pair p_{23} and p_{67} because gcd of their leading monoms is zero.

1762. Creating S-polynomial from the pair (p_{23}, p_{68}).
Skipping pair p_{23} and p_{68} because gcd of their leading monoms is zero.

1763. Creating S-polynomial from the pair (p_{23}, p_{69}).
Skipping pair p_{23} and p_{69} because gcd of their leading monoms is zero.

1764. Creating S-polynomial from the pair (p_{23}, p_{70}).
Skipping pair p_{23} and p_{70} because gcd of their leading monoms is zero.

1765. Creating S-polynomial from the pair (p_{23}, p_{71}).
Skipping pair p_{23} and p_{71} because gcd of their leading monoms is zero.

1766. Creating S-polynomial from the pair (p_{23}, p_{72}).
Skipping pair p_{23} and p_{72} because gcd of their leading monoms is zero.

1767. Creating S-polynomial from the pair (p_{23}, p_{73}).
Skipping pair p_{23} and p_{73} because gcd of their leading monoms is zero.

1768. Creating S-polynomial from the pair (p_{23}, p_{74}).
Skipping pair p_{23} and p_{74} because gcd of their leading monoms is zero.

1769. Creating S-polynomial from the pair (p_{23}, p_{75}).
Skipping pair p_{23} and p_{75} because gcd of their leading monoms is zero.

1770. Creating S-polynomial from the pair (p_{23}, p_{76}).
Skipping pair p_{23} and p_{76} because gcd of their leading monoms is zero.

1771. Creating S-polynomial from the pair (p_{23}, p_{77}).
Skipping pair p_{23} and p_{77} because gcd of their leading monoms is zero.

1772. Creating S-polynomial from the pair (p_{23}, p_{78}).
Skipping pair p_{23} and p_{78} because gcd of their leading monoms is zero.

1773. Creating S-polynomial from the pair (p_{23}, p_{79}).
Skipping pair p_{23} and p_{79} because gcd of their leading monoms is zero.

1774. Creating S-polynomial from the pair (p_{23}, p_{80}).
Skipping pair p_{23} and p_{80} because gcd of their leading monoms is zero.

1775. Creating S-polynomial from the pair (p_{23}, p_{81}).
Skipping pair p_{23} and p_{81} because gcd of their leading monoms is zero.

1776. Creating S-polynomial from the pair (p_{23}, p_{82}).
Forming S-pol of p_{23} and p_{82}:

$$p_{405} = 8u_5u_3^6u_1^3x_2^2 - 16u_5u_3^6u_1^4x_2 + 8u_5u_3^8u_1^3$$

Reduced to zero.

1777. Creating S-polynomial from the pair (p_{23}, p_{83}).
Forming S-pol of p_{23} and p_{83}:

$$p_{406} = 1048576u_5u_3^{19}u_1^{19}x_8x_4x_2 + 262144u_5^2u_3^{20}u_1^{18}x_8x_2+$$
$$524288u_5^2u_3^{20}u_1^{19}x_8 - 1048576u_6u_3^{18}u_1^{20}x_6^2x_2-$$
$$524288u_5u_3^{19}u_1^{19}x_6x_5x_2 - 262144u_6u_5u_3^{20}u_1^{18}x_6x_2-$$
$$262144u_5u_3^{20}u_1^{18}x_5x_4x_2 - 131072u_5^2u_3^{21}u_1^{17}x_5x_2+$$
$$(131072u_6u_5u_3^{21}u_1^{17} + 524288u_6u_3^{20}u_1^{19})x_4x_2-$$
$$262144u_6u_5^2u_3^{20}u_1^{18}x_2$$

Reduced to zero.

1778. Creating S-polynomial from the pair (p_{23}, p_{84}).
Forming S-pol of p_{23} and p_{84}:

$$p_{407} = 256u_3^7u_1^8x_8x_4x_2 + 128u_5u_3^8u_1^7x_8x_2 + 256u_5u_3^8u_1^8x_8-$$
$$256u_3^7u_1^8x_6x_5x_2 - 512u_6u_3^6u_1^9x_6x_2 - 64u_5u_3^9u_1^6x_5x_2+$$
$$128u_6u_3^7u_1^7x_4x_2^2 + 64u_6u_5u_3^8u_1^6x_2^2$$

Reduced to zero.

1779. Creating S-polynomial from the pair (p_{23}, p_{85}).
Forming S-pol of p_{23} and p_{85}:

$$p_{408} = -512u_5u_3^6u_1^9x_8x_2 + 256u_5u_3^8u_1^8x_8 + 128u_6u_3^8u_1^7x_6x_2+$$
$$128u_5u_3^7u_1^7x_5x_2^2 - 64u_6u_3^9u_1^6x_4x_2 + 64u_6u_5u_3^8u_1^6x_2^2$$

Reduced to zero.

1780. Creating S-polynomial from the pair (p_{23}, p_{86}).
Skipping pair p_{23} and p_{86} because gcd of their leading monoms is zero.

1781. Creating S-polynomial from the pair (p_{23}, p_{87}).
Skipping pair p_{23} and p_{87} because gcd of their leading monoms is zero.

1782. Creating S-polynomial from the pair (p_{23}, p_{88}).
Skipping pair p_{23} and p_{88} because gcd of their leading monoms is zero.

1783. Creating S-polynomial from the pair (p_{23}, p_{89}).
Skipping pair p_{23} and p_{89} because gcd of their leading monoms is zero.

1784. Creating S-polynomial from the pair (p_{23}, p_{90}).
Skipping pair p_{23} and p_{90} because gcd of their leading monoms is zero.

1785. Creating S-polynomial from the pair (p_{23}, p_{91}).
Skipping pair p_{23} and p_{91} because gcd of their leading monoms is zero.

1786. Creating S-polynomial from the pair (p_{23}, p_{92}).
Skipping pair p_{23} and p_{92} because gcd of their leading monoms is zero.

1787. Creating S-polynomial from the pair (p_{23}, p_{93}).
Skipping pair p_{23} and p_{93} because gcd of their leading monoms is zero.

1788. Creating S-polynomial from the pair (p_{23}, p_{94}).
Skipping pair p_{23} and p_{94} because gcd of their leading monoms is zero.

1789. Creating S-polynomial from the pair (p_{23}, p_{95}).
Forming S-pol of p_{23} and p_{95}:

$$p_{409} = -524288u_5u_3^{17}u_1^{19}x_8x_6x_2 + 524288u_3^{17}u_1^{19}x_8x_4^2x_2+$$
$$(-1048576u_5u_3^{16}u_1^{20} - 1048576u_3^{17}u_1^{20})x_8x_4x_2 + 524288u_5u_3^{18}u_1^{19}x_8x_4+$$
$$(-131072u_5^2u_3^{19}u_1^{17} + 524288u_5^2u_3^{17}u_1^{19})x_8x_2+$$
$$524288u_6u_3^{17}u_1^{19}x_6^2x_2 + 262144u_5u_3^{18}u_1^{18}x_6x_5x_2+$$
$$131072u_6u_5u_3^{19}u_1^{17}x_6x_2 + 262144u_5u_3^{17}u_1^{18}x_5x_4x_2^2+$$
$$65536u_5^2u_3^{20}u_1^{16}x_5x_2 + 131072u_6u_5u_3^{18}u_1^{17}x_4x_2^2+$$
$$(-65536u_6u_5u_3^{20}u_1^{16} - 262144u_6u_3^{19}u_1^{18})x_4x_2+$$
$$131072u_6u_5^2u_3^{19}u_1^{17}x_2$$

Reduced to zero.

1790. Creating S-polynomial from the pair (p_{23}, p_{96}).
Skipping pair p_{23} and p_{96} because gcd of their leading monoms is zero.

1791. Creating S-polynomial from the pair (p_{23}, p_{97}).
Skipping pair p_{23} and p_{97} because gcd of their leading monoms is zero.

1792. Creating S-polynomial from the pair (p_{23}, p_{98}).
Skipping pair p_{23} and p_{98} because gcd of their leading monoms is zero.

1793. Creating S-polynomial from the pair (p_{23}, p_{99}).
Skipping pair p_{23} and p_{99} because gcd of their leading monoms is zero.

1794. Creating S-polynomial from the pair (p_{23}, p_{100}).
Skipping pair p_{23} and p_{100} because gcd of their leading monoms is zero.

1795. Creating S-polynomial from the pair (p_{23}, p_{101}).
Skipping pair p_{23} and p_{101} because gcd of their leading monoms is zero.

1796. Creating S-polynomial from the pair (p_{23}, p_{102}).
Skipping pair p_{23} and p_{102} because gcd of their leading monoms is zero.

1797. Creating S-polynomial from the pair (p_{23}, p_{103}).
Skipping pair p_{23} and p_{103} because gcd of their leading monoms is zero.

1798. Creating S-polynomial from the pair (p_{23}, p_{104}).
Skipping pair p_{23} and p_{104} because gcd of their leading monoms is zero.

1799. Creating S-polynomial from the pair (p_{23}, p_{105}).
Skipping pair p_{23} and p_{105} because gcd of their leading monoms is zero.

1800. Creating S-polynomial from the pair (p_{23}, p_{106}).
Skipping pair p_{23} and p_{106} because gcd of their leading monoms is zero.

1801. Creating S-polynomial from the pair (p_{24}, p_{32}).
Skipping pair p_{24} and p_{32} because gcd of their leading monoms is zero.

1802. Creating S-polynomial from the pair (p_{24}, p_{33}).
Skipping pair p_{24} and p_{33} because gcd of their leading monoms is zero.

1803. Creating S-polynomial from the pair (p_{24}, p_{34}).
Forming S-pol of p_{24} and p_{34}:

$$p_{410} = -128u_3^7u_2^{13}u_1^7x_{12}x_8x_4 + 128u_5u_3^6u_2^{13}u_1^7x_{12}x_8x_2 -$$
$$256u_3^5u_2^{13}u_1^8x_{12}x_6x_5x_2 + 128u_3^7u_2^{13}u_1^7x_{12}x_6x_5 -$$
$$128u_6u_3^6u_2^{13}u_1^7x_{12}x_6x_2 + 256u_3^5u_2^{13}u_1^8x_{10}x_8x_5x_2 +$$
$$128u_5u_3^5u_2^{13}u_1^7x_8x_5x_2x_1 - 256u_5u_3^5u_2^{13}u_1^8x_8x_5x_2 -$$
$$128u_6u_3^5u_2^{13}u_1^7x_8x_4x_2x_1 + 256u_6u_3^5u_2^{13}u_1^8x_8x_4x_2$$

Reduced to zero.

1804. Creating S-polynomial from the pair (p_{24}, p_{35}).
Skipping pair p_{24} and p_{35} because gcd of their leading monoms is zero.

1805. Creating S-polynomial from the pair (p_{24}, p_{36}).
Forming S-pol of p_{24} and p_{36}:

$$p_{411} = 4u_3^{13}u_1^2x_8x_4 - 4u_5u_3^{12}u_1^2x_8x_2 + 8u_3^{11}u_1^3x_6x_5x_2 -$$
$$4u_3^{13}u_1^2x_6x_5 + 4u_6u_3^{12}u_1^2x_6x_2 - 4u_3^{12}u_1^2x_5x_4x_2 +$$
$$4u_6u_3^{11}u_1^2x_4x_2^2 - 8u_6u_3^{11}u_1^3x_4x_2$$

Reduced to zero.

1806. Creating S-polynomial from the pair (p_{24}, p_{37}).

Forming S-pol of p_{24} and p_{37}:

$$p_{412} = -128u_3^{20}u_1^7x_8x_4^2 + 128u_5u_3^{19}u_1^7x_8x_4x_2 + 128u_3^{20}u_1^7x_6x_5x_4 -$$
$$128u_6u_3^{19}u_1^7x_6x_4x_2 + 128u_5u_3^{18}u_1^7x_5x_4x_2^2 -$$
$$256u_5u_3^{18}u_1^8x_5x_4x_2 - 128u_6u_3^{18}u_1^7x_4^2x_2^2 +$$
$$256u_6u_3^{18}u_1^8x_4^2x_2$$

Reduced to zero.

1807. Creating S-polynomial from the pair (p_{24}, p_{38}).

Skipping pair p_{24} and p_{38} because gcd of their leading monoms is zero.

1808. Creating S-polynomial from the pair (p_{24}, p_{39}).

Skipping pair p_{24} and p_{39} because gcd of their leading monoms is zero.

1809. Creating S-polynomial from the pair (p_{24}, p_{40}).

Forming S-pol of p_{24} and p_{40}:

$$p_{413} = -128u_4^{13}u_3^7u_1^7x_{16}x_8x_4 + 128u_5u_4^{13}u_3^6u_1^7x_{16}x_8x_2 -$$
$$256u_4^{13}u_3^5u_1^8x_{16}x_6x_5x_2 + 128u_4^{13}u_3^7u_1^7x_{16}x_6x_5 -$$
$$128u_6u_4^{13}u_3^6u_1^7x_{16}x_6x_2 + 256u_4^{13}u_3^5u_1^8x_{14}x_8x_5x_2 +$$
$$128u_5u_4^{13}u_3^5u_1^7x_8x_5x_3x_2 - 256u_5u_4^{13}u_3^5u_1^8x_8x_5x_2 -$$
$$128u_6u_4^{13}u_3^5u_1^7x_8x_4x_3x_2 + 256u_6u_4^{13}u_3^5u_1^8x_8x_4x_2$$

Reduced to zero.

1810. Creating S-polynomial from the pair (p_{24}, p_{41}).

Forming S-pol of p_{24} and p_{41}:

$$p_{414} = 128u_5u_3^{19}u_1^7x_8x_4^2 - 128u_5^2u_3^{18}u_1^7x_8x_4x_2 +$$
$$256u_5u_3^{17}u_1^8x_6x_5x_4x_2 - 128u_5u_3^{19}u_1^7x_6x_5x_4 -$$
$$256u_6u_3^{17}u_1^8x_6x_4^2x_2 + 128u_6u_5u_3^{18}u_1^7x_6x_4x_2 -$$
$$128u_5u_3^{18}u_1^7x_5x_4^2x_2 + 256u_6u_3^{18}u_1^8x_4^2x_2 -$$
$$128u_6u_5^2u_3^{18}u_1^7x_4x_2$$

Reduced to zero.

1811. Creating S-polynomial from the pair (p_{24}, p_{42}).

Forming S-pol of p_{24} and p_{42}:

$$p_{415} = 128u_5u_3^7u_2^{12}u_1^7x_{12}x_8x_4 - 128u_5^2u_3^6u_2^{12}u_1^7x_{12}x_8x_2 +$$
$$256u_5u_3^5u_2^{12}u_1^8x_{12}x_6x_5x_2 - 128u_5u_3^7u_2^{12}u_1^7x_{12}x_6x_5 +$$
$$128u_6u_5u_3^6u_2^{12}u_1^7x_{12}x_6x_2 - 256u_6u_3^5u_2^{12}u_1^8x_{10}x_8x_4x_2 -$$
$$128u_5u_3^5u_2^{13}u_1^7x_8x_5x_4x_2 + 256u_6u_3^5u_2^{13}u_1^8x_8x_4x_2 -$$
$$128u_6u_5^2u_3^5u_2^{13}u_1^7x_8x_2$$

Reduced to zero.

1812. Creating S-polynomial from the pair (p_{24}, p_{43}).

Forming S-pol of p_{24} and p_{43}:

$$p_{416} = 128u_5u_4^{12}u_3^7u_1^7x_{16}x_8x_4 - 128u_5^2u_4^{12}u_3^6u_1^7x_{16}x_8x_2+$$
$$256u_5u_4^{12}u_3^5u_1^8x_{16}x_6x_5x_2 - 128u_5u_4^{12}u_3^7u_1^7x_{16}x_6x_5+$$
$$128u_6u_5u_4^{12}u_3^6u_1^7x_{16}x_6x_2 - 256u_6u_4^{12}u_3^5u_1^8x_{14}x_8x_4x_2-$$
$$128u_5u_4^{13}u_3^5u_1^7x_8x_5x_4x_2 + 256u_6u_4^{13}u_3^5u_1^8x_8x_4x_2-$$
$$128u_6u_5^2u_4^{13}u_3^5u_1^7x_8x_2$$

Reduced to zero.

1813. Creating S-polynomial from the pair (p_{24}, p_{44}).

Skipping pair p_{24} and p_{44} because gcd of their leading monoms is zero.

1814. Creating S-polynomial from the pair (p_{24}, p_{45}).

Forming S-pol of p_{24} and p_{45}:

$$p_{417} = (-1024u_3^{20}u_1^{10} - 4096u_3^{18}u_1^{12})x_8x_6x_4+$$
$$(1024u_5u_3^{19}u_1^{10} + 4096u_5u_3^{17}u_1^{12})x_8x_6x_2 + 4096u_3^{17}u_1^{12}x_8x_4^2x_2+$$
$$(-512u_5u_3^{20}u_1^9 + 8192u_5u_3^{16}u_1^{13})x_8x_4x_2+$$
$$(-2048u_3^{18}u_1^{11} - 8192u_3^{16}u_1^{13})x_6^2x_5x_2+$$
$$(1024u_3^{20}u_1^{10} + 4096u_3^{18}u_1^{12})x_6^2x_5+$$
$$(-1024u_6u_3^{19}u_1^{10} - 4096u_6u_3^{17}u_1^{12})x_6^2x_2 + 1024u_3^{19}u_1^{10}x_6x_5x_4x_2-$$
$$2048u_5u_3^{17}u_1^{11}x_5x_4x_2^2 + 256u_5u_3^{21}u_1^8x_5x_4x_2-$$
$$512u_6u_3^{19}u_1^9x_4^2x_2^2 + 1024u_6u_3^{19}u_1^{10}x_4^2x_2+$$
$$(-256u_6u_5u_3^{20}u_1^8 - 1024u_6u_5u_3^{18}u_1^{10})x_4x_2^2$$

Reduced to zero.

1815. Creating S-polynomial from the pair (p_{24}, p_{46}).

Skipping pair p_{24} and p_{46} because gcd of their leading monoms is zero.

1816. Creating S-polynomial from the pair (p_{24}, p_{47}).

Forming S-pol of p_{24} and p_{47}: Polynomial too big for output (text size is 1297 characters, number of terms is 17)

S-pol added.

1817. Creating S-polynomial from the pair (p_{24}, p_{48}).

Forming S-pol of p_{24} and p_{48}:

$$p_{418} = 128u_3^{13}u_1^7x_8x_6x_4 - 128u_5u_3^{12}u_1^7x_8x_6x_2-$$
$$128u_3^{12}u_1^7x_8x_4^2x_2 - 256u_5u_3^{11}u_1^8x_8x_4x_2+$$
$$256u_3^{11}u_1^8x_6^2x_5x_2 - 128u_3^{13}u_1^7x_6^2x_5 + 128u_6u_3^{12}u_1^7x_6^2x_2+$$
$$64u_6u_3^{13}u_1^6x_6x_4x_2 + 64u_5u_3^{12}u_1^6x_5x_4x_2^2-$$
$$32u_6u_3^{14}u_1^5x_4^2x_2 + 32u_6u_5u_3^{13}u_1^5x_4x_2^2$$

Reduced to zero.

1818. Creating S-polynomial from the pair (p_{24}, p_{49}).

Forming S-pol of p_{24} and p_{49}:

$$p_{419} = (-256u_3^{19}u_1^8 - 1024u_3^{17}u_1^{10})x_8x_6x_4+$$
$$(256u_5u_3^{18}u_1^8 + 1024u_5u_3^{16}u_1^{10})x_8x_6x_2 + 256u_3^{18}u_1^8x_8x_4^2x_2-$$
$$128u_5u_3^{19}u_1^7x_8x_4x_2 + (-512u_3^{17}u_1^9 - 2048u_3^{15}u_1^{11})x_6^2x_5x_2+$$
$$(256u_3^{19}u_1^8 + 1024u_3^{17}u_1^{10})x_6^2x_5+$$
$$(-256u_6u_3^{18}u_1^8 - 1024u_6u_3^{16}u_1^{10})x_6^2x_2 + 1024u_3^{16}u_1^{10}x_6x_5x_4x_2+$$
$$2048u_6u_3^{15}u_1^{11}x_6x_4x_2 - 128u_5u_3^{18}u_1^7x_5x_4x_2^2+$$
$$(64u_5u_3^{20}u_1^6 + 256u_5u_3^{18}u_1^8)x_5x_4x_2 - 512u_6u_3^{16}u_1^9x_4^2x_2^2+$$
$$(-64u_6u_5u_3^{19}u_1^6 - 256u_6u_5u_3^{17}u_1^8)x_4x_2^2$$

Reduced to zero.

1819. Creating S-polynomial from the pair (p_{24}, p_{50}).

Forming S-pol of p_{24} and p_{50}:

$$p_{420} = (-16u_3^{17}u_1^4 - 64u_3^{15}u_1^6)x_8^2x_4+$$
$$(16u_5u_3^{16}u_1^4 + 64u_5u_3^{14}u_1^6)x_8^2x_2+$$
$$(-32u_3^{15}u_1^5 - 128u_3^{13}u_1^7)x_8x_6x_5x_2+$$
$$(16u_3^{17}u_1^4 + 64u_3^{15}u_1^6)x_8x_6x_5+$$
$$(-16u_6u_3^{16}u_1^4 - 64u_6u_3^{14}u_1^6)x_8x_6x_2+$$
$$(16u_3^{16}u_1^4 + 64u_3^{14}u_1^6)x_8x_5x_4x_2+$$
$$(-8u_6u_3^{17}u_1^3 + 128u_6u_3^{13}u_1^7)x_8x_4x_2+$$
$$(-8u_6u_3^{16}u_1^3 - 32u_6u_3^{14}u_1^5)x_5x_4x_2^2+$$
$$(4u_6u_3^{18}u_1^2 + 16u_6u_3^{16}u_1^4)x_5x_4x_2+$$
$$(-4u_6^2u_3^{17}u_1^2 - 16u_6^2u_3^{15}u_1^4)x_4x_2^2$$

Reduced to zero.

1820. Creating S-polynomial from the pair (p_{24}, p_{51}).

Forming S-pol of p_{24} and p_{51}:

$$p_{421} = 128u_3^{13}u_1^7x_8x_6x_4 - 128u_5u_3^{12}u_1^7x_8x_6x_2+$$
$$64u_5u_3^{13}u_1^6x_8x_4x_2 + 256u_3^{11}u_1^8x_6^2x_5x_2 - 128u_3^{13}u_1^7x_6^2x_5+$$
$$128u_6u_3^{12}u_1^7x_6^2x_2 - 128u_3^{12}u_1^7x_6x_5x_4x_2-$$
$$256u_6u_3^{11}u_1^8x_6x_4x_2 - 32u_5u_3^{14}u_1^5x_5x_4x_2+$$
$$64u_6u_3^{12}u_1^6x_4^2x_2^2 + 32u_6u_5u_3^{13}u_1^5x_4x_2^2$$

Reduced to zero.

1821. Creating S-polynomial from the pair (p_{24}, p_{52}).

Forming S-pol of p_{24} and p_{52}: Polynomial too big for output (text size is 1107 characters, number of terms is 16)

S-pol added.

1822. Creating S-polynomial from the pair (p_{24}, p_{53}).

Forming S-pol of p_{24} and p_{53}:

$$p_{422} = 8u_3^{11}u_1^3x_8^2x_4 - 8u_5u_3^{10}u_1^3x_8^2x_2 + 16u_3^9u_1^4x_8x_6x_5x_2 -$$
$$8u_3^{11}u_1^3x_8x_6x_5 + 8u_6u_3^{10}u_1^3x_8x_6x_2 - 8u_3^{10}u_1^3x_8x_5x_4x_2 +$$
$$(4u_6u_3^{11}u_1^2 - 16u_6u_3^9u_1^4)x_8x_4x_2 + 4u_6u_3^{10}u_1^2x_5x_4x_2^2 -$$
$$2u_6u_3^{12}u_1x_5x_4x_2 + 2u_6^2u_3^{11}u_1x_4x_2^2$$

Reduced to zero.

1823. Creating S-polynomial from the pair (p_{24}, p_{54}).

Skipping pair p_{24} and p_{54} because gcd of their leading monoms is zero.

1824. Creating S-polynomial from the pair (p_{24}, p_{55}).

Skipping pair p_{24} and p_{55} because gcd of their leading monoms is zero.

1825. Creating S-polynomial from the pair (p_{24}, p_{56}).

Skipping pair p_{24} and p_{56} because gcd of their leading monoms is zero.

1826. Creating S-polynomial from the pair (p_{24}, p_{57}).

Forming S-pol of p_{24} and p_{57}: Polynomial too big for output (text size is 1618 characters, number of terms is 17)

Reduced to zero.

1827. Creating S-polynomial from the pair (p_{24}, p_{58}).

Skipping pair p_{24} and p_{58} because gcd of their leading monoms is zero.

1828. Creating S-polynomial from the pair (p_{24}, p_{59}).

Skipping pair p_{24} and p_{59} because gcd of their leading monoms is zero.

1829. Creating S-polynomial from the pair (p_{24}, p_{60}).

Skipping pair p_{24} and p_{60} because gcd of their leading monoms is zero.

1830. Creating S-polynomial from the pair (p_{24}, p_{61}).

Skipping pair p_{24} and p_{61} because gcd of their leading monoms is zero.

1831. Creating S-polynomial from the pair (p_{24}, p_{62}).

Forming S-pol of p_{24} and p_{62}: Polynomial too big for output (text size is 1391 characters, number of terms is 16)

Reduced to zero.

1832. Creating S-polynomial from the pair (p_{24}, p_{63}).

Skipping pair p_{24} and p_{63} because gcd of their leading monoms is zero.

1833. Creating S-polynomial from the pair (p_{24}, p_{64}).

Skipping pair p_{24} and p_{64} because gcd of their leading monoms is zero.

1834. Creating S-polynomial from the pair (p_{24}, p_{65}).

Skipping pair p_{24} and p_{65} because gcd of their leading monoms is zero.

1835. Creating S-polynomial from the pair (p_{24}, p_{66}).

Skipping pair p_{24} and p_{66} because gcd of their leading monoms is zero.

1836. Creating S-polynomial from the pair (p_{24}, p_{67}).

Forming S-pol of p_{24} and p_{67}: Polynomial too big for output (text size is 1618 characters, number of terms is 17)

Reduced to zero.

1837. Creating S-polynomial from the pair (p_{24}, p_{68}).

Skipping pair p_{24} and p_{68} because gcd of their leading monoms is zero.

1838. Creating S-polynomial from the pair (p_{24}, p_{69}).

Skipping pair p_{24} and p_{69} because gcd of their leading monoms is zero.

1839. Creating S-polynomial from the pair (p_{24}, p_{70}).

Skipping pair p_{24} and p_{70} because gcd of their leading monoms is zero.

1840. Creating S-polynomial from the pair (p_{24}, p_{71}).

Skipping pair p_{24} and p_{71} because gcd of their leading monoms is zero.

1841. Creating S-polynomial from the pair (p_{24}, p_{72}).

Forming S-pol of p_{24} and p_{72}: Polynomial too big for output (text size is 1391 characters, number of terms is 16)

Reduced to zero.

1842. Creating S-polynomial from the pair (p_{24}, p_{73}).

Skipping pair p_{24} and p_{73} because gcd of their leading monoms is zero.

1843. Creating S-polynomial from the pair (p_{24}, p_{74}).

Skipping pair p_{24} and p_{74} because gcd of their leading monoms is zero.

1844. Creating S-polynomial from the pair (p_{24}, p_{75}).

Skipping pair p_{24} and p_{75} because gcd of their leading monoms is zero.

1845. Creating S-polynomial from the pair (p_{24}, p_{76}).

Skipping pair p_{24} and p_{76} because gcd of their leading monoms is zero.

1846. Creating S-polynomial from the pair (p_{24}, p_{77}).

Skipping pair p_{24} and p_{77} because gcd of their leading monoms is zero.

1847. Creating S-polynomial from the pair (p_{24}, p_{78}).

Skipping pair p_{24} and p_{78} because gcd of their leading monoms is zero.

1848. Creating S-polynomial from the pair (p_{24}, p_{79}).

Forming S-pol of p_{24} and p_{79}:

$$p_{423} = (-512u_3^7u_2^{14}u_1^9 + 1024u_3^7u_2^{12}u_1^{10})x_{12}x_8x_4+$$
$$(512u_5u_3^6u_2^{14}u_1^9 - 1024u_5u_3^6u_2^{12}u_1^{10})x_{12}x_8x_2+$$
$$(-1024u_3^5u_2^{14}u_1^{10} + 2048u_3^5u_2^{12}u_1^{11})x_{12}x_6x_5x_2+$$
$$(512u_3^7u_2^{14}u_1^9 - 1024u_3^7u_2^{12}u_1^{10})x_{12}x_6x_5+$$
$$(-512u_6u_3^6u_2^{14}u_1^9 + 1024u_6u_3^6u_2^{12}u_1^{10})x_{12}x_6x_2+$$
$$1024u_3^5u_2^{14}u_1^{10}x_{10}x_8x_5x_2+$$
$$(-4096u_3^5u_2^{11}u_1^{12} + 2048u_3^5u_2^{11}u_1^{11})x_8x_5x_4x_2x_1+$$
$$(2048u_3^5u_2^{13}u_1^{11} - 1024u_3^5u_2^{13}u_1^{10})x_8x_5x_4x_2+$$
$$512u_5u_3^5u_2^{14}u_1^9x_8x_5x_2x_1 - 1024u_5u_3^5u_2^{14}u_1^{10}x_8x_5x_2+$$
$$(-512u_6u_3^5u_2^{14}u_1^9 - 2048u_6u_3^5u_2^{12}u_1^{11}+$$
$$1024u_6u_3^5u_2^{12}u_1^{10})x_8x_4x_2x_1 + 1024u_6u_3^5u_2^{14}u_1^{10}x_8x_4x_2$$

S-pol added.

1849. Creating S-polynomial from the pair (p_{24}, p_{80}).

Skipping pair p_{24} and p_{80} because gcd of their leading monoms is zero.

1850. Creating S-polynomial from the pair (p_{24}, p_{81}).

Forming S-pol of p_{24} and p_{81}:

$$p_{424} = -512u_5u_3^{17}u_1^9x_8x_4 + 512u_5^2u_3^{16}u_1^9x_8x_2-$$
$$1024u_5u_3^{15}u_1^{10}x_6x_5x_2 + 512u_5u_3^{17}u_1^9x_6x_5+$$
$$1024u_6u_3^{15}u_1^{10}x_6x_4x_2 - 512u_6u_5u_3^{16}u_1^9x_6x_2+$$
$$512u_5u_3^{16}u_1^9x_5x_4x_2 - 512u_6u_3^{16}u_1^9x_4^2x_2$$

Reduced to zero.

1851. Creating S-polynomial from the pair (p_{24}, p_{82}).

Skipping pair p_{24} and p_{82} because gcd of their leading monoms is zero.

1852. Creating S-polynomial from the pair (p_{24}, p_{83}).

Forming S-pol of p_{24} and p_{83}:

$$p_{425} = 524288u_5u_3^{25}u_1^{19}x_8x_6x_4 - 524288u_5^2u_3^{24}u_1^{19}x_8x_6x_2+$$
$$524288u_5u_3^{24}u_1^{19}x_8x_4^2x_2 + 262144u_5^2u_3^{25}u_1^{18}x_8x_4x_2+$$
$$1048576u_5u_3^{23}u_1^{20}x_6^2x_5x_2 - 524288u_5u_3^{25}u_1^{19}x_6^2x_5-$$
$$1048576u_6u_3^{23}u_1^{20}x_6^2x_4x_2 + 524288u_6u_5u_3^{24}u_1^{19}x_6^2x_2-$$
$$524288u_5u_3^{24}u_1^{19}x_6x_5x_4x_2 - 262144u_6u_5u_3^{25}u_1^{18}x_6x_4x_2-$$
$$262144u_5u_3^{25}u_1^{18}x_5x_4^2x_2 - 131072u_5^2u_3^{26}u_1^{17}x_5x_4x_2+$$
$$(131072u_6u_5u_3^{26}u_1^{17} + 524288u_6u_3^{25}u_1^{19})x_4^2x_2-$$
$$262144u_6u_5^2u_3^{25}u_1^{18}x_4x_2$$

Reduced to zero.

1853. Creating S-polynomial from the pair (p_{24}, p_{84}).

Forming S-pol of p_{24} and p_{84}:

$$p_{426} = 256u_3^{13}u_1^8x_8x_6x_4 - 256u_5u_3^{12}u_1^8x_8x_6x_2+$$
$$128u_5u_3^{13}u_1^7x_8x_4x_2 + 512u_3^{11}u_1^9x_6^2x_5x_2-$$
$$256u_3^{13}u_1^8x_6^2x_5 + 256u_6u_3^{12}u_1^8x_6^2x_2-$$
$$256u_3^{12}u_1^8x_6x_5x_4x_2 - 512u_6u_3^{11}u_1^9x_6x_4x_2-$$
$$64u_5u_3^{14}u_1^6x_5x_4x_2 + 128u_6u_3^{12}u_1^7x_4^2x_2^2+$$
$$64u_6u_5u_3^{13}u_1^6x_4x_2^2$$

Reduced to zero.

1854. Creating S-polynomial from the pair (p_{24}, p_{85}).

Forming S-pol of p_{24} and p_{85}:

$$p_{427} = 256u_3^{13}u_1^8x_8x_6x_4 - 256u_5u_3^{12}u_1^8x_8x_6x_2-$$
$$256u_3^{12}u_1^8x_8x_4^2x_2 - 512u_5u_3^{11}u_1^9x_8x_4x_2+$$
$$512u_3^{11}u_1^9x_6^2x_5x_2 - 256u_3^{13}u_1^8x_6^2x_5 + 256u_6u_3^{12}u_1^8x_6^2x_2+$$
$$128u_6u_3^{13}u_1^7x_6x_4x_2 + 128u_5u_3^{12}u_1^7x_5x_4x_2^2-$$
$$64u_6u_3^{14}u_1^6x_4^2x_2 + 64u_6u_5u_3^{13}u_1^6x_4x_2^2$$

Reduced to zero.

1855. Creating S-polynomial from the pair (p_{24}, p_{86}).

Forming S-pol of p_{24} and p_{86}:

$$p_{428} = (-512u_3^{21}u_1^9 + 1024u_3^{19}u_1^{10})x_8x_4^2+$$
$$(512u_5u_3^{20}u_1^9 - 1024u_5u_3^{18}u_1^{10})x_8x_4x_2 + 2048u_3^{17}u_1^{11}x_6x_5x_4x_2+$$
$$(512u_3^{21}u_1^9 - 1024u_3^{19}u_1^{10})x_6x_5x_4+$$
$$(-512u_6u_3^{20}u_1^9 + 1024u_6u_3^{18}u_1^{10})x_6x_4x_2+$$
$$(-4096u_3^{16}u_1^{12} + 2048u_3^{16}u_1^{11})x_5x_4^2x_2^2+$$
$$(2048u_3^{18}u_1^{11} - 1024u_3^{18}u_1^{10})x_5x_4^2x_2 + 512u_5u_3^{19}u_1^9x_5x_4x_2^2-$$
$$1024u_5u_3^{19}u_1^{10}x_5x_4x_2+$$
$$(-512u_6u_3^{19}u_1^9 - 2048u_6u_3^{17}u_1^{11} + 1024u_6u_3^{17}u_1^{10})x_4^2x_2^2+$$
$$1024u_6u_3^{19}u_1^{10}x_4^2x_2$$

S-pol added.

1856. Creating S-polynomial from the pair (p_{24}, p_{87}).

Forming S-pol of p_{24} and p_{87}:

$$p_{429} = 8u_3^{13}u_1^3x_8x_4 - 8u_5u_3^{12}u_1^3x_8x_2 + 16u_3^{11}u_1^4x_6x_5x_2 -$$
$$8u_3^{13}u_1^3x_6x_5 + 8u_6u_3^{12}u_1^3x_6x_2 - 8u_3^{12}u_1^3x_5x_4x_2 +$$
$$8u_6u_3^{11}u_1^3x_4x_2^2 - 16u_6u_3^{11}u_1^4x_4x_2$$

Reduced to zero.

1857. Creating S-polynomial from the pair (p_{24}, p_{88}).

Skipping pair p_{24} and p_{88} because gcd of their leading monoms is zero.

1858. Creating S-polynomial from the pair (p_{24}, p_{89}).

Skipping pair p_{24} and p_{89} because gcd of their leading monoms is zero.

1859. Creating S-polynomial from the pair (p_{24}, p_{90}).

Skipping pair p_{24} and p_{90} because gcd of their leading monoms is zero.

1860. Creating S-polynomial from the pair (p_{24}, p_{91}).

Skipping pair p_{24} and p_{91} because gcd of their leading monoms is zero.

1861. Creating S-polynomial from the pair (p_{24}, p_{92}).

Skipping pair p_{24} and p_{92} because gcd of their leading monoms is zero.

1862. Creating S-polynomial from the pair (p_{24}, p_{93}).

Forming S-pol of p_{24} and p_{93}:

$$p_{430} = (-512u_4^{14}u_3^7u_1^9 + 1024u_4^{12}u_3^7u_1^{10})x_{16}x_8x_4 +$$
$$(512u_5u_4^{14}u_3^6u_1^9 - 1024u_5u_4^{12}u_3^6u_1^{10})x_{16}x_8x_2 +$$
$$(-1024u_4^{14}u_3^5u_1^{10} + 2048u_4^{12}u_3^5u_1^{11})x_{16}x_6x_5x_2 +$$
$$(512u_4^{14}u_3^7u_1^9 - 1024u_4^{12}u_3^7u_1^{10})x_{16}x_6x_5 +$$
$$(-512u_6u_4^{14}u_3^6u_1^9 + 1024u_6u_4^{12}u_3^6u_1^{10})x_{16}x_6x_2 +$$
$$1024u_4^{14}u_3^5u_1^{10}x_{14}x_8x_5x_2 +$$
$$(-4096u_4^{11}u_3^5u_1^{12} + 2048u_4^{11}u_3^5u_1^{11})x_8x_5x_4x_3x_2 +$$
$$(2048u_4^{13}u_3^5u_1^{11} - 1024u_4^{13}u_3^5u_1^{10})x_8x_5x_4x_2 +$$
$$512u_5u_4^{14}u_3^5u_1^9x_8x_5x_3x_2 - 1024u_5u_4^{14}u_3^5u_1^{10}x_8x_5x_2 +$$
$$(-512u_6u_4^{14}u_3^5u_1^9 - 2048u_6u_4^{12}u_3^5u_1^{11} +$$
$$1024u_6u_4^{12}u_3^5u_1^{10})x_8x_4x_3x_2 + 1024u_6u_4^{14}u_3^5u_1^{10}x_8x_4x_2$$

S-pol added.

1863. Creating S-polynomial from the pair (p_{24}, p_{94}).

Skipping pair p_{24} and p_{94} because gcd of their leading monoms is zero.

1864. Creating S-polynomial from the pair (p_{24}, p_{95}).

Forming S-pol of p_{24} and p_{95}:

$$p_{431} = -524288u_5u_3^{22}u_1^{19}x_8x_6x_4x_2 + 524288u_3^{23}u_1^{19}x_8x_6x_4-$$
$$524288u_5u_3^{22}u_1^{19}x_8x_6x_2+$$
$$(-1048576u_5u_3^{21}u_1^{20} - 1048576u_3^{22}u_1^{20})x_8x_4^2x_2+$$
$$(-131072u_5^2u_3^{24}u_1^{17} + 524288u_5^2u_3^{22}u_1^{19})x_8x_4x_2+$$
$$1048576u_3^{21}u_1^{20}x_6^2x_5x_2 - 524288u_3^{23}u_1^{19}x_6^2x_5+$$
$$524288u_6u_3^{22}u_1^{19}x_6^2x_4x_2 + 524288u_6u_3^{22}u_1^{19}x_6^2x_2+$$
$$262144u_5u_3^{23}u_1^{18}x_6x_5x_4x_2 + 131072u_6u_5u_3^{24}u_1^{17}x_6x_4x_2+$$
$$262144u_5u_3^{22}u_1^{18}x_5x_4^2x_2^2 + 65536u_5^2u_3^{25}u_1^{16}x_5x_4x_2+$$
$$131072u_6u_5u_3^{23}u_1^{17}x_4^2x_2^2+$$
$$(-65536u_6u_5u_3^{25}u_1^{16} - 262144u_6u_3^{24}u_1^{18})x_4^2x_2+$$
$$131072u_6u_5^2u_3^{24}u_1^{17}x_4x_2$$

S-pol added.

1865. Creating S-polynomial from the pair (p_{24}, p_{96}).

Forming S-pol of p_{24} and p_{96}:

$$p_{432} = -16u_3^{12}u_1^4x_8x_4^2+$$
$$(16u_5u_3^{11}u_1^4 - 64u_5u_3^9u_1^6)x_8x_4x_2 + 16u_3^{12}u_1^4x_6x_5x_4+$$
$$(-16u_6u_3^{11}u_1^4 + 64u_6u_3^9u_1^6)x_6x_4x_2 + 16u_5u_3^{10}u_1^4x_5x_4x_2^2-$$
$$16u_6u_3^{10}u_1^4x_4^2x_2^2$$

Reduced to zero.

1866. Creating S-polynomial from the pair (p_{24}, p_{97}).

Forming S-pol of p_{24} and p_{97}:

$$p_{433} = -256u_3^{20}u_1^8x_8x_4^2 + 256u_5u_3^{19}u_1^8x_8x_4x_2 + 256u_3^{20}u_1^8x_6x_5x_4-$$
$$256u_6u_3^{19}u_1^8x_6x_4x_2+$$
$$(-2048u_3^{15}u_1^{11} + 1024u_3^{15}u_1^{10})x_5x_4^2x_2^2 + 1024u_3^{17}u_1^{10}x_5x_4^2x_2+$$
$$256u_5u_3^{18}u_1^8x_5x_4x_2^2 - 512u_5u_3^{18}u_1^9x_5x_4x_2+$$
$$(-256u_6u_3^{18}u_1^8 - 1024u_6u_3^{16}u_1^{10})x_4^2x_2^2+$$
$$(512u_6u_3^{18}u_1^9 + 1024u_6u_3^{16}u_1^{10})x_4^2x_2$$

S-pol added.

1867. Creating S-polynomial from the pair (p_{24}, p_{98}).

Forming S-pol of p_{24} and p_{98}: Polynomial too big for output (text size is 2945 characters, number of terms is 32)

Reduced to zero.

1868. Creating S-polynomial from the pair (p_{24}, p_{99}).

Forming S-pol of p_{24} and p_{99}: Polynomial too big for output (text size is 2943 characters, number of terms is 32)

Reduced to zero.

1869. Creating S-polynomial from the pair (p_{24}, p_{100}).

Forming S-pol of p_{24} and p_{100}: Polynomial too big for output (text size is 1102 characters, number of terms is 15)

Reduced to zero.

1870. Creating S-polynomial from the pair (p_{24}, p_{101}).

Forming S-pol of p_{24} and p_{101}:

$$p_{434} = -16u_3^7u_2^5u_1^4x_{12}x_8x_4+$$
$$(16u_5u_3^6u_2^5u_1^4 - 64u_5u_3^5u_2^4u_1^6)x_{12}x_8x_2-$$
$$32u_3^5u_2^5u_1^5x_{12}x_6x_5x_2 + 16u_3^7u_2^5u_1^4x_{12}x_6x_5-$$
$$16u_6u_3^6u_2^5u_1^4x_{12}x_6x_2 + 32u_3^5u_2^5u_1^5x_{10}x_8x_5x_2+$$
$$64u_6u_3^5u_2^4u_1^6x_{10}x_8x_2 + 16u_5u_3^5u_2^5u_1^4x_8x_5x_2x_1-$$
$$16u_6u_3^5u_2^5u_1^4x_8x_4x_2x_1$$

Reduced to zero.

1871. Creating S-polynomial from the pair (p_{24}, p_{102}).

Forming S-pol of p_{24} and p_{102}:

$$p_{435} = -256u_3^7u_2^{13}u_1^8x_{12}x_8x_4 + 256u_5u_3^6u_2^{13}u_1^8x_{12}x_8x_2-$$
$$512u_3^5u_2^{13}u_1^9x_{12}x_6x_5x_2 + 256u_3^7u_2^{13}u_1^8x_{12}x_6x_5-$$
$$256u_6u_3^6u_2^{13}u_1^8x_{12}x_6x_2 + 512u_3^5u_2^{13}u_1^9x_{10}x_8x_5x_2+$$
$$(-2048u_3^5u_2^{10}u_1^{11} + 1024u_3^5u_2^{10}u_1^{10})x_8x_5x_4x_2x_1+$$
$$1024u_3^5u_2^{12}u_1^{10}x_8x_5x_4x_2 + 256u_5u_3^5u_2^{13}u_1^8x_8x_5x_2x_1-$$
$$512u_5u_3^5u_2^{13}u_1^9x_8x_5x_2+$$
$$(-256u_6u_3^5u_2^{13}u_1^8 - 1024u_6u_3^5u_2^{11}u_1^{10})x_8x_4x_2x_1+$$
$$(512u_6u_3^5u_2^{13}u_1^9 + 1024u_6u_3^5u_2^{11}u_1^{10})x_8x_4x_2$$

S-pol added.

1872. Creating S-polynomial from the pair (p_{24}, p_{103}).

Skipping pair p_{24} and p_{103} because gcd of their leading monoms is zero.

1873. Creating S-polynomial from the pair (p_{24}, p_{104}).

Forming S-pol of p_{24} and p_{104}: Polynomial too big for output (text size is 1102 characters, number of terms is 15)

Reduced to zero.

1874. Creating S-polynomial from the pair (p_{24}, p_{105}).

Forming S-pol of p_{24} and p_{105}:

$$p_{436} = -16u_4^5u_3^7u_1^4x_{16}x_8x_4+$$
$$(16u_5u_4^5u_3^6u_1^4 - 64u_5u_4^4u_3^5u_1^6)x_{16}x_8x_2-$$
$$32u_4^5u_3^5u_1^5x_{16}x_6x_5x_2 + 16u_4^5u_3^7u_1^4x_{16}x_6x_5-$$
$$16u_6u_4^5u_3^6u_1^4x_{16}x_6x_2 + 32u_4^5u_3^5u_1^5x_{14}x_8x_5x_2+$$
$$64u_6u_4^4u_3^5u_1^6x_{14}x_8x_2 + 16u_5u_4^5u_3^5u_1^4x_8x_5x_3x_2-$$
$$16u_6u_4^5u_3^5u_1^4x_8x_4x_3x_2$$

Reduced to zero.

1875. Creating S-polynomial from the pair (p_{24}, p_{106}).

Forming S-pol of p_{24} and p_{106}:

$$p_{437} = -256u_4^{13}u_3^7u_1^8x_{16}x_8x_4 + 256u_5u_4^{13}u_3^6u_1^8x_{16}x_8x_2-$$
$$512u_4^{13}u_3^5u_1^9x_{16}x_6x_5x_2 + 256u_4^{13}u_3^7u_1^8x_{16}x_6x_5-$$
$$256u_6u_4^{13}u_3^6u_1^8x_{16}x_6x_2 + 512u_4^{13}u_3^5u_1^9x_{14}x_8x_5x_2+$$
$$(-2048u_4^{10}u_3^5u_1^{11} + 1024u_4^{10}u_3^5u_1^{10})x_8x_5x_4x_3x_2+$$
$$1024u_4^{12}u_3^5u_1^{10}x_8x_5x_4x_2 + 256u_5u_4^{13}u_3^5u_1^8x_8x_5x_3x_2-$$
$$512u_5u_4^{13}u_3^5u_1^9x_8x_5x_2+$$
$$(-256u_6u_4^{13}u_3^5u_1^8 - 1024u_6u_4^{11}u_3^5u_1^{10})x_8x_4x_3x_2+$$
$$(512u_6u_4^{13}u_3^5u_1^9 + 1024u_6u_4^{11}u_3^5u_1^{10})x_8x_4x_2$$

S-pol added.

1876. Creating S-polynomial from the pair (p_{25}, p_{32}).

Skipping pair p_{25} and p_{32} because gcd of their leading monoms is zero.

1877. Creating S-polynomial from the pair (p_{25}, p_{33}).

Skipping pair p_{25} and p_{33} because gcd of their leading monoms is zero.

1878. Creating S-polynomial from the pair (p_{25}, p_{34}).

Skipping pair p_{25} and p_{34} because gcd of their leading monoms is zero.

1879. Creating S-polynomial from the pair (p_{25}, p_{35}).

Skipping pair p_{25} and p_{35} because gcd of their leading monoms is zero.

1880. Creating S-polynomial from the pair (p_{25}, p_{36}).

Forming S-pol of p_{25} and p_{36}:

$$p_{438} = 4u_6u_3^6u_1^2x_2^2 - 8u_6u_3^6u_1^3x_2 + 4u_6u_3^8u_1^2$$

Reduced to zero.

1881. Creating S-polynomial from the pair (p_{25}, p_{37}).
Forming S-pol of p_{25} and p_{37}:

$$p_{439} = 256u_3^{13}u_1^8x_6x_5x_2 - 128u_3^{14}u_1^7x_5x_4x_2 + 128u_5u_3^{13}u_1^7x_5x_2^2 - 256u_5u_3^{13}u_1^8x_5x_2 - 128u_6u_3^{13}u_1^7x_4x_2^2 + 256u_6u_3^{13}u_1^8x_4x_2 - 128u_6u_3^{15}u_1^7x_4$$

Reduced to zero.

1882. Creating S-polynomial from the pair (p_{25}, p_{38}).
Skipping pair p_{25} and p_{38} because gcd of their leading monoms is zero.

1883. Creating S-polynomial from the pair (p_{25}, p_{39}).
Skipping pair p_{25} and p_{39} because gcd of their leading monoms is zero.

1884. Creating S-polynomial from the pair (p_{25}, p_{40}).
Skipping pair p_{25} and p_{40} because gcd of their leading monoms is zero.

1885. Creating S-polynomial from the pair (p_{25}, p_{41}).
Forming S-pol of p_{25} and p_{41}:

$$p_{440} = -256u_6u_3^{12}u_1^8x_6x_4x_2 + 256u_6u_3^{13}u_1^8x_4x_2 + 128u_6u_5u_3^{14}u_1^7x_4 - 128u_6u_5^2u_3^{13}u_1^7x_2$$

Reduced to zero.

1886. Creating S-polynomial from the pair (p_{25}, p_{42}).
Skipping pair p_{25} and p_{42} because gcd of their leading monoms is zero.

1887. Creating S-polynomial from the pair (p_{25}, p_{43}).
Skipping pair p_{25} and p_{43} because gcd of their leading monoms is zero.

1888. Creating S-polynomial from the pair (p_{25}, p_{44}).
Skipping pair p_{25} and p_{44} because gcd of their leading monoms is zero.

1889. Creating S-polynomial from the pair (p_{25}, p_{45}).
Forming S-pol of p_{25} and p_{45}:

$$p_{441} = 4096u_3^{12}u_1^{12}x_8x_4x_2 + (-512u_5u_3^{15}u_1^9 + 8192u_5u_3^{11}u_1^{13})x_8x_2 - 4096u_3^{12}u_1^{12}x_6x_5x_2 + (-1024u_6u_3^{15}u_1^{10} - 4096u_6u_3^{13}u_1^{12})x_6 - 2048u_5u_3^{12}u_1^{11}x_5x_2^2 + 256u_5u_3^{16}u_1^8x_5x_2 - 512u_6u_3^{14}u_1^9x_4x_2^2 + 1024u_6u_3^{14}u_1^{10}x_4x_2 + (-256u_6u_5u_3^{15}u_1^8 - 1024u_6u_5u_3^{13}u_1^{10})x_2^2$$

Reduced to zero.

1890. Creating S-polynomial from the pair (p_{25}, p_{46}).
Skipping pair p_{25} and p_{46} because gcd of their leading monoms is zero.

1891. Creating S-polynomial from the pair (p_{25}, p_{47}).

Forming S-pol of p_{25} and p_{47}: Polynomial too big for output (text size is 1011 characters, number of terms is 14)

Reduced to zero.

1892. Creating S-polynomial from the pair (p_{25}, p_{48}).

Forming S-pol of p_{25} and p_{48}:

$$p_{442} = -128u_3^7u_1^7x_8x_4x_2 - 256u_5u_3^6u_1^8x_8x_2 + 128u_3^7u_1^7x_6x_5x_2+$$
$$64u_6u_3^8u_1^6x_6x_2 + 128u_6u_3^8u_1^7x_6 + 64u_5u_3^7u_1^6x_5x_2^2-$$
$$32u_6u_3^9u_1^5x_4x_2 + 32u_6u_5u_3^8u_1^5x_2^2$$

Reduced to zero.

1893. Creating S-polynomial from the pair (p_{25}, p_{49}).

Forming S-pol of p_{25} and p_{49}:

$$p_{443} = 256u_3^{13}u_1^8x_8x_4x_2 - 128u_5u_3^{14}u_1^7x_8x_2 - 256u_3^{13}u_1^8x_6x_5x_2+$$
$$2048u_6u_3^{10}u_1^{11}x_6x_2+$$
$$(-256u_6u_3^{14}u_1^8 - 1024u_6u_3^{12}u_1^{10})x_6 - 128u_5u_3^{13}u_1^7x_5x_2^2+$$
$$(64u_5u_3^{15}u_1^6 + 256u_5u_3^{13}u_1^8)x_5x_2 - 512u_6u_3^{11}u_1^9x_4x_2^2+$$
$$(-64u_6u_5u_3^{14}u_1^6 - 256u_6u_5u_3^{12}u_1^8)x_2^2$$

Reduced to zero.

1894. Creating S-polynomial from the pair (p_{25}, p_{50}).

Forming S-pol of p_{25} and p_{50}:

$$p_{444} = (-8u_6u_3^{12}u_1^3 + 128u_6u_3^8u_1^7)x_8x_2+$$
$$(-16u_6u_3^{12}u_1^4 - 64u_6u_3^{10}u_1^6)x_8+$$
$$(-8u_6u_3^{11}u_1^3 - 32u_6u_3^9u_1^5)x_5x_2^2+$$
$$(4u_6u_3^{13}u_1^2 + 16u_6u_3^{11}u_1^4)x_5x_2+$$
$$(-4u_6^2u_3^{12}u_1^2 - 16u_6^2u_3^{10}u_1^4)x_2^2$$

Reduced to zero.

1895. Creating S-polynomial from the pair (p_{25}, p_{51}).

Forming S-pol of p_{25} and p_{51}:

$$p_{445} = 64u_5u_3^8u_1^6x_8x_2 - 256u_6u_3^6u_1^8x_6x_2 + 128u_6u_3^8u_1^7x_6-$$
$$32u_5u_3^9u_1^5x_5x_2 + 64u_6u_3^7u_1^6x_4x_2^2 + 32u_6u_5u_3^8u_1^5x_2^2$$

Reduced to zero.

1896. Creating S-polynomial from the pair (p_{25}, p_{52}).

Forming S-pol of p_{25} and p_{52}:

$$p_{446} = 4096u_3^{19}u_1^{12}x_8x_6x_5x_2 - 2048u_3^{20}u_1^{11}x_8x_5x_4x_2+$$
$$(1024u_5u_3^{21}u_1^{10} - 4096u_5u_3^{19}u_1^{12})x_8x_5x_2+$$
$$(-1024u_6u_3^{21}u_1^{10} + 16384u_6u_3^{17}u_1^{14})x_8x_4x_2+$$
$$(-2048u_6u_3^{21}u_1^{11} - 8192u_6u_3^{19}u_1^{13})x_8x_4+$$
$$(-1024u_6u_3^{20}u_1^{10} - 4096u_6u_3^{18}u_1^{12})x_5x_4x_2^2+$$
$$(512u_6u_3^{22}u_1^{9} + 2048u_6u_3^{20}u_1^{11})x_5x_4x_2+$$
$$(512u_6u_5u_3^{21}u_1^{9} + 2048u_5u_3^{20}u_1^{11})x_5x_2^2 - 1024u_5u_3^{22}u_1^{10}x_5x_2+$$
$$(-512u_6^2u_3^{21}u_1^{9} - 2048u_6^2u_3^{19}u_1^{11})x_4x_2^2-$$
$$1024u_6^2u_5u_3^{20}u_1^{10}x_2^2 + 512u_6^2u_5u_3^{22}u_1^{9}x_2$$

Reduced to zero.

1897. Creating S-polynomial from the pair (p_{25}, p_{53}).

Forming S-pol of p_{25} and p_{53}:

$$p_{447} = (4u_6u_3^6u_1^2 - 16u_6u_3^4u_1^4)x_8x_2 + 8u_6u_3^6u_1^3x_8+$$
$$4u_6u_3^5u_1^2x_5x_2^2 - 2u_6u_3^7u_1x_5x_2 + 2u_6^2u_3^6u_1x_2^2$$

Reduced to zero.

1898. Creating S-polynomial from the pair (p_{25}, p_{54}).

Skipping pair p_{25} and p_{54} because gcd of their leading monoms is zero.

1899. Creating S-polynomial from the pair (p_{25}, p_{55}).

Skipping pair p_{25} and p_{55} because gcd of their leading monoms is zero.

1900. Creating S-polynomial from the pair (p_{25}, p_{56}).

Skipping pair p_{25} and p_{56} because gcd of their leading monoms is zero.

1901. Creating S-polynomial from the pair (p_{25}, p_{57}).

Skipping pair p_{25} and p_{57} because gcd of their leading monoms is zero.

1902. Creating S-polynomial from the pair (p_{25}, p_{58}).

Skipping pair p_{25} and p_{58} because gcd of their leading monoms is zero.

1903. Creating S-polynomial from the pair (p_{25}, p_{59}).

Skipping pair p_{25} and p_{59} because gcd of their leading monoms is zero.

1904. Creating S-polynomial from the pair (p_{25}, p_{60}).

Skipping pair p_{25} and p_{60} because gcd of their leading monoms is zero.

1905. Creating S-polynomial from the pair (p_{25}, p_{61}).

Skipping pair p_{25} and p_{61} because gcd of their leading monoms is zero.

1906. Creating S-polynomial from the pair (p_{25}, p_{62}).
Skipping pair p_{25} and p_{62} because gcd of their leading monoms is zero.

1907. Creating S-polynomial from the pair (p_{25}, p_{63}).
Skipping pair p_{25} and p_{63} because gcd of their leading monoms is zero.

1908. Creating S-polynomial from the pair (p_{25}, p_{64}).
Skipping pair p_{25} and p_{64} because gcd of their leading monoms is zero.

1909. Creating S-polynomial from the pair (p_{25}, p_{65}).
Skipping pair p_{25} and p_{65} because gcd of their leading monoms is zero.

1910. Creating S-polynomial from the pair (p_{25}, p_{66}).
Skipping pair p_{25} and p_{66} because gcd of their leading monoms is zero.

1911. Creating S-polynomial from the pair (p_{25}, p_{67}).
Skipping pair p_{25} and p_{67} because gcd of their leading monoms is zero.

1912. Creating S-polynomial from the pair (p_{25}, p_{68}).
Skipping pair p_{25} and p_{68} because gcd of their leading monoms is zero.

1913. Creating S-polynomial from the pair (p_{25}, p_{69}).
Skipping pair p_{25} and p_{69} because gcd of their leading monoms is zero.

1914. Creating S-polynomial from the pair (p_{25}, p_{70}).
Skipping pair p_{25} and p_{70} because gcd of their leading monoms is zero.

1915. Creating S-polynomial from the pair (p_{25}, p_{71}).
Skipping pair p_{25} and p_{71} because gcd of their leading monoms is zero.

1916. Creating S-polynomial from the pair (p_{25}, p_{72}).
Skipping pair p_{25} and p_{72} because gcd of their leading monoms is zero.

1917. Creating S-polynomial from the pair (p_{25}, p_{73}).
Skipping pair p_{25} and p_{73} because gcd of their leading monoms is zero.

1918. Creating S-polynomial from the pair (p_{25}, p_{74}).
Skipping pair p_{25} and p_{74} because gcd of their leading monoms is zero.

1919. Creating S-polynomial from the pair (p_{25}, p_{75}).
Skipping pair p_{25} and p_{75} because gcd of their leading monoms is zero.

1920. Creating S-polynomial from the pair (p_{25}, p_{76}).
Skipping pair p_{25} and p_{76} because gcd of their leading monoms is zero.

1921. Creating S-polynomial from the pair (p_{25}, p_{77}).
Skipping pair p_{25} and p_{77} because gcd of their leading monoms is zero.

1922. Creating S-polynomial from the pair (p_{25}, p_{78}).
Skipping pair p_{25} and p_{78} because gcd of their leading monoms is zero.

1923. Creating S-polynomial from the pair (p_{25}, p_{79}).
Skipping pair p_{25} and p_{79} because gcd of their leading monoms is zero.

1924. Creating S-polynomial from the pair (p_{25}, p_{80}).
Skipping pair p_{25} and p_{80} because gcd of their leading monoms is zero.

1925. Creating S-polynomial from the pair (p_{25}, p_{81}).
Forming S-pol of p_{25} and p_{81}:

$$p_{448} = 1024u_6u_3^{10}u_1^{10}x_6x_2 - 512u_6u_3^{11}u_1^9x_4x_2 - 512u_6u_5u_3^{12}u_1^9$$

Reduced to zero.

1926. Creating S-polynomial from the pair (p_{25}, p_{82}).
Skipping pair p_{25} and p_{82} because gcd of their leading monoms is zero.

1927. Creating S-polynomial from the pair (p_{25}, p_{83}).
Forming S-pol of p_{25} and p_{83}:

$$p_{449} = 524288u_5u_3^{19}u_1^{19}x_8x_4x_2 + 262144u_5^2u_3^{20}u_1^{18}x_8x_2 -$$
$$1048576u_6u_3^{18}u_1^{20}x_6^2x_2 - 262144u_6u_5u_3^{20}u_1^{18}x_6x_2 +$$
$$524288u_6u_5u_3^{20}u_1^{19}x_6 - 262144u_5u_3^{20}u_1^{18}x_5x_4x_2 -$$
$$131072u_5^2u_3^{21}u_1^{17}x_5x_2 +$$
$$(131072u_6u_5u_3^{21}u_1^{17} + 524288u_6u_3^{20}u_1^{19})x_4x_2 -$$
$$262144u_6u_5^2u_3^{20}u_1^{18}x_2$$

Reduced to zero.

1928. Creating S-polynomial from the pair (p_{25}, p_{84}).
Forming S-pol of p_{25} and p_{84}:

$$p_{450} = 128u_5u_3^8u_1^7x_8x_2 - 512u_6u_3^6u_1^9x_6x_2 + 256u_6u_3^8u_1^8x_6 -$$
$$64u_5u_3^9u_1^6x_5x_2 + 128u_6u_3^7u_1^7x_4x_2^2 + 64u_6u_5u_3^8u_1^6x_2^2$$

Reduced to zero.

1929. Creating S-polynomial from the pair (p_{25}, p_{85}).
Forming S-pol of p_{25} and p_{85}:

$$p_{451} = -256u_3^7u_1^8x_8x_4x_2 - 512u_5u_3^6u_1^9x_8x_2 + 256u_3^7u_1^8x_6x_5x_2 +$$
$$128u_6u_3^8u_1^7x_6x_2 + 256u_6u_3^8u_1^8x_6 + 128u_5u_3^7u_1^7x_5x_2^2 -$$
$$64u_6u_3^9u_1^6x_4x_2 + 64u_6u_5u_3^8u_1^6x_2^2$$

Reduced to zero.

1930. Creating S-polynomial from the pair (p_{25}, p_{86}).
Forming S-pol of p_{25} and p_{86}:

$$p_{452} = 1024u_3^{14}u_1^{10}x_6x_5x_2 + (-4096u_3^{11}u_1^{12} + 2048u_3^{11}u_1^{11})x_5x_4x_2^2 +$$
$$(-512u_3^{15}u_1^{9} + 2048u_3^{13}u_1^{11})x_5x_4x_2 + 512u_5u_3^{14}u_1^{9}x_5x_2^2 -$$
$$1024u_5u_3^{14}u_1^{10}x_5x_2 +$$
$$(-512u_6u_3^{14}u_1^{9} - 2048u_6u_3^{12}u_1^{11} + 1024u_6u_3^{12}u_1^{10})x_4x_2^2 +$$
$$1024u_6u_3^{14}u_1^{10}x_4x_2 + (-512u_6u_3^{16}u_1^{9} + 1024u_6u_3^{14}u_1^{10})x_4$$

S-pol added.

1931. Creating S-polynomial from the pair (p_{25}, p_{87}).
Forming S-pol of p_{25} and p_{87}:

$$p_{453} = 8u_6u_3^6u_1^3x_2^2 - 16u_6u_3^6u_1^4x_2 + 8u_6u_3^8u_1^3$$

Reduced to zero.

1932. Creating S-polynomial from the pair (p_{25}, p_{88}).
Skipping pair p_{25} and p_{88} because gcd of their leading monoms is zero.

1933. Creating S-polynomial from the pair (p_{25}, p_{89}).
Skipping pair p_{25} and p_{89} because gcd of their leading monoms is zero.

1934. Creating S-polynomial from the pair (p_{25}, p_{90}).
Skipping pair p_{25} and p_{90} because gcd of their leading monoms is zero.

1935. Creating S-polynomial from the pair (p_{25}, p_{91}).
Skipping pair p_{25} and p_{91} because gcd of their leading monoms is zero.

1936. Creating S-polynomial from the pair (p_{25}, p_{92}).
Skipping pair p_{25} and p_{92} because gcd of their leading monoms is zero.

1937. Creating S-polynomial from the pair (p_{25}, p_{93}).
Skipping pair p_{25} and p_{93} because gcd of their leading monoms is zero.

1938. Creating S-polynomial from the pair (p_{25}, p_{94}).
Skipping pair p_{25} and p_{94} because gcd of their leading monoms is zero.

1939. Creating S-polynomial from the pair (p_{25}, p_{95}).
Forming S-pol of p_{25} and p_{95}:

$$p_{454} = -524288u_5u_3^{17}u_1^{19}x_8x_6x_2 +$$
$$(-1048576u_5u_3^{16}u_1^{20} - 1048576u_3^{17}u_1^{20})x_8x_4x_2 +$$
$$(-131072u_5^2u_3^{19}u_1^{17} + 524288u_5^2u_3^{17}u_1^{19})x_8x_2 +$$
$$524288u_6u_3^{17}u_1^{19}x_6^2x_2 + 524288u_3^{17}u_1^{19}x_6x_5x_4x_2 +$$
$$262144u_5u_3^{18}u_1^{18}x_6x_5x_2 + 524288u_6u_3^{18}u_1^{19}x_6x_4 +$$

$$131072u_6u_5u_3^{19}u_1^{17}x_6x_2 + 262144u_5u_3^{17}u_1^{18}x_5x_4x_2^2+$$
$$65536u_5^2u_3^{20}u_1^{16}x_5x_2 + 131072u_6u_5u_3^{18}u_1^{17}x_4x_2^2+$$
$$(-65536u_6u_5u_3^{20}u_1^{16} - 262144u_6u_3^{19}u_1^{18})x_4x_2+$$
$$131072u_6u_5^2u_3^{19}u_1^{17}x_2$$

Reduced to zero.

1940. Creating S-polynomial from the pair (p_{25}, p_{96}).

Forming S-pol of p_{25} and p_{96}:

$$p_{455} = -64u_5u_3^4u_1^6x_8x_2 + 32u_3^5u_1^5x_6x_5x_2 + 64u_6u_3^4u_1^6x_6x_2-$$
$$16u_3^6u_1^4x_5x_4x_2 + 16u_5u_3^5u_1^4x_5x_2^2 - 16u_6u_3^5u_1^4x_4x_2^2-$$
$$16u_6u_3^7u_1^4x_4$$

Reduced to zero.

1941. Creating S-polynomial from the pair (p_{25}, p_{97}).

Forming S-pol of p_{25} and p_{97}:

$$p_{456} = 512u_3^{13}u_1^9x_6x_5x_2 + (-2048u_3^{10}u_1^{11} + 1024u_3^{10}u_1^{10})x_5x_4x_2^2+$$
$$(-256u_3^{14}u_1^8 + 1024u_3^{12}u_1^{10})x_5x_4x_2 + 256u_5u_3^{13}u_1^8x_5x_2^2-$$
$$512u_5u_3^{13}u_1^9x_5x_2 + (-256u_6u_3^{13}u_1^8 - 1024u_6u_3^{11}u_1^{10})x_4x_2^2+$$
$$(512u_6u_3^{13}u_1^9 + 1024u_6u_3^{11}u_1^{10})x_4x_2 - 256u_6u_3^{15}u_1^8x_4$$

S-pol added.

1942. Creating S-polynomial from the pair (p_{25}, p_{98}).

Forming S-pol of p_{25} and p_{98}: Polynomial too big for output (text size is 2202 characters, number of terms is 27)

Reduced to zero.

1943. Creating S-polynomial from the pair (p_{25}, p_{99}).

Forming S-pol of p_{25} and p_{99}: Polynomial too big for output (text size is 2201 characters, number of terms is 27)

Reduced to zero.

1944. Creating S-polynomial from the pair (p_{25}, p_{100}).

Skipping pair p_{25} and p_{100} because gcd of their leading monoms is zero.

1945. Creating S-polynomial from the pair (p_{25}, p_{101}).

Skipping pair p_{25} and p_{101} because gcd of their leading monoms is zero.

1946. Creating S-polynomial from the pair (p_{25}, p_{102}).

Skipping pair p_{25} and p_{102} because gcd of their leading monoms is zero.

1947. Creating S-polynomial from the pair (p_{25}, p_{103}).

Skipping pair p_{25} and p_{103} because gcd of their leading monoms is zero.

1948. Creating S-polynomial from the pair (p_{25}, p_{104}).
Skipping pair p_{25} and p_{104} because gcd of their leading monoms is zero.

1949. Creating S-polynomial from the pair (p_{25}, p_{105}).
Skipping pair p_{25} and p_{105} because gcd of their leading monoms is zero.

1950. Creating S-polynomial from the pair (p_{25}, p_{106}).
Skipping pair p_{25} and p_{106} because gcd of their leading monoms is zero.

1951. Creating S-polynomial from the pair (p_{26}, p_{32}).
Forming S-pol of p_{26} and p_{32}:

$$p_{457} = 4u_5u_2^6u_1^2x_1^2 - 8u_5u_2^6u_1^3x_1 + 4u_5u_2^8u_1^2$$

Reduced to zero.

1952. Creating S-polynomial from the pair (p_{26}, p_{33}).
Skipping pair p_{26} and p_{33} because gcd of their leading monoms is zero.

1953. Creating S-polynomial from the pair (p_{26}, p_{34}).
Skipping pair p_{26} and p_{34} because gcd of their leading monoms is zero.

1954. Creating S-polynomial from the pair (p_{26}, p_{35}).
Skipping pair p_{26} and p_{35} because gcd of their leading monoms is zero.

1955. Creating S-polynomial from the pair (p_{26}, p_{36}).
Skipping pair p_{26} and p_{36} because gcd of their leading monoms is zero.

1956. Creating S-polynomial from the pair (p_{26}, p_{37}).
Skipping pair p_{26} and p_{37} because gcd of their leading monoms is zero.

1957. Creating S-polynomial from the pair (p_{26}, p_{38}).
Skipping pair p_{26} and p_{38} because gcd of their leading monoms is zero.

1958. Creating S-polynomial from the pair (p_{26}, p_{39}).
Skipping pair p_{26} and p_{39} because gcd of their leading monoms is zero.

1959. Creating S-polynomial from the pair (p_{26}, p_{40}).
Skipping pair p_{26} and p_{40} because gcd of their leading monoms is zero.

1960. Creating S-polynomial from the pair (p_{26}, p_{41}).
Skipping pair p_{26} and p_{41} because gcd of their leading monoms is zero.

1961. Creating S-polynomial from the pair (p_{26}, p_{42}).
Skipping pair p_{26} and p_{42} because gcd of their leading monoms is zero.

1962. Creating S-polynomial from the pair (p_{26}, p_{43}).
Skipping pair p_{26} and p_{43} because gcd of their leading monoms is zero.

1963. Creating S-polynomial from the pair (p_{26}, p_{44}).
Skipping pair p_{26} and p_{44} because gcd of their leading monoms is zero.

1964. Creating S-polynomial from the pair (p_{26}, p_{45}).
Skipping pair p_{26} and p_{45} because gcd of their leading monoms is zero.

1965. Creating S-polynomial from the pair (p_{26}, p_{46}).
Skipping pair p_{26} and p_{46} because gcd of their leading monoms is zero.

1966. Creating S-polynomial from the pair (p_{26}, p_{47}).
Skipping pair p_{26} and p_{47} because gcd of their leading monoms is zero.

1967. Creating S-polynomial from the pair (p_{26}, p_{48}).
Skipping pair p_{26} and p_{48} because gcd of their leading monoms is zero.

1968. Creating S-polynomial from the pair (p_{26}, p_{49}).
Skipping pair p_{26} and p_{49} because gcd of their leading monoms is zero.

1969. Creating S-polynomial from the pair (p_{26}, p_{50}).
Skipping pair p_{26} and p_{50} because gcd of their leading monoms is zero.

1970. Creating S-polynomial from the pair (p_{26}, p_{51}).
Skipping pair p_{26} and p_{51} because gcd of their leading monoms is zero.

1971. Creating S-polynomial from the pair (p_{26}, p_{52}).
Skipping pair p_{26} and p_{52} because gcd of their leading monoms is zero.

1972. Creating S-polynomial from the pair (p_{26}, p_{53}).
Skipping pair p_{26} and p_{53} because gcd of their leading monoms is zero.

1973. Creating S-polynomial from the pair (p_{26}, p_{54}).
Forming S-pol of p_{26} and p_{54}:

$$\begin{gathered}p_{458} = (-8u_5u_2^{12}u_1^3 + 128u_5u_2^8u_1^7)x_{10}x_1 + \\ (-16u_5u_2^{12}u_1^4 - 64u_5u_2^{10}u_1^6)x_{10} + \\ (-8u_5u_2^{11}u_1^3 - 32u_5u_2^9u_1^5)x_4x_1^2 + \\ (4u_5u_2^{13}u_1^2 + 16u_5u_2^{11}u_1^4)x_4x_1 + \\ (-4u_5^2u_2^{12}u_1^2 - 16u_5^2u_2^{10}u_1^4)x_1^2\end{gathered}$$

Reduced to zero.

1974. Creating S-polynomial from the pair (p_{26}, p_{55}).
Forming S-pol of p_{26} and p_{55}:

$$\begin{gathered}p_{459} = -1024u_2^{14}u_1^{10}x_{12}x_4x_1 + (-512u_5u_2^{15}u_1^9 + 8192u_5u_2^{11}u_1^{13})x_{12}x_1 + \\ (-1024u_5u_2^{15}u_1^{10} - 4096u_5u_2^{13}u_1^{12})x_{12} + 1024u_2^{14}u_1^{10}x_{10}x_5x_1 - \\ 2048u_5u_2^{12}u_1^{11}x_5x_1^2 + 256u_5u_2^{16}u_1^8x_5x_1 - \\ 512u_6u_2^{14}u_1^9x_4x_1^2 + 1024u_6u_2^{14}u_1^{10}x_4x_1 + \\ (-256u_6u_5u_2^{15}u_1^8 - 1024u_6u_5u_2^{13}u_1^{10})x_1^2\end{gathered}$$

Reduced to zero.

1975. Creating S-polynomial from the pair (p_{26}, p_{56}).

Forming S-pol of p_{26} and p_{56}:

$$p_{460} = (4u_5u_2^6u_1^2 - 16u_5u_2^4u_1^4)x_{10}x_1 + 8u_5u_2^6u_1^3x_{10} +$$
$$4u_5u_2^5u_1^2x_4x_1^2 - 2u_5u_2^7u_1x_4x_1 + 2u_5^2u_2^6u_1x_1^2$$

Reduced to zero.

1976. Creating S-polynomial from the pair (p_{26}, p_{57}).

Forming S-pol of p_{26} and p_{57}: Polynomial too big for output (text size is 1017 characters, number of terms is 14)

Reduced to zero.

1977. Creating S-polynomial from the pair (p_{26}, p_{58}).

Forming S-pol of p_{26} and p_{58}:

$$p_{461} = -256u_5u_2^6u_1^8x_{12}x_1 + 128u_5u_2^8u_1^7x_{12} + 64u_6u_2^8u_1^6x_{10}x_1 +$$
$$64u_5u_2^7u_1^6x_5x_1^2 - 32u_6u_2^9u_1^5x_4x_1 + 32u_6u_5u_2^8u_1^5x_1^2$$

Reduced to zero.

1978. Creating S-polynomial from the pair (p_{26}, p_{59}).

Forming S-pol of p_{26} and p_{59}:

$$p_{462} = -1024u_2^{11}u_1^{10}x_{12}x_4x_1 - 128u_5u_2^{14}u_1^7x_{12}x_1 +$$
$$(-256u_5u_2^{14}u_1^8 - 1024u_5u_2^{12}u_1^{10})x_{12} + 1024u_2^{11}u_1^{10}x_{10}x_5x_1 +$$
$$2048u_6u_2^{10}u_1^{11}x_{10}x_1 - 128u_5u_2^{13}u_1^7x_5x_1^2 +$$
$$(64u_5u_2^{15}u_1^6 + 256u_5u_2^{13}u_1^8)x_5x_1 - 512u_6u_2^{11}u_1^9x_4x_1^2 +$$
$$(-64u_6u_5u_2^{14}u_1^6 - 256u_6u_5u_2^{12}u_1^8)x_1^2$$

Reduced to zero.

1979. Creating S-polynomial from the pair (p_{26}, p_{60}).

Skipping pair p_{26} and p_{60} because gcd of their leading monoms is zero.

1980. Creating S-polynomial from the pair (p_{26}, p_{61}).

Forming S-pol of p_{26} and p_{61}:

$$p_{463} = 128u_2^7u_1^7x_{12}x_4x_1 + 64u_5u_2^8u_1^6x_{12}x_1 + 128u_5u_2^8u_1^7x_{12} -$$
$$128u_2^7u_1^7x_{10}x_5x_1 - 256u_6u_2^6u_1^8x_{10}x_1 - 32u_5u_2^9u_1^5x_5x_1 +$$
$$64u_6u_2^7u_1^6x_4x_1^2 + 32u_6u_5u_2^8u_1^5x_1^2$$

Reduced to zero.

1981. Creating S-polynomial from the pair (p_{26}, p_{62}).

Skipping pair p_{26} and p_{62} because gcd of their leading monoms is zero.

1982. Creating S-polynomial from the pair (p_{26}, p_{63}).
Skipping pair p_{26} and p_{63} because gcd of their leading monoms is zero.

1983. Creating S-polynomial from the pair (p_{26}, p_{64}).
Skipping pair p_{26} and p_{64} because gcd of their leading monoms is zero.

1984. Creating S-polynomial from the pair (p_{26}, p_{65}).
Skipping pair p_{26} and p_{65} because gcd of their leading monoms is zero.

1985. Creating S-polynomial from the pair (p_{26}, p_{66}).
Skipping pair p_{26} and p_{66} because gcd of their leading monoms is zero.

1986. Creating S-polynomial from the pair (p_{26}, p_{67}).
Skipping pair p_{26} and p_{67} because gcd of their leading monoms is zero.

1987. Creating S-polynomial from the pair (p_{26}, p_{68}).
Skipping pair p_{26} and p_{68} because gcd of their leading monoms is zero.

1988. Creating S-polynomial from the pair (p_{26}, p_{69}).
Skipping pair p_{26} and p_{69} because gcd of their leading monoms is zero.

1989. Creating S-polynomial from the pair (p_{26}, p_{70}).
Skipping pair p_{26} and p_{70} because gcd of their leading monoms is zero.

1990. Creating S-polynomial from the pair (p_{26}, p_{71}).
Skipping pair p_{26} and p_{71} because gcd of their leading monoms is zero.

1991. Creating S-polynomial from the pair (p_{26}, p_{72}).
Skipping pair p_{26} and p_{72} because gcd of their leading monoms is zero.

1992. Creating S-polynomial from the pair (p_{26}, p_{73}).
Skipping pair p_{26} and p_{73} because gcd of their leading monoms is zero.

1993. Creating S-polynomial from the pair (p_{26}, p_{74}).
Skipping pair p_{26} and p_{74} because gcd of their leading monoms is zero.

1994. Creating S-polynomial from the pair (p_{26}, p_{75}).
Forming S-pol of p_{26} and p_{75}:

$$p_{464} = 8u_5u_2^6u_1^3x_1^2 - 16u_5u_2^6u_1^4x_1 + 8u_5u_2^8u_1^3$$

Reduced to zero.

1995. Creating S-polynomial from the pair (p_{26}, p_{76}).
Forming S-pol of p_{26} and p_{76}:

$$p_{465} = 1048576u_5u_2^{19}u_1^{19}x_{12}x_4x_1 + 262144u_5^2u_2^{20}u_1^{18}x_{12}x_1 +$$
$$524288u_5^2u_2^{20}u_1^{19}x_{12} - 1048576u_6u_2^{18}u_1^{20}x_{10}^2x_1 -$$
$$524288u_5u_2^{19}u_1^{19}x_{10}x_5x_1 - 262144u_6u_5u_2^{20}u_1^{18}x_{10}x_1 -$$

$$262144u_5u_2^{20}u_1^{18}x_5x_4x_1 - 131072u_5^2u_2^{21}u_1^{17}x_5x_1+$$
$$(131072u_6u_5u_2^{21}u_1^{17} + 524288u_6u_2^{20}u_1^{19})x_4x_1-$$
$$262144u_6u_5^2u_2^{20}u_1^{18}x_1$$

Reduced to zero.

1996. Creating S-polynomial from the pair (p_{26}, p_{77}).
Forming S-pol of p_{26} and p_{77}:

$$p_{466} = 256u_2^7u_1^8x_{12}x_4x_1 + 128u_5u_2^8u_1^7x_{12}x_1 + 256u_5u_2^8u_1^8x_{12}-$$
$$256u_2^7u_1^8x_{10}x_5x_1 - 512u_6u_2^6u_1^9x_{10}x_1 - 64u_5u_2^9u_1^6x_5x_1+$$
$$128u_6u_2^7u_1^7x_4x_1^2 + 64u_6u_5u_2^8u_1^6x_1^2$$

Reduced to zero.

1997. Creating S-polynomial from the pair (p_{26}, p_{78}).
Forming S-pol of p_{26} and p_{78}:

$$p_{467} = -512u_5u_2^6u_1^9x_{12}x_1 + 256u_5u_2^8u_1^8x_{12} + 128u_6u_2^8u_1^7x_{10}x_1+$$
$$128u_5u_2^7u_1^7x_5x_1^2 - 64u_6u_2^9u_1^6x_4x_1 + 64u_6u_5u_2^8u_1^6x_1^2$$

Reduced to zero.

1998. Creating S-polynomial from the pair (p_{26}, p_{79}).
Skipping pair p_{26} and p_{79} because gcd of their leading monoms is zero.

1999. Creating S-polynomial from the pair (p_{26}, p_{80}).
Skipping pair p_{26} and p_{80} because gcd of their leading monoms is zero.

2000. Creating S-polynomial from the pair (p_{26}, p_{81}).
Skipping pair p_{26} and p_{81} because gcd of their leading monoms is zero.

2001. Creating S-polynomial from the pair (p_{26}, p_{82}).
Skipping pair p_{26} and p_{82} because gcd of their leading monoms is zero.

2002. Creating S-polynomial from the pair (p_{26}, p_{83}).
Skipping pair p_{26} and p_{83} because gcd of their leading monoms is zero.

2003. Creating S-polynomial from the pair (p_{26}, p_{84}).
Skipping pair p_{26} and p_{84} because gcd of their leading monoms is zero.

2004. Creating S-polynomial from the pair (p_{26}, p_{85}).
Skipping pair p_{26} and p_{85} because gcd of their leading monoms is zero.

2005. Creating S-polynomial from the pair (p_{26}, p_{86}).
Skipping pair p_{26} and p_{86} because gcd of their leading monoms is zero.

2006. Creating S-polynomial from the pair (p_{26}, p_{87}).
Skipping pair p_{26} and p_{87} because gcd of their leading monoms is zero.

2007. Creating S-polynomial from the pair (p_{26}, p_{88}).
Skipping pair p_{26} and p_{88} because gcd of their leading monoms is zero.

2008. Creating S-polynomial from the pair (p_{26}, p_{89}).
Skipping pair p_{26} and p_{89} because gcd of their leading monoms is zero.

2009. Creating S-polynomial from the pair (p_{26}, p_{90}).
Skipping pair p_{26} and p_{90} because gcd of their leading monoms is zero.

2010. Creating S-polynomial from the pair (p_{26}, p_{91}).
Skipping pair p_{26} and p_{91} because gcd of their leading monoms is zero.

2011. Creating S-polynomial from the pair (p_{26}, p_{92}).
Skipping pair p_{26} and p_{92} because gcd of their leading monoms is zero.

2012. Creating S-polynomial from the pair (p_{26}, p_{93}).
Skipping pair p_{26} and p_{93} because gcd of their leading monoms is zero.

2013. Creating S-polynomial from the pair (p_{26}, p_{94}).
Skipping pair p_{26} and p_{94} because gcd of their leading monoms is zero.

2014. Creating S-polynomial from the pair (p_{26}, p_{95}).
Skipping pair p_{26} and p_{95} because gcd of their leading monoms is zero.

2015. Creating S-polynomial from the pair (p_{26}, p_{96}).
Skipping pair p_{26} and p_{96} because gcd of their leading monoms is zero.

2016. Creating S-polynomial from the pair (p_{26}, p_{97}).
Skipping pair p_{26} and p_{97} because gcd of their leading monoms is zero.

2017. Creating S-polynomial from the pair (p_{26}, p_{98}).
Skipping pair p_{26} and p_{98} because gcd of their leading monoms is zero.

2018. Creating S-polynomial from the pair (p_{26}, p_{99}).
Skipping pair p_{26} and p_{99} because gcd of their leading monoms is zero.

2019. Creating S-polynomial from the pair (p_{26}, p_{100}).
Forming S-pol of p_{26} and p_{100}:

$$\begin{gathered}
p_{468} = -524288u_5u_2^{17}u_1^{19}x_{12}x_{10}x_1 + 524288u_2^{17}u_1^{19}x_{12}x_4^2x_1 + \\
(-1048576u_5u_2^{16}u_1^{20} - 1048576u_2^{17}u_1^{20})x_{12}x_4x_1 + \\
524288u_5u_2^{18}u_1^{19}x_{12}x_4 + \\
(-131072u_5^2u_2^{19}u_1^{17} + 524288u_5^2u_2^{17}u_1^{19})x_{12}x_1 + \\
524288u_6u_2^{17}u_1^{19}x_{10}^2x_1 + 262144u_5u_2^{18}u_1^{18}x_{10}x_5x_1 + \\
131072u_6u_5u_2^{19}u_1^{17}x_{10}x_1 + 262144u_5u_2^{17}u_1^{18}x_5x_4x_1^2 + \\
65536u_5^2u_2^{20}u_1^{16}x_5x_1 + 131072u_6u_5u_2^{18}u_1^{17}x_4x_1^2 + \\
(-65536u_6u_5u_2^{20}u_1^{16} - 262144u_6u_2^{19}u_1^{18})x_4x_1 + \\
131072u_6u_5^2u_2^{19}u_1^{17}x_1
\end{gathered}$$

Reduced to zero.

2020. Creating S-polynomial from the pair (p_{26}, p_{101}).
Skipping pair p_{26} and p_{101} because gcd of their leading monoms is zero.

2021. Creating S-polynomial from the pair (p_{26}, p_{102}).
Skipping pair p_{26} and p_{102} because gcd of their leading monoms is zero.

2022. Creating S-polynomial from the pair (p_{26}, p_{103}).
Skipping pair p_{26} and p_{103} because gcd of their leading monoms is zero.

2023. Creating S-polynomial from the pair (p_{26}, p_{104}).
Skipping pair p_{26} and p_{104} because gcd of their leading monoms is zero.

2024. Creating S-polynomial from the pair (p_{26}, p_{105}).
Skipping pair p_{26} and p_{105} because gcd of their leading monoms is zero.

2025. Creating S-polynomial from the pair (p_{26}, p_{106}).
Skipping pair p_{26} and p_{106} because gcd of their leading monoms is zero.

2026. Creating S-polynomial from the pair (p_{27}, p_{32}).
Skipping pair p_{27} and p_{32} because gcd of their leading monoms is zero.

2027. Creating S-polynomial from the pair (p_{27}, p_{33}).
Forming S-pol of p_{27} and p_{33}:

$$p_{469} = 4u_2^{13}u_1^2x_{12}x_4 - 4u_5u_2^{12}u_1^2x_{12}x_1 + 8u_2^{11}u_1^3x_{10}x_5x_1 -$$
$$4u_2^{13}u_1^2x_{10}x_5 + 4u_6u_2^{12}u_1^2x_{10}x_1 - 4u_2^{12}u_1^2x_5x_4x_1 +$$
$$4u_6u_2^{11}u_1^2x_4x_1^2 - 8u_6u_2^{11}u_1^3x_4x_1$$

Reduced to zero.

2028. Creating S-polynomial from the pair (p_{27}, p_{34}).
Forming S-pol of p_{27} and p_{34}:

$$p_{470} = -128u_2^{20}u_1^7x_{12}x_4^2 + 128u_5u_2^{19}u_1^7x_{12}x_4x_1 +$$
$$128u_2^{20}u_1^7x_{10}x_5x_4 - 128u_6u_2^{19}u_1^7x_{10}x_4x_1 +$$
$$128u_5u_2^{18}u_1^7x_5x_4x_1^2 - 256u_5u_2^{18}u_1^8x_5x_4x_1 -$$
$$128u_6u_2^{18}u_1^7x_4^2x_1^2 + 256u_6u_2^{18}u_1^8x_4^2x_1$$

Reduced to zero.

2029. Creating S-polynomial from the pair (p_{27}, p_{35}).
Skipping pair p_{27} and p_{35} because gcd of their leading monoms is zero.

2030. Creating S-polynomial from the pair (p_{27}, p_{36}).
Skipping pair p_{27} and p_{36} because gcd of their leading monoms is zero.

2031. Creating S-polynomial from the pair (p_{27}, p_{37}).

Forming S-pol of p_{27} and p_{37}:

$$p_{471} = -128u_3^{13}u_2^7u_1^7x_{12}x_8x_4 + 128u_5u_3^{13}u_2^6u_1^7x_{12}x_8x_1+$$
$$256u_3^{13}u_2^5u_1^8x_{12}x_6x_5x_1 + 128u_5u_3^{13}u_2^5u_1^7x_{12}x_5x_2x_1-$$
$$256u_5u_3^{13}u_2^5u_1^8x_{12}x_5x_1 - 128u_6u_3^{13}u_2^5u_1^7x_{12}x_4x_2x_1+$$
$$256u_6u_3^{13}u_2^5u_1^8x_{12}x_4x_1 - 256u_3^{13}u_2^5u_1^8x_{10}x_8x_5x_1+$$
$$128u_3^{13}u_2^7u_1^7x_{10}x_8x_5 - 128u_6u_3^{13}u_2^6u_1^7x_{10}x_8x_1$$

Reduced to zero.

2032. Creating S-polynomial from the pair (p_{27}, p_{38}).

Skipping pair p_{27} and p_{38} because gcd of their leading monoms is zero.

2033. Creating S-polynomial from the pair (p_{27}, p_{39}).

Skipping pair p_{27} and p_{39} because gcd of their leading monoms is zero.

2034. Creating S-polynomial from the pair (p_{27}, p_{40}).

Forming S-pol of p_{27} and p_{40}:

$$p_{472} = -128u_4^{13}u_2^7u_1^7x_{16}x_{12}x_4 + 128u_5u_4^{13}u_2^6u_1^7x_{16}x_{12}x_1-$$
$$256u_4^{13}u_2^5u_1^8x_{16}x_{10}x_5x_1 + 128u_4^{13}u_2^7u_1^7x_{16}x_{10}x_5-$$
$$128u_6u_4^{13}u_2^6u_1^7x_{16}x_{10}x_1 + 256u_4^{13}u_2^5u_1^8x_{14}x_{12}x_5x_1+$$
$$128u_5u_4^{13}u_2^5u_1^7x_{12}x_5x_3x_1 - 256u_5u_4^{13}u_2^5u_1^8x_{12}x_5x_1-$$
$$128u_6u_4^{13}u_2^5u_1^7x_{12}x_4x_3x_1 + 256u_6u_4^{13}u_2^5u_1^8x_{12}x_4x_1$$

Reduced to zero.

2035. Creating S-polynomial from the pair (p_{27}, p_{41}).

Forming S-pol of p_{27} and p_{41}:

$$p_{473} = 128u_5u_3^{12}u_2^7u_1^7x_{12}x_8x_4 - 128u_5^2u_3^{12}u_2^6u_1^7x_{12}x_8x_1-$$
$$256u_6u_3^{12}u_2^5u_1^8x_{12}x_6x_4x_1 - 128u_5u_3^{13}u_2^5u_1^7x_{12}x_5x_4x_1+$$
$$256u_6u_3^{13}u_2^5u_1^8x_{12}x_4x_1 - 128u_6u_5^2u_3^{13}u_2^5u_1^7x_{12}x_1+$$
$$256u_5u_3^{12}u_2^5u_1^8x_{10}x_8x_5x_1 - 128u_5u_3^{12}u_2^7u_1^7x_{10}x_8x_5+$$
$$128u_6u_5u_3^{12}u_2^6u_1^7x_{10}x_8x_1$$

Reduced to zero.

2036. Creating S-polynomial from the pair (p_{27}, p_{42}).

Forming S-pol of p_{27} and p_{42}:

$$p_{474} = 128u_5u_2^{19}u_1^7x_{12}x_4^2 - 128u_5^2u_2^{18}u_1^7x_{12}x_4x_1+$$
$$256u_5u_2^{17}u_1^8x_{10}x_5x_4x_1 - 128u_5u_2^{19}u_1^7x_{10}x_5x_4-$$
$$256u_6u_2^{17}u_1^8x_{10}x_4^2x_1 + 128u_6u_5u_2^{18}u_1^7x_{10}x_4x_1-$$
$$128u_5u_2^{18}u_1^7x_5x_4^2x_1 + 256u_6u_2^{18}u_1^8x_4^2x_1-$$
$$128u_6u_5^2u_2^{18}u_1^7x_4x_1$$

Reduced to zero.

2037. Creating S-polynomial from the pair (p_{27}, p_{43}).

Forming S-pol of p_{27} and p_{43}:

$$p_{475} = 128u_5u_4^{12}u_2^7u_1^7x_{16}x_{12}x_4 - 128u_5^2u_4^{12}u_2^6u_1^7x_{16}x_{12}x_1+$$
$$256u_5u_4^{12}u_2^5u_1^8x_{16}x_{10}x_5x_1 - 128u_5u_4^{12}u_2^7u_1^7x_{16}x_{10}x_5+$$
$$128u_6u_5u_4^{12}u_2^6u_1^7x_{16}x_{10}x_1 - 256u_6u_4^{12}u_2^5u_1^8x_{14}x_{12}x_4x_1-$$
$$128u_5u_4^{13}u_2^5u_1^7x_{12}x_5x_4x_1 + 256u_6u_4^{13}u_2^5u_1^8x_{12}x_4x_1-$$
$$128u_6u_5^2u_4^{13}u_2^5u_1^7x_{12}x_1$$

Reduced to zero.

2038. Creating S-polynomial from the pair (p_{27}, p_{44}).

Skipping pair p_{27} and p_{44} because gcd of their leading monoms is zero.

2039. Creating S-polynomial from the pair (p_{27}, p_{45}).

Skipping pair p_{27} and p_{45} because gcd of their leading monoms is zero.

2040. Creating S-polynomial from the pair (p_{27}, p_{46}).

Skipping pair p_{27} and p_{46} because gcd of their leading monoms is zero.

2041. Creating S-polynomial from the pair (p_{27}, p_{47}).

Forming S-pol of p_{27} and p_{47}: Polynomial too big for output (text size is 1620 characters, number of terms is 17)

Reduced to zero.

2042. Creating S-polynomial from the pair (p_{27}, p_{48}).

Skipping pair p_{27} and p_{48} because gcd of their leading monoms is zero.

2043. Creating S-polynomial from the pair (p_{27}, p_{49}).

Skipping pair p_{27} and p_{49} because gcd of their leading monoms is zero.

2044. Creating S-polynomial from the pair (p_{27}, p_{50}).

Skipping pair p_{27} and p_{50} because gcd of their leading monoms is zero.

2045. Creating S-polynomial from the pair (p_{27}, p_{51}).

Skipping pair p_{27} and p_{51} because gcd of their leading monoms is zero.

2046. Creating S-polynomial from the pair (p_{27}, p_{52}).

Forming S-pol of p_{27} and p_{52}: Polynomial too big for output (text size is 1397 characters, number of terms is 16)

Reduced to zero.

2047. Creating S-polynomial from the pair (p_{27}, p_{53}).

Skipping pair p_{27} and p_{53} because gcd of their leading monoms is zero.

2048. Creating S-polynomial from the pair (p_{27}, p_{54}).

Skipping pair p_{27} and p_{54} because gcd of their leading monoms is zero.

2049. Creating S-polynomial from the pair (p_{27}, p_{55}).

Forming S-pol of p_{27} and p_{55}:

$$p_{476} = (-1024u_2^{20}u_1^{10} - 4096u_2^{18}u_1^{12})x_{12}x_{10}x_4+$$
$$(1024u_5u_2^{19}u_1^{10} + 4096u_5u_2^{17}u_1^{12})x_{12}x_{10}x_1+$$
$$4096u_2^{17}u_1^{12}x_{12}x_4^2x_1+$$
$$(-512u_5u_2^{20}u_1^9 + 8192u_5u_2^{16}u_1^{13})x_{12}x_4x_1+$$
$$(-2048u_2^{18}u_1^{11} - 8192u_2^{16}u_1^{13})x_{10}^2x_5x_1+$$
$$(1024u_2^{20}u_1^{10} + 4096u_2^{18}u_1^{12})x_{10}^2x_5+$$
$$(-1024u_6u_2^{19}u_1^{10} - 4096u_6u_2^{17}u_1^{12})x_{10}^2x_1+$$
$$1024u_2^{19}u_1^{10}x_{10}x_5x_4x_1 - 2048u_5u_2^{17}u_1^{11}x_5x_4x_1^2+$$
$$256u_5u_2^{21}u_1^8x_5x_4x_1 - 512u_6u_2^{19}u_1^9x_4^2x_1^2+$$
$$1024u_6u_2^{19}u_1^{10}x_4^2x_1+$$
$$(-256u_6u_5u_2^{20}u_1^8 - 1024u_6u_5u_2^{18}u_1^{10})x_4x_1^2$$

Reduced to zero.

2050. Creating S-polynomial from the pair (p_{27}, p_{56}).

Skipping pair p_{27} and p_{56} because gcd of their leading monoms is zero.

2051. Creating S-polynomial from the pair (p_{27}, p_{57}).

Forming S-pol of p_{27} and p_{57}: Polynomial too big for output (text size is 1309 characters, number of terms is 17)

S-pol added.

2052. Creating S-polynomial from the pair (p_{27}, p_{58}).

Forming S-pol of p_{27} and p_{58}:

$$p_{477} = 128u_2^{13}u_1^7x_{12}x_{10}x_4 - 128u_5u_2^{12}u_1^7x_{12}x_{10}x_1-$$
$$128u_2^{12}u_1^7x_{12}x_4^2x_1 - 256u_5u_2^{11}u_1^8x_{12}x_4x_1+$$
$$256u_2^{11}u_1^8x_{10}^2x_5x_1 - 128u_2^{13}u_1^7x_{10}^2x_5+$$
$$128u_6u_2^{12}u_1^7x_{10}^2x_1 + 64u_6u_2^{13}u_1^6x_{10}x_4x_1+$$
$$64u_5u_2^{12}u_1^6x_5x_4x_1^2 - 32u_6u_2^{14}u_1^5x_4^2x_1+$$
$$32u_6u_5u_2^{13}u_1^5x_4x_1^2$$

Reduced to zero.

2053. Creating S-polynomial from the pair (p_{27}, p_{59}).

Forming S-pol of p_{27} and p_{59}:

$$p_{478} = (-256u_2^{19}u_1^8 - 1024u_2^{17}u_1^{10})x_{12}x_{10}x_4+$$
$$(256u_5u_2^{18}u_1^8 + 1024u_5u_2^{16}u_1^{10})x_{12}x_{10}x_1 + 256u_2^{18}u_1^8x_{12}x_4^2x_1-$$
$$128u_5u_2^{19}u_1^7x_{12}x_4x_1 + (-512u_2^{17}u_1^9 - 2048u_2^{15}u_1^{11})x_{10}^2x_5x_1+$$
$$(256u_2^{19}u_1^8 + 1024u_2^{17}u_1^{10})x_{10}^2x_5+$$
$$(-256u_6u_2^{18}u_1^8 - 1024u_6u_2^{16}u_1^{10})x_{10}^2x_1 + 1024u_2^{16}u_1^{10}x_{10}x_5x_4x_1+$$
$$2048u_6u_2^{15}u_1^{11}x_{10}x_4x_1 - 128u_5u_2^{18}u_1^7x_5x_4x_1^2+$$
$$(64u_5u_2^{20}u_1^6 + 256u_5u_2^{18}u_1^8)x_5x_4x_1 - 512u_6u_2^{16}u_1^9x_4^2x_1^2+$$
$$(-64u_6u_5u_2^{19}u_1^6 - 256u_6u_5u_2^{17}u_1^8)x_4x_1^2$$

Reduced to zero.

2054. Creating S-polynomial from the pair (p_{27}, p_{60}).

Forming S-pol of p_{27} and p_{60}:

$$p_{479} = (-16u_2^{17}u_1^4 - 64u_2^{15}u_1^6)x_{12}^2x_4+$$
$$(16u_5u_2^{16}u_1^4 + 64u_5u_2^{14}u_1^6)x_{12}^2x_1+$$
$$(-32u_2^{15}u_1^5 - 128u_2^{13}u_1^7)x_{12}x_{10}x_5x_1+$$
$$(16u_2^{17}u_1^4 + 64u_2^{15}u_1^6)x_{12}x_{10}x_5+$$
$$(-16u_6u_2^{16}u_1^4 - 64u_6u_2^{14}u_1^6)x_{12}x_{10}x_1+$$
$$(16u_2^{16}u_1^4 + 64u_2^{14}u_1^6)x_{12}x_5x_4x_1+$$
$$(-8u_6u_2^{17}u_1^3 + 128u_6u_2^{13}u_1^7)x_{12}x_4x_1+$$
$$(-8u_6u_2^{16}u_1^3 - 32u_6u_2^{14}u_1^5)x_5x_4x_1^2+$$
$$(4u_6u_2^{18}u_1^2 + 16u_6u_2^{16}u_1^4)x_5x_4x_1+$$
$$(-4u_6^2u_2^{17}u_1^2 - 16u_6^2u_2^{15}u_1^4)x_4x_1^2$$

Reduced to zero.

2055. Creating S-polynomial from the pair (p_{27}, p_{61}).

Forming S-pol of p_{27} and p_{61}:

$$p_{480} = 128u_2^{13}u_1^7x_{12}x_{10}x_4 - 128u_5u_2^{12}u_1^7x_{12}x_{10}x_1+$$
$$64u_5u_2^{13}u_1^6x_{12}x_4x_1 + 256u_2^{11}u_1^8x_{10}^2x_5x_1-$$
$$128u_2^{13}u_1^7x_{10}^2x_5 + 128u_6u_2^{12}u_1^7x_{10}^2x_1-$$
$$128u_2^{12}u_1^7x_{10}x_5x_4x_1 - 256u_6u_2^{11}u_1^8x_{10}x_4x_1-$$
$$32u_5u_2^{14}u_1^5x_5x_4x_1 + 64u_6u_2^{12}u_1^6x_4^2x_1^2+$$
$$32u_6u_5u_2^{13}u_1^5x_4x_1^2$$

Reduced to zero.

2056. Creating S-polynomial from the pair (p_{27}, p_{62}).

Forming S-pol of p_{27} and p_{62}: Polynomial too big for output (text size is 1120 characters, number of terms is 16)

S-pol added.

2057. Creating S-polynomial from the pair (p_{27}, p_{63}).

Forming S-pol of p_{27} and p_{63}:

$$p_{481} = 8u_2^{11}u_1^3x_{12}^2x_4 - 8u_5u_2^{10}u_1^3x_{12}^2x_1 + 16u_2^9u_1^4x_{12}x_{10}x_5x_1 -$$
$$8u_2^{11}u_1^3x_{12}x_{10}x_5 + 8u_6u_2^{10}u_1^3x_{12}x_{10}x_1 -$$
$$8u_2^{10}u_1^3x_{12}x_5x_4x_1 +$$
$$(4u_6u_2^{11}u_1^2 - 16u_6u_2^9u_1^4)x_{12}x_4x_1 + 4u_6u_2^{10}u_1^2x_5x_4x_1^2 -$$
$$2u_6u_2^{12}u_1x_5x_4x_1 + 2u_6^2u_2^{11}u_1x_4x_1^2$$

Reduced to zero.

2058. Creating S-polynomial from the pair (p_{27}, p_{64}).

Skipping pair p_{27} and p_{64} because gcd of their leading monoms is zero.

2059. Creating S-polynomial from the pair (p_{27}, p_{65}).

Skipping pair p_{27} and p_{65} because gcd of their leading monoms is zero.

2060. Creating S-polynomial from the pair (p_{27}, p_{66}).

Skipping pair p_{27} and p_{66} because gcd of their leading monoms is zero.

2061. Creating S-polynomial from the pair (p_{27}, p_{67}).

Forming S-pol of p_{27} and p_{67}: Polynomial too big for output (text size is 1635 characters, number of terms is 17)

Reduced to zero.

2062. Creating S-polynomial from the pair (p_{27}, p_{68}).

Skipping pair p_{27} and p_{68} because gcd of their leading monoms is zero.

2063. Creating S-polynomial from the pair (p_{27}, p_{69}).

Skipping pair p_{27} and p_{69} because gcd of their leading monoms is zero.

2064. Creating S-polynomial from the pair (p_{27}, p_{70}).

Skipping pair p_{27} and p_{70} because gcd of their leading monoms is zero.

2065. Creating S-polynomial from the pair (p_{27}, p_{71}).

Skipping pair p_{27} and p_{71} because gcd of their leading monoms is zero.

2066. Creating S-polynomial from the pair (p_{27}, p_{72}).

Forming S-pol of p_{27} and p_{72}: Polynomial too big for output (text size is 1407 characters, number of terms is 16)

Reduced to zero.

2067. Creating S-polynomial from the pair (p_{27}, p_{73}).

Skipping pair p_{27} and p_{73} because gcd of their leading monoms is zero.

2068. Creating S-polynomial from the pair (p_{27}, p_{74}).

Forming S-pol of p_{27} and p_{74}:

$$p_{482} = -512u_5u_2^{17}u_1^9x_{12}x_4 + 512u_5^2u_2^{16}u_1^9x_{12}x_1 -$$
$$1024u_5u_2^{15}u_1^{10}x_{10}x_5x_1 + 512u_5u_2^{17}u_1^9x_{10}x_5 +$$
$$1024u_6u_2^{15}u_1^{10}x_{10}x_4x_1 - 512u_6u_5u_2^{16}u_1^9x_{10}x_1 +$$
$$512u_5u_2^{16}u_1^9x_5x_4x_1 - 512u_6u_2^{16}u_1^9x_4^2x_1$$

Reduced to zero.

2069. Creating S-polynomial from the pair (p_{27}, p_{75}).

Skipping pair p_{27} and p_{75} because gcd of their leading monoms is zero.

2070. Creating S-polynomial from the pair (p_{27}, p_{76}).

Forming S-pol of p_{27} and p_{76}:

$$p_{483} = 524288u_5u_2^{25}u_1^{19}x_{12}x_{10}x_4 - 524288u_5^2u_2^{24}u_1^{19}x_{12}x_{10}x_1 +$$
$$524288u_5u_2^{24}u_1^{19}x_{12}x_4^2x_1 + 262144u_5^2u_2^{25}u_1^{18}x_{12}x_4x_1 +$$
$$1048576u_5u_2^{23}u_1^{20}x_{10}^2x_5x_1 - 524288u_5u_2^{25}u_1^{19}x_{10}^2x_5 -$$
$$1048576u_6u_2^{23}u_1^{20}x_{10}^2x_4x_1 + 524288u_6u_5u_2^{24}u_1^{19}x_{10}^2x_1 -$$
$$524288u_5u_2^{24}u_1^{19}x_{10}x_5x_4x_1 - 262144u_6u_5u_2^{25}u_1^{18}x_{10}x_4x_1 -$$
$$262144u_5u_2^{25}u_1^{18}x_5x_4^2x_1 - 131072u_5^2u_2^{26}u_1^{17}x_5x_4x_1 +$$
$$(131072u_6u_5u_2^{26}u_1^{17} + 524288u_6u_2^{25}u_1^{19})x_4^2x_1 -$$
$$262144u_6u_5^2u_2^{25}u_1^{18}x_4x_1$$

Reduced to zero.

2071. Creating S-polynomial from the pair (p_{27}, p_{77}).

Forming S-pol of p_{27} and p_{77}:

$$p_{484} = 256u_2^{13}u_1^8x_{12}x_{10}x_4 - 256u_5u_2^{12}u_1^8x_{12}x_{10}x_1 +$$
$$128u_5u_2^{13}u_1^7x_{12}x_4x_1 + 512u_2^{11}u_1^9x_{10}^2x_5x_1 -$$
$$256u_2^{13}u_1^8x_{10}^2x_5 + 256u_6u_2^{12}u_1^8x_{10}^2x_1 -$$
$$256u_2^{12}u_1^8x_{10}x_5x_4x_1 - 512u_6u_2^{11}u_1^9x_{10}x_4x_1 -$$
$$64u_5u_2^{14}u_1^6x_5x_4x_1 + 128u_6u_2^{12}u_1^7x_4^2x_1^2 +$$
$$64u_6u_5u_2^{13}u_1^6x_4x_1^2$$

Reduced to zero.

2072. Creating S-polynomial from the pair (p_{27}, p_{78}).

Forming S-pol of p_{27} and p_{78}:

$$p_{485} = 256u_2^{13}u_1^8x_{12}x_{10}x_4 - 256u_5u_2^{12}u_1^8x_{12}x_{10}x_1 -$$
$$256u_2^{12}u_1^8x_{12}x_4^2x_1 - 512u_5u_2^{11}u_1^9x_{12}x_4x_1 +$$
$$512u_2^{11}u_1^9x_{10}^2x_5x_1 - 256u_2^{13}u_1^8x_{10}^2x_5 +$$
$$256u_6u_2^{12}u_1^8x_{10}^2x_1 + 128u_6u_2^{13}u_1^7x_{10}x_4x_1 +$$
$$128u_5u_2^{12}u_1^7x_5x_4x_1^2 - 64u_6u_2^{14}u_1^6x_4^2x_1 +$$
$$64u_6u_5u_2^{13}u_1^6x_4x_1^2$$

Reduced to zero.

2073. Creating S-polynomial from the pair (p_{27}, p_{79}).

Forming S-pol of p_{27} and p_{79}:

$$p_{486} = (-512u_2^{21}u_1^9 + 1024u_2^{19}u_1^{10})x_{12}x_4^2 +$$
$$(512u_5u_2^{20}u_1^9 - 1024u_5u_2^{18}u_1^{10})x_{12}x_4x_1 + 2048u_2^{17}u_1^{11}x_{10}x_5x_4x_1 +$$
$$(512u_2^{21}u_1^9 - 1024u_2^{19}u_1^{10})x_{10}x_5x_4 +$$
$$(-512u_6u_2^{20}u_1^9 + 1024u_6u_2^{18}u_1^{10})x_{10}x_4x_1 +$$
$$(-4096u_2^{16}u_1^{12} + 2048u_2^{16}u_1^{11})x_5x_4^2x_1^2 +$$
$$(2048u_2^{18}u_1^{11} - 1024u_2^{18}u_1^{10})x_5x_4^2x_1 + 512u_5u_2^{19}u_1^9x_5x_4x_1^2 -$$
$$1024u_5u_2^{19}u_1^{10}x_5x_4x_1 +$$
$$(-512u_6u_2^{19}u_1^9 - 2048u_6u_2^{17}u_1^{11} + 1024u_6u_2^{17}u_1^{10})x_4^2x_1^2 +$$
$$1024u_6u_2^{19}u_1^{10}x_4^2x_1$$

S-pol added.

2074. Creating S-polynomial from the pair (p_{27}, p_{80}).

Forming S-pol of p_{27} and p_{80}:

$$p_{487} = 8u_2^{13}u_1^3x_{12}x_4 - 8u_5u_2^{12}u_1^3x_{12}x_1 + 16u_2^{11}u_1^4x_{10}x_5x_1 -$$
$$8u_2^{13}u_1^3x_{10}x_5 + 8u_6u_2^{12}u_1^3x_{10}x_1 - 8u_2^{12}u_1^3x_5x_4x_1 +$$
$$8u_6u_2^{11}u_1^3x_4x_1^2 - 16u_6u_2^{11}u_1^4x_4x_1$$

Reduced to zero.

2075. Creating S-polynomial from the pair (p_{27}, p_{81}).

Skipping pair p_{27} and p_{81} because gcd of their leading monoms is zero.

2076. Creating S-polynomial from the pair (p_{27}, p_{82}).

Skipping pair p_{27} and p_{82} because gcd of their leading monoms is zero.

2077. Creating S-polynomial from the pair (p_{27}, p_{83}).

Skipping pair p_{27} and p_{83} because gcd of their leading monoms is zero.

2078. Creating S-polynomial from the pair (p_{27}, p_{84}).

Skipping pair p_{27} and p_{84} because gcd of their leading monoms is zero.

2079. Creating S-polynomial from the pair (p_{27}, p_{85}).

Skipping pair p_{27} and p_{85} because gcd of their leading monoms is zero.

2080. Creating S-polynomial from the pair (p_{27}, p_{86}).

Forming S-pol of p_{27} and p_{86}:

$$p_{488} = (-512u_3^{14}u_2^7u_1^9 + 1024u_3^{12}u_2^7u_1^{10})x_{12}x_8x_4+$$
$$(512u_5u_3^{14}u_2^6u_1^9 - 1024u_5u_3^{12}u_2^6u_1^{10})x_{12}x_8x_1+$$
$$1024u_3^{14}u_2^5u_1^{10}x_{12}x_6x_5x_1+$$
$$(-4096u_3^{11}u_2^5u_1^{12} + 2048u_3^{11}u_2^5u_1^{11})x_{12}x_5x_4x_2x_1+$$
$$(2048u_3^{13}u_2^5u_1^{11} - 1024u_3^{13}u_2^5u_1^{10})x_{12}x_5x_4x_1+$$
$$512u_5u_3^{14}u_2^5u_1^9x_{12}x_5x_2x_1 - 1024u_5u_3^{14}u_2^5u_1^{10}x_{12}x_5x_1+$$
$$(-512u_6u_3^{14}u_2^5u_1^9 - 2048u_6u_3^{12}u_2^5u_1^{11}+$$
$$1024u_6u_3^{12}u_2^5u_1^{10})x_{12}x_4x_2x_1 + 1024u_6u_3^{14}u_2^5u_1^{10}x_{12}x_4x_1+$$
$$(-1024u_3^{14}u_2^5u_1^{10} + 2048u_3^{12}u_2^5u_1^{11})x_{10}x_8x_5x_1+$$
$$(512u_3^{14}u_2^7u_1^9 - 1024u_3^{12}u_2^7u_1^{10})x_{10}x_8x_5+$$
$$(-512u_6u_3^{14}u_2^6u_1^9 + 1024u_6u_3^{12}u_2^6u_1^{10})x_{10}x_8x_1$$

S-pol added.

2081. Creating S-polynomial from the pair (p_{27}, p_{87}).

Skipping pair p_{27} and p_{87} because gcd of their leading monoms is zero.

2082. Creating S-polynomial from the pair (p_{27}, p_{88}).

Skipping pair p_{27} and p_{88} because gcd of their leading monoms is zero.

2083. Creating S-polynomial from the pair (p_{27}, p_{89}).

Skipping pair p_{27} and p_{89} because gcd of their leading monoms is zero.

2084. Creating S-polynomial from the pair (p_{27}, p_{90}).

Skipping pair p_{27} and p_{90} because gcd of their leading monoms is zero.

2085. Creating S-polynomial from the pair (p_{27}, p_{91}).

Skipping pair p_{27} and p_{91} because gcd of their leading monoms is zero.

2086. Creating S-polynomial from the pair (p_{27}, p_{92}).

Skipping pair p_{27} and p_{92} because gcd of their leading monoms is zero.

2087. Creating S-polynomial from the pair (p_{27}, p_{93}).

Forming S-pol of p_{27} and p_{93}: Polynomial too big for output (text size is 1006 characters, number of terms is 12)

S-pol added.

2088. Creating S-polynomial from the pair (p_{27}, p_{94}).

Skipping pair p_{27} and p_{94} because gcd of their leading monoms is zero.

2089. Creating S-polynomial from the pair (p_{27}, p_{95}).

Forming S-pol of p_{27} and p_{95}: Polynomial too big for output (text size is 1102 characters, number of terms is 15)

Reduced to zero.

2090. Creating S-polynomial from the pair (p_{27}, p_{96}).

Forming S-pol of p_{27} and p_{96}:

$$p_{489} = -16u_3^5u_2^7u_1^4x_{12}x_8x_4+$$
$$(16u_5u_3^5u_2^6u_1^4 - 64u_5u_3^4u_2^5u_1^6)x_{12}x_8x_1+$$
$$32u_3^5u_2^5u_1^5x_{12}x_6x_5x_1 + 64u_6u_3^4u_2^5u_1^6x_{12}x_6x_1+$$
$$16u_5u_3^5u_2^5u_1^4x_{12}x_5x_2x_1 - 16u_6u_3^5u_2^5u_1^4x_{12}x_4x_2x_1-$$
$$32u_3^5u_2^5u_1^5x_{10}x_8x_5x_1 + 16u_3^5u_2^7u_1^4x_{10}x_8x_5-$$
$$16u_6u_3^5u_2^6u_1^4x_{10}x_8x_1$$

Reduced to zero.

2091. Creating S-polynomial from the pair (p_{27}, p_{97}).

Forming S-pol of p_{27} and p_{97}:

$$p_{490} = -256u_3^{13}u_2^7u_1^8x_{12}x_8x_4 + 256u_5u_3^{13}u_2^6u_1^8x_{12}x_8x_1+$$
$$512u_3^{13}u_2^5u_1^9x_{12}x_6x_5x_1+$$
$$(-2048u_3^{10}u_2^5u_1^{11} + 1024u_3^{10}u_2^5u_1^{10})x_{12}x_5x_4x_2x_1+$$
$$1024u_3^{12}u_2^5u_1^{10}x_{12}x_5x_4x_1 + 256u_5u_3^{13}u_2^5u_1^8x_{12}x_5x_2x_1-$$
$$512u_5u_3^{13}u_2^5u_1^9x_{12}x_5x_1+$$
$$(-256u_6u_3^{13}u_2^5u_1^8 - 1024u_6u_3^{11}u_2^5u_1^{10})x_{12}x_4x_2x_1+$$
$$(512u_6u_3^{13}u_2^5u_1^9 + 1024u_6u_3^{11}u_2^5u_1^{10})x_{12}x_4x_1-$$
$$512u_3^{13}u_2^5u_1^9x_{10}x_8x_5x_1 + 256u_3^{13}u_2^7u_1^8x_{10}x_8x_5-$$
$$256u_6u_3^{13}u_2^6u_1^8x_{10}x_8x_1$$

S-pol added.

2092. Creating S-polynomial from the pair (p_{27}, p_{98}).

Forming S-pol of p_{27} and p_{98}: Polynomial too big for output (text size is 2945 characters, number of terms is 32)

Reduced to zero.

2093. Creating S-polynomial from the pair (p_{27}, p_{99}).

Skipping pair p_{27} and p_{99} because gcd of their leading monoms is zero.

2094. Creating S-polynomial from the pair (p_{27}, p_{100}).

Forming S-pol of p_{27} and p_{100}:

$$p_{491} = -524288u_5u_2^{22}u_1^{19}x_{12}x_{10}x_4x_1 + 524288u_2^{23}u_1^{19}x_{12}x_{10}x_4-$$
$$524288u_5u_2^{22}u_1^{19}x_{12}x_{10}x_1+$$
$$(-1048576u_5u_2^{21}u_1^{20} - 1048576u_2^{22}u_1^{20})x_{12}x_4^2x_1+$$
$$(-131072u_5^2u_2^{24}u_1^{17} + 524288u_5^2u_2^{22}u_1^{19})x_{12}x_4x_1+$$
$$1048576u_2^{21}u_1^{20}x_{10}^2x_5x_1 - 524288u_2^{23}u_1^{19}x_{10}^2x_5+$$
$$524288u_6u_2^{22}u_1^{19}x_{10}^2x_4x_1 + 524288u_6u_2^{22}u_1^{19}x_{10}^2x_1+$$
$$262144u_5u_2^{23}u_1^{18}x_{10}x_5x_4x_1 + 131072u_6u_5u_2^{24}u_1^{17}x_{10}x_4x_1+$$
$$262144u_5u_2^{22}u_1^{18}x_5x_4^2x_1^2 + 65536u_5^2u_2^{25}u_1^{16}x_5x_4x_1+$$
$$131072u_6u_5u_2^{23}u_1^{17}x_4^2x_1^2+$$
$$(-65536u_6u_5u_2^{25}u_1^{16} - 262144u_6u_2^{24}u_1^{18})x_4^2x_1+$$
$$131072u_6u_5^2u_2^{24}u_1^{17}x_4x_1$$

S-pol added.

2095. Creating S-polynomial from the pair (p_{27}, p_{101}).

Forming S-pol of p_{27} and p_{101}:

$$p_{492} = -16u_2^{12}u_1^4x_{12}x_4^2+$$
$$(16u_5u_2^{11}u_1^4 - 64u_5u_2^9u_1^6)x_{12}x_4x_1 + 16u_2^{12}u_1^4x_{10}x_5x_4+$$
$$(-16u_6u_2^{11}u_1^4 + 64u_6u_2^9u_1^6)x_{10}x_4x_1 + 16u_5u_2^{10}u_1^4x_5x_4x_1^2-$$
$$16u_6u_2^{10}u_1^4x_4^2x_1^2$$

Reduced to zero.

2096. Creating S-polynomial from the pair (p_{27}, p_{102}).

Forming S-pol of p_{27} and p_{102}:

$$p_{493} = -256u_2^{20}u_1^8x_{12}x_4^2 + 256u_5u_2^{19}u_1^8x_{12}x_4x_1+$$
$$256u_2^{20}u_1^8x_{10}x_5x_4 - 256u_6u_2^{19}u_1^8x_{10}x_4x_1+$$
$$(-2048u_2^{15}u_1^{11} + 1024u_2^{15}u_1^{10})x_5x_4^2x_1^2 + 1024u_2^{17}u_1^{10}x_5x_4^2x_1+$$
$$256u_5u_2^{18}u_1^8x_5x_4x_1^2 - 512u_5u_2^{18}u_1^9x_5x_4x_1+$$
$$(-256u_6u_2^{18}u_1^8 - 1024u_6u_2^{16}u_1^{10})x_4^2x_1^2+$$
$$(512u_6u_2^{18}u_1^9 + 1024u_6u_2^{16}u_1^{10})x_4^2x_1$$

S-pol added.

2097. Creating S-polynomial from the pair (p_{27}, p_{103}).

Forming S-pol of p_{27} and p_{103}: Polynomial too big for output (text size is 2957 characters, number of terms is 32)

Reduced to zero.

2098. Creating S-polynomial from the pair (p_{27}, p_{104}).

Forming S-pol of p_{27} and p_{104}: Polynomial too big for output (text size is 1117 characters, number of terms is 15)

Reduced to zero.

2099. Creating S-polynomial from the pair (p_{27}, p_{105}).

Forming S-pol of p_{27} and p_{105}:

$$p_{494} = -16u_4^5u_2^7u_1^4x_{16}x_{12}x_4+$$
$$(16u_5u_4^5u_2^6u_1^4 - 64u_5u_4^4u_2^5u_1^6)x_{16}x_{12}x_1-$$
$$32u_4^5u_2^5u_1^5x_{16}x_{10}x_5x_1 + 16u_4^5u_2^7u_1^4x_{16}x_{10}x_5-$$
$$16u_6u_4^5u_2^6u_1^4x_{16}x_{10}x_1 + 32u_4^5u_2^5u_1^5x_{14}x_{12}x_5x_1+$$
$$64u_6u_4^4u_2^5u_1^6x_{14}x_{12}x_1 + 16u_5u_4^5u_2^5u_1^4x_{12}x_5x_3x_1-$$
$$16u_6u_4^5u_2^5u_1^4x_{12}x_4x_3x_1$$

Reduced to zero.

2100. Creating S-polynomial from the pair (p_{27}, p_{106}).

Forming S-pol of p_{27} and p_{106}:

$$p_{495} = -256u_4^{13}u_2^7u_1^8x_{16}x_{12}x_4 + 256u_5u_4^{13}u_2^6u_1^8x_{16}x_{12}x_1-$$
$$512u_4^{13}u_2^5u_1^9x_{16}x_{10}x_5x_1 + 256u_4^{13}u_2^7u_1^8x_{16}x_{10}x_5-$$
$$256u_6u_4^{13}u_2^6u_1^8x_{16}x_{10}x_1 + 512u_4^{13}u_2^5u_1^9x_{14}x_{12}x_5x_1+$$
$$(-2048u_4^{10}u_2^5u_1^{11} + 1024u_4^{10}u_2^5u_1^{10})x_{12}x_5x_4x_3x_1+$$
$$1024u_4^{12}u_2^5u_1^{10}x_{12}x_5x_4x_1 + 256u_5u_4^{13}u_2^5u_1^8x_{12}x_5x_3x_1-$$
$$512u_5u_4^{13}u_2^5u_1^9x_{12}x_5x_1+$$
$$(-256u_6u_4^{13}u_2^5u_1^8 - 1024u_6u_4^{11}u_2^5u_1^{10})x_{12}x_4x_3x_1+$$
$$(512u_6u_4^{13}u_2^5u_1^9 + 1024u_6u_4^{11}u_2^5u_1^{10})x_{12}x_4x_1$$

S-pol added.

2101. Creating S-polynomial from the pair (p_{28}, p_{32}).

Skipping pair p_{28} and p_{32} because gcd of their leading monoms is zero.

2102. Creating S-polynomial from the pair (p_{28}, p_{33}).

Forming S-pol of p_{28} and p_{33}:

$$p_{496} = 4u_6u_2^6u_1^2x_1^2 - 8u_6u_2^6u_1^3x_1 + 4u_6u_2^8u_1^2$$

Reduced to zero.

2103. Creating S-polynomial from the pair (p_{28}, p_{34}).

Forming S-pol of p_{28} and p_{34}:

$$p_{497} = 256u_2^{13}u_1^8x_{10}x_5x_1 - 128u_2^{14}u_1^7x_5x_4x_1 + 128u_5u_2^{13}u_1^7x_5x_1^2 - 256u_5u_2^{13}u_1^8x_5x_1 - 128u_6u_2^{13}u_1^7x_4x_1^2 + 256u_6u_2^{13}u_1^8x_4x_1 - 128u_6u_2^{15}u_1^7x_4$$

Reduced to zero.

2104. Creating S-polynomial from the pair (p_{28}, p_{35}).

Skipping pair p_{28} and p_{35} because gcd of their leading monoms is zero.

2105. Creating S-polynomial from the pair (p_{28}, p_{36}).

Skipping pair p_{28} and p_{36} because gcd of their leading monoms is zero.

2106. Creating S-polynomial from the pair (p_{28}, p_{37}).

Skipping pair p_{28} and p_{37} because gcd of their leading monoms is zero.

2107. Creating S-polynomial from the pair (p_{28}, p_{38}).

Skipping pair p_{28} and p_{38} because gcd of their leading monoms is zero.

2108. Creating S-polynomial from the pair (p_{28}, p_{39}).

Skipping pair p_{28} and p_{39} because gcd of their leading monoms is zero.

2109. Creating S-polynomial from the pair (p_{28}, p_{40}).

Skipping pair p_{28} and p_{40} because gcd of their leading monoms is zero.

2110. Creating S-polynomial from the pair (p_{28}, p_{41}).

Skipping pair p_{28} and p_{41} because gcd of their leading monoms is zero.

2111. Creating S-polynomial from the pair (p_{28}, p_{42}).

Forming S-pol of p_{28} and p_{42}:

$$p_{498} = -256u_6u_2^{12}u_1^8x_{10}x_4x_1 + 256u_6u_2^{13}u_1^8x_4x_1 + 128u_6u_5u_2^{14}u_1^7x_4 - 128u_6u_5^2u_2^{13}u_1^7x_1$$

Reduced to zero.

2112. Creating S-polynomial from the pair (p_{28}, p_{43}).

Skipping pair p_{28} and p_{43} because gcd of their leading monoms is zero.

2113. Creating S-polynomial from the pair (p_{28}, p_{44}).

Skipping pair p_{28} and p_{44} because gcd of their leading monoms is zero.

2114. Creating S-polynomial from the pair (p_{28}, p_{45}).

Skipping pair p_{28} and p_{45} because gcd of their leading monoms is zero.

2115. Creating S-polynomial from the pair (p_{28}, p_{46}).

Skipping pair p_{28} and p_{46} because gcd of their leading monoms is zero.

2116. Creating S-polynomial from the pair (p_{28}, p_{47}).
Skipping pair p_{28} and p_{47} because gcd of their leading monoms is zero.

2117. Creating S-polynomial from the pair (p_{28}, p_{48}).
Skipping pair p_{28} and p_{48} because gcd of their leading monoms is zero.

2118. Creating S-polynomial from the pair (p_{28}, p_{49}).
Skipping pair p_{28} and p_{49} because gcd of their leading monoms is zero.

2119. Creating S-polynomial from the pair (p_{28}, p_{50}).
Skipping pair p_{28} and p_{50} because gcd of their leading monoms is zero.

2120. Creating S-polynomial from the pair (p_{28}, p_{51}).
Skipping pair p_{28} and p_{51} because gcd of their leading monoms is zero.

2121. Creating S-polynomial from the pair (p_{28}, p_{52}).
Skipping pair p_{28} and p_{52} because gcd of their leading monoms is zero.

2122. Creating S-polynomial from the pair (p_{28}, p_{53}).
Skipping pair p_{28} and p_{53} because gcd of their leading monoms is zero.

2123. Creating S-polynomial from the pair (p_{28}, p_{54}).
Skipping pair p_{28} and p_{54} because gcd of their leading monoms is zero.

2124. Creating S-polynomial from the pair (p_{28}, p_{55}).
Forming S-pol of p_{28} and p_{55}:

$$p_{499} = 4096u_2^{12}u_1^{12}x_{12}x_4x_1+$$
$$(-512u_5u_2^{15}u_1^9 + 8192u_5u_2^{11}u_1^{13})x_{12}x_1 - 4096u_2^{12}u_1^{12}x_{10}x_5x_1+$$
$$(-1024u_6u_2^{15}u_1^{10} - 4096u_6u_2^{13}u_1^{12})x_{10} - 2048u_5u_2^{12}u_1^{11}x_5x_1^2+$$
$$256u_5u_2^{16}u_1^8x_5x_1 - 512u_6u_2^{14}u_1^9x_4x_1^2 + 1024u_6u_2^{14}u_1^{10}x_4x_1+$$
$$(-256u_6u_5u_2^{15}u_1^8 - 1024u_6u_5u_2^{13}u_1^{10})x_1^2$$

Reduced to zero.

2125. Creating S-polynomial from the pair (p_{28}, p_{56}).
Skipping pair p_{28} and p_{56} because gcd of their leading monoms is zero.

2126. Creating S-polynomial from the pair (p_{28}, p_{57}).
Forming S-pol of p_{28} and p_{57}: Polynomial too big for output (text size is 1018 characters, number of terms is 14)

Reduced to zero.

2127. Creating S-polynomial from the pair (p_{28}, p_{58}).
Forming S-pol of p_{28} and p_{58}:

$$p_{500} = -128u_2^7u_1^7x_{12}x_4x_1 - 256u_5u_2^6u_1^8x_{12}x_1 + 128u_2^7u_1^7x_{10}x_5x_1+$$
$$64u_6u_2^8u_1^6x_{10}x_1 + 128u_6u_2^8u_1^7x_{10} + 64u_5u_2^7u_1^6x_5x_1^2-$$
$$32u_6u_2^9u_1^5x_4x_1 + 32u_6u_5u_2^8u_1^5x_1^2$$

Reduced to zero.

2128. Creating S-polynomial from the pair (p_{28}, p_{59}).

Forming S-pol of p_{28} and p_{59}:

$$p_{501} = 256u_2^{13}u_1^8x_{12}x_4x_1 - 128u_5u_2^{14}u_1^7x_{12}x_1 - 256u_2^{13}u_1^8x_{10}x_5x_1+$$
$$2048u_6u_2^{10}u_1^{11}x_{10}x_1+$$
$$(-256u_6u_2^{14}u_1^8 - 1024u_6u_2^{12}u_1^{10})x_{10} - 128u_5u_2^{13}u_1^7x_5x_1^2+$$
$$(64u_5u_2^{15}u_1^6 + 256u_5u_2^{13}u_1^8)x_5x_1 - 512u_6u_2^{11}u_1^9x_4x_1^2+$$
$$(-64u_6u_5u_2^{14}u_1^6 - 256u_6u_5u_2^{12}u_1^8)x_1^2$$

Reduced to zero.

2129. Creating S-polynomial from the pair (p_{28}, p_{60}).

Forming S-pol of p_{28} and p_{60}:

$$p_{502} = (-8u_6u_2^{12}u_1^3 + 128u_6u_2^8u_1^7)x_{12}x_1+$$
$$(-16u_6u_2^{12}u_1^4 - 64u_6u_2^{10}u_1^6)x_{12}+$$
$$(-8u_6u_2^{11}u_1^3 - 32u_6u_2^9u_1^5)x_5x_1^2+$$
$$(4u_6u_2^{13}u_1^2 + 16u_6u_2^{11}u_1^4)x_5x_1+$$
$$(-4u_6^2u_2^{12}u_1^2 - 16u_6^2u_2^{10}u_1^4)x_1^2$$

Reduced to zero.

2130. Creating S-polynomial from the pair (p_{28}, p_{61}).

Forming S-pol of p_{28} and p_{61}:

$$p_{503} = 64u_5u_2^8u_1^6x_{12}x_1 - 256u_6u_2^6u_1^8x_{10}x_1 + 128u_6u_2^8u_1^7x_{10}-$$
$$32u_5u_2^9u_1^5x_5x_1 + 64u_6u_2^7u_1^6x_4x_1^2 + 32u_6u_5u_2^8u_1^5x_1^2$$

Reduced to zero.

2131. Creating S-polynomial from the pair (p_{28}, p_{62}).

Forming S-pol of p_{28} and p_{62}:

$$p_{504} = 4096u_2^{19}u_1^{12}x_{12}x_{10}x_5x_1 - 2048u_2^{20}u_1^{11}x_{12}x_5x_4x_1+$$
$$(1024u_5u_2^{21}u_1^{10} - 4096u_5u_2^{19}u_1^{12})x_{12}x_5x_1+$$
$$(-1024u_6u_2^{21}u_1^{10} + 16384u_6u_2^{17}u_1^{14})x_{12}x_4x_1+$$
$$(-2048u_6u_2^{21}u_1^{11} - 8192u_6u_2^{19}u_1^{13})x_{12}x_4+$$
$$(-1024u_6u_2^{20}u_1^{10} - 4096u_6u_2^{18}u_1^{12})x_5x_4x_1^2+$$
$$(512u_6u_2^{22}u_1^9 + 2048u_6u_2^{20}u_1^{11})x_5x_4x_1+$$
$$(512u_6u_5u_2^{21}u_1^9 + 2048u_5u_2^{20}u_1^{11})x_5x_1^2 - 1024u_5u_2^{22}u_1^{10}x_5x_1+$$
$$(-512u_6^2u_2^{21}u_1^9 - 2048u_6^2u_2^{19}u_1^{11})x_4x_1^2-$$
$$1024u_6^2u_5u_2^{20}u_1^{10}x_1^2 + 512u_6^2u_5u_2^{22}u_1^9x_1$$

Reduced to zero.

2132. Creating S-polynomial from the pair (p_{28}, p_{63}).
Forming S-pol of p_{28} and p_{63}:

$$p_{505} = (4u_6u_2^6u_1^2 - 16u_6u_2^4u_1^4)x_{12}x_1 + 8u_6u_2^6u_1^3x_{12} +$$
$$4u_6u_2^5u_1^2x_5x_1^2 - 2u_6u_2^7u_1x_5x_1 + 2u_6^2u_2^6u_1x_1^2$$

Reduced to zero.

2133. Creating S-polynomial from the pair (p_{28}, p_{64}).
Skipping pair p_{28} and p_{64} because gcd of their leading monoms is zero.

2134. Creating S-polynomial from the pair (p_{28}, p_{65}).
Skipping pair p_{28} and p_{65} because gcd of their leading monoms is zero.

2135. Creating S-polynomial from the pair (p_{28}, p_{66}).
Skipping pair p_{28} and p_{66} because gcd of their leading monoms is zero.

2136. Creating S-polynomial from the pair (p_{28}, p_{67}).
Skipping pair p_{28} and p_{67} because gcd of their leading monoms is zero.

2137. Creating S-polynomial from the pair (p_{28}, p_{68}).
Skipping pair p_{28} and p_{68} because gcd of their leading monoms is zero.

2138. Creating S-polynomial from the pair (p_{28}, p_{69}).
Skipping pair p_{28} and p_{69} because gcd of their leading monoms is zero.

2139. Creating S-polynomial from the pair (p_{28}, p_{70}).
Skipping pair p_{28} and p_{70} because gcd of their leading monoms is zero.

2140. Creating S-polynomial from the pair (p_{28}, p_{71}).
Skipping pair p_{28} and p_{71} because gcd of their leading monoms is zero.

2141. Creating S-polynomial from the pair (p_{28}, p_{72}).
Skipping pair p_{28} and p_{72} because gcd of their leading monoms is zero.

2142. Creating S-polynomial from the pair (p_{28}, p_{73}).
Skipping pair p_{28} and p_{73} because gcd of their leading monoms is zero.

2143. Creating S-polynomial from the pair (p_{28}, p_{74}).
Forming S-pol of p_{28} and p_{74}:

$$p_{506} = 1024u_6u_2^{10}u_1^{10}x_{10}x_1 - 512u_6u_2^{11}u_1^9x_4x_1 - 512u_6u_5u_2^{12}u_1^9$$

Reduced to zero.

2144. Creating S-polynomial from the pair (p_{28}, p_{75}).
Skipping pair p_{28} and p_{75} because gcd of their leading monoms is zero.

2145. Creating S-polynomial from the pair (p_{28}, p_{76}).

Forming S-pol of p_{28} and p_{76}:

$$p_{507} = 524288u_5u_2^{19}u_1^{19}x_{12}x_4x_1 + 262144u_5^2u_2^{20}u_1^{18}x_{12}x_1 -$$
$$1048576u_6u_2^{18}u_1^{20}x_{10}^2x_1 - 262144u_6u_5u_2^{20}u_1^{18}x_{10}x_1 +$$
$$524288u_6u_5u_2^{20}u_1^{19}x_{10} - 262144u_5u_2^{20}u_1^{18}x_5x_4x_1 -$$
$$131072u_5^2u_2^{21}u_1^{17}x_5x_1 +$$
$$(131072u_6u_5u_2^{21}u_1^{17} + 524288u_6u_2^{20}u_1^{19})x_4x_1 -$$
$$262144u_6u_5^2u_2^{20}u_1^{18}x_1$$

Reduced to zero.

2146. Creating S-polynomial from the pair (p_{28}, p_{77}).

Forming S-pol of p_{28} and p_{77}:

$$p_{508} = 128u_5u_2^8u_1^7x_{12}x_1 - 512u_6u_2^6u_1^9x_{10}x_1 + 256u_6u_2^8u_1^8x_{10} -$$
$$64u_5u_2^9u_1^6x_5x_1 + 128u_6u_2^7u_1^7x_4x_1^2 + 64u_6u_5u_2^8u_1^6x_1^2$$

Reduced to zero.

2147. Creating S-polynomial from the pair (p_{28}, p_{78}).

Forming S-pol of p_{28} and p_{78}:

$$p_{509} = -256u_2^7u_1^8x_{12}x_4x_1 - 512u_5u_2^6u_1^9x_{12}x_1 + 256u_2^7u_1^8x_{10}x_5x_1 +$$
$$128u_6u_2^8u_1^7x_{10}x_1 + 256u_6u_2^8u_1^8x_{10} + 128u_5u_2^7u_1^7x_5x_1^2 -$$
$$64u_6u_2^9u_1^6x_4x_1 + 64u_6u_5u_2^8u_1^6x_1^2$$

Reduced to zero.

2148. Creating S-polynomial from the pair (p_{28}, p_{79}).

Forming S-pol of p_{28} and p_{79}:

$$p_{510} = 1024u_2^{14}u_1^{10}x_{10}x_5x_1 + (-4096u_2^{11}u_1^{12} + 2048u_2^{11}u_1^{11})x_5x_4x_1^2 +$$
$$(-512u_2^{15}u_1^9 + 2048u_2^{13}u_1^{11})x_5x_4x_1 + 512u_5u_2^{14}u_1^9x_5x_1^2 -$$
$$1024u_5u_2^{14}u_1^{10}x_5x_1 +$$
$$(-512u_6u_2^{14}u_1^9 - 2048u_6u_2^{12}u_1^{11} + 1024u_6u_2^{12}u_1^{10})x_4x_1^2 +$$
$$1024u_6u_2^{14}u_1^{10}x_4x_1 + (-512u_6u_2^{16}u_1^9 + 1024u_6u_2^{14}u_1^{10})x_4$$

S-pol added.

2149. Creating S-polynomial from the pair (p_{28}, p_{80}).

Forming S-pol of p_{28} and p_{80}:

$$p_{511} = 8u_6u_2^6u_1^3x_1^2 - 16u_6u_2^6u_1^4x_1 + 8u_6u_2^8u_1^3$$

Reduced to zero.

2150. Creating S-polynomial from the pair (p_{28}, p_{81}).
Skipping pair p_{28} and p_{81} because gcd of their leading monoms is zero.

2151. Creating S-polynomial from the pair (p_{28}, p_{82}).
Skipping pair p_{28} and p_{82} because gcd of their leading monoms is zero.

2152. Creating S-polynomial from the pair (p_{28}, p_{83}).
Skipping pair p_{28} and p_{83} because gcd of their leading monoms is zero.

2153. Creating S-polynomial from the pair (p_{28}, p_{84}).
Skipping pair p_{28} and p_{84} because gcd of their leading monoms is zero.

2154. Creating S-polynomial from the pair (p_{28}, p_{85}).
Skipping pair p_{28} and p_{85} because gcd of their leading monoms is zero.

2155. Creating S-polynomial from the pair (p_{28}, p_{86}).
Skipping pair p_{28} and p_{86} because gcd of their leading monoms is zero.

2156. Creating S-polynomial from the pair (p_{28}, p_{87}).
Skipping pair p_{28} and p_{87} because gcd of their leading monoms is zero.

2157. Creating S-polynomial from the pair (p_{28}, p_{88}).
Skipping pair p_{28} and p_{88} because gcd of their leading monoms is zero.

2158. Creating S-polynomial from the pair (p_{28}, p_{89}).
Skipping pair p_{28} and p_{89} because gcd of their leading monoms is zero.

2159. Creating S-polynomial from the pair (p_{28}, p_{90}).
Skipping pair p_{28} and p_{90} because gcd of their leading monoms is zero.

2160. Creating S-polynomial from the pair (p_{28}, p_{91}).
Skipping pair p_{28} and p_{91} because gcd of their leading monoms is zero.

2161. Creating S-polynomial from the pair (p_{28}, p_{92}).
Skipping pair p_{28} and p_{92} because gcd of their leading monoms is zero.

2162. Creating S-polynomial from the pair (p_{28}, p_{93}).
Skipping pair p_{28} and p_{93} because gcd of their leading monoms is zero.

2163. Creating S-polynomial from the pair (p_{28}, p_{94}).
Skipping pair p_{28} and p_{94} because gcd of their leading monoms is zero.

2164. Creating S-polynomial from the pair (p_{28}, p_{95}).
Skipping pair p_{28} and p_{95} because gcd of their leading monoms is zero.

2165. Creating S-polynomial from the pair (p_{28}, p_{96}).
Skipping pair p_{28} and p_{96} because gcd of their leading monoms is zero.

2166. Creating S-polynomial from the pair (p_{28}, p_{97}).
Skipping pair p_{28} and p_{97} because gcd of their leading monoms is zero.

2167. Creating S-polynomial from the pair (p_{28}, p_{98}).

Forming S-pol of p_{28} and p_{98}: Polynomial too big for output (text size is 2202 characters, number of terms is 27)

Reduced to zero.

2168. Creating S-polynomial from the pair (p_{28}, p_{99}).

Skipping pair p_{28} and p_{99} because gcd of their leading monoms is zero.

2169. Creating S-polynomial from the pair (p_{28}, p_{100}).

Forming S-pol of p_{28} and p_{100}:

$$p_{512} = -524288u_5u_2^{17}u_1^{19}x_{12}x_{10}x_1+$$
$$(-1048576u_5u_2^{16}u_1^{20} - 1048576u_2^{17}u_1^{20})x_{12}x_4x_1+$$
$$(-131072u_5^2u_2^{19}u_1^{17} + 524288u_5^2u_2^{17}u_1^{19})x_{12}x_1+$$
$$524288u_6u_2^{17}u_1^{19}x_{10}^2x_1 + 524288u_2^{17}u_1^{19}x_{10}x_5x_4x_1+$$
$$262144u_5u_2^{18}u_1^{18}x_{10}x_5x_1 + 524288u_6u_2^{18}u_1^{19}x_{10}x_4+$$
$$131072u_6u_5u_2^{19}u_1^{17}x_{10}x_1 + 262144u_5u_2^{17}u_1^{18}x_5x_4x_1^2+$$
$$65536u_5^2u_2^{20}u_1^{16}x_5x_1 + 131072u_6u_5u_2^{18}u_1^{17}x_4x_1^2+$$
$$(-65536u_6u_5u_2^{20}u_1^{16} - 262144u_6u_2^{19}u_1^{18})x_4x_1+$$
$$131072u_6u_5^2u_2^{19}u_1^{17}x_1$$

Reduced to zero.

2170. Creating S-polynomial from the pair (p_{28}, p_{101}).

Forming S-pol of p_{28} and p_{101}:

$$p_{513} = -64u_5u_2^4u_1^6x_{12}x_1 + 32u_2^5u_1^5x_{10}x_5x_1 + 64u_6u_2^4u_1^6x_{10}x_1-$$
$$16u_2^6u_1^4x_5x_4x_1 + 16u_5u_2^5u_1^4x_5x_1^2 - 16u_6u_2^5u_1^4x_4x_1^2-$$
$$16u_6u_2^7u_1^4x_4$$

Reduced to zero.

2171. Creating S-polynomial from the pair (p_{28}, p_{102}).

Forming S-pol of p_{28} and p_{102}:

$$p_{514} = 512u_2^{13}u_1^9x_{10}x_5x_1 + (-2048u_2^{10}u_1^{11} + 1024u_2^{10}u_1^{10})x_5x_4x_1^2+$$
$$(-256u_2^{14}u_1^8 + 1024u_2^{12}u_1^{10})x_5x_4x_1 + 256u_5u_2^{13}u_1^8x_5x_1^2-$$
$$512u_5u_2^{13}u_1^9x_5x_1 + (-256u_6u_2^{13}u_1^8 - 1024u_6u_2^{11}u_1^{10})x_4x_1^2+$$
$$(512u_6u_2^{13}u_1^9 + 1024u_6u_2^{11}u_1^{10})x_4x_1 - 256u_6u_2^{15}u_1^8x_4$$

S-pol added.

2172. Creating S-polynomial from the pair (p_{28}, p_{103}).

Forming S-pol of p_{28} and p_{103}: Polynomial too big for output (text size is 2210 characters, number of terms is 27)

Reduced to zero.

2173. Creating S-polynomial from the pair (p_{28}, p_{104}).

Skipping pair p_{28} and p_{104} because gcd of their leading monoms is zero.

2174. Creating S-polynomial from the pair (p_{28}, p_{105}).

Skipping pair p_{28} and p_{105} because gcd of their leading monoms is zero.

2175. Creating S-polynomial from the pair (p_{28}, p_{106}).

Skipping pair p_{28} and p_{106} because gcd of their leading monoms is zero.

2176. Creating S-polynomial from the pair (p_{29}, p_{32}).

Skipping pair p_{29} and p_{32} because gcd of their leading monoms is zero.

2177. Creating S-polynomial from the pair (p_{29}, p_{33}).

Skipping pair p_{29} and p_{33} because gcd of their leading monoms is zero.

2178. Creating S-polynomial from the pair (p_{29}, p_{34}).

Skipping pair p_{29} and p_{34} because gcd of their leading monoms is zero.

2179. Creating S-polynomial from the pair (p_{29}, p_{35}).

Skipping pair p_{29} and p_{35} because gcd of their leading monoms is zero.

2180. Creating S-polynomial from the pair (p_{29}, p_{36}).

Skipping pair p_{29} and p_{36} because gcd of their leading monoms is zero.

2181. Creating S-polynomial from the pair (p_{29}, p_{37}).

Skipping pair p_{29} and p_{37} because gcd of their leading monoms is zero.

2182. Creating S-polynomial from the pair (p_{29}, p_{38}).

Forming S-pol of p_{29} and p_{38}:

$$p_{515} = 4u_5u_4^6u_1^2x_3^2 - 8u_5u_4^6u_1^3x_3 + 4u_5u_4^8u_1^2$$

Reduced to zero.

2183. Creating S-polynomial from the pair (p_{29}, p_{39}).

Skipping pair p_{29} and p_{39} because gcd of their leading monoms is zero.

2184. Creating S-polynomial from the pair (p_{29}, p_{40}).

Skipping pair p_{29} and p_{40} because gcd of their leading monoms is zero.

2185. Creating S-polynomial from the pair (p_{29}, p_{41}).

Skipping pair p_{29} and p_{41} because gcd of their leading monoms is zero.

2186. Creating S-polynomial from the pair (p_{29}, p_{42}).

Skipping pair p_{29} and p_{42} because gcd of their leading monoms is zero.

2187. Creating S-polynomial from the pair (p_{29}, p_{43}).
Skipping pair p_{29} and p_{43} because gcd of their leading monoms is zero.

2188. Creating S-polynomial from the pair (p_{29}, p_{44}).
Skipping pair p_{29} and p_{44} because gcd of their leading monoms is zero.

2189. Creating S-polynomial from the pair (p_{29}, p_{45}).
Skipping pair p_{29} and p_{45} because gcd of their leading monoms is zero.

2190. Creating S-polynomial from the pair (p_{29}, p_{46}).
Skipping pair p_{29} and p_{46} because gcd of their leading monoms is zero.

2191. Creating S-polynomial from the pair (p_{29}, p_{47}).
Skipping pair p_{29} and p_{47} because gcd of their leading monoms is zero.

2192. Creating S-polynomial from the pair (p_{29}, p_{48}).
Skipping pair p_{29} and p_{48} because gcd of their leading monoms is zero.

2193. Creating S-polynomial from the pair (p_{29}, p_{49}).
Skipping pair p_{29} and p_{49} because gcd of their leading monoms is zero.

2194. Creating S-polynomial from the pair (p_{29}, p_{50}).
Skipping pair p_{29} and p_{50} because gcd of their leading monoms is zero.

2195. Creating S-polynomial from the pair (p_{29}, p_{51}).
Skipping pair p_{29} and p_{51} because gcd of their leading monoms is zero.

2196. Creating S-polynomial from the pair (p_{29}, p_{52}).
Skipping pair p_{29} and p_{52} because gcd of their leading monoms is zero.

2197. Creating S-polynomial from the pair (p_{29}, p_{53}).
Skipping pair p_{29} and p_{53} because gcd of their leading monoms is zero.

2198. Creating S-polynomial from the pair (p_{29}, p_{54}).
Skipping pair p_{29} and p_{54} because gcd of their leading monoms is zero.

2199. Creating S-polynomial from the pair (p_{29}, p_{55}).
Skipping pair p_{29} and p_{55} because gcd of their leading monoms is zero.

2200. Creating S-polynomial from the pair (p_{29}, p_{56}).
Skipping pair p_{29} and p_{56} because gcd of their leading monoms is zero.

2201. Creating S-polynomial from the pair (p_{29}, p_{57}).
Skipping pair p_{29} and p_{57} because gcd of their leading monoms is zero.

2202. Creating S-polynomial from the pair (p_{29}, p_{58}).
Skipping pair p_{29} and p_{58} because gcd of their leading monoms is zero.

2203. Creating S-polynomial from the pair (p_{29}, p_{59}).
Skipping pair p_{29} and p_{59} because gcd of their leading monoms is zero.

2204. Creating S-polynomial from the pair (p_{29}, p_{60}).

Skipping pair p_{29} and p_{60} because gcd of their leading monoms is zero.

2205. Creating S-polynomial from the pair (p_{29}, p_{61}).

Skipping pair p_{29} and p_{61} because gcd of their leading monoms is zero.

2206. Creating S-polynomial from the pair (p_{29}, p_{62}).

Skipping pair p_{29} and p_{62} because gcd of their leading monoms is zero.

2207. Creating S-polynomial from the pair (p_{29}, p_{63}).

Skipping pair p_{29} and p_{63} because gcd of their leading monoms is zero.

2208. Creating S-polynomial from the pair (p_{29}, p_{64}).

Forming S-pol of p_{29} and p_{64}:

$$p_{516} = (-8u_5u_4^{12}u_1^3 + 128u_5u_4^8u_1^7)x_{14}x_3+$$
$$(-16u_5u_4^{12}u_1^4 - 64u_5u_4^{10}u_1^6)x_{14}+$$
$$(-8u_5u_4^{11}u_1^3 - 32u_5u_4^9u_1^5)x_4x_3^2+$$
$$(4u_5u_4^{13}u_1^2 + 16u_5u_4^{11}u_1^4)x_4x_3+$$
$$(-4u_5^2u_4^{12}u_1^2 - 16u_5^2u_4^{10}u_1^4)x_3^2$$

Reduced to zero.

2209. Creating S-polynomial from the pair (p_{29}, p_{65}).

Forming S-pol of p_{29} and p_{65}:

$$p_{517} = -1024u_4^{14}u_1^{10}x_{16}x_4x_3 + (-512u_5u_4^{15}u_1^9 + 8192u_5u_4^{11}u_1^{13})x_{16}x_3+$$
$$(-1024u_5u_4^{15}u_1^{10} - 4096u_5u_4^{13}u_1^{12})x_{16} + 1024u_4^{14}u_1^{10}x_{14}x_5x_3-$$
$$2048u_5u_4^{12}u_1^{11}x_5x_3^2 + 256u_5u_4^{16}u_1^8x_5x_3-$$
$$512u_6u_4^{14}u_1^9x_4x_3^2 + 1024u_6u_4^{14}u_1^{10}x_4x_3+$$
$$(-256u_6u_5u_4^{15}u_1^8 - 1024u_6u_5u_4^{13}u_1^{10})x_3^2$$

Reduced to zero.

2210. Creating S-polynomial from the pair (p_{29}, p_{66}).

Forming S-pol of p_{29} and p_{66}:

$$p_{518} = (4u_5u_4^6u_1^2 - 16u_5u_4^4u_1^4)x_{14}x_3 + 8u_5u_4^6u_1^3x_{14}+$$
$$4u_5u_4^5u_1^2x_4x_3^2 - 2u_5u_4^7u_1x_4x_3 + 2u_5^2u_4^6u_1x_3^2$$

Reduced to zero.

2211. Creating S-polynomial from the pair (p_{29}, p_{67}).

Forming S-pol of p_{29} and p_{67}: Polynomial too big for output (text size is 1017 characters, number of terms is 14)

Reduced to zero.

2212. Creating S-polynomial from the pair (p_{29}, p_{68}).

Forming S-pol of p_{29} and p_{68}:

$$p_{519} = -256u_5u_4^6u_1^8x_{16}x_3 + 128u_5u_4^8u_1^7x_{16} + 64u_6u_4^8u_1^6x_{14}x_3 +$$
$$64u_5u_4^7u_1^6x_5x_3^2 - 32u_6u_4^9u_1^5x_4x_3 + 32u_6u_5u_4^8u_1^5x_3^2$$

Reduced to zero.

2213. Creating S-polynomial from the pair (p_{29}, p_{69}).

Forming S-pol of p_{29} and p_{69}:

$$p_{520} = -1024u_4^{11}u_1^{10}x_{16}x_4x_3 - 128u_5u_4^{14}u_1^7x_{16}x_3 +$$
$$(-256u_5u_4^{14}u_1^8 - 1024u_5u_4^{12}u_1^{10})x_{16} + 1024u_4^{11}u_1^{10}x_{14}x_5x_3 +$$
$$2048u_6u_4^{10}u_1^{11}x_{14}x_3 - 128u_5u_4^{13}u_1^7x_5x_3^2 +$$
$$(64u_5u_4^{15}u_1^6 + 256u_5u_4^{13}u_1^8)x_5x_3 - 512u_6u_4^{11}u_1^9x_4x_3^2 +$$
$$(-64u_6u_5u_4^{14}u_1^6 - 256u_6u_5u_4^{12}u_1^8)x_3^2$$

Reduced to zero.

2214. Creating S-polynomial from the pair (p_{29}, p_{70}).

Skipping pair p_{29} and p_{70} because gcd of their leading monoms is zero.

2215. Creating S-polynomial from the pair (p_{29}, p_{71}).

Forming S-pol of p_{29} and p_{71}:

$$p_{521} = 128u_4^7u_1^7x_{16}x_4x_3 + 64u_5u_4^8u_1^6x_{16}x_3 + 128u_5u_4^8u_1^7x_{16} -$$
$$128u_4^7u_1^7x_{14}x_5x_3 - 256u_6u_4^6u_1^8x_{14}x_3 - 32u_5u_4^9u_1^5x_5x_3 +$$
$$64u_6u_4^7u_1^6x_4x_3^2 + 32u_6u_5u_4^8u_1^5x_3^2$$

Reduced to zero.

2216. Creating S-polynomial from the pair (p_{29}, p_{72}).

Skipping pair p_{29} and p_{72} because gcd of their leading monoms is zero.

2217. Creating S-polynomial from the pair (p_{29}, p_{73}).

Skipping pair p_{29} and p_{73} because gcd of their leading monoms is zero.

2218. Creating S-polynomial from the pair (p_{29}, p_{74}).

Skipping pair p_{29} and p_{74} because gcd of their leading monoms is zero.

2219. Creating S-polynomial from the pair (p_{29}, p_{75}).

Skipping pair p_{29} and p_{75} because gcd of their leading monoms is zero.

2220. Creating S-polynomial from the pair (p_{29}, p_{76}).

Skipping pair p_{29} and p_{76} because gcd of their leading monoms is zero.

2221. Creating S-polynomial from the pair (p_{29}, p_{77}).

Skipping pair p_{29} and p_{77} because gcd of their leading monoms is zero.

2222. Creating S-polynomial from the pair (p_{29}, p_{78}).
Skipping pair p_{29} and p_{78} because gcd of their leading monoms is zero.

2223. Creating S-polynomial from the pair (p_{29}, p_{79}).
Skipping pair p_{29} and p_{79} because gcd of their leading monoms is zero.

2224. Creating S-polynomial from the pair (p_{29}, p_{80}).
Skipping pair p_{29} and p_{80} because gcd of their leading monoms is zero.

2225. Creating S-polynomial from the pair (p_{29}, p_{81}).
Skipping pair p_{29} and p_{81} because gcd of their leading monoms is zero.

2226. Creating S-polynomial from the pair (p_{29}, p_{82}).
Skipping pair p_{29} and p_{82} because gcd of their leading monoms is zero.

2227. Creating S-polynomial from the pair (p_{29}, p_{83}).
Skipping pair p_{29} and p_{83} because gcd of their leading monoms is zero.

2228. Creating S-polynomial from the pair (p_{29}, p_{84}).
Skipping pair p_{29} and p_{84} because gcd of their leading monoms is zero.

2229. Creating S-polynomial from the pair (p_{29}, p_{85}).
Skipping pair p_{29} and p_{85} because gcd of their leading monoms is zero.

2230. Creating S-polynomial from the pair (p_{29}, p_{86}).
Skipping pair p_{29} and p_{86} because gcd of their leading monoms is zero.

2231. Creating S-polynomial from the pair (p_{29}, p_{87}).
Skipping pair p_{29} and p_{87} because gcd of their leading monoms is zero.

2232. Creating S-polynomial from the pair (p_{29}, p_{88}).
Skipping pair p_{29} and p_{88} because gcd of their leading monoms is zero.

2233. Creating S-polynomial from the pair (p_{29}, p_{89}).
Forming S-pol of p_{29} and p_{89}:

$$p_{522} = 8u_5u_4^6u_1^3x_3^2 - 16u_5u_4^6u_1^4x_3 + 8u_5u_4^8u_1^3$$

Reduced to zero.

2234. Creating S-polynomial from the pair (p_{29}, p_{90}).
Forming S-pol of p_{29} and p_{90}:

$$\begin{gathered}p_{523} = 1048576u_5u_4^{19}u_1^{19}x_{16}x_4x_3 + 262144u_5^2u_4^{20}u_1^{18}x_{16}x_3+\\ 524288u_5^2u_4^{20}u_1^{19}x_{16} - 1048576u_6u_4^{18}u_1^{20}x_{14}^2x_3-\\ 524288u_5u_4^{19}u_1^{19}x_{14}x_5x_3 - 262144u_6u_5u_4^{20}u_1^{18}x_{14}x_3-\\ 262144u_5u_4^{20}u_1^{18}x_5x_4x_3 - 131072u_5^2u_4^{21}u_1^{17}x_5x_3+\\ (131072u_6u_5u_4^{21}u_1^{17} + 524288u_6u_4^{20}u_1^{19})x_4x_3-\\ 262144u_6u_5^2u_4^{20}u_1^{18}x_3\end{gathered}$$

Reduced to zero.

2235. Creating S-polynomial from the pair (p_{29}, p_{91}).

Forming S-pol of p_{29} and p_{91}:

$$p_{524} = 256u_4^7u_1^8x_{16}x_4x_3 + 128u_5u_4^8u_1^7x_{16}x_3 + 256u_5u_4^8u_1^8x_{16} -$$
$$256u_4^7u_1^8x_{14}x_5x_3 - 512u_6u_4^6u_1^9x_{14}x_3 - 64u_5u_4^9u_1^6x_5x_3 +$$
$$128u_6u_4^7u_1^7x_4x_3^2 + 64u_6u_5u_4^8u_1^6x_3^2$$

Reduced to zero.

2236. Creating S-polynomial from the pair (p_{29}, p_{92}).

Forming S-pol of p_{29} and p_{92}:

$$p_{525} = -512u_5u_4^6u_1^9x_{16}x_3 + 256u_5u_4^8u_1^8x_{16} + 128u_6u_4^8u_1^7x_{14}x_3 +$$
$$128u_5u_4^7u_1^7x_5x_3^2 - 64u_6u_4^9u_1^6x_4x_3 + 64u_6u_5u_4^8u_1^6x_3^2$$

Reduced to zero.

2237. Creating S-polynomial from the pair (p_{29}, p_{93}).

Skipping pair p_{29} and p_{93} because gcd of their leading monoms is zero.

2238. Creating S-polynomial from the pair (p_{29}, p_{94}).

Skipping pair p_{29} and p_{94} because gcd of their leading monoms is zero.

2239. Creating S-polynomial from the pair (p_{29}, p_{95}).

Skipping pair p_{29} and p_{95} because gcd of their leading monoms is zero.

2240. Creating S-polynomial from the pair (p_{29}, p_{96}).

Skipping pair p_{29} and p_{96} because gcd of their leading monoms is zero.

2241. Creating S-polynomial from the pair (p_{29}, p_{97}).

Skipping pair p_{29} and p_{97} because gcd of their leading monoms is zero.

2242. Creating S-polynomial from the pair (p_{29}, p_{98}).

Skipping pair p_{29} and p_{98} because gcd of their leading monoms is zero.

2243. Creating S-polynomial from the pair (p_{29}, p_{99}).

Skipping pair p_{29} and p_{99} because gcd of their leading monoms is zero.

2244. Creating S-polynomial from the pair (p_{29}, p_{100}).

Skipping pair p_{29} and p_{100} because gcd of their leading monoms is zero.

2245. Creating S-polynomial from the pair (p_{29}, p_{101}).

Skipping pair p_{29} and p_{101} because gcd of their leading monoms is zero.

2246. Creating S-polynomial from the pair (p_{29}, p_{102}).

Skipping pair p_{29} and p_{102} because gcd of their leading monoms is zero.

2247. Creating S-polynomial from the pair (p_{29}, p_{103}).

Skipping pair p_{29} and p_{103} because gcd of their leading monoms is zero.

2248. Creating S-polynomial from the pair (p_{29}, p_{104}).

Forming S-pol of p_{29} and p_{104}:

$$p_{526} = -524288u_5u_4^{17}u_1^{19}x_{16}x_{14}x_3 + 524288u_4^{17}u_1^{19}x_{16}x_4^2x_3+$$
$$(-1048576u_5u_4^{16}u_1^{20} - 1048576u_4^{17}u_1^{20})x_{16}x_4x_3+$$
$$524288u_5u_4^{18}u_1^{19}x_{16}x_4+$$
$$(-131072u_5^2u_4^{19}u_1^{17} + 524288u_5^2u_4^{17}u_1^{19})x_{16}x_3+$$
$$524288u_6u_4^{17}u_1^{19}x_{14}^2x_3 + 262144u_5u_4^{18}u_1^{18}x_{14}x_5x_3+$$
$$131072u_6u_5u_4^{19}u_1^{17}x_{14}x_3 + 262144u_5u_4^{17}u_1^{18}x_5x_4x_3^2+$$
$$65536u_5^2u_4^{20}u_1^{16}x_5x_3 + 131072u_6u_5u_4^{18}u_1^{17}x_4x_3^2+$$
$$(-65536u_6u_5u_4^{20}u_1^{16} - 262144u_6u_4^{19}u_1^{18})x_4x_3+$$
$$131072u_6u_5^2u_4^{19}u_1^{17}x_3$$

Reduced to zero.

2249. Creating S-polynomial from the pair (p_{29}, p_{105}).

Skipping pair p_{29} and p_{105} because gcd of their leading monoms is zero.

2250. Creating S-polynomial from the pair (p_{29}, p_{106}).

Skipping pair p_{29} and p_{106} because gcd of their leading monoms is zero.

2251. Creating S-polynomial from the pair (p_{30}, p_{32}).

Skipping pair p_{30} and p_{32} because gcd of their leading monoms is zero.

2252. Creating S-polynomial from the pair (p_{30}, p_{33}).

Skipping pair p_{30} and p_{33} because gcd of their leading monoms is zero.

2253. Creating S-polynomial from the pair (p_{30}, p_{34}).

Forming S-pol of p_{30} and p_{34}:

$$p_{527} = -128u_4^7u_2^{13}u_1^7x_{16}x_{12}x_4 + 128u_5u_4^6u_2^{13}u_1^7x_{16}x_{12}x_3+$$
$$256u_4^5u_2^{13}u_1^8x_{16}x_{10}x_5x_3 + 128u_5u_4^5u_2^{13}u_1^7x_{16}x_5x_3x_1-$$
$$256u_5u_4^5u_2^{13}u_1^8x_{16}x_5x_3 - 128u_6u_4^5u_2^{13}u_1^7x_{16}x_4x_3x_1+$$
$$256u_6u_4^5u_2^{13}u_1^8x_{16}x_4x_3 - 256u_4^5u_2^{13}u_1^8x_{14}x_{12}x_5x_3+$$
$$128u_4^7u_2^{13}u_1^7x_{14}x_{12}x_5 - 128u_6u_4^6u_2^{13}u_1^7x_{14}x_{12}x_3$$

Reduced to zero.

2254. Creating S-polynomial from the pair (p_{30}, p_{35}).

Skipping pair p_{30} and p_{35} because gcd of their leading monoms is zero.

2255. Creating S-polynomial from the pair (p_{30}, p_{36}).

Skipping pair p_{30} and p_{36} because gcd of their leading monoms is zero.

2256. Creating S-polynomial from the pair (p_{30}, p_{37}).

Forming S-pol of p_{30} and p_{37}:

$$p_{528} = -128u_4^7u_3^{13}u_1^7x_{16}x_8x_4 + 128u_5u_4^6u_3^{13}u_1^7x_{16}x_8x_3+$$
$$256u_4^5u_3^{13}u_1^8x_{16}x_6x_5x_3 + 128u_5u_4^5u_3^{13}u_1^7x_{16}x_5x_3x_2-$$
$$256u_5u_4^5u_3^{13}u_1^8x_{16}x_5x_3 - 128u_6u_4^5u_3^{13}u_1^7x_{16}x_4x_3x_2+$$
$$256u_6u_4^5u_3^{13}u_1^8x_{16}x_4x_3 - 256u_4^5u_3^{13}u_1^8x_{14}x_8x_5x_3+$$
$$128u_4^7u_3^{13}u_1^7x_{14}x_8x_5 - 128u_6u_4^6u_3^{13}u_1^7x_{14}x_8x_3$$

Reduced to zero.

2257. Creating S-polynomial from the pair (p_{30}, p_{38}).

Skipping pair p_{30} and p_{38} because gcd of their leading monoms is zero.

2258. Creating S-polynomial from the pair (p_{30}, p_{39}).

Forming S-pol of p_{30} and p_{39}:

$$p_{529} = 4u_4^{13}u_1^2x_{16}x_4 - 4u_5u_4^{12}u_1^2x_{16}x_3 + 8u_4^{11}u_1^3x_{14}x_5x_3-$$
$$4u_4^{13}u_1^2x_{14}x_5 + 4u_6u_4^{12}u_1^2x_{14}x_3 - 4u_4^{12}u_1^2x_5x_4x_3+$$
$$4u_6u_4^{11}u_1^2x_4x_3^2 - 8u_6u_4^{11}u_1^3x_4x_3$$

Reduced to zero.

2259. Creating S-polynomial from the pair (p_{30}, p_{40}).

Forming S-pol of p_{30} and p_{40}:

$$p_{530} = -128u_4^{20}u_1^7x_{16}x_4^2 + 128u_5u_4^{19}u_1^7x_{16}x_4x_3+$$
$$128u_4^{20}u_1^7x_{14}x_5x_4 - 128u_6u_4^{19}u_1^7x_{14}x_4x_3+$$
$$128u_5u_4^{18}u_1^7x_5x_4x_3^2 - 256u_5u_4^{18}u_1^8x_5x_4x_3-$$
$$128u_6u_4^{18}u_1^7x_4^2x_3^2 + 256u_6u_4^{18}u_1^8x_4^2x_3$$

Reduced to zero.

2260. Creating S-polynomial from the pair (p_{30}, p_{41}).

Forming S-pol of p_{30} and p_{41}:

$$p_{531} = 128u_5u_4^7u_3^{12}u_1^7x_{16}x_8x_4 - 128u_5^2u_4^6u_3^{12}u_1^7x_{16}x_8x_3-$$
$$256u_6u_4^5u_3^{12}u_1^8x_{16}x_6x_4x_3 - 128u_5u_4^5u_3^{13}u_1^7x_{16}x_5x_4x_3+$$
$$256u_6u_4^5u_3^{13}u_1^8x_{16}x_4x_3 - 128u_6u_5^2u_4^5u_3^{13}u_1^7x_{16}x_3+$$
$$256u_5u_4^5u_3^{12}u_1^8x_{14}x_8x_5x_3 - 128u_5u_4^7u_3^{12}u_1^7x_{14}x_8x_5+$$
$$128u_6u_5u_4^6u_3^{12}u_1^7x_{14}x_8x_3$$

Reduced to zero.

2261. Creating S-polynomial from the pair (p_{30}, p_{42}).

Forming S-pol of p_{30} and p_{42}:

$$p_{532} = 128u_5u_4^7u_2^{12}u_1^7x_{16}x_{12}x_4 - 128u_5^2u_4^6u_2^{12}u_1^7x_{16}x_{12}x_3 -$$
$$256u_6u_4^5u_2^{12}u_1^8x_{16}x_{10}x_4x_3 - 128u_5u_4^5u_2^{13}u_1^7x_{16}x_5x_4x_3 +$$
$$256u_6u_4^5u_2^{13}u_1^8x_{16}x_4x_3 - 128u_6u_5^2u_4^5u_2^{13}u_1^7x_{16}x_3 +$$
$$256u_5u_4^5u_2^{12}u_1^8x_{14}x_{12}x_5x_3 - 128u_5u_4^7u_2^{12}u_1^7x_{14}x_{12}x_5 +$$
$$128u_6u_5u_4^6u_2^{12}u_1^7x_{14}x_{12}x_3$$

Reduced to zero.

2262. Creating S-polynomial from the pair (p_{30}, p_{43}).

Forming S-pol of p_{30} and p_{43}:

$$p_{533} = 128u_5u_4^{19}u_1^7x_{16}x_4^2 - 128u_5^2u_4^{18}u_1^7x_{16}x_4x_3 +$$
$$256u_5u_4^{17}u_1^8x_{14}x_5x_4x_3 - 128u_5u_4^{19}u_1^7x_{14}x_5x_4 -$$
$$256u_6u_4^{17}u_1^8x_{14}x_4^2x_3 + 128u_6u_5u_4^{18}u_1^7x_{14}x_4x_3 -$$
$$128u_5u_4^{18}u_1^7x_5x_4^2x_3 + 256u_6u_4^{18}u_1^8x_4^2x_3 -$$
$$128u_6u_5^2u_4^{18}u_1^7x_4x_3$$

Reduced to zero.

2263. Creating S-polynomial from the pair (p_{30}, p_{44}).

Skipping pair p_{30} and p_{44} because gcd of their leading monoms is zero.

2264. Creating S-polynomial from the pair (p_{30}, p_{45}).

Skipping pair p_{30} and p_{45} because gcd of their leading monoms is zero.

2265. Creating S-polynomial from the pair (p_{30}, p_{46}).

Skipping pair p_{30} and p_{46} because gcd of their leading monoms is zero.

2266. Creating S-polynomial from the pair (p_{30}, p_{47}).

Forming S-pol of p_{30} and p_{47}: Polynomial too big for output (text size is 1620 characters, number of terms is 17)

Reduced to zero.

2267. Creating S-polynomial from the pair (p_{30}, p_{48}).

Skipping pair p_{30} and p_{48} because gcd of their leading monoms is zero.

2268. Creating S-polynomial from the pair (p_{30}, p_{49}).

Skipping pair p_{30} and p_{49} because gcd of their leading monoms is zero.

2269. Creating S-polynomial from the pair (p_{30}, p_{50}).

Skipping pair p_{30} and p_{50} because gcd of their leading monoms is zero.

2270. Creating S-polynomial from the pair (p_{30}, p_{51}).

Skipping pair p_{30} and p_{51} because gcd of their leading monoms is zero.

2271. Creating S-polynomial from the pair (p_{30}, p_{52}).

Forming S-pol of p_{30} and p_{52}: Polynomial too big for output (text size is 1397 characters, number of terms is 16)

Reduced to zero.

2272. Creating S-polynomial from the pair (p_{30}, p_{53}).

Skipping pair p_{30} and p_{53} because gcd of their leading monoms is zero.

2273. Creating S-polynomial from the pair (p_{30}, p_{54}).

Skipping pair p_{30} and p_{54} because gcd of their leading monoms is zero.

2274. Creating S-polynomial from the pair (p_{30}, p_{55}).

Skipping pair p_{30} and p_{55} because gcd of their leading monoms is zero.

2275. Creating S-polynomial from the pair (p_{30}, p_{56}).

Skipping pair p_{30} and p_{56} because gcd of their leading monoms is zero.

2276. Creating S-polynomial from the pair (p_{30}, p_{57}).

Forming S-pol of p_{30} and p_{57}: Polynomial too big for output (text size is 1635 characters, number of terms is 17)

Reduced to zero.

2277. Creating S-polynomial from the pair (p_{30}, p_{58}).

Skipping pair p_{30} and p_{58} because gcd of their leading monoms is zero.

2278. Creating S-polynomial from the pair (p_{30}, p_{59}).

Skipping pair p_{30} and p_{59} because gcd of their leading monoms is zero.

2279. Creating S-polynomial from the pair (p_{30}, p_{60}).

Skipping pair p_{30} and p_{60} because gcd of their leading monoms is zero.

2280. Creating S-polynomial from the pair (p_{30}, p_{61}).

Skipping pair p_{30} and p_{61} because gcd of their leading monoms is zero.

2281. Creating S-polynomial from the pair (p_{30}, p_{62}).

Forming S-pol of p_{30} and p_{62}: Polynomial too big for output (text size is 1407 characters, number of terms is 16)

Reduced to zero.

2282. Creating S-polynomial from the pair (p_{30}, p_{63}).

Skipping pair p_{30} and p_{63} because gcd of their leading monoms is zero.

2283. Creating S-polynomial from the pair (p_{30}, p_{64}).

Skipping pair p_{30} and p_{64} because gcd of their leading monoms is zero.

2284. Creating S-polynomial from the pair (p_{30}, p_{65}).

Forming S-pol of p_{30} and p_{65}:

$$p_{534} = (-1024u_4^{20}u_1^{10} - 4096u_4^{18}u_1^{12})x_{16}x_{14}x_4+$$
$$(1024u_5u_4^{19}u_1^{10} + 4096u_5u_4^{17}u_1^{12})x_{16}x_{14}x_3+$$
$$4096u_4^{17}u_1^{12}x_{16}x_4^2x_3+$$
$$(-512u_5u_4^{20}u_1^9 + 8192u_5u_4^{16}u_1^{13})x_{16}x_4x_3+$$
$$(-2048u_4^{18}u_1^{11} - 8192u_4^{16}u_1^{13})x_{14}^2x_5x_3+$$
$$(1024u_4^{20}u_1^{10} + 4096u_4^{18}u_1^{12})x_{14}^2x_5+$$
$$(-1024u_6u_4^{19}u_1^{10} - 4096u_6u_4^{17}u_1^{12})x_{14}^2x_3+$$
$$1024u_4^{19}u_1^{10}x_{14}x_5x_4x_3 - 2048u_5u_4^{17}u_1^{11}x_5x_4x_3^2+$$
$$256u_5u_4^{21}u_1^8x_5x_4x_3 - 512u_6u_4^{19}u_1^9x_4^2x_3^2+$$
$$1024u_6u_4^{19}u_1^{10}x_4^2x_3+$$
$$(-256u_6u_5u_4^{20}u_1^8 - 1024u_6u_5u_4^{18}u_1^{10})x_4x_3^2$$

Reduced to zero.

2285. Creating S-polynomial from the pair (p_{30}, p_{66}).

Skipping pair p_{30} and p_{66} because gcd of their leading monoms is zero.

2286. Creating S-polynomial from the pair (p_{30}, p_{67}).

Forming S-pol of p_{30} and p_{67}: Polynomial too big for output (text size is 1309 characters, number of terms is 17)

S-pol added.

2287. Creating S-polynomial from the pair (p_{30}, p_{68}).

Forming S-pol of p_{30} and p_{68}:

$$p_{535} = 128u_4^{13}u_1^7x_{16}x_{14}x_4 - 128u_5u_4^{12}u_1^7x_{16}x_{14}x_3-$$
$$128u_4^{12}u_1^7x_{16}x_4^2x_3 - 256u_5u_4^{11}u_1^8x_{16}x_4x_3+$$
$$256u_4^{11}u_1^8x_{14}^2x_5x_3 - 128u_4^{13}u_1^7x_{14}^2x_5+$$
$$128u_6u_4^{12}u_1^7x_{14}^2x_3 + 64u_6u_4^{13}u_1^6x_{14}x_4x_3+$$
$$64u_5u_4^{12}u_1^6x_5x_4x_3^2 - 32u_6u_4^{14}u_1^5x_4^2x_3+$$
$$32u_6u_5u_4^{13}u_1^5x_4x_3^2$$

Reduced to zero.

2288. Creating S-polynomial from the pair (p_{30}, p_{69}).

Forming S-pol of p_{30} and p_{69}:

$$p_{536} = (-256u_4^{19}u_1^8 - 1024u_4^{17}u_1^{10})x_{16}x_{14}x_4+$$
$$(256u_5u_4^{18}u_1^8 + 1024u_5u_4^{16}u_1^{10})x_{16}x_{14}x_3 + 256u_4^{18}u_1^8x_{16}x_4^2x_3-$$
$$128u_5u_4^{19}u_1^7x_{16}x_4x_3 + (-512u_4^{17}u_1^9 - 2048u_4^{15}u_1^{11})x_{14}^2x_5x_3+$$
$$(256u_4^{19}u_1^8 + 1024u_4^{17}u_1^{10})x_{14}^2x_5+$$
$$(-256u_6u_4^{18}u_1^8 - 1024u_6u_4^{16}u_1^{10})x_{14}^2x_3 + 1024u_4^{16}u_1^{10}x_{14}x_5x_4x_3+$$
$$2048u_6u_4^{15}u_1^{11}x_{14}x_4x_3 - 128u_5u_4^{18}u_1^7x_5x_4x_3^2+$$
$$(64u_5u_4^{20}u_1^6 + 256u_5u_4^{18}u_1^8)x_5x_4x_3 - 512u_6u_4^{16}u_1^9x_4^2x_3^2+$$
$$(-64u_6u_5u_4^{19}u_1^6 - 256u_6u_5u_4^{17}u_1^8)x_4x_3^2$$

Reduced to zero.

2289. Creating S-polynomial from the pair (p_{30}, p_{70}).

Forming S-pol of p_{30} and p_{70}:

$$p_{537} = (-16u_4^{17}u_1^4 - 64u_4^{15}u_1^6)x_{16}^2x_4+$$
$$(16u_5u_4^{16}u_1^4 + 64u_5u_4^{14}u_1^6)x_{16}^2x_3+$$
$$(-32u_4^{15}u_1^5 - 128u_4^{13}u_1^7)x_{16}x_{14}x_5x_3+$$
$$(16u_4^{17}u_1^4 + 64u_4^{15}u_1^6)x_{16}x_{14}x_5+$$
$$(-16u_6u_4^{16}u_1^4 - 64u_6u_4^{14}u_1^6)x_{16}x_{14}x_3+$$
$$(16u_4^{16}u_1^4 + 64u_4^{14}u_1^6)x_{16}x_5x_4x_3+$$
$$(-8u_6u_4^{17}u_1^3 + 128u_6u_4^{13}u_1^7)x_{16}x_4x_3+$$
$$(-8u_6u_4^{16}u_1^3 - 32u_6u_4^{14}u_1^5)x_5x_4x_3^2+$$
$$(4u_6u_4^{18}u_1^2 + 16u_6u_4^{16}u_1^4)x_5x_4x_3+$$
$$(-4u_6^2u_4^{17}u_1^2 - 16u_6^2u_4^{15}u_1^4)x_4x_3^2$$

Reduced to zero.

2290. Creating S-polynomial from the pair (p_{30}, p_{71}).

Forming S-pol of p_{30} and p_{71}:

$$p_{538} = 128u_4^{13}u_1^7x_{16}x_{14}x_4 - 128u_5u_4^{12}u_1^7x_{16}x_{14}x_3+$$
$$64u_5u_4^{13}u_1^6x_{16}x_4x_3 + 256u_4^{11}u_1^8x_{14}^2x_5x_3-$$
$$128u_4^{13}u_1^7x_{14}^2x_5 + 128u_6u_4^{12}u_1^7x_{14}^2x_3-$$
$$128u_4^{12}u_1^7x_{14}x_5x_4x_3 - 256u_6u_4^{11}u_1^8x_{14}x_4x_3-$$
$$32u_5u_4^{14}u_1^5x_5x_4x_3 + 64u_6u_4^{12}u_1^6x_4^2x_3^2+$$
$$32u_6u_5u_4^{13}u_1^5x_4x_3^2$$

Reduced to zero.

2291. Creating S-polynomial from the pair (p_{30}, p_{72}).

Forming S-pol of p_{30} and p_{72}: Polynomial too big for output (text size is 1120 characters, number of terms is 16)

S-pol added.

2292. Creating S-polynomial from the pair (p_{30}, p_{73}).

Forming S-pol of p_{30} and p_{73}:

$$p_{539} = 8u_4^{11}u_1^3x_{16}^2x_4 - 8u_5u_4^{10}u_1^3x_{16}^2x_3 + 16u_4^9u_1^4x_{16}x_{14}x_5x_3 -$$
$$8u_4^{11}u_1^3x_{16}x_{14}x_5 + 8u_6u_4^{10}u_1^3x_{16}x_{14}x_3 -$$
$$8u_4^{10}u_1^3x_{16}x_5x_4x_3 +$$
$$(4u_6u_4^{11}u_1^2 - 16u_6u_4^9u_1^4)x_{16}x_4x_3 + 4u_6u_4^{10}u_1^2x_5x_4x_3^2 -$$
$$2u_6u_4^{12}u_1x_5x_4x_3 + 2u_6^2u_4^{11}u_1x_4x_3^2$$

Reduced to zero.

2293. Creating S-polynomial from the pair (p_{30}, p_{74}).

Skipping pair p_{30} and p_{74} because gcd of their leading monoms is zero.

2294. Creating S-polynomial from the pair (p_{30}, p_{75}).

Skipping pair p_{30} and p_{75} because gcd of their leading monoms is zero.

2295. Creating S-polynomial from the pair (p_{30}, p_{76}).

Skipping pair p_{30} and p_{76} because gcd of their leading monoms is zero.

2296. Creating S-polynomial from the pair (p_{30}, p_{77}).

Skipping pair p_{30} and p_{77} because gcd of their leading monoms is zero.

2297. Creating S-polynomial from the pair (p_{30}, p_{78}).

Skipping pair p_{30} and p_{78} because gcd of their leading monoms is zero.

2298. Creating S-polynomial from the pair (p_{30}, p_{79}).

Forming S-pol of p_{30} and p_{79}: Polynomial too big for output (text size is 1006 characters, number of terms is 12)

S-pol added.

2299. Creating S-polynomial from the pair (p_{30}, p_{80}).

Skipping pair p_{30} and p_{80} because gcd of their leading monoms is zero.

2300. Creating S-polynomial from the pair (p_{30}, p_{81}).

Skipping pair p_{30} and p_{81} because gcd of their leading monoms is zero.

2301. Creating S-polynomial from the pair (p_{30}, p_{82}).

Skipping pair p_{30} and p_{82} because gcd of their leading monoms is zero.

2302. Creating S-polynomial from the pair (p_{30}, p_{83}).

Skipping pair p_{30} and p_{83} because gcd of their leading monoms is zero.

2303. Creating S-polynomial from the pair (p_{30}, p_{84}).
Skipping pair p_{30} and p_{84} because gcd of their leading monoms is zero.

2304. Creating S-polynomial from the pair (p_{30}, p_{85}).
Skipping pair p_{30} and p_{85} because gcd of their leading monoms is zero.

2305. Creating S-polynomial from the pair (p_{30}, p_{86}).
Forming S-pol of p_{30} and p_{86}:

$$p_{540} = (-512u_4^7u_3^{14}u_1^9 + 1024u_4^7u_3^{12}u_1^{10})x_{16}x_8x_4+$$
$$(512u_5u_4^6u_3^{14}u_1^9 - 1024u_5u_4^6u_3^{12}u_1^{10})x_{16}x_8x_3+$$
$$1024u_4^5u_3^{14}u_1^{10}x_{16}x_6x_5x_3+$$
$$(-4096u_4^5u_3^{11}u_1^{12} + 2048u_4^5u_3^{11}u_1^{11})x_{16}x_5x_4x_3x_2+$$
$$(2048u_4^5u_3^{13}u_1^{11} - 1024u_4^5u_3^{13}u_1^{10})x_{16}x_5x_4x_3+$$
$$512u_5u_4^5u_3^{14}u_1^9x_{16}x_5x_3x_2 - 1024u_5u_4^5u_3^{14}u_1^{10}x_{16}x_5x_3+$$
$$(-512u_6u_4^5u_3^{14}u_1^9 - 2048u_6u_4^5u_3^{12}u_1^{11}+$$
$$1024u_6u_4^5u_3^{12}u_1^{10})x_{16}x_4x_3x_2 + 1024u_6u_4^5u_3^{14}u_1^{10}x_{16}x_4x_3+$$
$$(-1024u_4^5u_3^{14}u_1^{10} + 2048u_4^5u_3^{12}u_1^{11})x_{14}x_8x_5x_3+$$
$$(512u_4^7u_3^{14}u_1^9 - 1024u_4^7u_3^{12}u_1^{10})x_{14}x_8x_5+$$
$$(-512u_6u_4^6u_3^{14}u_1^9 + 1024u_6u_4^6u_3^{12}u_1^{10})x_{14}x_8x_3$$

S-pol added.

2306. Creating S-polynomial from the pair (p_{30}, p_{87}).
Skipping pair p_{30} and p_{87} because gcd of their leading monoms is zero.

2307. Creating S-polynomial from the pair (p_{30}, p_{88}).
Forming S-pol of p_{30} and p_{88}:

$$p_{541} = -512u_5u_4^{17}u_1^9x_{16}x_4 + 512u_5^2u_4^{16}u_1^9x_{16}x_3-$$
$$1024u_5u_4^{15}u_1^{10}x_{14}x_5x_3 + 512u_5u_4^{17}u_1^9x_{14}x_5+$$
$$1024u_6u_4^{15}u_1^{10}x_{14}x_4x_3 - 512u_6u_5u_4^{16}u_1^9x_{14}x_3+$$
$$512u_5u_4^{16}u_1^9x_5x_4x_3 - 512u_6u_4^{16}u_1^9x_4^2x_3$$

Reduced to zero.

2308. Creating S-polynomial from the pair (p_{30}, p_{89}).
Skipping pair p_{30} and p_{89} because gcd of their leading monoms is zero.

2309. Creating S-polynomial from the pair (p_{30}, p_{90}).

Forming S-pol of p_{30} and p_{90}:

$$p_{542} = 524288u_5u_4^{25}u_1^{19}x_{16}x_{14}x_4 - 524288u_5^2u_4^{24}u_1^{19}x_{16}x_{14}x_3+$$
$$524288u_5u_4^{24}u_1^{19}x_{16}x_4^2x_3 + 262144u_5^2u_4^{25}u_1^{18}x_{16}x_4x_3+$$
$$1048576u_5u_4^{23}u_1^{20}x_{14}^2x_5x_3 - 524288u_5u_4^{25}u_1^{19}x_{14}^2x_5-$$
$$1048576u_6u_4^{23}u_1^{20}x_{14}^2x_4x_3 + 524288u_6u_5u_4^{24}u_1^{19}x_{14}^2x_3-$$
$$524288u_5u_4^{24}u_1^{19}x_{14}x_5x_4x_3 - 262144u_6u_5u_4^{25}u_1^{18}x_{14}x_4x_3-$$
$$262144u_5u_4^{25}u_1^{18}x_5x_4^2x_3 - 131072u_5^2u_4^{26}u_1^{17}x_5x_4x_3+$$
$$(131072u_6u_5u_4^{26}u_1^{17} + 524288u_6u_4^{25}u_1^{19})x_4^2x_3-$$
$$262144u_6u_5^2u_4^{25}u_1^{18}x_4x_3$$

Reduced to zero.

2310. Creating S-polynomial from the pair (p_{30}, p_{91}).

Forming S-pol of p_{30} and p_{91}:

$$p_{543} = 256u_4^{13}u_1^8x_{16}x_{14}x_4 - 256u_5u_4^{12}u_1^8x_{16}x_{14}x_3+$$
$$128u_5u_4^{13}u_1^7x_{16}x_4x_3 + 512u_4^{11}u_1^9x_{14}^2x_5x_3-$$
$$256u_4^{13}u_1^8x_{14}^2x_5 + 256u_6u_4^{12}u_1^8x_{14}^2x_3-$$
$$256u_4^{12}u_1^8x_{14}x_5x_4x_3 - 512u_6u_4^{11}u_1^9x_{14}x_4x_3-$$
$$64u_5u_4^{14}u_1^6x_5x_4x_3 + 128u_6u_4^{12}u_1^7x_4^2x_3^2+$$
$$64u_6u_5u_4^{13}u_1^6x_4x_3^2$$

Reduced to zero.

2311. Creating S-polynomial from the pair (p_{30}, p_{92}).

Forming S-pol of p_{30} and p_{92}:

$$p_{544} = 256u_4^{13}u_1^8x_{16}x_{14}x_4 - 256u_5u_4^{12}u_1^8x_{16}x_{14}x_3-$$
$$256u_4^{12}u_1^8x_{16}x_4^2x_3 - 512u_5u_4^{11}u_1^9x_{16}x_4x_3+$$
$$512u_4^{11}u_1^9x_{14}^2x_5x_3 - 256u_4^{13}u_1^8x_{14}^2x_5+$$
$$256u_6u_4^{12}u_1^8x_{14}^2x_3 + 128u_6u_4^{13}u_1^7x_{14}x_4x_3+$$
$$128u_5u_4^{12}u_1^7x_5x_4x_3^2 - 64u_6u_4^{14}u_1^6x_4^2x_3+$$
$$64u_6u_5u_4^{13}u_1^6x_4x_3^2$$

Reduced to zero.

2312. Creating S-polynomial from the pair (p_{30}, p_{93}).

Forming S-pol of p_{30} and p_{93}:

$$p_{545} = (-512u_4^{21}u_1^9 + 1024u_4^{19}u_1^{10})x_{16}x_4^2+$$
$$(512u_5u_4^{20}u_1^9 - 1024u_5u_4^{18}u_1^{10})x_{16}x_4x_3 + 2048u_4^{17}u_1^{11}x_{14}x_5x_4x_3+$$
$$(512u_4^{21}u_1^9 - 1024u_4^{19}u_1^{10})x_{14}x_5x_4+$$
$$(-512u_6u_4^{20}u_1^9 + 1024u_6u_4^{18}u_1^{10})x_{14}x_4x_3+$$
$$(-4096u_4^{16}u_1^{12} + 2048u_4^{16}u_1^{11})x_5x_4^2x_3^2+$$
$$(2048u_4^{18}u_1^{11} - 1024u_4^{18}u_1^{10})x_5x_4^2x_3 + 512u_5u_4^{19}u_1^9x_5x_4x_3^2-$$
$$1024u_5u_4^{19}u_1^{10}x_5x_4x_3+$$
$$(-512u_6u_4^{19}u_1^9 - 2048u_6u_4^{17}u_1^{11} + 1024u_6u_4^{17}u_1^{10})x_4^2x_3^2+$$
$$1024u_6u_4^{19}u_1^{10}x_4^2x_3$$

S-pol added.

2313. Creating S-polynomial from the pair (p_{30}, p_{94}).

Forming S-pol of p_{30} and p_{94}:

$$p_{546} = 8u_4^{13}u_1^3x_{16}x_4 - 8u_5u_4^{12}u_1^3x_{16}x_3 + 16u_4^{11}u_1^4x_{14}x_5x_3-$$
$$8u_4^{13}u_1^3x_{14}x_5 + 8u_6u_4^{12}u_1^3x_{14}x_3 - 8u_4^{12}u_1^3x_5x_4x_3+$$
$$8u_6u_4^{11}u_1^3x_4x_3^2 - 16u_6u_4^{11}u_1^4x_4x_3$$

Reduced to zero.

2314. Creating S-polynomial from the pair (p_{30}, p_{95}).

Forming S-pol of p_{30} and p_{95}: Polynomial too big for output (text size is 1102 characters, number of terms is 15)

Reduced to zero.

2315. Creating S-polynomial from the pair (p_{30}, p_{96}).

Forming S-pol of p_{30} and p_{96}:

$$p_{547} = -16u_4^7u_3^5u_1^4x_{16}x_8x_4+$$
$$(16u_5u_4^6u_3^5u_1^4 - 64u_5u_4^5u_3^4u_1^6)x_{16}x_8x_3+$$
$$32u_4^5u_3^5u_1^5x_{16}x_6x_5x_3 + 64u_6u_4^5u_3^4u_1^6x_{16}x_6x_3+$$
$$16u_5u_4^5u_3^5u_1^4x_{16}x_5x_3x_2 - 16u_6u_4^5u_3^5u_1^4x_{16}x_4x_3x_2-$$
$$32u_4^5u_3^5u_1^5x_{14}x_8x_5x_3 + 16u_4^7u_3^5u_1^4x_{14}x_8x_5-$$
$$16u_6u_4^6u_3^5u_1^4x_{14}x_8x_3$$

Reduced to zero.

2316. Creating S-polynomial from the pair (p_{30}, p_{97}).

Forming S-pol of p_{30} and p_{97}:

$$p_{548} = -256u_4^7u_3^{13}u_1^8x_{16}x_8x_4 + 256u_5u_4^6u_3^{13}u_1^8x_{16}x_8x_3+$$
$$512u_4^5u_3^{13}u_1^9x_{16}x_6x_5x_3+$$
$$(-2048u_4^5u_3^{10}u_1^{11} + 1024u_4^5u_3^{10}u_1^{10})x_{16}x_5x_4x_3x_2+$$
$$1024u_4^5u_3^{12}u_1^{10}x_{16}x_5x_4x_3 + 256u_5u_4^5u_3^{13}u_1^8x_{16}x_5x_3x_2-$$
$$512u_5u_4^5u_3^{13}u_1^9x_{16}x_5x_3+$$
$$(-256u_6u_4^5u_3^{13}u_1^8 - 1024u_6u_4^5u_3^{11}u_1^{10})x_{16}x_4x_3x_2+$$
$$(512u_6u_4^5u_3^{13}u_1^9 + 1024u_6u_4^5u_3^{11}u_1^{10})x_{16}x_4x_3-$$
$$512u_4^5u_3^{13}u_1^9x_{14}x_8x_5x_3 + 256u_4^7u_3^{13}u_1^8x_{14}x_8x_5-$$
$$256u_6u_4^6u_3^{13}u_1^8x_{14}x_8x_3$$

S-pol added.

2317. Creating S-polynomial from the pair (p_{30}, p_{98}).

Skipping pair p_{30} and p_{98} because gcd of their leading monoms is zero.

2318. Creating S-polynomial from the pair (p_{30}, p_{99}).

Forming S-pol of p_{30} and p_{99}: Polynomial too big for output (text size is 2943 characters, number of terms is 32)

Reduced to zero.

2319. Creating S-polynomial from the pair (p_{30}, p_{100}).

Forming S-pol of p_{30} and p_{100}: Polynomial too big for output (text size is 1117 characters, number of terms is 15)

Reduced to zero.

2320. Creating S-polynomial from the pair (p_{30}, p_{101}).

Forming S-pol of p_{30} and p_{101}:

$$p_{549} = -16u_4^7u_2^5u_1^4x_{16}x_{12}x_4+$$
$$(16u_5u_4^6u_2^5u_1^4 - 64u_5u_4^5u_2^4u_1^6)x_{16}x_{12}x_3+$$
$$32u_4^5u_2^5u_1^5x_{16}x_{10}x_5x_3 + 64u_6u_4^5u_2^4u_1^6x_{16}x_{10}x_3+$$
$$16u_5u_4^5u_2^5u_1^4x_{16}x_5x_3x_1 - 16u_6u_4^5u_2^5u_1^4x_{16}x_4x_3x_1-$$
$$32u_4^5u_2^5u_1^5x_{14}x_{12}x_5x_3 + 16u_4^7u_2^5u_1^4x_{14}x_{12}x_5-$$
$$16u_6u_4^6u_2^5u_1^4x_{14}x_{12}x_3$$

Reduced to zero.

2321. Creating S-polynomial from the pair (p_{30}, p_{102}).

Forming S-pol of p_{30} and p_{102}:

$$p_{550} = -256u_4^7u_2^{13}u_1^8x_{16}x_{12}x_4 + 256u_5u_4^6u_2^{13}u_1^8x_{16}x_{12}x_3+$$
$$512u_4^5u_2^{13}u_1^9x_{16}x_{10}x_5x_3+$$
$$(-2048u_4^5u_2^{10}u_1^{11} + 1024u_4^5u_2^{10}u_1^{10})x_{16}x_5x_4x_3x_1+$$
$$1024u_4^5u_2^{12}u_1^{10}x_{16}x_5x_4x_3 + 256u_5u_4^5u_2^{13}u_1^8x_{16}x_5x_3x_1-$$
$$512u_5u_4^5u_2^{13}u_1^9x_{16}x_5x_3+$$
$$(-256u_6u_4^5u_2^{13}u_1^8 - 1024u_6u_4^5u_2^{11}u_1^{10})x_{16}x_4x_3x_1+$$
$$(512u_6u_4^5u_2^{13}u_1^9 + 1024u_6u_4^5u_2^{11}u_1^{10})x_{16}x_4x_3-$$
$$512u_4^5u_2^{13}u_1^9x_{14}x_{12}x_5x_3 + 256u_4^7u_2^{13}u_1^8x_{14}x_{12}x_5-$$
$$256u_6u_4^6u_2^{13}u_1^8x_{14}x_{12}x_3$$

S-pol added.

2322. Creating S-polynomial from the pair (p_{30}, p_{103}).

Forming S-pol of p_{30} and p_{103}: Polynomial too big for output (text size is 2957 characters, number of terms is 32)

Reduced to zero.

2323. Creating S-polynomial from the pair (p_{30}, p_{104}).

Forming S-pol of p_{30} and p_{104}:

$$p_{551} = -524288u_5u_4^{22}u_1^{19}x_{16}x_{14}x_4x_3 + 524288u_4^{23}u_1^{19}x_{16}x_{14}x_4-$$
$$524288u_5u_4^{22}u_1^{19}x_{16}x_{14}x_3+$$
$$(-1048576u_5u_4^{21}u_1^{20} - 1048576u_4^{22}u_1^{20})x_{16}x_4^2x_3+$$
$$(-131072u_5^2u_4^{24}u_1^{17} + 524288u_5^2u_4^{22}u_1^{19})x_{16}x_4x_3+$$
$$1048576u_4^{21}u_1^{20}x_{14}^2x_5x_3 - 524288u_4^{23}u_1^{19}x_{14}^2x_5+$$
$$524288u_6u_4^{22}u_1^{19}x_{14}^2x_4x_3 + 524288u_6u_4^{22}u_1^{19}x_{14}^2x_3+$$
$$262144u_5u_4^{23}u_1^{18}x_{14}x_5x_4x_3 + 131072u_6u_5u_4^{24}u_1^{17}x_{14}x_4x_3+$$
$$262144u_5u_4^{22}u_1^{18}x_5x_4^2x_3^2 + 65536u_5^2u_4^{25}u_1^{16}x_5x_4x_3+$$
$$131072u_6u_5u_4^{23}u_1^{17}x_4^2x_3^2+$$
$$(-65536u_6u_5u_4^{25}u_1^{16} - 262144u_6u_4^{24}u_1^{18})x_4^2x_3+$$
$$131072u_6u_5^2u_4^{24}u_1^{17}x_4x_3$$

S-pol added.

2324. Creating S-polynomial from the pair (p_{30}, p_{105}).
Forming S-pol of p_{30} and p_{105}:

$$p_{552} = -16u_4^{12}u_1^4x_{16}x_4^2+$$
$$(16u_5u_4^{11}u_1^4 - 64u_5u_4^9u_1^6)x_{16}x_4x_3 + 16u_4^{12}u_1^4x_{14}x_5x_4+$$
$$(-16u_6u_4^{11}u_1^4 + 64u_6u_4^9u_1^6)x_{14}x_4x_3 + 16u_5u_4^{10}u_1^4x_5x_4x_3^2-$$
$$16u_6u_4^{10}u_1^4x_4^2x_3^2$$

Reduced to zero.

2325. Creating S-polynomial from the pair (p_{30}, p_{106}).
Forming S-pol of p_{30} and p_{106}:

$$p_{553} = -256u_4^{20}u_1^8x_{16}x_4^2 + 256u_5u_4^{19}u_1^8x_{16}x_4x_3+$$
$$256u_4^{20}u_1^8x_{14}x_5x_4 - 256u_6u_4^{19}u_1^8x_{14}x_4x_3+$$
$$(-2048u_4^{15}u_1^{11} + 1024u_4^{15}u_1^{10})x_5x_4^2x_3^2 + 1024u_4^{17}u_1^{10}x_5x_4^2x_3+$$
$$256u_5u_4^{18}u_1^8x_5x_4x_3^2 - 512u_5u_4^{18}u_1^9x_5x_4x_3+$$
$$(-256u_6u_4^{18}u_1^8 - 1024u_6u_4^{16}u_1^{10})x_4^2x_3^2+$$
$$(512u_6u_4^{18}u_1^9 + 1024u_6u_4^{16}u_1^{10})x_4^2x_3$$

S-pol added.

2326. Creating S-polynomial from the pair (p_{31}, p_{32}).
Skipping pair p_{31} and p_{32} because gcd of their leading monoms is zero.

2327. Creating S-polynomial from the pair (p_{31}, p_{33}).
Skipping pair p_{31} and p_{33} because gcd of their leading monoms is zero.

2328. Creating S-polynomial from the pair (p_{31}, p_{34}).
Skipping pair p_{31} and p_{34} because gcd of their leading monoms is zero.

2329. Creating S-polynomial from the pair (p_{31}, p_{35}).
Skipping pair p_{31} and p_{35} because gcd of their leading monoms is zero.

2330. Creating S-polynomial from the pair (p_{31}, p_{36}).
Skipping pair p_{31} and p_{36} because gcd of their leading monoms is zero.

2331. Creating S-polynomial from the pair (p_{31}, p_{37}).
Skipping pair p_{31} and p_{37} because gcd of their leading monoms is zero.

2332. Creating S-polynomial from the pair (p_{31}, p_{38}).
Skipping pair p_{31} and p_{38} because gcd of their leading monoms is zero.

2333. Creating S-polynomial from the pair (p_{31}, p_{39}).
Forming S-pol of p_{31} and p_{39}:

$$p_{554} = 4u_6u_4^6u_1^2x_3^2 - 8u_6u_4^6u_1^3x_3 + 4u_6u_4^8u_1^2$$

Reduced to zero.

2334. Creating S-polynomial from the pair (p_{31}, p_{40}).
Forming S-pol of p_{31} and p_{40}:

$$p_{555} = 256u_4^{13}u_1^8x_{14}x_5x_3 - 128u_4^{14}u_1^7x_5x_4x_3 + 128u_5u_4^{13}u_1^7x_5x_3^2 - 256u_5u_4^{13}u_1^8x_5x_3 - 128u_6u_4^{13}u_1^7x_4x_3^2 + 256u_6u_4^{13}u_1^8x_4x_3 - 128u_6u_4^{15}u_1^7x_4$$

Reduced to zero.

2335. Creating S-polynomial from the pair (p_{31}, p_{41}).
Skipping pair p_{31} and p_{41} because gcd of their leading monoms is zero.

2336. Creating S-polynomial from the pair (p_{31}, p_{42}).
Skipping pair p_{31} and p_{42} because gcd of their leading monoms is zero.

2337. Creating S-polynomial from the pair (p_{31}, p_{43}).
Forming S-pol of p_{31} and p_{43}:

$$p_{556} = -256u_6u_4^{12}u_1^8x_{14}x_4x_3 + 256u_6u_4^{13}u_1^8x_4x_3 + 128u_6u_5u_4^{14}u_1^7x_4 - 128u_6u_5^2u_4^{13}u_1^7x_3$$

Reduced to zero.

2338. Creating S-polynomial from the pair (p_{31}, p_{44}).
Skipping pair p_{31} and p_{44} because gcd of their leading monoms is zero.

2339. Creating S-polynomial from the pair (p_{31}, p_{45}).
Skipping pair p_{31} and p_{45} because gcd of their leading monoms is zero.

2340. Creating S-polynomial from the pair (p_{31}, p_{46}).
Skipping pair p_{31} and p_{46} because gcd of their leading monoms is zero.

2341. Creating S-polynomial from the pair (p_{31}, p_{47}).
Skipping pair p_{31} and p_{47} because gcd of their leading monoms is zero.

2342. Creating S-polynomial from the pair (p_{31}, p_{48}).
Skipping pair p_{31} and p_{48} because gcd of their leading monoms is zero.

2343. Creating S-polynomial from the pair (p_{31}, p_{49}).
Skipping pair p_{31} and p_{49} because gcd of their leading monoms is zero.

2344. Creating S-polynomial from the pair (p_{31}, p_{50}).
Skipping pair p_{31} and p_{50} because gcd of their leading monoms is zero.

2345. Creating S-polynomial from the pair (p_{31}, p_{51}).
Skipping pair p_{31} and p_{51} because gcd of their leading monoms is zero.

2346. Creating S-polynomial from the pair (p_{31}, p_{52}).
Skipping pair p_{31} and p_{52} because gcd of their leading monoms is zero.

2347. Creating S-polynomial from the pair (p_{31}, p_{53}).
Skipping pair p_{31} and p_{53} because gcd of their leading monoms is zero.

2348. Creating S-polynomial from the pair (p_{31}, p_{54}).
Skipping pair p_{31} and p_{54} because gcd of their leading monoms is zero.

2349. Creating S-polynomial from the pair (p_{31}, p_{55}).
Skipping pair p_{31} and p_{55} because gcd of their leading monoms is zero.

2350. Creating S-polynomial from the pair (p_{31}, p_{56}).
Skipping pair p_{31} and p_{56} because gcd of their leading monoms is zero.

2351. Creating S-polynomial from the pair (p_{31}, p_{57}).
Skipping pair p_{31} and p_{57} because gcd of their leading monoms is zero.

2352. Creating S-polynomial from the pair (p_{31}, p_{58}).
Skipping pair p_{31} and p_{58} because gcd of their leading monoms is zero.

2353. Creating S-polynomial from the pair (p_{31}, p_{59}).
Skipping pair p_{31} and p_{59} because gcd of their leading monoms is zero.

2354. Creating S-polynomial from the pair (p_{31}, p_{60}).
Skipping pair p_{31} and p_{60} because gcd of their leading monoms is zero.

2355. Creating S-polynomial from the pair (p_{31}, p_{61}).
Skipping pair p_{31} and p_{61} because gcd of their leading monoms is zero.

2356. Creating S-polynomial from the pair (p_{31}, p_{62}).
Skipping pair p_{31} and p_{62} because gcd of their leading monoms is zero.

2357. Creating S-polynomial from the pair (p_{31}, p_{63}).
Skipping pair p_{31} and p_{63} because gcd of their leading monoms is zero.

2358. Creating S-polynomial from the pair (p_{31}, p_{64}).
Skipping pair p_{31} and p_{64} because gcd of their leading monoms is zero.

2359. Creating S-polynomial from the pair (p_{31}, p_{65}).
Forming S-pol of p_{31} and p_{65}:

$$p_{557} = 4096u_4^{12}u_1^{12}x_{16}x_4x_3+$$
$$(-512u_5u_4^{15}u_1^9 + 8192u_5u_4^{11}u_1^{13})x_{16}x_3 - 4096u_4^{12}u_1^{12}x_{14}x_5x_3+$$
$$(-1024u_6u_4^{15}u_1^{10} - 4096u_6u_4^{13}u_1^{12})x_{14} - 2048u_5u_4^{12}u_1^{11}x_5x_3^2+$$
$$256u_5u_4^{16}u_1^8x_5x_3 - 512u_6u_4^{14}u_1^9x_4x_3^2 + 1024u_6u_4^{14}u_1^{10}x_4x_3+$$
$$(-256u_6u_5u_4^{15}u_1^8 - 1024u_6u_5u_4^{13}u_1^{10})x_3^2$$

Reduced to zero.

2360. Creating S-polynomial from the pair (p_{31}, p_{66}).
Skipping pair p_{31} and p_{66} because gcd of their leading monoms is zero.

2361. Creating S-polynomial from the pair (p_{31}, p_{67}).

Forming S-pol of p_{31} and p_{67}: Polynomial too big for output (text size is 1018 characters, number of terms is 14)

Reduced to zero.

2362. Creating S-polynomial from the pair (p_{31}, p_{68}).

Forming S-pol of p_{31} and p_{68}:

$$p_{558} = -128u_4^7u_1^7x_{16}x_4x_3 - 256u_5u_4^6u_1^8x_{16}x_3 + 128u_4^7u_1^7x_{14}x_5x_3+$$
$$64u_6u_4^8u_1^6x_{14}x_3 + 128u_6u_4^8u_1^7x_{14} + 64u_5u_4^7u_1^6x_5x_3^2-$$
$$32u_6u_4^9u_1^5x_4x_3 + 32u_6u_5u_4^8u_1^5x_3^2$$

Reduced to zero.

2363. Creating S-polynomial from the pair (p_{31}, p_{69}).

Forming S-pol of p_{31} and p_{69}:

$$p_{559} = 256u_4^{13}u_1^8x_{16}x_4x_3 - 128u_5u_4^{14}u_1^7x_{16}x_3 - 256u_4^{13}u_1^8x_{14}x_5x_3+$$
$$2048u_6u_4^{10}u_1^{11}x_{14}x_3+$$
$$(-256u_6u_4^{14}u_1^8 - 1024u_6u_4^{12}u_1^{10})x_{14} - 128u_5u_4^{13}u_1^7x_5x_3^2+$$
$$(64u_5u_4^{15}u_1^6 + 256u_5u_4^{13}u_1^8)x_5x_3 - 512u_6u_4^{11}u_1^9x_4x_3^2+$$
$$(-64u_6u_5u_4^{14}u_1^6 - 256u_6u_5u_4^{12}u_1^8)x_3^2$$

Reduced to zero.

2364. Creating S-polynomial from the pair (p_{31}, p_{70}).

Forming S-pol of p_{31} and p_{70}:

$$p_{560} = (-8u_6u_4^{12}u_1^3 + 128u_6u_4^8u_1^7)x_{16}x_3+$$
$$(-16u_6u_4^{12}u_1^4 - 64u_6u_4^{10}u_1^6)x_{16}+$$
$$(-8u_6u_4^{11}u_1^3 - 32u_6u_4^9u_1^5)x_5x_3^2+$$
$$(4u_6u_4^{13}u_1^2 + 16u_6u_4^{11}u_1^4)x_5x_3+$$
$$(-4u_6^2u_4^{12}u_1^2 - 16u_6^2u_4^{10}u_1^4)x_3^2$$

Reduced to zero.

2365. Creating S-polynomial from the pair (p_{31}, p_{71}).

Forming S-pol of p_{31} and p_{71}:

$$p_{561} = 64u_5u_4^8u_1^6x_{16}x_3 - 256u_6u_4^6u_1^8x_{14}x_3 + 128u_6u_4^8u_1^7x_{14}-$$
$$32u_5u_4^9u_1^5x_5x_3 + 64u_6u_4^7u_1^6x_4x_3^2 + 32u_6u_5u_4^8u_1^5x_3^2$$

Reduced to zero.

2366. Creating S-polynomial from the pair (p_{31}, p_{72}).

Forming S-pol of p_{31} and p_{72}:

$$p_{562} = 4096u_4^{19}u_1^{12}x_{16}x_{14}x_5x_3 - 2048u_4^{20}u_1^{11}x_{16}x_5x_4x_3+$$
$$(1024u_5u_4^{21}u_1^{10} - 4096u_5u_4^{19}u_1^{12})x_{16}x_5x_3+$$
$$(-1024u_6u_4^{21}u_1^{10} + 16384u_6u_4^{17}u_1^{14})x_{16}x_4x_3+$$
$$(-2048u_6u_4^{21}u_1^{11} - 8192u_6u_4^{19}u_1^{13})x_{16}x_4+$$
$$(-1024u_6u_4^{20}u_1^{10} - 4096u_6u_4^{18}u_1^{12})x_5x_4x_3^2+$$
$$(512u_6u_4^{22}u_1^{9} + 2048u_6u_4^{20}u_1^{11})x_5x_4x_3+$$
$$(512u_6u_5u_4^{21}u_1^{9} + 2048u_5u_4^{20}u_1^{11})x_5x_3^2 - 1024u_5u_4^{22}u_1^{10}x_5x_3+$$
$$(-512u_6^2u_4^{21}u_1^{9} - 2048u_6^2u_4^{19}u_1^{11})x_4x_3^2-$$
$$1024u_6^2u_5u_4^{20}u_1^{10}x_3^2 + 512u_6^2u_5u_4^{22}u_1^{9}x_3$$

Reduced to zero.

2367. Creating S-polynomial from the pair (p_{31}, p_{73}).

Forming S-pol of p_{31} and p_{73}:

$$p_{563} = (4u_6u_4^6u_1^2 - 16u_6u_4^4u_1^4)x_{16}x_3 + 8u_6u_4^6u_1^3x_{16}+$$
$$4u_6u_4^5u_1^2x_5x_3^2 - 2u_6u_4^7u_1x_5x_3 + 2u_6^2u_4^6u_1x_3^2$$

Reduced to zero.

2368. Creating S-polynomial from the pair (p_{31}, p_{74}).

Skipping pair p_{31} and p_{74} because gcd of their leading monoms is zero.

2369. Creating S-polynomial from the pair (p_{31}, p_{75}).

Skipping pair p_{31} and p_{75} because gcd of their leading monoms is zero.

2370. Creating S-polynomial from the pair (p_{31}, p_{76}).

Skipping pair p_{31} and p_{76} because gcd of their leading monoms is zero.

2371. Creating S-polynomial from the pair (p_{31}, p_{77}).

Skipping pair p_{31} and p_{77} because gcd of their leading monoms is zero.

2372. Creating S-polynomial from the pair (p_{31}, p_{78}).

Skipping pair p_{31} and p_{78} because gcd of their leading monoms is zero.

2373. Creating S-polynomial from the pair (p_{31}, p_{79}).

Skipping pair p_{31} and p_{79} because gcd of their leading monoms is zero.

2374. Creating S-polynomial from the pair (p_{31}, p_{80}).

Skipping pair p_{31} and p_{80} because gcd of their leading monoms is zero.

2375. Creating S-polynomial from the pair (p_{31}, p_{81}).

Skipping pair p_{31} and p_{81} because gcd of their leading monoms is zero.

2376. Creating S-polynomial from the pair (p_{31}, p_{82}).
Skipping pair p_{31} and p_{82} because gcd of their leading monoms is zero.

2377. Creating S-polynomial from the pair (p_{31}, p_{83}).
Skipping pair p_{31} and p_{83} because gcd of their leading monoms is zero.

2378. Creating S-polynomial from the pair (p_{31}, p_{84}).
Skipping pair p_{31} and p_{84} because gcd of their leading monoms is zero.

2379. Creating S-polynomial from the pair (p_{31}, p_{85}).
Skipping pair p_{31} and p_{85} because gcd of their leading monoms is zero.

2380. Creating S-polynomial from the pair (p_{31}, p_{86}).
Skipping pair p_{31} and p_{86} because gcd of their leading monoms is zero.

2381. Creating S-polynomial from the pair (p_{31}, p_{87}).
Skipping pair p_{31} and p_{87} because gcd of their leading monoms is zero.

2382. Creating S-polynomial from the pair (p_{31}, p_{88}).
Forming S-pol of p_{31} and p_{88}:

$$p_{564} = 1024u_6u_4^{10}u_1^{10}x_{14}x_3 - 512u_6u_4^{11}u_1^9x_4x_3 - 512u_6u_5u_4^{12}u_1^9$$

Reduced to zero.

2383. Creating S-polynomial from the pair (p_{31}, p_{89}).
Skipping pair p_{31} and p_{89} because gcd of their leading monoms is zero.

2384. Creating S-polynomial from the pair (p_{31}, p_{90}).
Forming S-pol of p_{31} and p_{90}:

$$p_{565} = 524288u_5u_4^{19}u_1^{19}x_{16}x_4x_3 + 262144u_5^2u_4^{20}u_1^{18}x_{16}x_3 -$$
$$1048576u_6u_4^{18}u_1^{20}x_{14}^2x_3 - 262144u_6u_5u_4^{20}u_1^{18}x_{14}x_3 +$$
$$524288u_6u_5u_4^{20}u_1^{19}x_{14} - 262144u_5u_4^{20}u_1^{18}x_5x_4x_3 -$$
$$131072u_5^2u_4^{21}u_1^{17}x_5x_3 +$$
$$(131072u_6u_5u_4^{21}u_1^{17} + 524288u_6u_4^{20}u_1^{19})x_4x_3 -$$
$$262144u_6u_5^2u_4^{20}u_1^{18}x_3$$

Reduced to zero.

2385. Creating S-polynomial from the pair (p_{31}, p_{91}).
Forming S-pol of p_{31} and p_{91}:

$$p_{566} = 128u_5u_4^8u_1^7x_{16}x_3 - 512u_6u_4^6u_1^9x_{14}x_3 + 256u_6u_4^8u_1^8x_{14} -$$
$$64u_5u_4^9u_1^6x_5x_3 + 128u_6u_4^7u_1^7x_4x_3^2 + 64u_6u_5u_4^8u_1^6x_3^2$$

Reduced to zero.

2386. Creating S-polynomial from the pair (p_{31}, p_{92}).

Forming S-pol of p_{31} and p_{92}:

$$p_{567} = -256u_4^7u_1^8x_{16}x_4x_3 - 512u_5u_4^6u_1^9x_{16}x_3 + 256u_4^7u_1^8x_{14}x_5x_3+$$
$$128u_6u_4^8u_1^7x_{14}x_3 + 256u_6u_4^8u_1^8x_{14} + 128u_5u_4^7u_1^7x_5x_3^2-$$
$$64u_6u_4^9u_1^6x_4x_3 + 64u_6u_5u_4^8u_1^6x_3^2$$

Reduced to zero.

2387. Creating S-polynomial from the pair (p_{31}, p_{93}).

Forming S-pol of p_{31} and p_{93}:

$$p_{568} = 1024u_4^{14}u_1^{10}x_{14}x_5x_3 + (-4096u_4^{11}u_1^{12} + 2048u_4^{11}u_1^{11})x_5x_4x_3^2+$$
$$(-512u_4^{15}u_1^9 + 2048u_4^{13}u_1^{11})x_5x_4x_3 + 512u_5u_4^{14}u_1^9x_5x_3^2-$$
$$1024u_5u_4^{14}u_1^{10}x_5x_3+$$
$$(-512u_6u_4^{14}u_1^9 - 2048u_6u_4^{12}u_1^{11} + 1024u_6u_4^{12}u_1^{10})x_4x_3^2+$$
$$1024u_6u_4^{14}u_1^{10}x_4x_3 + (-512u_6u_4^{16}u_1^9 + 1024u_6u_4^{14}u_1^{10})x_4$$

S-pol added.

2388. Creating S-polynomial from the pair (p_{31}, p_{94}).

Forming S-pol of p_{31} and p_{94}:

$$p_{569} = 8u_6u_4^6u_1^3x_3^2 - 16u_6u_4^6u_1^4x_3 + 8u_6u_4^8u_1^3$$

Reduced to zero.

2389. Creating S-polynomial from the pair (p_{31}, p_{95}).

Skipping pair p_{31} and p_{95} because gcd of their leading monoms is zero.

2390. Creating S-polynomial from the pair (p_{31}, p_{96}).

Skipping pair p_{31} and p_{96} because gcd of their leading monoms is zero.

2391. Creating S-polynomial from the pair (p_{31}, p_{97}).

Skipping pair p_{31} and p_{97} because gcd of their leading monoms is zero.

2392. Creating S-polynomial from the pair (p_{31}, p_{98}).

Skipping pair p_{31} and p_{98} because gcd of their leading monoms is zero.

2393. Creating S-polynomial from the pair (p_{31}, p_{99}).

Forming S-pol of p_{31} and p_{99}: Polynomial too big for output (text size is 2201 characters, number of terms is 27)

Reduced to zero.

2394. Creating S-polynomial from the pair (p_{31}, p_{100}).

Skipping pair p_{31} and p_{100} because gcd of their leading monoms is zero.

2395. Creating S-polynomial from the pair (p_{31}, p_{101}).

Skipping pair p_{31} and p_{101} because gcd of their leading monoms is zero.

2396. Creating S-polynomial from the pair (p_{31}, p_{102}).

Skipping pair p_{31} and p_{102} because gcd of their leading monoms is zero.

2397. Creating S-polynomial from the pair (p_{31}, p_{103}).

Forming S-pol of p_{31} and p_{103}: Polynomial too big for output (text size is 2210 characters, number of terms is 27)

Reduced to zero.

2398. Creating S-polynomial from the pair (p_{31}, p_{104}).

Forming S-pol of p_{31} and p_{104}:

$$p_{570} = -524288u_5u_4^{17}u_1^{19}x_{16}x_{14}x_3+$$
$$(-1048576u_5u_4^{16}u_1^{20} - 1048576u_4^{17}u_1^{20})x_{16}x_4x_3+$$
$$(-131072u_5^2u_4^{19}u_1^{17} + 524288u_5^2u_4^{17}u_1^{19})x_{16}x_3+$$
$$524288u_6u_4^{17}u_1^{19}x_{14}^2x_3 + 524288u_4^{17}u_1^{19}x_{14}x_5x_4x_3+$$
$$262144u_5u_4^{18}u_1^{18}x_{14}x_5x_3 + 524288u_6u_4^{18}u_1^{19}x_{14}x_4+$$
$$131072u_6u_5u_4^{19}u_1^{17}x_{14}x_3 + 262144u_5u_4^{17}u_1^{18}x_5x_4x_3^2+$$
$$65536u_5^2u_4^{20}u_1^{16}x_5x_3 + 131072u_6u_5u_4^{18}u_1^{17}x_4x_3^2+$$
$$(-65536u_6u_5u_4^{20}u_1^{16} - 262144u_6u_4^{19}u_1^{18})x_4x_3+$$
$$131072u_6u_5^2u_4^{19}u_1^{17}x_3$$

Reduced to zero.

2399. Creating S-polynomial from the pair (p_{31}, p_{105}).

Forming S-pol of p_{31} and p_{105}:

$$p_{571} = -64u_5u_4^4u_1^6x_{16}x_3 + 32u_4^5u_1^5x_{14}x_5x_3 + 64u_6u_4^4u_1^6x_{14}x_3-$$
$$16u_4^6u_1^4x_5x_4x_3 + 16u_5u_4^5u_1^4x_5x_3^2 - 16u_6u_4^5u_1^4x_4x_3^2-$$
$$16u_6u_4^7u_1^4x_4$$

Reduced to zero.

2400. Creating S-polynomial from the pair (p_{31}, p_{106}).

Forming S-pol of p_{31} and p_{106}:

$$p_{572} = 512u_4^{13}u_1^9x_{14}x_5x_3 + (-2048u_4^{10}u_1^{11} + 1024u_4^{10}u_1^{10})x_5x_4x_3^2+$$
$$(-256u_4^{14}u_1^8 + 1024u_4^{12}u_1^{10})x_5x_4x_3 + 256u_5u_4^{13}u_1^8x_5x_3^2-$$
$$512u_5u_4^{13}u_1^9x_5x_3 + (-256u_6u_4^{13}u_1^8 - 1024u_6u_4^{11}u_1^{10})x_4x_3^2+$$
$$(512u_6u_4^{13}u_1^9 + 1024u_6u_4^{11}u_1^{10})x_4x_3 - 256u_6u_4^{15}u_1^8x_4$$

S-pol added.

2401. Creating S-polynomial from the pair (p_{32}, p_{33}).
Skipping pair p_{32} and p_{33} because gcd of their leading monoms is zero.

2402. Creating S-polynomial from the pair (p_{32}, p_{34}).
Skipping pair p_{32} and p_{34} because gcd of their leading monoms is zero.

2403. Creating S-polynomial from the pair (p_{32}, p_{35}).
Skipping pair p_{32} and p_{35} because gcd of their leading monoms is zero.

2404. Creating S-polynomial from the pair (p_{32}, p_{36}).
Skipping pair p_{32} and p_{36} because gcd of their leading monoms is zero.

2405. Creating S-polynomial from the pair (p_{32}, p_{37}).
Skipping pair p_{32} and p_{37} because gcd of their leading monoms is zero.

2406. Creating S-polynomial from the pair (p_{32}, p_{38}).
Skipping pair p_{32} and p_{38} because gcd of their leading monoms is zero.

2407. Creating S-polynomial from the pair (p_{32}, p_{39}).
Skipping pair p_{32} and p_{39} because gcd of their leading monoms is zero.

2408. Creating S-polynomial from the pair (p_{32}, p_{40}).
Skipping pair p_{32} and p_{40} because gcd of their leading monoms is zero.

2409. Creating S-polynomial from the pair (p_{32}, p_{41}).
Skipping pair p_{32} and p_{41} because gcd of their leading monoms is zero.

2410. Creating S-polynomial from the pair (p_{32}, p_{42}).
Skipping pair p_{32} and p_{42} because gcd of their leading monoms is zero.

2411. Creating S-polynomial from the pair (p_{32}, p_{43}).
Skipping pair p_{32} and p_{43} because gcd of their leading monoms is zero.

2412. Creating S-polynomial from the pair (p_{32}, p_{44}).
Skipping pair p_{32} and p_{44} because gcd of their leading monoms is zero.

2413. Creating S-polynomial from the pair (p_{32}, p_{45}).
Skipping pair p_{32} and p_{45} because gcd of their leading monoms is zero.

2414. Creating S-polynomial from the pair (p_{32}, p_{46}).
Skipping pair p_{32} and p_{46} because gcd of their leading monoms is zero.

2415. Creating S-polynomial from the pair (p_{32}, p_{47}).
Skipping pair p_{32} and p_{47} because gcd of their leading monoms is zero.

2416. Creating S-polynomial from the pair (p_{32}, p_{48}).
Skipping pair p_{32} and p_{48} because gcd of their leading monoms is zero.

2417. Creating S-polynomial from the pair (p_{32}, p_{49}).
Skipping pair p_{32} and p_{49} because gcd of their leading monoms is zero.

2418. Creating S-polynomial from the pair (p_{32}, p_{50}).
Skipping pair p_{32} and p_{50} because gcd of their leading monoms is zero.

2419. Creating S-polynomial from the pair (p_{32}, p_{51}).
Skipping pair p_{32} and p_{51} because gcd of their leading monoms is zero.

2420. Creating S-polynomial from the pair (p_{32}, p_{52}).
Skipping pair p_{32} and p_{52} because gcd of their leading monoms is zero.

2421. Creating S-polynomial from the pair (p_{32}, p_{53}).
Skipping pair p_{32} and p_{53} because gcd of their leading monoms is zero.

2422. Creating S-polynomial from the pair (p_{32}, p_{54}).
Forming S-pol of p_{32} and p_{54}:

$$p_{573} = (-32u_5u_2^{16}u_1^5 - 128u_5u_2^{14}u_1^7)x_{10}x_1+$$
$$(16u_5u_2^{18}u_1^4 + 64u_5u_2^{16}u_1^6)x_{10}+$$
$$(16u_5u_2^{17}u_1^4 + 64u_5u_2^{15}u_1^6)x_4x_1+$$
$$(-8u_5u_2^{19}u_1^3 - 32u_5u_2^{17}u_1^5)x_4+$$
$$(8u_5^2u_2^{18}u_1^3 + 32u_5^2u_2^{16}u_1^5)x_1$$

Reduced to zero.

2423. Creating S-polynomial from the pair (p_{32}, p_{55}).
Forming S-pol of p_{32} and p_{55}:

$$p_{574} = 2048u_2^{20}u_1^{11}x_{12}x_4 + (-2048u_5u_2^{19}u_1^{11} - 8192u_5u_2^{17}u_1^{13})x_{12}x_1+$$
$$(1024u_5u_2^{21}u_1^{10} + 4096u_5u_2^{19}u_1^{12})x_{12} - 2048u_2^{20}u_1^{11}x_{10}x_5+$$
$$4096u_5u_2^{18}u_1^{12}x_5x_1 - 512u_5u_2^{22}u_1^9x_5 + 1024u_6u_2^{20}u_1^{10}x_4x_1-$$
$$2048u_6u_2^{20}u_1^{11}x_4 + (512u_6u_5u_2^{21}u_1^9 + 2048u_6u_5u_2^{19}u_1^{11})x_1$$

Reduced to zero.

2424. Creating S-polynomial from the pair (p_{32}, p_{56}).
Forming S-pol of p_{32} and p_{56}:

$$p_{575} = 16u_5u_2^{10}u_1^4x_{10}x_1 - 8u_5u_2^{12}u_1^3x_{10} - 8u_5u_2^{11}u_1^3x_4x_1+$$
$$4u_5u_2^{13}u_1^2x_4 - 4u_5^2u_2^{12}u_1^2x_1$$

Reduced to zero.

2425. Creating S-polynomial from the pair (p_{32}, p_{57}).
Forming S-pol of p_{32} and p_{57}:

$$p_{576} = (1048576u_2^{30}u_1^{20} + 4194304u_2^{28}u_1^{22})x_{12}x_4^2+$$
$$(-1048576u_5u_2^{29}u_1^{20} - 4194304u_5u_2^{27}u_1^{22})x_{12}x_4x_1+$$

$$(524288u_5u_2^{31}u_1^{19} + 2097152u_5u_2^{29}u_1^{21} - 8388608u_2^{28}u_1^{23})x_{12}x_4+$$
$$(-1048576u_5^2u_2^{30}u_1^{20} + 4194304u_5^2u_2^{28}u_1^{22})x_{12}-$$
$$2097152u_2^{29}u_1^{21}x_{10}^2x_5+$$
$$(-524288u_5u_2^{31}u_1^{19} + 2097152u_5u_2^{29}u_1^{21})x_{10}x_5+$$
$$1048576u_6u_5u_2^{30}u_1^{20}x_{10}+$$
$$(-524288u_5u_2^{30}u_1^{19} + 2097152u_5u_2^{28}u_1^{21})x_5x_4x_1-$$
$$262144u_5^2u_2^{31}u_1^{18}x_5x_1 + 524288u_5^2u_2^{31}u_1^{19}x_5+$$
$$(262144u_6u_5u_2^{31}u_1^{18} + 1048576u_6u_5u_2^{29}u_1^{20} + 1048576u_6u_2^{30}u_1^{20})x_4x_1+$$
$$(-524288u_6u_5u_2^{31}u_1^{19} - 2097152u_6u_2^{30}u_1^{21})x_4-$$
$$524288u_6u_5^2u_2^{30}u_1^{19}x_1 + 1048576u_6u_5^2u_2^{30}u_1^{20}$$

Reduced to zero.

2426. Creating S-polynomial from the pair (p_{32}, p_{58}).
Forming S-pol of p_{32} and p_{58}:

$$p_{577} = 256u_5u_2^{12}u_1^8x_{12}x_1 - 128u_6u_2^{14}u_1^7x_{10} - 128u_5u_2^{13}u_1^7x_5x_1+$$
$$64u_6u_2^{15}u_1^6x_4 - 64u_6u_5u_2^{14}u_1^6x_1$$

Reduced to zero.

2427. Creating S-polynomial from the pair (p_{32}, p_{59}).
Forming S-pol of p_{32} and p_{59}:

$$p_{578} = 2048u_2^{17}u_1^{11}x_{12}x_4 + (-512u_5u_2^{18}u_1^9 - 2048u_5u_2^{16}u_1^{11})x_{12}x_1+$$
$$(256u_5u_2^{20}u_1^8 + 1024u_5u_2^{18}u_1^{10} + 4096u_5u_2^{16}u_1^{12})x_{12}-$$
$$2048u_2^{17}u_1^{11}x_{10}x_5 - 4096u_6u_2^{16}u_1^{12}x_{10} + 256u_5u_2^{19}u_1^8x_5x_1+$$
$$(-128u_5u_2^{21}u_1^7 - 512u_5u_2^{19}u_1^9)x_5 + 1024u_6u_2^{17}u_1^{10}x_4x_1+$$
$$(128u_6u_5u_2^{20}u_1^7 + 512u_6u_5u_2^{18}u_1^9)x_1$$

Reduced to zero.

2428. Creating S-polynomial from the pair (p_{32}, p_{60}).
Skipping pair p_{32} and p_{60} because gcd of their leading monoms is zero.

2429. Creating S-polynomial from the pair (p_{32}, p_{61}).
Forming S-pol of p_{32} and p_{61}:

$$p_{579} = -256u_2^{13}u_1^8x_{12}x_4 + 256u_5u_2^{12}u_1^8x_{12}x_1+$$
$$(-128u_5u_2^{14}u_1^7 - 512u_5u_2^{12}u_1^9)x_{12} + 256u_2^{13}u_1^8x_{10}x_5+$$
$$512u_6u_2^{12}u_1^9x_{10} + 64u_5u_2^{15}u_1^6x_5 - 128u_6u_2^{13}u_1^7x_4x_1-$$
$$64u_6u_5u_2^{14}u_1^6x_1$$

Reduced to zero.

2430. Creating S-polynomial from the pair (p_{32}, p_{62}).
Skipping pair p_{32} and p_{62} because gcd of their leading monoms is zero.

2431. Creating S-polynomial from the pair (p_{32}, p_{63}).
Skipping pair p_{32} and p_{63} because gcd of their leading monoms is zero.

2432. Creating S-polynomial from the pair (p_{32}, p_{64}).
Skipping pair p_{32} and p_{64} because gcd of their leading monoms is zero.

2433. Creating S-polynomial from the pair (p_{32}, p_{65}).
Skipping pair p_{32} and p_{65} because gcd of their leading monoms is zero.

2434. Creating S-polynomial from the pair (p_{32}, p_{66}).
Skipping pair p_{32} and p_{66} because gcd of their leading monoms is zero.

2435. Creating S-polynomial from the pair (p_{32}, p_{67}).
Skipping pair p_{32} and p_{67} because gcd of their leading monoms is zero.

2436. Creating S-polynomial from the pair (p_{32}, p_{68}).
Skipping pair p_{32} and p_{68} because gcd of their leading monoms is zero.

2437. Creating S-polynomial from the pair (p_{32}, p_{69}).
Skipping pair p_{32} and p_{69} because gcd of their leading monoms is zero.

2438. Creating S-polynomial from the pair (p_{32}, p_{70}).
Skipping pair p_{32} and p_{70} because gcd of their leading monoms is zero.

2439. Creating S-polynomial from the pair (p_{32}, p_{71}).
Skipping pair p_{32} and p_{71} because gcd of their leading monoms is zero.

2440. Creating S-polynomial from the pair (p_{32}, p_{72}).
Skipping pair p_{32} and p_{72} because gcd of their leading monoms is zero.

2441. Creating S-polynomial from the pair (p_{32}, p_{73}).
Skipping pair p_{32} and p_{73} because gcd of their leading monoms is zero.

2442. Creating S-polynomial from the pair (p_{32}, p_{74}).
Skipping pair p_{32} and p_{74} because gcd of their leading monoms is zero.

2443. Creating S-polynomial from the pair (p_{32}, p_{75}).
Forming S-pol of p_{32} and p_{75}:

$$p_{580} = 0$$

Reduced to zero.

2444. Creating S-polynomial from the pair (p_{32}, p_{76}).
Forming S-pol of p_{32} and p_{76}:

$$p_{581} = -2097152u_5u_2^{25}u_1^{20}x_{12}x_4 + 1048576u_5^2u_2^{24}u_1^{20}x_{12}x_1+$$
$$(-524288u_5^2u_2^{26}u_1^{19} - 2097152u_5^2u_2^{24}u_1^{21})x_{12}+$$
$$2097152u_6u_2^{24}u_1^{21}x_{10}^2 + 1048576u_5u_2^{25}u_1^{20}x_{10}x_5+$$
$$524288u_6u_5u_2^{26}u_1^{19}x_{10} + 524288u_5u_2^{26}u_1^{19}x_5x_4+$$
$$262144u_5^2u_2^{27}u_1^{18}x_5+$$
$$(-262144u_6u_5u_2^{27}u_1^{18} - 1048576u_6u_2^{26}u_1^{20})x_4 + 524288u_6u_5^2u_2^{26}u_1^{19}$$

Reduced to zero.

2445. Creating S-polynomial from the pair (p_{32}, p_{77}).
Forming S-pol of p_{32} and p_{77}:

$$p_{582} = -512u_2^{13}u_1^9x_{12}x_4 + 512u_5u_2^{12}u_1^9x_{12}x_1+$$
$$(-256u_5u_2^{14}u_1^8 - 1024u_5u_2^{12}u_1^{10})x_{12} + 512u_2^{13}u_1^9x_{10}x_5+$$
$$1024u_6u_2^{12}u_1^{10}x_{10} + 128u_5u_2^{15}u_1^7x_5 - 256u_6u_2^{13}u_1^8x_4x_1-$$
$$128u_6u_5u_2^{14}u_1^7x_1$$

Reduced to zero.

2446. Creating S-polynomial from the pair (p_{32}, p_{78}).
Forming S-pol of p_{32} and p_{78}:

$$p_{583} = 512u_5u_2^{12}u_1^9x_{12}x_1 - 256u_6u_2^{14}u_1^8x_{10} - 256u_5u_2^{13}u_1^8x_5x_1+$$
$$128u_6u_2^{15}u_1^7x_4 - 128u_6u_5u_2^{14}u_1^7x_1$$

Reduced to zero.

2447. Creating S-polynomial from the pair (p_{32}, p_{79}).
Skipping pair p_{32} and p_{79} because gcd of their leading monoms is zero.

2448. Creating S-polynomial from the pair (p_{32}, p_{80}).
Skipping pair p_{32} and p_{80} because gcd of their leading monoms is zero.

2449. Creating S-polynomial from the pair (p_{32}, p_{81}).
Skipping pair p_{32} and p_{81} because gcd of their leading monoms is zero.

2450. Creating S-polynomial from the pair (p_{32}, p_{82}).
Skipping pair p_{32} and p_{82} because gcd of their leading monoms is zero.

2451. Creating S-polynomial from the pair (p_{32}, p_{83}).
Skipping pair p_{32} and p_{83} because gcd of their leading monoms is zero.

2452. Creating S-polynomial from the pair (p_{32}, p_{84}).
Skipping pair p_{32} and p_{84} because gcd of their leading monoms is zero.

2453. Creating S-polynomial from the pair (p_{32}, p_{85}).
Skipping pair p_{32} and p_{85} because gcd of their leading monoms is zero.

2454. Creating S-polynomial from the pair (p_{32}, p_{86}).
Skipping pair p_{32} and p_{86} because gcd of their leading monoms is zero.

2455. Creating S-polynomial from the pair (p_{32}, p_{87}).
Skipping pair p_{32} and p_{87} because gcd of their leading monoms is zero.

2456. Creating S-polynomial from the pair (p_{32}, p_{88}).
Skipping pair p_{32} and p_{88} because gcd of their leading monoms is zero.

2457. Creating S-polynomial from the pair (p_{32}, p_{89}).
Skipping pair p_{32} and p_{89} because gcd of their leading monoms is zero.

2458. Creating S-polynomial from the pair (p_{32}, p_{90}).
Skipping pair p_{32} and p_{90} because gcd of their leading monoms is zero.

2459. Creating S-polynomial from the pair (p_{32}, p_{91}).
Skipping pair p_{32} and p_{91} because gcd of their leading monoms is zero.

2460. Creating S-polynomial from the pair (p_{32}, p_{92}).
Skipping pair p_{32} and p_{92} because gcd of their leading monoms is zero.

2461. Creating S-polynomial from the pair (p_{32}, p_{93}).
Skipping pair p_{32} and p_{93} because gcd of their leading monoms is zero.

2462. Creating S-polynomial from the pair (p_{32}, p_{94}).
Skipping pair p_{32} and p_{94} because gcd of their leading monoms is zero.

2463. Creating S-polynomial from the pair (p_{32}, p_{95}).
Skipping pair p_{32} and p_{95} because gcd of their leading monoms is zero.

2464. Creating S-polynomial from the pair (p_{32}, p_{96}).
Skipping pair p_{32} and p_{96} because gcd of their leading monoms is zero.

2465. Creating S-polynomial from the pair (p_{32}, p_{97}).
Skipping pair p_{32} and p_{97} because gcd of their leading monoms is zero.

2466. Creating S-polynomial from the pair (p_{32}, p_{98}).
Skipping pair p_{32} and p_{98} because gcd of their leading monoms is zero.

2467. Creating S-polynomial from the pair (p_{32}, p_{99}).
Skipping pair p_{32} and p_{99} because gcd of their leading monoms is zero.

2468. Creating S-polynomial from the pair (p_{32}, p_{100}).
Forming S-pol of p_{32} and p_{100}:

$$p_{584} = 1048576u_5u_2^{23}u_1^{20}x_{12}x_{10} - 1048576u_2^{23}u_1^{20}x_{12}x_4^2+$$
$$1048576u_5u_2^{22}u_1^{20}x_{12}x_4x_1 + 2097152u_2^{23}u_1^{21}x_{12}x_4+$$
$$(262144u_5^2u_2^{25}u_1^{18} - 1048576u_5^2u_2^{23}u_1^{20})x_{12}-$$
$$1048576u_6u_2^{23}u_1^{20}x_{10}^2 - 524288u_5u_2^{24}u_1^{19}x_{10}x_5-$$
$$262144u_6u_5u_2^{25}u_1^{18}x_{10} - 524288u_5u_2^{23}u_1^{19}x_5x_4x_1-$$
$$131072u_5^2u_2^{26}u_1^{17}x_5 - 262144u_6u_5u_2^{24}u_1^{18}x_4x_1+$$
$$(131072u_6u_5u_2^{26}u_1^{17} + 524288u_6u_2^{25}u_1^{19})x_4 - 262144u_6u_5^2u_2^{25}u_1^{18}$$

Reduced to zero.

2469. Creating S-polynomial from the pair (p_{32}, p_{101}).
Skipping pair p_{32} and p_{101} because gcd of their leading monoms is zero.

2470. Creating S-polynomial from the pair (p_{32}, p_{102}).
Skipping pair p_{32} and p_{102} because gcd of their leading monoms is zero.

2471. Creating S-polynomial from the pair (p_{32}, p_{103}).
Skipping pair p_{32} and p_{103} because gcd of their leading monoms is zero.

2472. Creating S-polynomial from the pair (p_{32}, p_{104}).
Skipping pair p_{32} and p_{104} because gcd of their leading monoms is zero.

2473. Creating S-polynomial from the pair (p_{32}, p_{105}).
Skipping pair p_{32} and p_{105} because gcd of their leading monoms is zero.

2474. Creating S-polynomial from the pair (p_{32}, p_{106}).
Skipping pair p_{32} and p_{106} because gcd of their leading monoms is zero.

2475. Creating S-polynomial from the pair (p_{33}, p_{34}).
Forming S-pol of p_{33} and p_{34}:

$$p_{585} = -512u_2^{19}u_1^9x_{10}x_5 + 256u_2^{20}u_1^8x_5x_4 - 256u_5u_2^{19}u_1^8x_5x_1+$$
$$512u_5u_2^{19}u_1^9x_5$$

Reduced to zero.

2476. Creating S-polynomial from the pair (p_{33}, p_{35}).
Skipping pair p_{33} and p_{35} because gcd of their leading monoms is zero.

2477. Creating S-polynomial from the pair (p_{33}, p_{36}).
Skipping pair p_{33} and p_{36} because gcd of their leading monoms is zero.

2478. Creating S-polynomial from the pair (p_{33}, p_{37}).
Skipping pair p_{33} and p_{37} because gcd of their leading monoms is zero.

2479. Creating S-polynomial from the pair (p_{33}, p_{38}).
Skipping pair p_{33} and p_{38} because gcd of their leading monoms is zero.

2480. Creating S-polynomial from the pair (p_{33}, p_{39}).
Skipping pair p_{33} and p_{39} because gcd of their leading monoms is zero.

2481. Creating S-polynomial from the pair (p_{33}, p_{40}).
Skipping pair p_{33} and p_{40} because gcd of their leading monoms is zero.

2482. Creating S-polynomial from the pair (p_{33}, p_{41}).
Skipping pair p_{33} and p_{41} because gcd of their leading monoms is zero.

2483. Creating S-polynomial from the pair (p_{33}, p_{42}).
Forming S-pol of p_{33} and p_{42}:

$$p_{586} = 512u_6u_2^{18}u_1^9x_{10}x_4 + 256u_6u_5u_2^{18}u_1^8x_4x_1 +$$
$$(-512u_6u_5u_2^{18}u_1^9 - 512u_6u_2^{19}u_1^9)x_4 + 256u_6u_5^2u_2^{19}u_1^8$$

Reduced to zero.

2484. Creating S-polynomial from the pair (p_{33}, p_{43}).
Skipping pair p_{33} and p_{43} because gcd of their leading monoms is zero.

2485. Creating S-polynomial from the pair (p_{33}, p_{44}).
Skipping pair p_{33} and p_{44} because gcd of their leading monoms is zero.

2486. Creating S-polynomial from the pair (p_{33}, p_{45}).
Skipping pair p_{33} and p_{45} because gcd of their leading monoms is zero.

2487. Creating S-polynomial from the pair (p_{33}, p_{46}).
Skipping pair p_{33} and p_{46} because gcd of their leading monoms is zero.

2488. Creating S-polynomial from the pair (p_{33}, p_{47}).
Skipping pair p_{33} and p_{47} because gcd of their leading monoms is zero.

2489. Creating S-polynomial from the pair (p_{33}, p_{48}).
Skipping pair p_{33} and p_{48} because gcd of their leading monoms is zero.

2490. Creating S-polynomial from the pair (p_{33}, p_{49}).
Skipping pair p_{33} and p_{49} because gcd of their leading monoms is zero.

2491. Creating S-polynomial from the pair (p_{33}, p_{50}).
Skipping pair p_{33} and p_{50} because gcd of their leading monoms is zero.

2492. Creating S-polynomial from the pair (p_{33}, p_{51}).
Skipping pair p_{33} and p_{51} because gcd of their leading monoms is zero.

2493. Creating S-polynomial from the pair (p_{33}, p_{52}).
Skipping pair p_{33} and p_{52} because gcd of their leading monoms is zero.

2494. Creating S-polynomial from the pair (p_{33}, p_{53}).
Skipping pair p_{33} and p_{53} because gcd of their leading monoms is zero.

2495. Creating S-polynomial from the pair (p_{33}, p_{54}).
Skipping pair p_{33} and p_{54} because gcd of their leading monoms is zero.

2496. Creating S-polynomial from the pair (p_{33}, p_{55}).
Forming S-pol of p_{33} and p_{55}:

$$p_{587} = -8192u_2^{18}u_1^{13}x_{12}x_4+$$
$$(1024u_5u_2^{21}u_1^{10} - 16384u_5u_2^{17}u_1^{14})x_{12} + 8192u_2^{18}u_1^{13}x_{10}x_5+$$
$$(-2048u_6u_2^{19}u_1^{11} - 8192u_6u_2^{17}u_1^{13})x_{10}x_1+$$
$$(4096u_6u_2^{19}u_1^{12} + 16384u_6u_2^{17}u_1^{14})x_{10} + 4096u_5u_2^{18}u_1^{12}x_5x_1-$$
$$512u_5u_2^{22}u_1^{9}x_5 + 1024u_6u_2^{20}u_1^{10}x_4x_1 - 2048u_6u_2^{20}u_1^{11}x_4+$$
$$(512u_6u_5u_2^{21}u_1^{9} + 2048u_6u_5u_2^{19}u_1^{11})x_1$$

Reduced to zero.

2497. Creating S-polynomial from the pair (p_{33}, p_{56}).
Skipping pair p_{33} and p_{56} because gcd of their leading monoms is zero.

2498. Creating S-polynomial from the pair (p_{33}, p_{57}).
Forming S-pol of p_{33} and p_{57}: Polynomial too big for output (text size is 1049 characters, number of terms is 15)
Reduced to zero.

2499. Creating S-polynomial from the pair (p_{33}, p_{58}).
Forming S-pol of p_{33} and p_{58}:

$$p_{588} = 256u_2^{13}u_1^{8}x_{12}x_4 + 512u_5u_2^{12}u_1^{9}x_{12} - 256u_2^{13}u_1^{8}x_{10}x_5+$$
$$256u_6u_2^{12}u_1^{8}x_{10}x_1+$$
$$(-128u_6u_2^{14}u_1^{7} - 512u_6u_2^{12}u_1^{9})x_{10} - 128u_5u_2^{13}u_1^{7}x_5x_1+$$
$$64u_6u_2^{15}u_1^{6}x_4 - 64u_6u_5u_2^{14}u_1^{6}x_1$$

Reduced to zero.

2500. Creating S-polynomial from the pair (p_{33}, p_{59}).
Forming S-pol of p_{33} and p_{59}:

$$p_{589} = -512u_2^{19}u_1^{9}x_{12}x_4 + 256u_5u_2^{20}u_1^{8}x_{12} + 512u_2^{19}u_1^{9}x_{10}x_5+$$
$$(-512u_6u_2^{18}u_1^{9} - 2048u_6u_2^{16}u_1^{11})x_{10}x_1 + 1024u_6u_2^{18}u_1^{10}x_{10}+$$
$$256u_5u_2^{19}u_1^{8}x_5x_1+$$
$$(-128u_5u_2^{21}u_1^{7} - 512u_5u_2^{19}u_1^{9})x_5 + 1024u_6u_2^{17}u_1^{10}x_4x_1+$$
$$(128u_6u_5u_2^{20}u_1^{7} + 512u_6u_5u_2^{18}u_1^{9})x_1$$

Reduced to zero.

2501. Creating S-polynomial from the pair (p_{33}, p_{60}).

Forming S-pol of p_{33} and p_{60}:

$$p_{590} = (-32u_6u_2^{16}u_1^5 - 128u_6u_2^{14}u_1^7)x_{12}x_1+$$
$$(16u_6u_2^{18}u_1^4 + 64u_6u_2^{16}u_1^6)x_{12}+$$
$$(16u_6u_2^{17}u_1^4 + 64u_6u_2^{15}u_1^6)x_5x_1+$$
$$(-8u_6u_2^{19}u_1^3 - 32u_6u_2^{17}u_1^5)x_5+$$
$$(8u_6^2u_2^{18}u_1^3 + 32u_6^2u_2^{16}u_1^5)x_1$$

Reduced to zero.

2502. Creating S-polynomial from the pair (p_{33}, p_{61}).

Forming S-pol of p_{33} and p_{61}:

$$p_{591} = -128u_5u_2^{14}u_1^7x_{12} + 256u_6u_2^{12}u_1^8x_{10}x_1 + 64u_5u_2^{15}u_1^6x_5-$$
$$128u_6u_2^{13}u_1^7x_4x_1 - 64u_6u_5u_2^{14}u_1^6x_1$$

Reduced to zero.

2503. Creating S-polynomial from the pair (p_{33}, p_{62}).

Forming S-pol of p_{33} and p_{62}:

$$p_{592} = -8192u_2^{25}u_1^{13}x_{12}x_{10}x_5 + 4096u_2^{26}u_1^{12}x_{12}x_5x_4+$$
$$(-2048u_5u_2^{27}u_1^{11} + 8192u_5u_2^{25}u_1^{13})x_{12}x_5+$$
$$(-4096u_6u_2^{25}u_1^{12} - 16384u_6u_2^{23}u_1^{14})x_{12}x_4x_1+$$
$$(2048u_6u_2^{27}u_1^{11} + 8192u_6u_2^{25}u_1^{13})x_{12}x_4+$$
$$(2048u_6u_2^{26}u_1^{11} + 8192u_6u_2^{24}u_1^{13})x_5x_4x_1+$$
$$(-1024u_6u_2^{28}u_1^{10} - 4096u_6u_2^{26}u_1^{12})x_5x_4+$$
$$(-1024u_6u_5u_2^{27}u_1^{10} - 4096u_5u_2^{26}u_1^{12})x_5x_1 + 2048u_5u_2^{28}u_1^{11}x_5+$$
$$(1024u_6^2u_2^{27}u_1^{10} + 4096u_6^2u_2^{25}u_1^{12})x_4x_1+$$
$$2048u_6^2u_5u_2^{26}u_1^{11}x_1 - 1024u_6^2u_5u_2^{28}u_1^{10}$$

Reduced to zero.

2504. Creating S-polynomial from the pair (p_{33}, p_{63}).

Forming S-pol of p_{33} and p_{63}:

$$p_{593} = 16u_6u_2^{10}u_1^4x_{12}x_1 - 8u_6u_2^{12}u_1^3x_{12} - 8u_6u_2^{11}u_1^3x_5x_1+$$
$$4u_6u_2^{13}u_1^2x_5 - 4u_6^2u_2^{12}u_1^2x_1$$

Reduced to zero.

2505. Creating S-polynomial from the pair (p_{33}, p_{64}).

Skipping pair p_{33} and p_{64} because gcd of their leading monoms is zero.

2506. Creating S-polynomial from the pair (p_{33}, p_{65}).
Skipping pair p_{33} and p_{65} because gcd of their leading monoms is zero.

2507. Creating S-polynomial from the pair (p_{33}, p_{66}).
Skipping pair p_{33} and p_{66} because gcd of their leading monoms is zero.

2508. Creating S-polynomial from the pair (p_{33}, p_{67}).
Skipping pair p_{33} and p_{67} because gcd of their leading monoms is zero.

2509. Creating S-polynomial from the pair (p_{33}, p_{68}).
Skipping pair p_{33} and p_{68} because gcd of their leading monoms is zero.

2510. Creating S-polynomial from the pair (p_{33}, p_{69}).
Skipping pair p_{33} and p_{69} because gcd of their leading monoms is zero.

2511. Creating S-polynomial from the pair (p_{33}, p_{70}).
Skipping pair p_{33} and p_{70} because gcd of their leading monoms is zero.

2512. Creating S-polynomial from the pair (p_{33}, p_{71}).
Skipping pair p_{33} and p_{71} because gcd of their leading monoms is zero.

2513. Creating S-polynomial from the pair (p_{33}, p_{72}).
Skipping pair p_{33} and p_{72} because gcd of their leading monoms is zero.

2514. Creating S-polynomial from the pair (p_{33}, p_{73}).
Skipping pair p_{33} and p_{73} because gcd of their leading monoms is zero.

2515. Creating S-polynomial from the pair (p_{33}, p_{74}).
Forming S-pol of p_{33} and p_{74}:

$$p_{594} = -2048u_6u_2^{16}u_1^{11}x_{10} + 1024u_6u_2^{17}u_1^{10}x_4 - 1024u_6u_5u_2^{16}u_1^{10}x_1 + 2048u_6u_5u_2^{16}u_1^{11}$$

Reduced to zero.

2516. Creating S-polynomial from the pair (p_{33}, p_{75}).
Skipping pair p_{33} and p_{75} because gcd of their leading monoms is zero.

2517. Creating S-polynomial from the pair (p_{33}, p_{76}).
Forming S-pol of p_{33} and p_{76}:

$$p_{595} = -1048576u_5u_2^{25}u_1^{20}x_{12}x_4 - 524288u_5^2u_2^{26}u_1^{19}x_{12} + 2097152u_6u_2^{24}u_1^{21}x_{10}^2 + 1048576u_6u_5u_2^{24}u_1^{20}x_{10}x_1 + (524288u_6u_5u_2^{26}u_1^{19} - 2097152u_6u_5u_2^{24}u_1^{21})x_{10} + 524288u_5u_2^{26}u_1^{19}x_5x_4 + 262144u_5^2u_2^{27}u_1^{18}x_5 + (-262144u_6u_5u_2^{27}u_1^{18} - 1048576u_6u_2^{26}u_1^{20})x_4 + 524288u_6u_5^2u_2^{26}u_1^{19}$$

Reduced to zero.

2518. Creating S-polynomial from the pair (p_{33}, p_{77}).
Forming S-pol of p_{33} and p_{77}:

$$p_{596} = -256u_5u_2^{14}u_1^8x_{12} + 512u_6u_2^{12}u_1^9x_{10}x_1 + 128u_5u_2^{15}u_1^7x_5 -$$
$$256u_6u_2^{13}u_1^8x_4x_1 - 128u_6u_5u_2^{14}u_1^7x_1$$

Reduced to zero.

2519. Creating S-polynomial from the pair (p_{33}, p_{78}).
Forming S-pol of p_{33} and p_{78}:

$$p_{597} = 512u_2^{13}u_1^9x_{12}x_4 + 1024u_5u_2^{12}u_1^{10}x_{12} - 512u_2^{13}u_1^9x_{10}x_5 +$$
$$512u_6u_2^{12}u_1^9x_{10}x_1 +$$
$$(-256u_6u_2^{14}u_1^8 - 1024u_6u_2^{12}u_1^{10})x_{10} - 256u_5u_2^{13}u_1^8x_5x_1 +$$
$$128u_6u_2^{15}u_1^7x_4 - 128u_6u_5u_2^{14}u_1^7x_1$$

Reduced to zero.

2520. Creating S-polynomial from the pair (p_{33}, p_{79}).
Forming S-pol of p_{33} and p_{79}:

$$p_{598} = -2048u_2^{20}u_1^{11}x_{10}x_5 + (8192u_2^{17}u_1^{13} - 4096u_2^{17}u_1^{12})x_5x_4x_1 +$$
$$(1024u_2^{21}u_1^{10} - 4096u_2^{19}u_1^{12})x_5x_4 - 1024u_5u_2^{20}u_1^{10}x_5x_1 +$$
$$2048u_5u_2^{20}u_1^{11}x_5 + 4096u_6u_2^{18}u_1^{12}x_4x_1 - 4096u_6u_2^{18}u_1^{12}x_4$$

S-pol added.

2521. Creating S-polynomial from the pair (p_{33}, p_{80}).
Forming S-pol of p_{33} and p_{80}:

$$p_{599} = 0$$

Reduced to zero.

2522. Creating S-polynomial from the pair (p_{33}, p_{81}).
Skipping pair p_{33} and p_{81} because gcd of their leading monoms is zero.

2523. Creating S-polynomial from the pair (p_{33}, p_{82}).
Skipping pair p_{33} and p_{82} because gcd of their leading monoms is zero.

2524. Creating S-polynomial from the pair (p_{33}, p_{83}).
Skipping pair p_{33} and p_{83} because gcd of their leading monoms is zero.

2525. Creating S-polynomial from the pair (p_{33}, p_{84}).
Skipping pair p_{33} and p_{84} because gcd of their leading monoms is zero.

2526. Creating S-polynomial from the pair (p_{33}, p_{85}).
Skipping pair p_{33} and p_{85} because gcd of their leading monoms is zero.

2527. Creating S-polynomial from the pair (p_{33}, p_{86}).

Skipping pair p_{33} and p_{86} because gcd of their leading monoms is zero.

2528. Creating S-polynomial from the pair (p_{33}, p_{87}).

Skipping pair p_{33} and p_{87} because gcd of their leading monoms is zero.

2529. Creating S-polynomial from the pair (p_{33}, p_{88}).

Skipping pair p_{33} and p_{88} because gcd of their leading monoms is zero.

2530. Creating S-polynomial from the pair (p_{33}, p_{89}).

Skipping pair p_{33} and p_{89} because gcd of their leading monoms is zero.

2531. Creating S-polynomial from the pair (p_{33}, p_{90}).

Skipping pair p_{33} and p_{90} because gcd of their leading monoms is zero.

2532. Creating S-polynomial from the pair (p_{33}, p_{91}).

Skipping pair p_{33} and p_{91} because gcd of their leading monoms is zero.

2533. Creating S-polynomial from the pair (p_{33}, p_{92}).

Skipping pair p_{33} and p_{92} because gcd of their leading monoms is zero.

2534. Creating S-polynomial from the pair (p_{33}, p_{93}).

Skipping pair p_{33} and p_{93} because gcd of their leading monoms is zero.

2535. Creating S-polynomial from the pair (p_{33}, p_{94}).

Skipping pair p_{33} and p_{94} because gcd of their leading monoms is zero.

2536. Creating S-polynomial from the pair (p_{33}, p_{95}).

Skipping pair p_{33} and p_{95} because gcd of their leading monoms is zero.

2537. Creating S-polynomial from the pair (p_{33}, p_{96}).

Skipping pair p_{33} and p_{96} because gcd of their leading monoms is zero.

2538. Creating S-polynomial from the pair (p_{33}, p_{97}).

Skipping pair p_{33} and p_{97} because gcd of their leading monoms is zero.

2539. Creating S-polynomial from the pair (p_{33}, p_{98}).

Forming S-pol of p_{33} and p_{98}: Polynomial too big for output (text size is 2088 characters, number of terms is 27)

Reduced to zero.

2540. Creating S-polynomial from the pair (p_{33}, p_{99}).

Skipping pair p_{33} and p_{99} because gcd of their leading monoms is zero.

2541. Creating S-polynomial from the pair (p_{33}, p_{100}).

Forming S-pol of p_{33} and p_{100}:

$$p_{600} = 1048576u_5u_2^{23}u_1^{20}x_{12}x_{10}+(2097152u_5u_2^{22}u_1^{21}+2097152u_2^{23}u_1^{21})x_{12}x_4+$$

$$(262144u_5^2u_2^{25}u_1^{18} - 1048576u_5^2u_2^{23}u_1^{20})x_{12}-$$

$$1048576u_6u_2^{23}u_1^{20}x_{10}^2 - 1048576u_2^{23}u_1^{20}x_{10}x_5x_4 -$$
$$524288u_5u_2^{24}u_1^{19}x_{10}x_5 + 1048576u_6u_2^{22}u_1^{20}x_{10}x_4x_1 -$$
$$2097152u_6u_2^{22}u_1^{21}x_{10}x_4 - 262144u_6u_5u_2^{25}u_1^{18}x_{10} -$$
$$524288u_5u_2^{23}u_1^{19}x_5x_4x_1 - 131072u_5^2u_2^{26}u_1^{17}x_5 -$$
$$262144u_6u_5u_2^{24}u_1^{18}x_4x_1 +$$
$$(131072u_6u_5u_2^{26}u_1^{17} + 524288u_6u_2^{25}u_1^{19})x_4 - 262144u_6u_5^2u_2^{25}u_1^{18}$$

Reduced to zero.

2542. Creating S-polynomial from the pair (p_{33}, p_{101}).

Forming S-pol of p_{33} and p_{101}:

$$p_{601} = 128u_5u_2^{10}u_1^7x_{12} - 64u_2^{11}u_1^6x_{10}x_5 - 128u_6u_2^{10}u_1^7x_{10} +$$
$$32u_2^{12}u_1^5x_5x_4 - 32u_5u_2^{11}u_1^5x_5x_1 + 64u_6u_2^{11}u_1^6x_4$$

Reduced to zero.

2543. Creating S-polynomial from the pair (p_{33}, p_{102}).

Forming S-pol of p_{33} and p_{102}:

$$p_{602} = -1024u_2^{19}u_1^{10}x_{10}x_5 + (4096u_2^{16}u_1^{12} - 2048u_2^{16}u_1^{11})x_5x_4x_1 +$$
$$(512u_2^{20}u_1^9 - 2048u_2^{18}u_1^{11})x_5x_4 - 512u_5u_2^{19}u_1^9x_5x_1 +$$
$$1024u_5u_2^{19}u_1^{10}x_5 + 2048u_6u_2^{17}u_1^{11}x_4x_1 - 2048u_6u_2^{17}u_1^{11}x_4$$

S-pol added.

2544. Creating S-polynomial from the pair (p_{33}, p_{103}).

Forming S-pol of p_{33} and p_{103}: Polynomial too big for output (text size is 2098 characters, number of terms is 27)

Reduced to zero.

2545. Creating S-polynomial from the pair (p_{33}, p_{104}).

Skipping pair p_{33} and p_{104} because gcd of their leading monoms is zero.

2546. Creating S-polynomial from the pair (p_{33}, p_{105}).

Skipping pair p_{33} and p_{105} because gcd of their leading monoms is zero.

2547. Creating S-polynomial from the pair (p_{33}, p_{106}).

Skipping pair p_{33} and p_{106} because gcd of their leading monoms is zero.

2548. Creating S-polynomial from the pair (p_{34}, p_{35}).

Skipping pair p_{34} and p_{35} because gcd of their leading monoms is zero.

2549. Creating S-polynomial from the pair (p_{34}, p_{36}).

Skipping pair p_{34} and p_{36} because gcd of their leading monoms is zero.

2550. Creating S-polynomial from the pair (p_{34}, p_{37}).

Forming S-pol of p_{34} and p_{37}:

$$p_{603} = 16384u_3^{13}u_2^{13}u_1^{14}x_{12}x_6x_5 + 8192u_5u_3^{13}u_2^{13}u_1^{13}x_{12}x_5x_2 -$$
$$16384u_5u_3^{13}u_2^{13}u_1^{14}x_{12}x_5 - 8192u_6u_3^{13}u_2^{13}u_1^{13}x_{12}x_4x_2 +$$
$$16384u_6u_3^{13}u_2^{13}u_1^{14}x_{12}x_4 - 16384u_3^{13}u_2^{13}u_1^{14}x_{10}x_8x_5 -$$
$$8192u_5u_3^{13}u_2^{13}u_1^{13}x_8x_5x_1 + 16384u_5u_3^{13}u_2^{13}u_1^{14}x_8x_5 +$$
$$8192u_6u_3^{13}u_2^{13}u_1^{13}x_8x_4x_1 - 16384u_6u_3^{13}u_2^{13}u_1^{14}x_8x_4$$

Reduced to zero.

2551. Creating S-polynomial from the pair (p_{34}, p_{38}).

Skipping pair p_{34} and p_{38} because gcd of their leading monoms is zero.

2552. Creating S-polynomial from the pair (p_{34}, p_{39}).

Skipping pair p_{34} and p_{39} because gcd of their leading monoms is zero.

2553. Creating S-polynomial from the pair (p_{34}, p_{40}).

Forming S-pol of p_{34} and p_{40}:

$$p_{604} = -16384u_4^{13}u_2^{13}u_1^{14}x_{16}x_{10}x_5 - 8192u_5u_4^{13}u_2^{13}u_1^{13}x_{16}x_5x_1 +$$
$$16384u_5u_4^{13}u_2^{13}u_1^{14}x_{16}x_5 + 8192u_6u_4^{13}u_2^{13}u_1^{13}x_{16}x_4x_1 -$$
$$16384u_6u_4^{13}u_2^{13}u_1^{14}x_{16}x_4 + 16384u_4^{13}u_2^{13}u_1^{14}x_{14}x_{12}x_5 +$$
$$8192u_5u_4^{13}u_2^{13}u_1^{13}x_{12}x_5x_3 - 16384u_5u_4^{13}u_2^{13}u_1^{14}x_{12}x_5 -$$
$$8192u_6u_4^{13}u_2^{13}u_1^{13}x_{12}x_4x_3 + 16384u_6u_4^{13}u_2^{13}u_1^{14}x_{12}x_4$$

Reduced to zero.

2554. Creating S-polynomial from the pair (p_{34}, p_{41}).

Forming S-pol of p_{34} and p_{41}:

$$p_{605} = -16384u_6u_3^{12}u_2^{13}u_1^{14}x_{12}x_6x_4 - 8192u_5u_3^{13}u_2^{13}u_1^{13}x_{12}x_5x_4 +$$
$$16384u_6u_3^{13}u_2^{13}u_1^{14}x_{12}x_4 - 8192u_6u_5^2u_3^{13}u_2^{13}u_1^{13}x_{12} +$$
$$16384u_5u_3^{12}u_2^{13}u_1^{14}x_{10}x_8x_5 + 8192u_5^2u_3^{12}u_2^{13}u_1^{13}x_8x_5x_1 -$$
$$16384u_5^2u_3^{12}u_2^{13}u_1^{14}x_8x_5 - 8192u_6u_5u_3^{12}u_2^{13}u_1^{13}x_8x_4x_1 +$$
$$16384u_6u_5u_3^{12}u_2^{13}u_1^{14}x_8x_4$$

Reduced to zero.

2555. Creating S-polynomial from the pair (p_{34}, p_{42}).

Forming S-pol of p_{34} and p_{42}:

$$p_{606} = 16384u_5u_2^{25}u_1^{14}x_{10}x_5x_4 - 16384u_6u_2^{25}u_1^{14}x_{10}x_4^2 -$$
$$8192u_5u_2^{26}u_1^{13}x_5x_4^2 + 8192u_5^2u_2^{25}u_1^{13}x_5x_4x_1 -$$
$$16384u_5^2u_2^{25}u_1^{14}x_5x_4 - 8192u_6u_5u_2^{25}u_1^{13}x_4^2x_1 +$$
$$(16384u_6u_5u_2^{25}u_1^{14} + 16384u_6u_2^{26}u_1^{14})x_4^2 - 8192u_6u_5^2u_2^{26}u_1^{13}x_4$$

Reduced to zero.

2556. Creating S-polynomial from the pair (p_{34}, p_{43}).

Forming S-pol of p_{34} and p_{43}:

$$p_{607} = 16384u_5u_4^{12}u_2^{13}u_1^{14}x_{16}x_{10}x_5 + 8192u_5^2u_4^{12}u_2^{13}u_1^{13}x_{16}x_5x_1 -$$
$$16384u_5^2u_4^{12}u_2^{13}u_1^{14}x_{16}x_5 - 8192u_6u_5u_4^{12}u_2^{13}u_1^{13}x_{16}x_4x_1 +$$
$$16384u_6u_5u_4^{12}u_2^{13}u_1^{14}x_{16}x_4 - 16384u_6u_4^{12}u_2^{13}u_1^{14}x_{14}x_{12}x_4 -$$
$$8192u_5u_4^{13}u_2^{13}u_1^{13}x_{12}x_5x_4 + 16384u_6u_4^{13}u_2^{13}u_1^{14}x_{12}x_4 -$$
$$8192u_6u_5^2u_4^{13}u_2^{13}u_1^{13}x_{12}$$

Reduced to zero.

2557. Creating S-polynomial from the pair (p_{34}, p_{44}).

Skipping pair p_{34} and p_{44} because gcd of their leading monoms is zero.

2558. Creating S-polynomial from the pair (p_{34}, p_{45}).

Skipping pair p_{34} and p_{45} because gcd of their leading monoms is zero.

2559. Creating S-polynomial from the pair (p_{34}, p_{46}).

Skipping pair p_{34} and p_{46} because gcd of their leading monoms is zero.

2560. Creating S-polynomial from the pair (p_{34}, p_{47}).

Forming S-pol of p_{34} and p_{47}: Polynomial too big for output (text size is 1644 characters, number of terms is 17)

Reduced to zero.

2561. Creating S-polynomial from the pair (p_{34}, p_{48}).

Skipping pair p_{34} and p_{48} because gcd of their leading monoms is zero.

2562. Creating S-polynomial from the pair (p_{34}, p_{49}).

Skipping pair p_{34} and p_{49} because gcd of their leading monoms is zero.

2563. Creating S-polynomial from the pair (p_{34}, p_{50}).

Skipping pair p_{34} and p_{50} because gcd of their leading monoms is zero.

2564. Creating S-polynomial from the pair (p_{34}, p_{51}).

Skipping pair p_{34} and p_{51} because gcd of their leading monoms is zero.

2565. Creating S-polynomial from the pair (p_{34}, p_{52}).

Forming S-pol of p_{34} and p_{52}: Polynomial too big for output (text size is 1425 characters, number of terms is 16)

Reduced to zero.

2566. Creating S-polynomial from the pair (p_{34}, p_{53}).

Skipping pair p_{34} and p_{53} because gcd of their leading monoms is zero.

2567. Creating S-polynomial from the pair (p_{34}, p_{54}).

Skipping pair p_{34} and p_{54} because gcd of their leading monoms is zero.

2568. Creating S-polynomial from the pair (p_{34}, p_{55}).

Forming S-pol of p_{34} and p_{55}:

$$p_{608} = 262144u_2^{25}u_1^{18}x_{12}x_4^2 + (-32768u_5u_2^{28}u_1^{15} + 524288u_5u_2^{24}u_1^{19})x_{12}x_4+$$
$$(-131072u_2^{26}u_1^{17} - 524288u_2^{24}u_1^{19})x_{10}^2x_5 + 65536u_2^{27}u_1^{16}x_{10}x_5x_4+$$
$$(-65536u_5u_2^{26}u_1^{16} - 262144u_5u_2^{24}u_1^{18})x_{10}x_5x_1+$$
$$(131072u_5u_2^{26}u_1^{17} + 524288u_5u_2^{24}u_1^{19})x_{10}x_5+$$
$$(65536u_6u_2^{26}u_1^{16} + 262144u_6u_2^{24}u_1^{18})x_{10}x_4x_1+$$
$$(-131072u_6u_2^{26}u_1^{17} - 524288u_6u_2^{24}u_1^{19})x_{10}x_4-$$
$$131072u_5u_2^{25}u_1^{17}x_5x_4x_1 + 16384u_5u_2^{29}u_1^{14}x_5x_4-$$
$$32768u_6u_2^{27}u_1^{15}x_4^2x_1 + 65536u_6u_2^{27}u_1^{16}x_4^2+$$
$$(-16384u_6u_5u_2^{28}u_1^{14} - 65536u_6u_5u_2^{26}u_1^{16})x_4x_1$$

Reduced to zero.

2569. Creating S-polynomial from the pair (p_{34}, p_{56}).

Skipping pair p_{34} and p_{56} because gcd of their leading monoms is zero.

2570. Creating S-polynomial from the pair (p_{34}, p_{57}).

Forming S-pol of p_{34} and p_{57}: Polynomial too big for output (text size is 1300 characters, number of terms is 16)

S-pol added.

2571. Creating S-polynomial from the pair (p_{34}, p_{58}).

Forming S-pol of p_{34} and p_{58}:

$$p_{609} = -8192u_2^{20}u_1^{13}x_{12}x_4^2 - 16384u_5u_2^{19}u_1^{14}x_{12}x_4+$$
$$16384u_2^{19}u_1^{14}x_{10}^2x_5 + 8192u_5u_2^{19}u_1^{13}x_{10}x_5x_1-$$
$$16384u_5u_2^{19}u_1^{14}x_{10}x_5 - 8192u_6u_2^{19}u_1^{13}x_{10}x_4x_1+$$
$$(4096u_6u_2^{21}u_1^{12} + 16384u_6u_2^{19}u_1^{14})x_{10}x_4 + 4096u_5u_2^{20}u_1^{12}x_5x_4x_1-$$
$$2048u_6u_2^{22}u_1^{11}x_4^2 + 2048u_6u_5u_2^{21}u_1^{11}x_4x_1$$

Reduced to zero.

2572. Creating S-polynomial from the pair (p_{34}, p_{59}).

Forming S-pol of p_{34} and p_{59}:

$$p_{610} = 16384u_2^{26}u_1^{14}x_{12}x_4^2 - 8192u_5u_2^{27}u_1^{13}x_{12}x_4+$$
$$(-32768u_2^{25}u_1^{15} - 131072u_2^{23}u_1^{17})x_{10}^2x_5 + 65536u_2^{24}u_1^{16}x_{10}x_5x_4+$$
$$(-16384u_5u_2^{25}u_1^{14} - 65536u_5u_2^{23}u_1^{16})x_{10}x_5x_1+$$
$$(32768u_5u_2^{25}u_1^{15} + 131072u_5u_2^{23}u_1^{17})x_{10}x_5+$$
$$(16384u_6u_2^{25}u_1^{14} + 65536u_6u_2^{23}u_1^{16})x_{10}x_4x_1 - 32768u_6u_2^{25}u_1^{15}x_{10}x_4-$$
$$8192u_5u_2^{26}u_1^{13}x_5x_4x_1+$$
$$(4096u_5u_2^{28}u_1^{12} + 16384u_5u_2^{26}u_1^{14})x_5x_4 - 32768u_6u_2^{24}u_1^{15}x_4^2x_1+$$
$$(-4096u_6u_5u_2^{27}u_1^{12} - 16384u_6u_5u_2^{25}u_1^{14})x_4x_1$$

Reduced to zero.

2573. Creating S-polynomial from the pair (p_{34}, p_{60}).

Forming S-pol of p_{34} and p_{60}:

$$p_{611} = (-2048u_2^{23}u_1^{11} - 8192u_2^{21}u_1^{13})x_{12}x_{10}x_5+$$
$$(1024u_2^{24}u_1^{10} + 4096u_2^{22}u_1^{12})x_{12}x_5x_4+$$
$$(-1024u_5u_2^{23}u_1^{10} - 4096u_5u_2^{21}u_1^{12})x_{12}x_5x_1+$$
$$(2048u_5u_2^{23}u_1^{11} + 8192u_5u_2^{21}u_1^{13})x_{12}x_5+$$
$$(1024u_6u_2^{23}u_1^{10} + 4096u_6u_2^{21}u_1^{12})x_{12}x_4x_1+$$
$$(-512u_6u_2^{25}u_1^{9} - 2048u_6u_2^{23}u_1^{11})x_{12}x_4+$$
$$(-512u_6u_2^{24}u_1^{9} - 2048u_6u_2^{22}u_1^{11})x_5x_4x_1+$$
$$(256u_6u_2^{26}u_1^{8} + 1024u_6u_2^{24}u_1^{10})x_5x_4+$$
$$(-256u_6^2u_2^{25}u_1^{8} - 1024u_6^2u_2^{23}u_1^{10})x_4x_1$$

Reduced to zero.

2574. Creating S-polynomial from the pair (p_{34}, p_{61}).

Forming S-pol of p_{34} and p_{61}:

$$p_{612} = 4096u_5u_2^{21}u_1^{12}x_{12}x_4 + 16384u_2^{19}u_1^{14}x_{10}^2x_5-$$
$$8192u_2^{20}u_1^{13}x_{10}x_5x_4 + 8192u_5u_2^{19}u_1^{13}x_{10}x_5x_1-$$
$$16384u_5u_2^{19}u_1^{14}x_{10}x_5 - 8192u_6u_2^{19}u_1^{13}x_{10}x_4x_1-$$
$$2048u_5u_2^{22}u_1^{11}x_5x_4 + 4096u_6u_2^{20}u_1^{12}x_4^2x_1+$$
$$2048u_6u_5u_2^{21}u_1^{11}x_4x_1$$

Reduced to zero.

2575. Creating S-polynomial from the pair (p_{34}, p_{62}).

Forming S-pol of p_{34} and p_{62}: Polynomial too big for output (text size is 1129 characters, number of terms is 16)

S-pol added.

2576. Creating S-polynomial from the pair (p_{34}, p_{63}).

Forming S-pol of p_{34} and p_{63}:

$$p_{613} = 1024u_2^{17}u_1^{10}x_{12}x_{10}x_5 - 512u_2^{18}u_1^{9}x_{12}x_5x_4+$$
$$512u_5u_2^{17}u_1^{9}x_{12}x_5x_1 - 1024u_5u_2^{17}u_1^{10}x_{12}x_5-$$
$$512u_6u_2^{17}u_1^{9}x_{12}x_4x_1 + 256u_6u_2^{19}u_1^{8}x_{12}x_4+$$
$$256u_6u_2^{18}u_1^{8}x_5x_4x_1 - 128u_6u_2^{20}u_1^{7}x_5x_4+$$
$$128u_6^2u_2^{19}u_1^{7}x_4x_1$$

Reduced to zero.

2577. Creating S-polynomial from the pair (p_{34}, p_{64}).

Skipping pair p_{34} and p_{64} because gcd of their leading monoms is zero.

2578. Creating S-polynomial from the pair (p_{34}, p_{65}).

Skipping pair p_{34} and p_{65} because gcd of their leading monoms is zero.

2579. Creating S-polynomial from the pair (p_{34}, p_{66}).

Skipping pair p_{34} and p_{66} because gcd of their leading monoms is zero.

2580. Creating S-polynomial from the pair (p_{34}, p_{67}).

Forming S-pol of p_{34} and p_{67}: Polynomial too big for output (text size is 1659 characters, number of terms is 17)

Reduced to zero.

2581. Creating S-polynomial from the pair (p_{34}, p_{68}).

Skipping pair p_{34} and p_{68} because gcd of their leading monoms is zero.

2582. Creating S-polynomial from the pair (p_{34}, p_{69}).

Skipping pair p_{34} and p_{69} because gcd of their leading monoms is zero.

2583. Creating S-polynomial from the pair (p_{34}, p_{70}).

Skipping pair p_{34} and p_{70} because gcd of their leading monoms is zero.

2584. Creating S-polynomial from the pair (p_{34}, p_{71}).

Skipping pair p_{34} and p_{71} because gcd of their leading monoms is zero.

2585. Creating S-polynomial from the pair (p_{34}, p_{72}).

Forming S-pol of p_{34} and p_{72}: Polynomial too big for output (text size is 1435 characters, number of terms is 16)

Reduced to zero.

2586. Creating S-polynomial from the pair (p_{34}, p_{73}).

Skipping pair p_{34} and p_{73} because gcd of their leading monoms is zero.

2587. Creating S-polynomial from the pair (p_{34}, p_{74}).

Forming S-pol of p_{34} and p_{74}:

$$p_{614} = -65536u_5u_2^{23}u_1^{16}x_{10}x_5 + 65536u_6u_2^{23}u_1^{16}x_{10}x_4+$$
$$32768u_5u_2^{24}u_1^{15}x_5x_4 - 32768u_5^2u_2^{23}u_1^{15}x_5x_1+$$
$$65536u_5^2u_2^{23}u_1^{16}x_5 - 32768u_6u_2^{24}u_1^{15}x_4^2+$$
$$32768u_6u_5u_2^{23}u_1^{15}x_4x_1 - 65536u_6u_5u_2^{23}u_1^{16}x_4$$

Reduced to zero.

2588. Creating S-polynomial from the pair (p_{34}, p_{75}).

Skipping pair p_{34} and p_{75} because gcd of their leading monoms is zero.

2589. Creating S-polynomial from the pair (p_{34}, p_{76}).

Forming S-pol of p_{34} and p_{76}:

$$p_{615} = 33554432u_5u_2^{32}u_1^{25}x_{12}x_4^2 + 16777216u_5^2u_2^{33}u_1^{24}x_{12}x_4+$$
$$67108864u_5u_2^{31}u_1^{26}x_{10}^2x_5 - 67108864u_6u_2^{31}u_1^{26}x_{10}^2x_4-$$
$$33554432u_5u_2^{32}u_1^{25}x_{10}x_5x_4 + 33554432u_5^2u_2^{31}u_1^{25}x_{10}x_5x_1-$$
$$67108864u_5^2u_2^{31}u_1^{26}x_{10}x_5 - 33554432u_6u_5u_2^{31}u_1^{25}x_{10}x_4x_1+$$
$$(-16777216u_6u_5u_2^{33}u_1^{24} + 67108864u_6u_5u_2^{31}u_1^{26})x_{10}x_4-$$
$$16777216u_5u_2^{33}u_1^{24}x_5x_4^2 - 8388608u_5^2u_2^{34}u_1^{23}x_5x_4+$$
$$(8388608u_6u_5u_2^{34}u_1^{23} + 33554432u_6u_2^{33}u_1^{25})x_4^2-$$
$$16777216u_6u_5^2u_2^{33}u_1^{24}x_4$$

Reduced to zero.

2590. Creating S-polynomial from the pair (p_{34}, p_{77}).

Forming S-pol of p_{34} and p_{77}:

$$p_{616} = 8192u_5u_2^{21}u_1^{13}x_{12}x_4 + 32768u_2^{19}u_1^{15}x_{10}^2x_5-$$
$$16384u_2^{20}u_1^{14}x_{10}x_5x_4 + 16384u_5u_2^{19}u_1^{14}x_{10}x_5x_1-$$
$$32768u_5u_2^{19}u_1^{15}x_{10}x_5 - 16384u_6u_2^{19}u_1^{14}x_{10}x_4x_1-$$
$$4096u_5u_2^{22}u_1^{12}x_5x_4 + 8192u_6u_2^{20}u_1^{13}x_4^2x_1+$$
$$4096u_6u_5u_2^{21}u_1^{12}x_4x_1$$

Reduced to zero.

2591. Creating S-polynomial from the pair (p_{34}, p_{78}).

Forming S-pol of p_{34} and p_{78}:

$$p_{617} = -16384u_2^{20}u_1^{14}x_{12}x_4^2 - 32768u_5u_2^{19}u_1^{15}x_{12}x_4+$$
$$32768u_2^{19}u_1^{15}x_{10}^2x_5 + 16384u_5u_2^{19}u_1^{14}x_{10}x_5x_1-$$
$$32768u_5u_2^{19}u_1^{15}x_{10}x_5 - 16384u_6u_2^{19}u_1^{14}x_{10}x_4x_1+$$
$$(8192u_6u_2^{21}u_1^{13} + 32768u_6u_2^{19}u_1^{15})x_{10}x_4 + 8192u_5u_2^{20}u_1^{13}x_5x_4x_1-$$
$$4096u_6u_2^{22}u_1^{12}x_4^2 + 4096u_6u_5u_2^{21}u_1^{12}x_4x_1$$

Reduced to zero.

2592. Creating S-polynomial from the pair (p_{34}, p_{79}).

Forming S-pol of p_{34} and p_{79}:

$$p_{618} = 131072u_2^{25}u_1^{17}x_{10}x_5x_4 + (-262144u_2^{24}u_1^{18} + 131072u_2^{24}u_1^{17})x_5x_4^2x_1+$$
$$(131072u_2^{26}u_1^{17} - 65536u_2^{26}u_1^{16})x_5x_4^2 + 65536u_5u_2^{25}u_1^{16}x_5x_4x_1-$$
$$131072u_5u_2^{25}u_1^{17}x_5x_4 - 131072u_6u_2^{25}u_1^{17}x_4^2x_1+$$
$$131072u_6u_2^{25}u_1^{17}x_4^2$$

S-pol added.

2593. Creating S-polynomial from the pair (p_{34}, p_{80}).

Forming S-pol of p_{34} and p_{80}:

$$p_{619} = 1024u_2^{19}u_1^{10}x_{10}x_5 - 512u_2^{20}u_1^9x_5x_4 + 512u_5u_2^{19}u_1^9x_5x_1 - 1024u_5u_2^{19}u_1^{10}x_5$$

Reduced to zero.

2594. Creating S-polynomial from the pair (p_{34}, p_{81}).

Skipping pair p_{34} and p_{81} because gcd of their leading monoms is zero.

2595. Creating S-polynomial from the pair (p_{34}, p_{82}).

Skipping pair p_{34} and p_{82} because gcd of their leading monoms is zero.

2596. Creating S-polynomial from the pair (p_{34}, p_{83}).

Skipping pair p_{34} and p_{83} because gcd of their leading monoms is zero.

2597. Creating S-polynomial from the pair (p_{34}, p_{84}).

Skipping pair p_{34} and p_{84} because gcd of their leading monoms is zero.

2598. Creating S-polynomial from the pair (p_{34}, p_{85}).

Skipping pair p_{34} and p_{85} because gcd of their leading monoms is zero.

2599. Creating S-polynomial from the pair (p_{34}, p_{86}).

Forming S-pol of p_{34} and p_{86}: Polynomial too big for output (text size is 1027 characters, number of terms is 12)

S-pol added.

2600. Creating S-polynomial from the pair (p_{34}, p_{87}).

Skipping pair p_{34} and p_{87} because gcd of their leading monoms is zero.

2601. Creating S-polynomial from the pair (p_{34}, p_{88}).

Skipping pair p_{34} and p_{88} because gcd of their leading monoms is zero.

2602. Creating S-polynomial from the pair (p_{34}, p_{89}).

Skipping pair p_{34} and p_{89} because gcd of their leading monoms is zero.

2603. Creating S-polynomial from the pair (p_{34}, p_{90}).

Skipping pair p_{34} and p_{90} because gcd of their leading monoms is zero.

2604. Creating S-polynomial from the pair (p_{34}, p_{91}).

Skipping pair p_{34} and p_{91} because gcd of their leading monoms is zero.

2605. Creating S-polynomial from the pair (p_{34}, p_{92}).

Skipping pair p_{34} and p_{92} because gcd of their leading monoms is zero.

2606. Creating S-polynomial from the pair (p_{34}, p_{93}).

Forming S-pol of p_{34} and p_{93}: Polynomial too big for output (text size is 1033 characters, number of terms is 12)

S-pol added.

2607. Creating S-polynomial from the pair (p_{34}, p_{94}).

Skipping pair p_{34} and p_{94} because gcd of their leading monoms is zero.

2608. Creating S-polynomial from the pair (p_{34}, p_{95}).

Forming S-pol of p_{34} and p_{95}: Polynomial too big for output (text size is 1107 characters, number of terms is 16)

Reduced to zero.

2609. Creating S-polynomial from the pair (p_{34}, p_{96}).

Forming S-pol of p_{34} and p_{96}:

$$p_{620} = -4096u_5u_3^4u_2^{13}u_1^{12}x_{12}x_8 + 2048u_3^5u_2^{13}u_1^{11}x_{12}x_6x_5+$$
$$4096u_6u_3^4u_2^{13}u_1^{12}x_{12}x_6 + 1024u_5u_3^5u_2^{13}u_1^{10}x_{12}x_5x_2-$$
$$1024u_6u_3^5u_2^{13}u_1^{10}x_{12}x_4x_2 - 2048u_3^5u_2^{13}u_1^{11}x_{10}x_8x_5-$$
$$1024u_5u_3^5u_2^{13}u_1^{10}x_8x_5x_1 + 2048u_5u_3^5u_2^{13}u_1^{11}x_8x_5+$$
$$1024u_6u_3^5u_2^{13}u_1^{10}x_8x_4x_1 - 2048u_6u_3^5u_2^{13}u_1^{11}x_8x_4$$

Reduced to zero.

2610. Creating S-polynomial from the pair (p_{34}, p_{97}).

Forming S-pol of p_{34} and p_{97}:

$$p_{621} = 32768u_3^{13}u_2^{13}u_1^{15}x_{12}x_6x_5+$$
$$(-131072u_3^{10}u_2^{13}u_1^{17} + 65536u_3^{10}u_2^{13}u_1^{16})x_{12}x_5x_4x_2+$$
$$65536u_3^{12}u_2^{13}u_1^{16}x_{12}x_5x_4 + 16384u_5u_3^{13}u_2^{13}u_1^{14}x_{12}x_5x_2-$$
$$32768u_5u_3^{13}u_2^{13}u_1^{15}x_{12}x_5+$$
$$(-16384u_6u_3^{13}u_2^{13}u_1^{14} - 65536u_6u_3^{11}u_2^{13}u_1^{16})x_{12}x_4x_2+$$
$$(32768u_6u_3^{13}u_2^{13}u_1^{15} + 65536u_6u_3^{11}u_2^{13}u_1^{16})x_{12}x_4-$$
$$32768u_3^{13}u_2^{13}u_1^{15}x_{10}x_8x_5 - 16384u_5u_3^{13}u_2^{13}u_1^{14}x_8x_5x_1+$$
$$32768u_5u_3^{13}u_2^{13}u_1^{15}x_8x_5 + 16384u_6u_3^{13}u_2^{13}u_1^{14}x_8x_4x_1-$$
$$32768u_6u_3^{13}u_2^{13}u_1^{15}x_8x_4$$

S-pol added.

2611. Creating S-polynomial from the pair (p_{34}, p_{98}).

Forming S-pol of p_{34} and p_{98}: Polynomial too big for output (text size is 2774 characters, number of terms is 31)

Reduced to zero.

2612. Creating S-polynomial from the pair (p_{34}, p_{99}).

Skipping pair p_{34} and p_{99} because gcd of their leading monoms is zero.

2613. Creating S-polynomial from the pair (p_{34}, p_{100}).

Forming S-pol of p_{34} and p_{100}:

$$p_{622} = -33554432u_5u_2^{30}u_1^{25}x_{12}x_{10}x_4+$$
$$(-67108864u_5u_2^{29}u_1^{26} - 67108864u_2^{30}u_1^{26})x_{12}x_4^2+$$
$$(-8388608u_5^2u_2^{32}u_1^{23} + 33554432u_5^2u_2^{30}u_1^{25})x_{12}x_4+$$
$$67108864u_2^{29}u_1^{26}x_{10}^2x_5 + 33554432u_6u_2^{30}u_1^{25}x_{10}^2x_4+$$
$$16777216u_5u_2^{31}u_1^{24}x_{10}x_5x_4 + 33554432u_5u_2^{29}u_1^{25}x_{10}x_5x_1-$$
$$67108864u_5u_2^{29}u_1^{26}x_{10}x_5 - 33554432u_6u_2^{29}u_1^{25}x_{10}x_4x_1+$$
$$(8388608u_6u_5u_2^{32}u_1^{23} + 67108864u_6u_2^{29}u_1^{26})x_{10}x_4+$$
$$16777216u_5u_2^{30}u_1^{24}x_5x_4^2x_1 + 4194304u_5^2u_2^{33}u_1^{22}x_5x_4+$$
$$8388608u_6u_5u_2^{31}u_1^{23}x_4^2x_1+$$
$$(-4194304u_6u_5u_2^{33}u_1^{22} - 16777216u_6u_2^{32}u_1^{24})x_4^2+$$
$$8388608u_6u_5^2u_2^{32}u_1^{23}x_4$$

S-pol added.

2614. Creating S-polynomial from the pair (p_{34}, p_{101}).

Forming S-pol of p_{34} and p_{101}:

$$p_{623} = -4096u_5u_2^{17}u_1^{12}x_{12}x_4 + 4096u_6u_2^{17}u_1^{12}x_{10}x_4+$$
$$2048u_5u_2^{18}u_1^{11}x_5x_4 - 2048u_6u_2^{18}u_1^{11}x_4^2$$

Reduced to zero.

2615. Creating S-polynomial from the pair (p_{34}, p_{102}).

Forming S-pol of p_{34} and p_{102}:

$$p_{624} = (-131072u_2^{23}u_1^{17} + 65536u_2^{23}u_1^{16})x_5x_4^2x_1 + 65536u_2^{25}u_1^{16}x_5x_4^2-$$
$$65536u_6u_2^{24}u_1^{16}x_4^2x_1 + 65536u_6u_2^{24}u_1^{16}x_4^2$$

S-pol added.

2616. Creating S-polynomial from the pair (p_{34}, p_{103}).

Forming S-pol of p_{34} and p_{103}: Polynomial too big for output (text size is 2785 characters, number of terms is 31)

Reduced to zero.

2617. Creating S-polynomial from the pair (p_{34}, p_{104}).

Forming S-pol of p_{34} and p_{104}: Polynomial too big for output (text size is 1124 characters, number of terms is 16)

Reduced to zero.

2618. Creating S-polynomial from the pair (p_{34}, p_{105}).

Forming S-pol of p_{34} and p_{105}:

$$p_{625} = -4096u_5u_4^4u_2^{13}u_1^{12}x_{16}x_{12} - 2048u_4^5u_2^{13}u_1^{11}x_{16}x_{10}x_5 -$$
$$1024u_5u_4^5u_2^{13}u_1^{10}x_{16}x_5x_1 + 2048u_5u_4^5u_2^{13}u_1^{11}x_{16}x_5 +$$
$$1024u_6u_4^5u_2^{13}u_1^{10}x_{16}x_4x_1 - 2048u_6u_4^5u_2^{13}u_1^{11}x_{16}x_4 +$$
$$2048u_4^5u_2^{13}u_1^{11}x_{14}x_{12}x_5 + 4096u_6u_4^4u_2^{13}u_1^{12}x_{14}x_{12} +$$
$$1024u_5u_4^5u_2^{13}u_1^{10}x_{12}x_5x_3 - 1024u_6u_4^5u_2^{13}u_1^{10}x_{12}x_4x_3$$

Reduced to zero.

2619. Creating S-polynomial from the pair (p_{34}, p_{106}).

Forming S-pol of p_{34} and p_{106}:

$$p_{626} = -32768u_4^{13}u_2^{13}u_1^{15}x_{16}x_{10}x_5 - 16384u_5u_4^{13}u_2^{13}u_1^{14}x_{16}x_5x_1 +$$
$$32768u_5u_4^{13}u_2^{13}u_1^{15}x_{16}x_5 + 16384u_6u_4^{13}u_2^{13}u_1^{14}x_{16}x_4x_1 -$$
$$32768u_6u_4^{13}u_2^{13}u_1^{15}x_{16}x_4 + 32768u_4^{13}u_2^{13}u_1^{15}x_{14}x_{12}x_5 +$$
$$(-131072u_4^{10}u_2^{13}u_1^{17} + 65536u_4^{10}u_2^{13}u_1^{16})x_{12}x_5x_4x_3 +$$
$$65536u_4^{12}u_2^{13}u_1^{16}x_{12}x_5x_4 + 16384u_5u_4^{13}u_2^{13}u_1^{14}x_{12}x_5x_3 -$$
$$32768u_5u_4^{13}u_2^{13}u_1^{15}x_{12}x_5 +$$
$$(-16384u_6u_4^{13}u_2^{13}u_1^{14} - 65536u_6u_4^{11}u_2^{13}u_1^{16})x_{12}x_4x_3 +$$
$$(32768u_6u_4^{13}u_2^{13}u_1^{15} + 65536u_6u_4^{11}u_2^{13}u_1^{16})x_{12}x_4$$

S-pol added.

2620. Creating S-polynomial from the pair (p_{35}, p_{36}).

Skipping pair p_{35} and p_{36} because gcd of their leading monoms is zero.

2621. Creating S-polynomial from the pair (p_{35}, p_{37}).

Skipping pair p_{35} and p_{37} because gcd of their leading monoms is zero.

2622. Creating S-polynomial from the pair (p_{35}, p_{38}).

Skipping pair p_{35} and p_{38} because gcd of their leading monoms is zero.

2623. Creating S-polynomial from the pair (p_{35}, p_{39}).

Skipping pair p_{35} and p_{39} because gcd of their leading monoms is zero.

2624. Creating S-polynomial from the pair (p_{35}, p_{40}).

Skipping pair p_{35} and p_{40} because gcd of their leading monoms is zero.

2625. Creating S-polynomial from the pair (p_{35}, p_{41}).

Skipping pair p_{35} and p_{41} because gcd of their leading monoms is zero.

2626. Creating S-polynomial from the pair (p_{35}, p_{42}).

Skipping pair p_{35} and p_{42} because gcd of their leading monoms is zero.

2627. Creating S-polynomial from the pair (p_{35}, p_{43}).
Skipping pair p_{35} and p_{43} because gcd of their leading monoms is zero.

2628. Creating S-polynomial from the pair (p_{35}, p_{44}).
Forming S-pol of p_{35} and p_{44}:

$$p_{627} = (-32u_5u_3^{16}u_1^5 - 128u_5u_3^{14}u_1^7)x_6x_2+$$
$$(16u_5u_3^{18}u_1^4 + 64u_5u_3^{16}u_1^6)x_6+$$
$$(16u_5u_3^{17}u_1^4 + 64u_5u_3^{15}u_1^6)x_4x_2+$$
$$(-8u_5u_3^{19}u_1^3 - 32u_5u_3^{17}u_1^5)x_4+$$
$$(8u_5^2u_3^{18}u_1^3 + 32u_5^2u_3^{16}u_1^5)x_2$$

Reduced to zero.

2629. Creating S-polynomial from the pair (p_{35}, p_{45}).
Forming S-pol of p_{35} and p_{45}:

$$p_{628} = 2048u_3^{20}u_1^{11}x_8x_4 + (-2048u_5u_3^{19}u_1^{11} - 8192u_5u_3^{17}u_1^{13})x_8x_2+$$
$$(1024u_5u_3^{21}u_1^{10} + 4096u_5u_3^{19}u_1^{12})x_8 - 2048u_3^{20}u_1^{11}x_6x_5+$$
$$4096u_5u_3^{18}u_1^{12}x_5x_2 - 512u_5u_3^{22}u_1^9x_5 + 1024u_6u_3^{20}u_1^{10}x_4x_2-$$
$$2048u_6u_3^{20}u_1^{11}x_4 + (512u_6u_5u_3^{21}u_1^9 + 2048u_6u_5u_3^{19}u_1^{11})x_2$$

Reduced to zero.

2630. Creating S-polynomial from the pair (p_{35}, p_{46}).
Forming S-pol of p_{35} and p_{46}:

$$p_{629} = 16u_5u_3^{10}u_1^4x_6x_2 - 8u_5u_3^{12}u_1^3x_6 - 8u_5u_3^{11}u_1^3x_4x_2+$$
$$4u_5u_3^{13}u_1^2x_4 - 4u_5^2u_3^{12}u_1^2x_2$$

Reduced to zero.

2631. Creating S-polynomial from the pair (p_{35}, p_{47}).
Forming S-pol of p_{35} and p_{47}:

$$p_{630} = (1048576u_3^{30}u_1^{20} + 4194304u_3^{28}u_1^{22})x_8x_4^2+$$
$$(-1048576u_5u_3^{29}u_1^{20} - 4194304u_5u_3^{27}u_1^{22})x_8x_4x_2+$$
$$(524288u_5u_3^{31}u_1^{19} + 2097152u_5u_3^{29}u_1^{21} - 8388608u_3^{28}u_1^{23})x_8x_4+$$
$$(-1048576u_5^2u_3^{30}u_1^{20} + 4194304u_5^2u_3^{28}u_1^{22})x_8-$$
$$2097152u_3^{29}u_1^{21}x_6^2x_5+$$
$$(-524288u_5u_3^{31}u_1^{19} + 2097152u_5u_3^{29}u_1^{21})x_6x_5 + 1048576u_6u_5u_3^{30}u_1^{20}x_6+$$
$$(-524288u_5u_3^{30}u_1^{19} + 2097152u_5u_3^{28}u_1^{21})x_5x_4x_2-$$
$$262144u_5^2u_3^{31}u_1^{18}x_5x_2 + 524288u_5^2u_3^{31}u_1^{19}x_5+$$
$$(262144u_6u_5u_3^{31}u_1^{18} + 1048576u_6u_5u_3^{29}u_1^{20} + 1048576u_6u_3^{30}u_1^{20})x_4x_2+$$
$$(-524288u_6u_5u_3^{31}u_1^{19} - 2097152u_6u_3^{30}u_1^{21})x_4-$$
$$524288u_6u_5^2u_3^{30}u_1^{19}x_2 + 1048576u_6u_5^2u_3^{30}u_1^{20}$$

Reduced to zero.

2632. Creating S-polynomial from the pair (p_{35}, p_{48}).
Forming S-pol of p_{35} and p_{48}:

$$p_{631} = 256u_5u_3^{12}u_1^8x_8x_2 - 128u_6u_3^{14}u_1^7x_6 - 128u_5u_3^{13}u_1^7x_5x_2+$$
$$64u_6u_3^{15}u_1^6x_4 - 64u_6u_5u_3^{14}u_1^6x_2$$

Reduced to zero.

2633. Creating S-polynomial from the pair (p_{35}, p_{49}).
Forming S-pol of p_{35} and p_{49}:

$$p_{632} = 2048u_3^{17}u_1^{11}x_8x_4 + (-512u_5u_3^{18}u_1^9 - 2048u_5u_3^{16}u_1^{11})x_8x_2+$$
$$(256u_5u_3^{20}u_1^8 + 1024u_5u_3^{18}u_1^{10} + 4096u_5u_3^{16}u_1^{12})x_8-$$
$$2048u_3^{17}u_1^{11}x_6x_5 - 4096u_6u_3^{16}u_1^{12}x_6 + 256u_5u_3^{19}u_1^8x_5x_2+$$
$$(-128u_5u_3^{21}u_1^7 - 512u_5u_3^{19}u_1^9)x_5 + 1024u_6u_3^{17}u_1^{10}x_4x_2+$$
$$(128u_6u_5u_3^{20}u_1^7 + 512u_6u_5u_3^{18}u_1^9)x_2$$

Reduced to zero.

2634. Creating S-polynomial from the pair (p_{35}, p_{50}).
Skipping pair p_{35} and p_{50} because gcd of their leading monoms is zero.

2635. Creating S-polynomial from the pair (p_{35}, p_{51}).
Forming S-pol of p_{35} and p_{51}:

$$p_{633} = -256u_3^{13}u_1^8x_8x_4 + 256u_5u_3^{12}u_1^8x_8x_2+$$
$$(-128u_5u_3^{14}u_1^7 - 512u_5u_3^{12}u_1^9)x_8 + 256u_3^{13}u_1^8x_6x_5+$$
$$512u_6u_3^{12}u_1^9x_6 + 64u_5u_3^{15}u_1^6x_5 - 128u_6u_3^{13}u_1^7x_4x_2-$$
$$64u_6u_5u_3^{14}u_1^6x_2$$

Reduced to zero.

2636. Creating S-polynomial from the pair (p_{35}, p_{52}).
Skipping pair p_{35} and p_{52} because gcd of their leading monoms is zero.

2637. Creating S-polynomial from the pair (p_{35}, p_{53}).
Skipping pair p_{35} and p_{53} because gcd of their leading monoms is zero.

2638. Creating S-polynomial from the pair (p_{35}, p_{54}).
Skipping pair p_{35} and p_{54} because gcd of their leading monoms is zero.

2639. Creating S-polynomial from the pair (p_{35}, p_{55}).
Skipping pair p_{35} and p_{55} because gcd of their leading monoms is zero.

2640. Creating S-polynomial from the pair (p_{35}, p_{56}).
Skipping pair p_{35} and p_{56} because gcd of their leading monoms is zero.

2641. Creating S-polynomial from the pair (p_{35}, p_{57}).
Skipping pair p_{35} and p_{57} because gcd of their leading monoms is zero.

2642. Creating S-polynomial from the pair (p_{35}, p_{58}).
Skipping pair p_{35} and p_{58} because gcd of their leading monoms is zero.

2643. Creating S-polynomial from the pair (p_{35}, p_{59}).
Skipping pair p_{35} and p_{59} because gcd of their leading monoms is zero.

2644. Creating S-polynomial from the pair (p_{35}, p_{60}).
Skipping pair p_{35} and p_{60} because gcd of their leading monoms is zero.

2645. Creating S-polynomial from the pair (p_{35}, p_{61}).
Skipping pair p_{35} and p_{61} because gcd of their leading monoms is zero.

2646. Creating S-polynomial from the pair (p_{35}, p_{62}).
Skipping pair p_{35} and p_{62} because gcd of their leading monoms is zero.

2647. Creating S-polynomial from the pair (p_{35}, p_{63}).
Skipping pair p_{35} and p_{63} because gcd of their leading monoms is zero.

2648. Creating S-polynomial from the pair (p_{35}, p_{64}).
Skipping pair p_{35} and p_{64} because gcd of their leading monoms is zero.

2649. Creating S-polynomial from the pair (p_{35}, p_{65}).
Skipping pair p_{35} and p_{65} because gcd of their leading monoms is zero.

2650. Creating S-polynomial from the pair (p_{35}, p_{66}).
Skipping pair p_{35} and p_{66} because gcd of their leading monoms is zero.

2651. Creating S-polynomial from the pair (p_{35}, p_{67}).
Skipping pair p_{35} and p_{67} because gcd of their leading monoms is zero.

2652. Creating S-polynomial from the pair (p_{35}, p_{68}).
Skipping pair p_{35} and p_{68} because gcd of their leading monoms is zero.

2653. Creating S-polynomial from the pair (p_{35}, p_{69}).
Skipping pair p_{35} and p_{69} because gcd of their leading monoms is zero.

2654. Creating S-polynomial from the pair (p_{35}, p_{70}).
Skipping pair p_{35} and p_{70} because gcd of their leading monoms is zero.

2655. Creating S-polynomial from the pair (p_{35}, p_{71}).
Skipping pair p_{35} and p_{71} because gcd of their leading monoms is zero.

2656. Creating S-polynomial from the pair (p_{35}, p_{72}).
Skipping pair p_{35} and p_{72} because gcd of their leading monoms is zero.

2657. Creating S-polynomial from the pair (p_{35}, p_{73}).
Skipping pair p_{35} and p_{73} because gcd of their leading monoms is zero.

2658. Creating S-polynomial from the pair (p_{35}, p_{74}).
Skipping pair p_{35} and p_{74} because gcd of their leading monoms is zero.

2659. Creating S-polynomial from the pair (p_{35}, p_{75}).
Skipping pair p_{35} and p_{75} because gcd of their leading monoms is zero.

2660. Creating S-polynomial from the pair (p_{35}, p_{76}).
Skipping pair p_{35} and p_{76} because gcd of their leading monoms is zero.

2661. Creating S-polynomial from the pair (p_{35}, p_{77}).
Skipping pair p_{35} and p_{77} because gcd of their leading monoms is zero.

2662. Creating S-polynomial from the pair (p_{35}, p_{78}).
Skipping pair p_{35} and p_{78} because gcd of their leading monoms is zero.

2663. Creating S-polynomial from the pair (p_{35}, p_{79}).
Skipping pair p_{35} and p_{79} because gcd of their leading monoms is zero.

2664. Creating S-polynomial from the pair (p_{35}, p_{80}).
Skipping pair p_{35} and p_{80} because gcd of their leading monoms is zero.

2665. Creating S-polynomial from the pair (p_{35}, p_{81}).
Skipping pair p_{35} and p_{81} because gcd of their leading monoms is zero.

2666. Creating S-polynomial from the pair (p_{35}, p_{82}).
Forming S-pol of p_{35} and p_{82}:

$$p_{634} = 0$$

Reduced to zero.

2667. Creating S-polynomial from the pair (p_{35}, p_{83}).
Forming S-pol of p_{35} and p_{83}:

$$p_{635} = -2097152u_5u_3^{25}u_1^{20}x_8x_4 + 1048576u_5^2u_3^{24}u_1^{20}x_8x_2+$$
$$(-524288u_5^2u_3^{26}u_1^{19} - 2097152u_5^2u_3^{24}u_1^{21})x_8+$$
$$2097152u_6u_3^{24}u_1^{21}x_6^2 + 1048576u_5u_3^{25}u_1^{20}x_6x_5+$$
$$524288u_6u_5u_3^{26}u_1^{19}x_6 + 524288u_5u_3^{26}u_1^{19}x_5x_4+$$
$$262144u_5^2u_3^{27}u_1^{18}x_5+$$
$$(-262144u_6u_5u_3^{27}u_1^{18} - 1048576u_6u_3^{26}u_1^{20})x_4 + 524288u_6u_5^2u_3^{26}u_1^{19}$$

Reduced to zero.

2668. Creating S-polynomial from the pair (p_{35}, p_{84}).
Forming S-pol of p_{35} and p_{84}:

$$p_{636} = -512u_3^{13}u_1^9x_8x_4 + 512u_5u_3^{12}u_1^9x_8x_2+$$
$$(-256u_5u_3^{14}u_1^8 - 1024u_5u_3^{12}u_1^{10})x_8 + 512u_3^{13}u_1^9x_6x_5+$$
$$1024u_6u_3^{12}u_1^{10}x_6 + 128u_5u_3^{15}u_1^7x_5 - 256u_6u_3^{13}u_1^8x_4x_2-$$
$$128u_6u_5u_3^{14}u_1^7x_2$$

Reduced to zero.

2669. Creating S-polynomial from the pair (p_{35}, p_{85}).
Forming S-pol of p_{35} and p_{85}:

$$p_{637} = 512u_5u_3^{12}u_1^9x_8x_2 - 256u_6u_3^{14}u_1^8x_6 - 256u_5u_3^{13}u_1^8x_5x_2+$$
$$128u_6u_3^{15}u_1^7x_4 - 128u_6u_5u_3^{14}u_1^7x_2$$

Reduced to zero.

2670. Creating S-polynomial from the pair (p_{35}, p_{86}).
Skipping pair p_{35} and p_{86} because gcd of their leading monoms is zero.

2671. Creating S-polynomial from the pair (p_{35}, p_{87}).
Skipping pair p_{35} and p_{87} because gcd of their leading monoms is zero.

2672. Creating S-polynomial from the pair (p_{35}, p_{88}).
Skipping pair p_{35} and p_{88} because gcd of their leading monoms is zero.

2673. Creating S-polynomial from the pair (p_{35}, p_{89}).
Skipping pair p_{35} and p_{89} because gcd of their leading monoms is zero.

2674. Creating S-polynomial from the pair (p_{35}, p_{90}).
Skipping pair p_{35} and p_{90} because gcd of their leading monoms is zero.

2675. Creating S-polynomial from the pair (p_{35}, p_{91}).
Skipping pair p_{35} and p_{91} because gcd of their leading monoms is zero.

2676. Creating S-polynomial from the pair (p_{35}, p_{92}).
Skipping pair p_{35} and p_{92} because gcd of their leading monoms is zero.

2677. Creating S-polynomial from the pair (p_{35}, p_{93}).
Skipping pair p_{35} and p_{93} because gcd of their leading monoms is zero.

2678. Creating S-polynomial from the pair (p_{35}, p_{94}).
Skipping pair p_{35} and p_{94} because gcd of their leading monoms is zero.

2679. Creating S-polynomial from the pair (p_{35}, p_{95}).

Forming S-pol of p_{35} and p_{95}:

$$p_{638} = 1048576u_5u_3^{23}u_1^{20}x_8x_6 - 1048576u_3^{23}u_1^{20}x_8x_4^2+$$
$$1048576u_5u_3^{22}u_1^{20}x_8x_4x_2 + 2097152u_3^{23}u_1^{21}x_8x_4+$$
$$(262144u_5^2u_3^{25}u_1^{18} - 1048576u_5^2u_3^{23}u_1^{20})x_8 - 1048576u_6u_3^{23}u_1^{20}x_6^2-$$
$$524288u_5u_3^{24}u_1^{19}x_6x_5 - 262144u_6u_5u_3^{25}u_1^{18}x_6-$$
$$524288u_5u_3^{23}u_1^{19}x_5x_4x_2 - 131072u_5^2u_3^{26}u_1^{17}x_5-$$
$$262144u_6u_5u_3^{24}u_1^{18}x_4x_2+$$
$$(131072u_6u_5u_3^{26}u_1^{17} + 524288u_6u_3^{25}u_1^{19})x_4 - 262144u_6u_5^2u_3^{25}u_1^{18}$$

Reduced to zero.

2680. Creating S-polynomial from the pair (p_{35}, p_{96}).

Skipping pair p_{35} and p_{96} because gcd of their leading monoms is zero.

2681. Creating S-polynomial from the pair (p_{35}, p_{97}).

Skipping pair p_{35} and p_{97} because gcd of their leading monoms is zero.

2682. Creating S-polynomial from the pair (p_{35}, p_{98}).

Skipping pair p_{35} and p_{98} because gcd of their leading monoms is zero.

2683. Creating S-polynomial from the pair (p_{35}, p_{99}).

Skipping pair p_{35} and p_{99} because gcd of their leading monoms is zero.

2684. Creating S-polynomial from the pair (p_{35}, p_{100}).

Skipping pair p_{35} and p_{100} because gcd of their leading monoms is zero.

2685. Creating S-polynomial from the pair (p_{35}, p_{101}).

Skipping pair p_{35} and p_{101} because gcd of their leading monoms is zero.

2686. Creating S-polynomial from the pair (p_{35}, p_{102}).

Skipping pair p_{35} and p_{102} because gcd of their leading monoms is zero.

2687. Creating S-polynomial from the pair (p_{35}, p_{103}).

Skipping pair p_{35} and p_{103} because gcd of their leading monoms is zero.

2688. Creating S-polynomial from the pair (p_{35}, p_{104}).

Skipping pair p_{35} and p_{104} because gcd of their leading monoms is zero.

2689. Creating S-polynomial from the pair (p_{35}, p_{105}).

Skipping pair p_{35} and p_{105} because gcd of their leading monoms is zero.

2690. Creating S-polynomial from the pair (p_{35}, p_{106}).

Skipping pair p_{35} and p_{106} because gcd of their leading monoms is zero.

2691. Creating S-polynomial from the pair (p_{36}, p_{37}).
Forming S-pol of p_{36} and p_{37}:

$$p_{639} = -512u_3^{19}u_1^9x_6x_5 + 256u_3^{20}u_1^8x_5x_4 - 256u_5u_3^{19}u_1^8x_5x_2+$$
$$512u_5u_3^{19}u_1^9x_5$$

Reduced to zero.

2692. Creating S-polynomial from the pair (p_{36}, p_{38}).
Skipping pair p_{36} and p_{38} because gcd of their leading monoms is zero.

2693. Creating S-polynomial from the pair (p_{36}, p_{39}).
Skipping pair p_{36} and p_{39} because gcd of their leading monoms is zero.

2694. Creating S-polynomial from the pair (p_{36}, p_{40}).
Skipping pair p_{36} and p_{40} because gcd of their leading monoms is zero.

2695. Creating S-polynomial from the pair (p_{36}, p_{41}).
Forming S-pol of p_{36} and p_{41}:

$$p_{640} = 512u_6u_3^{18}u_1^9x_6x_4 + 256u_6u_5u_3^{18}u_1^8x_4x_2+$$
$$(-512u_6u_5u_3^{18}u_1^9 - 512u_6u_3^{19}u_1^9)x_4 + 256u_6u_5^2u_3^{19}u_1^8$$

Reduced to zero.

2696. Creating S-polynomial from the pair (p_{36}, p_{42}).
Skipping pair p_{36} and p_{42} because gcd of their leading monoms is zero.

2697. Creating S-polynomial from the pair (p_{36}, p_{43}).
Skipping pair p_{36} and p_{43} because gcd of their leading monoms is zero.

2698. Creating S-polynomial from the pair (p_{36}, p_{44}).
Skipping pair p_{36} and p_{44} because gcd of their leading monoms is zero.

2699. Creating S-polynomial from the pair (p_{36}, p_{45}).
Forming S-pol of p_{36} and p_{45}:

$$p_{641} = -8192u_3^{18}u_1^{13}x_8x_4+$$
$$(1024u_5u_3^{21}u_1^{10} - 16384u_5u_3^{17}u_1^{14})x_8 + 8192u_3^{18}u_1^{13}x_6x_5+$$
$$(-2048u_6u_3^{19}u_1^{11} - 8192u_6u_3^{17}u_1^{13})x_6x_2+$$
$$(4096u_6u_3^{19}u_1^{12} + 16384u_6u_3^{17}u_1^{14})x_6 + 4096u_5u_3^{18}u_1^{12}x_5x_2-$$
$$512u_5u_3^{22}u_1^9x_5 + 1024u_6u_3^{20}u_1^{10}x_4x_2 - 2048u_6u_3^{20}u_1^{11}x_4+$$
$$(512u_6u_5u_3^{21}u_1^9 + 2048u_6u_5u_3^{19}u_1^{11})x_2$$

Reduced to zero.

2700. Creating S-polynomial from the pair (p_{36}, p_{46}).
Skipping pair p_{36} and p_{46} because gcd of their leading monoms is zero.

2701. Creating S-polynomial from the pair (p_{36}, p_{47}).

Forming S-pol of p_{36} and p_{47}: Polynomial too big for output (text size is 1041 characters, number of terms is 15)

Reduced to zero.

2702. Creating S-polynomial from the pair (p_{36}, p_{48}).

Forming S-pol of p_{36} and p_{48}:

$$p_{642} = 256u_3^{13}u_1^8x_8x_4 + 512u_5u_3^{12}u_1^9x_8 - 256u_3^{13}u_1^8x_6x_5+$$
$$256u_6u_3^{12}u_1^8x_6x_2+$$
$$(-128u_6u_3^{14}u_1^7 - 512u_6u_3^{12}u_1^9)x_6 - 128u_5u_3^{13}u_1^7x_5x_2+$$
$$64u_6u_3^{15}u_1^6x_4 - 64u_6u_5u_3^{14}u_1^6x_2$$

Reduced to zero.

2703. Creating S-polynomial from the pair (p_{36}, p_{49}).

Forming S-pol of p_{36} and p_{49}:

$$p_{643} = -512u_3^{19}u_1^9x_8x_4 + 256u_5u_3^{20}u_1^8x_8 + 512u_3^{19}u_1^9x_6x_5+$$
$$(-512u_6u_3^{18}u_1^9 - 2048u_6u_3^{16}u_1^{11})x_6x_2 + 1024u_6u_3^{18}u_1^{10}x_6+$$
$$256u_5u_3^{19}u_1^8x_5x_2+$$
$$(-128u_5u_3^{21}u_1^7 - 512u_5u_3^{19}u_1^9)x_5 + 1024u_6u_3^{17}u_1^{10}x_4x_2+$$
$$(128u_6u_5u_3^{20}u_1^7 + 512u_6u_5u_3^{18}u_1^9)x_2$$

Reduced to zero.

2704. Creating S-polynomial from the pair (p_{36}, p_{50}).

Forming S-pol of p_{36} and p_{50}:

$$p_{644} = (-32u_6u_3^{16}u_1^5 - 128u_6u_3^{14}u_1^7)x_8x_2+$$
$$(16u_6u_3^{18}u_1^4 + 64u_6u_3^{16}u_1^6)x_8+$$
$$(16u_6u_3^{17}u_1^4 + 64u_6u_3^{15}u_1^6)x_5x_2+$$
$$(-8u_6u_3^{19}u_1^3 - 32u_6u_3^{17}u_1^5)x_5+$$
$$(8u_6^2u_3^{18}u_1^3 + 32u_6^2u_3^{16}u_1^5)x_2$$

Reduced to zero.

2705. Creating S-polynomial from the pair (p_{36}, p_{51}).

Forming S-pol of p_{36} and p_{51}:

$$p_{645} = -128u_5u_3^{14}u_1^7x_8 + 256u_6u_3^{12}u_1^8x_6x_2 + 64u_5u_3^{15}u_1^6x_5-$$
$$128u_6u_3^{13}u_1^7x_4x_2 - 64u_6u_5u_3^{14}u_1^6x_2$$

Reduced to zero.

2706. Creating S-polynomial from the pair (p_{36}, p_{52}).

Forming S-pol of p_{36} and p_{52}:

$$p_{646} = -8192u_3^{25}u_1^{13}x_8x_6x_5 + 4096u_3^{26}u_1^{12}x_8x_5x_4+$$
$$(-2048u_5u_3^{27}u_1^{11} + 8192u_5u_3^{25}u_1^{13})x_8x_5+$$
$$(-4096u_6u_3^{25}u_1^{12} - 16384u_6u_3^{23}u_1^{14})x_8x_4x_2+$$
$$(2048u_6u_3^{27}u_1^{11} + 8192u_6u_3^{25}u_1^{13})x_8x_4+$$
$$(2048u_6u_3^{26}u_1^{11} + 8192u_6u_3^{24}u_1^{13})x_5x_4x_2+$$
$$(-1024u_6u_3^{28}u_1^{10} - 4096u_6u_3^{26}u_1^{12})x_5x_4+$$
$$(-1024u_6u_5u_3^{27}u_1^{10} - 4096u_5u_3^{26}u_1^{12})x_5x_2 + 2048u_5u_3^{28}u_1^{11}x_5+$$
$$(1024u_6^2u_3^{27}u_1^{10} + 4096u_6^2u_3^{25}u_1^{12})x_4x_2+$$
$$2048u_6^2u_5u_3^{26}u_1^{11}x_2 - 1024u_6^2u_5u_3^{28}u_1^{10}$$

Reduced to zero.

2707. Creating S-polynomial from the pair (p_{36}, p_{53}).

Forming S-pol of p_{36} and p_{53}:

$$p_{647} = 16u_6u_3^{10}u_1^4x_8x_2 - 8u_6u_3^{12}u_1^3x_8 - 8u_6u_3^{11}u_1^3x_5x_2+$$
$$4u_6u_3^{13}u_1^2x_5 - 4u_6^2u_3^{12}u_1^2x_2$$

Reduced to zero.

2708. Creating S-polynomial from the pair (p_{36}, p_{54}).

Skipping pair p_{36} and p_{54} because gcd of their leading monoms is zero.

2709. Creating S-polynomial from the pair (p_{36}, p_{55}).

Skipping pair p_{36} and p_{55} because gcd of their leading monoms is zero.

2710. Creating S-polynomial from the pair (p_{36}, p_{56}).

Skipping pair p_{36} and p_{56} because gcd of their leading monoms is zero.

2711. Creating S-polynomial from the pair (p_{36}, p_{57}).

Skipping pair p_{36} and p_{57} because gcd of their leading monoms is zero.

2712. Creating S-polynomial from the pair (p_{36}, p_{58}).

Skipping pair p_{36} and p_{58} because gcd of their leading monoms is zero.

2713. Creating S-polynomial from the pair (p_{36}, p_{59}).

Skipping pair p_{36} and p_{59} because gcd of their leading monoms is zero.

2714. Creating S-polynomial from the pair (p_{36}, p_{60}).

Skipping pair p_{36} and p_{60} because gcd of their leading monoms is zero.

2715. Creating S-polynomial from the pair (p_{36}, p_{61}).

Skipping pair p_{36} and p_{61} because gcd of their leading monoms is zero.

2716. Creating S-polynomial from the pair (p_{36}, p_{62}).
Skipping pair p_{36} and p_{62} because gcd of their leading monoms is zero.

2717. Creating S-polynomial from the pair (p_{36}, p_{63}).
Skipping pair p_{36} and p_{63} because gcd of their leading monoms is zero.

2718. Creating S-polynomial from the pair (p_{36}, p_{64}).
Skipping pair p_{36} and p_{64} because gcd of their leading monoms is zero.

2719. Creating S-polynomial from the pair (p_{36}, p_{65}).
Skipping pair p_{36} and p_{65} because gcd of their leading monoms is zero.

2720. Creating S-polynomial from the pair (p_{36}, p_{66}).
Skipping pair p_{36} and p_{66} because gcd of their leading monoms is zero.

2721. Creating S-polynomial from the pair (p_{36}, p_{67}).
Skipping pair p_{36} and p_{67} because gcd of their leading monoms is zero.

2722. Creating S-polynomial from the pair (p_{36}, p_{68}).
Skipping pair p_{36} and p_{68} because gcd of their leading monoms is zero.

2723. Creating S-polynomial from the pair (p_{36}, p_{69}).
Skipping pair p_{36} and p_{69} because gcd of their leading monoms is zero.

2724. Creating S-polynomial from the pair (p_{36}, p_{70}).
Skipping pair p_{36} and p_{70} because gcd of their leading monoms is zero.

2725. Creating S-polynomial from the pair (p_{36}, p_{71}).
Skipping pair p_{36} and p_{71} because gcd of their leading monoms is zero.

2726. Creating S-polynomial from the pair (p_{36}, p_{72}).
Skipping pair p_{36} and p_{72} because gcd of their leading monoms is zero.

2727. Creating S-polynomial from the pair (p_{36}, p_{73}).
Skipping pair p_{36} and p_{73} because gcd of their leading monoms is zero.

2728. Creating S-polynomial from the pair (p_{36}, p_{74}).
Skipping pair p_{36} and p_{74} because gcd of their leading monoms is zero.

2729. Creating S-polynomial from the pair (p_{36}, p_{75}).
Skipping pair p_{36} and p_{75} because gcd of their leading monoms is zero.

2730. Creating S-polynomial from the pair (p_{36}, p_{76}).
Skipping pair p_{36} and p_{76} because gcd of their leading monoms is zero.

2731. Creating S-polynomial from the pair (p_{36}, p_{77}).
Skipping pair p_{36} and p_{77} because gcd of their leading monoms is zero.

2732. Creating S-polynomial from the pair (p_{36}, p_{78}).
Skipping pair p_{36} and p_{78} because gcd of their leading monoms is zero.

2733. Creating S-polynomial from the pair (p_{36}, p_{79}).
Skipping pair p_{36} and p_{79} because gcd of their leading monoms is zero.

2734. Creating S-polynomial from the pair (p_{36}, p_{80}).
Skipping pair p_{36} and p_{80} because gcd of their leading monoms is zero.

2735. Creating S-polynomial from the pair (p_{36}, p_{81}).
Forming S-pol of p_{36} and p_{81}:

$$p_{648} = -2048u_6u_3^{16}u_1^{11}x_6 + 1024u_6u_3^{17}u_1^{10}x_4 - 1024u_6u_5u_3^{16}u_1^{10}x_2 + 2048u_6u_5u_3^{16}u_1^{11}$$

Reduced to zero.

2736. Creating S-polynomial from the pair (p_{36}, p_{82}).
Skipping pair p_{36} and p_{82} because gcd of their leading monoms is zero.

2737. Creating S-polynomial from the pair (p_{36}, p_{83}).
Forming S-pol of p_{36} and p_{83}:

$$p_{649} = -1048576u_5u_3^{25}u_1^{20}x_8x_4 - 524288u_5^2u_3^{26}u_1^{19}x_8 + 2097152u_6u_3^{24}u_1^{21}x_6^2 + 1048576u_6u_5u_3^{24}u_1^{20}x_6x_2 + (524288u_6u_5u_3^{26}u_1^{19} - 2097152u_6u_5u_3^{24}u_1^{21})x_6 + 524288u_5u_3^{26}u_1^{19}x_5x_4 + 262144u_5^2u_3^{27}u_1^{18}x_5 + (-262144u_6u_5u_3^{27}u_1^{18} - 1048576u_6u_3^{26}u_1^{20})x_4 + 524288u_6u_5^2u_3^{26}u_1^{19}$$

Reduced to zero.

2738. Creating S-polynomial from the pair (p_{36}, p_{84}).
Forming S-pol of p_{36} and p_{84}:

$$p_{650} = -256u_5u_3^{14}u_1^8x_8 + 512u_6u_3^{12}u_1^9x_6x_2 + 128u_5u_3^{15}u_1^7x_5 - 256u_6u_3^{13}u_1^8x_4x_2 - 128u_6u_5u_3^{14}u_1^7x_2$$

Reduced to zero.

2739. Creating S-polynomial from the pair (p_{36}, p_{85}).
Forming S-pol of p_{36} and p_{85}:

$$p_{651} = 512u_3^{13}u_1^9x_8x_4 + 1024u_5u_3^{12}u_1^{10}x_8 - 512u_3^{13}u_1^9x_6x_5 + 512u_6u_3^{12}u_1^9x_6x_2 + (-256u_6u_3^{14}u_1^8 - 1024u_6u_3^{12}u_1^{10})x_6 - 256u_5u_3^{13}u_1^8x_5x_2 + 128u_6u_3^{15}u_1^7x_4 - 128u_6u_5u_3^{14}u_1^7x_2$$

Reduced to zero.

2740. Creating S-polynomial from the pair (p_{36}, p_{86}).
Forming S-pol of p_{36} and p_{86}:

$$p_{652} = -2048u_3^{20}u_1^{11}x_6x_5 + (8192u_3^{17}u_1^{13} - 4096u_3^{17}u_1^{12})x_5x_4x_2 +$$
$$(1024u_3^{21}u_1^{10} - 4096u_3^{19}u_1^{12})x_5x_4 - 1024u_5u_3^{20}u_1^{10}x_5x_2 +$$
$$2048u_5u_3^{20}u_1^{11}x_5 + 4096u_6u_3^{18}u_1^{12}x_4x_2 - 4096u_6u_3^{18}u_1^{12}x_4$$

S-pol added.

2741. Creating S-polynomial from the pair (p_{36}, p_{87}).
Forming S-pol of p_{36} and p_{87}:

$$p_{653} = 0$$

Reduced to zero.

2742. Creating S-polynomial from the pair (p_{36}, p_{88}).
Skipping pair p_{36} and p_{88} because gcd of their leading monoms is zero.

2743. Creating S-polynomial from the pair (p_{36}, p_{89}).
Skipping pair p_{36} and p_{89} because gcd of their leading monoms is zero.

2744. Creating S-polynomial from the pair (p_{36}, p_{90}).
Skipping pair p_{36} and p_{90} because gcd of their leading monoms is zero.

2745. Creating S-polynomial from the pair (p_{36}, p_{91}).
Skipping pair p_{36} and p_{91} because gcd of their leading monoms is zero.

2746. Creating S-polynomial from the pair (p_{36}, p_{92}).
Skipping pair p_{36} and p_{92} because gcd of their leading monoms is zero.

2747. Creating S-polynomial from the pair (p_{36}, p_{93}).
Skipping pair p_{36} and p_{93} because gcd of their leading monoms is zero.

2748. Creating S-polynomial from the pair (p_{36}, p_{94}).
Skipping pair p_{36} and p_{94} because gcd of their leading monoms is zero.

2749. Creating S-polynomial from the pair (p_{36}, p_{95}).
Forming S-pol of p_{36} and p_{95}:

$$p_{654} = 1048576u_5u_3^{23}u_1^{20}x_8x_6 + (2097152u_5u_3^{22}u_1^{21} + 2097152u_3^{23}u_1^{21})x_8x_4 +$$
$$(262144u_5^2u_3^{25}u_1^{18} - 1048576u_5^2u_3^{23}u_1^{20})x_8 - 1048576u_6u_3^{23}u_1^{20}x_6^2 -$$
$$1048576u_3^{23}u_1^{20}x_6x_5x_4 - 524288u_5u_3^{24}u_1^{19}x_6x_5 +$$
$$1048576u_6u_3^{22}u_1^{20}x_6x_4x_2 - 2097152u_6u_3^{22}u_1^{21}x_6x_4 -$$
$$262144u_6u_5u_3^{25}u_1^{18}x_6 - 524288u_5u_3^{23}u_1^{19}x_5x_4x_2 -$$
$$131072u_5^2u_3^{26}u_1^{17}x_5 - 262144u_6u_5u_3^{24}u_1^{18}x_4x_2 +$$
$$(131072u_6u_5u_3^{26}u_1^{17} + 524288u_6u_3^{25}u_1^{19})x_4 - 262144u_6u_5^2u_3^{25}u_1^{18}$$

Reduced to zero.

2750. Creating S-polynomial from the pair (p_{36}, p_{96}).

Forming S-pol of p_{36} and p_{96}:

$$p_{655} = 128u_5u_3^{10}u_1^7x_8 - 64u_3^{11}u_1^6x_6x_5 - 128u_6u_3^{10}u_1^7x_6+$$
$$32u_3^{12}u_1^5x_5x_4 - 32u_5u_3^{11}u_1^5x_5x_2 + 64u_6u_3^{11}u_1^6x_4$$

Reduced to zero.

2751. Creating S-polynomial from the pair (p_{36}, p_{97}).

Forming S-pol of p_{36} and p_{97}:

$$p_{656} = -1024u_3^{19}u_1^{10}x_6x_5 + (4096u_3^{16}u_1^{12} - 2048u_3^{16}u_1^{11})x_5x_4x_2+$$
$$(512u_3^{20}u_1^9 - 2048u_3^{18}u_1^{11})x_5x_4 - 512u_5u_3^{19}u_1^9x_5x_2+$$
$$1024u_5u_3^{19}u_1^{10}x_5 + 2048u_6u_3^{17}u_1^{11}x_4x_2 - 2048u_6u_3^{17}u_1^{11}x_4$$

S-pol added.

2752. Creating S-polynomial from the pair (p_{36}, p_{98}).

Forming S-pol of p_{36} and p_{98}: Polynomial too big for output (text size is 2088 characters, number of terms is 27)

Reduced to zero.

2753. Creating S-polynomial from the pair (p_{36}, p_{99}).

Forming S-pol of p_{36} and p_{99}: Polynomial too big for output (text size is 2089 characters, number of terms is 27)

Reduced to zero.

2754. Creating S-polynomial from the pair (p_{36}, p_{100}).

Skipping pair p_{36} and p_{100} because gcd of their leading monoms is zero.

2755. Creating S-polynomial from the pair (p_{36}, p_{101}).

Skipping pair p_{36} and p_{101} because gcd of their leading monoms is zero.

2756. Creating S-polynomial from the pair (p_{36}, p_{102}).

Skipping pair p_{36} and p_{102} because gcd of their leading monoms is zero.

2757. Creating S-polynomial from the pair (p_{36}, p_{103}).

Skipping pair p_{36} and p_{103} because gcd of their leading monoms is zero.

2758. Creating S-polynomial from the pair (p_{36}, p_{104}).

Skipping pair p_{36} and p_{104} because gcd of their leading monoms is zero.

2759. Creating S-polynomial from the pair (p_{36}, p_{105}).

Skipping pair p_{36} and p_{105} because gcd of their leading monoms is zero.

2760. Creating S-polynomial from the pair (p_{36}, p_{106}).

Skipping pair p_{36} and p_{106} because gcd of their leading monoms is zero.

2761. Creating S-polynomial from the pair (p_{37}, p_{38}).
Skipping pair p_{37} and p_{38} because gcd of their leading monoms is zero.

2762. Creating S-polynomial from the pair (p_{37}, p_{39}).
Skipping pair p_{37} and p_{39} because gcd of their leading monoms is zero.

2763. Creating S-polynomial from the pair (p_{37}, p_{40}).
Forming S-pol of p_{37} and p_{40}:

$$p_{657} = -16384u_4^{13}u_3^{13}u_1^{14}x_{16}x_6x_5 - 8192u_5u_4^{13}u_3^{13}u_1^{13}x_{16}x_5x_2 +$$
$$16384u_5u_4^{13}u_3^{13}u_1^{14}x_{16}x_5 + 8192u_6u_4^{13}u_3^{13}u_1^{13}x_{16}x_4x_2 -$$
$$16384u_6u_4^{13}u_3^{13}u_1^{14}x_{16}x_4 + 16384u_4^{13}u_3^{13}u_1^{14}x_{14}x_8x_5 +$$
$$8192u_5u_4^{13}u_3^{13}u_1^{13}x_8x_5x_3 - 16384u_5u_4^{13}u_3^{13}u_1^{14}x_8x_5 -$$
$$8192u_6u_4^{13}u_3^{13}u_1^{13}x_8x_4x_3 + 16384u_6u_4^{13}u_3^{13}u_1^{14}x_8x_4$$

Reduced to zero.

2764. Creating S-polynomial from the pair (p_{37}, p_{41}).
Forming S-pol of p_{37} and p_{41}:

$$p_{658} = 16384u_5u_3^{25}u_1^{14}x_6x_5x_4 - 16384u_6u_3^{25}u_1^{14}x_6x_4^2 -$$
$$8192u_5u_3^{26}u_1^{13}x_5x_4^2 + 8192u_5^2u_3^{25}u_1^{13}x_5x_4x_2 -$$
$$16384u_5^2u_3^{25}u_1^{14}x_5x_4 - 8192u_6u_5u_3^{25}u_1^{13}x_4^2x_2 +$$
$$(16384u_6u_5u_3^{25}u_1^{14} + 16384u_6u_3^{26}u_1^{14})x_4^2 - 8192u_6u_5^2u_3^{26}u_1^{13}x_4$$

Reduced to zero.

2765. Creating S-polynomial from the pair (p_{37}, p_{42}).
Forming S-pol of p_{37} and p_{42}:

$$p_{659} = 16384u_5u_3^{13}u_2^{12}u_1^{14}x_{12}x_6x_5 + 8192u_5^2u_3^{13}u_2^{12}u_1^{13}x_{12}x_5x_2 -$$
$$16384u_5^2u_3^{13}u_2^{12}u_1^{14}x_{12}x_5 - 8192u_6u_5u_3^{13}u_2^{12}u_1^{13}x_{12}x_4x_2 +$$
$$16384u_6u_5u_3^{13}u_2^{12}u_1^{14}x_{12}x_4 - 16384u_6u_3^{13}u_2^{12}u_1^{14}x_{10}x_8x_4 -$$
$$8192u_5u_3^{13}u_2^{13}u_1^{13}x_8x_5x_4 + 16384u_6u_3^{13}u_2^{13}u_1^{14}x_8x_4 -$$
$$8192u_6u_5^2u_3^{13}u_2^{13}u_1^{13}x_8$$

Reduced to zero.

2766. Creating S-polynomial from the pair (p_{37}, p_{43}).
Forming S-pol of p_{37} and p_{43}:

$$p_{660} = 16384u_5u_4^{12}u_3^{13}u_1^{14}x_{16}x_6x_5 + 8192u_5^2u_4^{12}u_3^{13}u_1^{13}x_{16}x_5x_2 -$$
$$16384u_5^2u_4^{12}u_3^{13}u_1^{14}x_{16}x_5 - 8192u_6u_5u_4^{12}u_3^{13}u_1^{13}x_{16}x_4x_2 +$$
$$16384u_6u_5u_4^{12}u_3^{13}u_1^{14}x_{16}x_4 - 16384u_6u_4^{12}u_3^{13}u_1^{14}x_{14}x_8x_4 -$$
$$8192u_5u_4^{13}u_3^{13}u_1^{13}x_8x_5x_4 + 16384u_6u_4^{13}u_3^{13}u_1^{14}x_8x_4 -$$
$$8192u_6u_5^2u_4^{13}u_3^{13}u_1^{13}x_8$$

Reduced to zero.

2767. Creating S-polynomial from the pair (p_{37}, p_{44}).

Skipping pair p_{37} and p_{44} because gcd of their leading monoms is zero.

2768. Creating S-polynomial from the pair (p_{37}, p_{45}).

Forming S-pol of p_{37} and p_{45}:

$$p_{661} = 262144u_3^{25}u_1^{18}x_8x_4^2 + (-32768u_5u_3^{28}u_1^{15} + 524288u_5u_3^{24}u_1^{19})x_8x_4+$$
$$(-131072u_3^{26}u_1^{17} - 524288u_3^{24}u_1^{19})x_6^2x_5 + 65536u_3^{27}u_1^{16}x_6x_5x_4+$$
$$(-65536u_5u_3^{26}u_1^{16} - 262144u_5u_3^{24}u_1^{18})x_6x_5x_2+$$
$$(131072u_5u_3^{26}u_1^{17} + 524288u_5u_3^{24}u_1^{19})x_6x_5+$$
$$(65536u_6u_3^{26}u_1^{16} + 262144u_6u_3^{24}u_1^{18})x_6x_4x_2+$$
$$(-131072u_6u_3^{26}u_1^{17} - 524288u_6u_3^{24}u_1^{19})x_6x_4-$$
$$131072u_5u_3^{25}u_1^{17}x_5x_4x_2 + 16384u_5u_3^{29}u_1^{14}x_5x_4-$$
$$32768u_6u_3^{27}u_1^{15}x_4^2x_2 + 65536u_6u_3^{27}u_1^{16}x_4^2+$$
$$(-16384u_6u_5u_3^{28}u_1^{14} - 65536u_6u_5u_3^{26}u_1^{16})x_4x_2$$

Reduced to zero.

2769. Creating S-polynomial from the pair (p_{37}, p_{46}).

Skipping pair p_{37} and p_{46} because gcd of their leading monoms is zero.

2770. Creating S-polynomial from the pair (p_{37}, p_{47}).

Forming S-pol of p_{37} and p_{47}: Polynomial too big for output (text size is 1291 characters, number of terms is 16)

S-pol added.

2771. Creating S-polynomial from the pair (p_{37}, p_{48}).

Forming S-pol of p_{37} and p_{48}:

$$p_{662} = -8192u_3^{20}u_1^{13}x_8x_4^2 - 16384u_5u_3^{19}u_1^{14}x_8x_4 + 16384u_3^{19}u_1^{14}x_6^2x_5+$$
$$8192u_5u_3^{19}u_1^{13}x_6x_5x_2 - 16384u_5u_3^{19}u_1^{14}x_6x_5-$$
$$8192u_6u_3^{19}u_1^{13}x_6x_4x_2+$$
$$(4096u_6u_3^{21}u_1^{12} + 16384u_6u_3^{19}u_1^{14})x_6x_4 + 4096u_5u_3^{20}u_1^{12}x_5x_4x_2-$$
$$2048u_6u_3^{22}u_1^{11}x_4^2 + 2048u_6u_5u_3^{21}u_1^{11}x_4x_2$$

Reduced to zero.

2772. Creating S-polynomial from the pair (p_{37}, p_{49}).

Forming S-pol of p_{37} and p_{49}:

$$p_{663} = 16384u_3^{26}u_1^{14}x_8x_4^2 - 8192u_5u_3^{27}u_1^{13}x_8x_4+$$
$$(-32768u_3^{25}u_1^{15} - 131072u_3^{23}u_1^{17})x_6^2x_5 + 65536u_3^{24}u_1^{16}x_6x_5x_4+$$
$$(-16384u_5u_3^{25}u_1^{14} - 65536u_5u_3^{23}u_1^{16})x_6x_5x_2+$$

$$(32768u_5u_3^{25}u_1^{15} + 131072u_5u_3^{23}u_1^{17})x_6x_5+$$
$$(16384u_6u_3^{25}u_1^{14} + 65536u_6u_3^{23}u_1^{16})x_6x_4x_2 - 32768u_6u_3^{25}u_1^{15}x_6x_4-$$
$$8192u_5u_3^{26}u_1^{13}x_5x_4x_2+$$
$$(4096u_5u_3^{28}u_1^{12} + 16384u_5u_3^{26}u_1^{14})x_5x_4 - 32768u_6u_3^{24}u_1^{15}x_4^2x_2+$$
$$(-4096u_6u_5u_3^{27}u_1^{12} - 16384u_6u_5u_3^{25}u_1^{14})x_4x_2$$

Reduced to zero.

2773. Creating S-polynomial from the pair (p_{37}, p_{50}).

Forming S-pol of p_{37} and p_{50}:

$$p_{664} = (-2048u_3^{23}u_1^{11} - 8192u_3^{21}u_1^{13})x_8x_6x_5+$$
$$(1024u_3^{24}u_1^{10} + 4096u_3^{22}u_1^{12})x_8x_5x_4+$$
$$(-1024u_5u_3^{23}u_1^{10} - 4096u_5u_3^{21}u_1^{12})x_8x_5x_2+$$
$$(2048u_5u_3^{23}u_1^{11} + 8192u_5u_3^{21}u_1^{13})x_8x_5+$$
$$(1024u_6u_3^{23}u_1^{10} + 4096u_6u_3^{21}u_1^{12})x_8x_4x_2+$$
$$(-512u_6u_3^{25}u_1^{9} - 2048u_6u_3^{23}u_1^{11})x_8x_4+$$
$$(-512u_6u_3^{24}u_1^{9} - 2048u_6u_3^{22}u_1^{11})x_5x_4x_2+$$
$$(256u_6u_3^{26}u_1^{8} + 1024u_6u_3^{24}u_1^{10})x_5x_4+$$
$$(-256u_6^2u_3^{25}u_1^{8} - 1024u_6^2u_3^{23}u_1^{10})x_4x_2$$

Reduced to zero.

2774. Creating S-polynomial from the pair (p_{37}, p_{51}).

Forming S-pol of p_{37} and p_{51}:

$$p_{665} = 4096u_5u_3^{21}u_1^{12}x_8x_4 + 16384u_3^{19}u_1^{14}x_6^2x_5 - 8192u_3^{20}u_1^{13}x_6x_5x_4+$$
$$8192u_5u_3^{19}u_1^{13}x_6x_5x_2 - 16384u_5u_3^{19}u_1^{14}x_6x_5-$$
$$8192u_6u_3^{19}u_1^{13}x_6x_4x_2 - 2048u_5u_3^{22}u_1^{11}x_5x_4+$$
$$4096u_6u_3^{20}u_1^{12}x_4^2x_2 + 2048u_6u_5u_3^{21}u_1^{11}x_4x_2$$

Reduced to zero.

2775. Creating S-polynomial from the pair (p_{37}, p_{52}).

Forming S-pol of p_{37} and p_{52}: Polynomial too big for output (text size is 1118 characters, number of terms is 16)

S-pol added.

2776. Creating S-polynomial from the pair (p_{37}, p_{53}).

Forming S-pol of p_{37} and p_{53}:

$$p_{666} = 1024u_3^{17}u_1^{10}x_8x_6x_5 - 512u_3^{18}u_1^{9}x_8x_5x_4 + 512u_5u_3^{17}u_1^{9}x_8x_5x_2-$$
$$1024u_5u_3^{17}u_1^{10}x_8x_5 - 512u_6u_3^{17}u_1^{9}x_8x_4x_2 + 256u_6u_3^{19}u_1^{8}x_8x_4+$$
$$256u_6u_3^{18}u_1^{8}x_5x_4x_2 - 128u_6u_3^{20}u_1^{7}x_5x_4+$$
$$128u_6^2u_3^{19}u_1^{7}x_4x_2$$

Reduced to zero.

2777. Creating S-polynomial from the pair (p_{37}, p_{54}).

Skipping pair p_{37} and p_{54} because gcd of their leading monoms is zero.

2778. Creating S-polynomial from the pair (p_{37}, p_{55}).

Skipping pair p_{37} and p_{55} because gcd of their leading monoms is zero.

2779. Creating S-polynomial from the pair (p_{37}, p_{56}).

Skipping pair p_{37} and p_{56} because gcd of their leading monoms is zero.

2780. Creating S-polynomial from the pair (p_{37}, p_{57}).

Forming S-pol of p_{37} and p_{57}: Polynomial too big for output (text size is 1646 characters, number of terms is 17)

Reduced to zero.

2781. Creating S-polynomial from the pair (p_{37}, p_{58}).

Skipping pair p_{37} and p_{58} because gcd of their leading monoms is zero.

2782. Creating S-polynomial from the pair (p_{37}, p_{59}).

Skipping pair p_{37} and p_{59} because gcd of their leading monoms is zero.

2783. Creating S-polynomial from the pair (p_{37}, p_{60}).

Skipping pair p_{37} and p_{60} because gcd of their leading monoms is zero.

2784. Creating S-polynomial from the pair (p_{37}, p_{61}).

Skipping pair p_{37} and p_{61} because gcd of their leading monoms is zero.

2785. Creating S-polynomial from the pair (p_{37}, p_{62}).

Forming S-pol of p_{37} and p_{62}: Polynomial too big for output (text size is 1423 characters, number of terms is 16)

Reduced to zero.

2786. Creating S-polynomial from the pair (p_{37}, p_{63}).

Skipping pair p_{37} and p_{63} because gcd of their leading monoms is zero.

2787. Creating S-polynomial from the pair (p_{37}, p_{64}).

Skipping pair p_{37} and p_{64} because gcd of their leading monoms is zero.

2788. Creating S-polynomial from the pair (p_{37}, p_{65}).

Skipping pair p_{37} and p_{65} because gcd of their leading monoms is zero.

2789. Creating S-polynomial from the pair (p_{37}, p_{66}).

Skipping pair p_{37} and p_{66} because gcd of their leading monoms is zero.

2790. Creating S-polynomial from the pair (p_{37}, p_{67}).

Forming S-pol of p_{37} and p_{67}: Polynomial too big for output (text size is 1646 characters, number of terms is 17)

Reduced to zero.

2791. Creating S-polynomial from the pair (p_{37}, p_{68}).

Skipping pair p_{37} and p_{68} because gcd of their leading monoms is zero.

2792. Creating S-polynomial from the pair (p_{37}, p_{69}).

Skipping pair p_{37} and p_{69} because gcd of their leading monoms is zero.

2793. Creating S-polynomial from the pair (p_{37}, p_{70}).

Skipping pair p_{37} and p_{70} because gcd of their leading monoms is zero.

2794. Creating S-polynomial from the pair (p_{37}, p_{71}).

Skipping pair p_{37} and p_{71} because gcd of their leading monoms is zero.

2795. Creating S-polynomial from the pair (p_{37}, p_{72}).

Forming S-pol of p_{37} and p_{72}: Polynomial too big for output (text size is 1423 characters, number of terms is 16)

Reduced to zero.

2796. Creating S-polynomial from the pair (p_{37}, p_{73}).

Skipping pair p_{37} and p_{73} because gcd of their leading monoms is zero.

2797. Creating S-polynomial from the pair (p_{37}, p_{74}).

Skipping pair p_{37} and p_{74} because gcd of their leading monoms is zero.

2798. Creating S-polynomial from the pair (p_{37}, p_{75}).

Skipping pair p_{37} and p_{75} because gcd of their leading monoms is zero.

2799. Creating S-polynomial from the pair (p_{37}, p_{76}).

Skipping pair p_{37} and p_{76} because gcd of their leading monoms is zero.

2800. Creating S-polynomial from the pair (p_{37}, p_{77}).

Skipping pair p_{37} and p_{77} because gcd of their leading monoms is zero.

2801. Creating S-polynomial from the pair (p_{37}, p_{78}).

Skipping pair p_{37} and p_{78} because gcd of their leading monoms is zero.

2802. Creating S-polynomial from the pair (p_{37}, p_{79}).

Forming S-pol of p_{37} and p_{79}: Polynomial too big for output (text size is 1025 characters, number of terms is 12)

S-pol added.

2803. Creating S-polynomial from the pair (p_{37}, p_{80}).

Skipping pair p_{37} and p_{80} because gcd of their leading monoms is zero.

2804. Creating S-polynomial from the pair (p_{37}, p_{81}).

Forming S-pol of p_{37} and p_{81}:

$$p_{667} = -65536u_5u_3^{23}u_1^{16}x_6x_5 + 65536u_6u_3^{23}u_1^{16}x_6x_4 +$$

$$32768u_5u_3^{24}u_1^{15}x_5x_4 - 32768u_5^2u_3^{23}u_1^{15}x_5x_2 +$$

$$65536u_5^2u_3^{23}u_1^{16}x_5 - 32768u_6u_3^{24}u_1^{15}x_4^2+$$
$$32768u_6u_5u_3^{23}u_1^{15}x_4x_2 - 65536u_6u_5u_3^{23}u_1^{16}x_4$$

Reduced to zero.

2805. Creating S-polynomial from the pair (p_{37}, p_{82}).

Skipping pair p_{37} and p_{82} because gcd of their leading monoms is zero.

2806. Creating S-polynomial from the pair (p_{37}, p_{83}).

Forming S-pol of p_{37} and p_{83}:

$$p_{668} = 33554432u_5u_3^{32}u_1^{25}x_8x_4^2 + 16777216u_5^2u_3^{33}u_1^{24}x_8x_4+$$
$$67108864u_5u_3^{31}u_1^{26}x_6^2x_5 - 67108864u_6u_3^{31}u_1^{26}x_6^2x_4-$$
$$33554432u_5u_3^{32}u_1^{25}x_6x_5x_4 + 33554432u_5^2u_3^{31}u_1^{25}x_6x_5x_2-$$
$$67108864u_5^2u_3^{31}u_1^{26}x_6x_5 - 33554432u_6u_5u_3^{31}u_1^{25}x_6x_4x_2+$$
$$(-16777216u_6u_5u_3^{33}u_1^{24} + 67108864u_6u_5u_3^{31}u_1^{26})x_6x_4-$$
$$16777216u_5u_3^{33}u_1^{24}x_5x_4^2 - 8388608u_5^2u_3^{34}u_1^{23}x_5x_4+$$
$$(8388608u_6u_5u_3^{34}u_1^{23} + 33554432u_6u_3^{33}u_1^{25})x_4^2-$$
$$16777216u_6u_5^2u_3^{33}u_1^{24}x_4$$

Reduced to zero.

2807. Creating S-polynomial from the pair (p_{37}, p_{84}).

Forming S-pol of p_{37} and p_{84}:

$$p_{669} = 8192u_5u_3^{21}u_1^{13}x_8x_4 + 32768u_3^{19}u_1^{15}x_6^2x_5 - 16384u_3^{20}u_1^{14}x_6x_5x_4+$$
$$16384u_5u_3^{19}u_1^{14}x_6x_5x_2 - 32768u_5u_3^{19}u_1^{15}x_6x_5-$$
$$16384u_6u_3^{19}u_1^{14}x_6x_4x_2 - 4096u_5u_3^{22}u_1^{12}x_5x_4+$$
$$8192u_6u_3^{20}u_1^{13}x_4^2x_2 + 4096u_6u_5u_3^{21}u_1^{12}x_4x_2$$

Reduced to zero.

2808. Creating S-polynomial from the pair (p_{37}, p_{85}).

Forming S-pol of p_{37} and p_{85}:

$$p_{670} = -16384u_3^{20}u_1^{14}x_8x_4^2 - 32768u_5u_3^{19}u_1^{15}x_8x_4+$$
$$32768u_3^{19}u_1^{15}x_6^2x_5 + 16384u_5u_3^{19}u_1^{14}x_6x_5x_2-$$
$$32768u_5u_3^{19}u_1^{15}x_6x_5 - 16384u_6u_3^{19}u_1^{14}x_6x_4x_2+$$
$$(8192u_6u_3^{21}u_1^{13} + 32768u_6u_3^{19}u_1^{15})x_6x_4 + 8192u_5u_3^{20}u_1^{13}x_5x_4x_2-$$
$$4096u_6u_3^{22}u_1^{12}x_4^2 + 4096u_6u_5u_3^{21}u_1^{12}x_4x_2$$

Reduced to zero.

2809. Creating S-polynomial from the pair (p_{37}, p_{86}).

Forming S-pol of p_{37} and p_{86}:

$$p_{671} = 131072u_3^{25}u_1^{17}x_6x_5x_4 + (-262144u_3^{24}u_1^{18} + 131072u_3^{24}u_1^{17})x_5x_4^2x_2 +$$
$$(131072u_3^{26}u_1^{17} - 65536u_3^{26}u_1^{16})x_5x_4^2 + 65536u_5u_3^{25}u_1^{16}x_5x_4x_2 -$$
$$131072u_5u_3^{25}u_1^{17}x_5x_4 - 131072u_6u_3^{25}u_1^{17}x_4^2x_2 +$$
$$131072u_6u_3^{25}u_1^{17}x_4^2$$

S-pol added.

2810. Creating S-polynomial from the pair (p_{37}, p_{87}).

Forming S-pol of p_{37} and p_{87}:

$$p_{672} = 1024u_3^{19}u_1^{10}x_6x_5 - 512u_3^{20}u_1^{9}x_5x_4 + 512u_5u_3^{19}u_1^{9}x_5x_2 -$$
$$1024u_5u_3^{19}u_1^{10}x_5$$

Reduced to zero.

2811. Creating S-polynomial from the pair (p_{37}, p_{88}).

Skipping pair p_{37} and p_{88} because gcd of their leading monoms is zero.

2812. Creating S-polynomial from the pair (p_{37}, p_{89}).

Skipping pair p_{37} and p_{89} because gcd of their leading monoms is zero.

2813. Creating S-polynomial from the pair (p_{37}, p_{90}).

Skipping pair p_{37} and p_{90} because gcd of their leading monoms is zero.

2814. Creating S-polynomial from the pair (p_{37}, p_{91}).

Skipping pair p_{37} and p_{91} because gcd of their leading monoms is zero.

2815. Creating S-polynomial from the pair (p_{37}, p_{92}).

Skipping pair p_{37} and p_{92} because gcd of their leading monoms is zero.

2816. Creating S-polynomial from the pair (p_{37}, p_{93}).

Forming S-pol of p_{37} and p_{93}: Polynomial too big for output (text size is 1025 characters, number of terms is 12)

S-pol added.

2817. Creating S-polynomial from the pair (p_{37}, p_{94}).

Skipping pair p_{37} and p_{94} because gcd of their leading monoms is zero.

2818. Creating S-polynomial from the pair (p_{37}, p_{95}).

Forming S-pol of p_{37} and p_{95}:

$$p_{673} = -33554432u_5u_3^{30}u_1^{25}x_8x_6x_4 +$$
$$(-67108864u_5u_3^{29}u_1^{26} - 67108864u_3^{30}u_1^{26})x_8x_4^2 +$$
$$(-8388608u_5^2u_3^{32}u_1^{23} + 33554432u_5^2u_3^{30}u_1^{25})x_8x_4 +$$

$$67108864u_3^{29}u_1^{26}x_6^2x_5 + 33554432u_6u_3^{30}u_1^{25}x_6^2x_4+$$
$$16777216u_5u_3^{31}u_1^{24}x_6x_5x_4 + 33554432u_5u_3^{29}u_1^{25}x_6x_5x_2-$$
$$67108864u_5u_3^{29}u_1^{26}x_6x_5 - 33554432u_6u_3^{29}u_1^{25}x_6x_4x_2+$$
$$(8388608u_6u_5u_3^{32}u_1^{23} + 67108864u_6u_3^{29}u_1^{26})x_6x_4+$$
$$16777216u_5u_3^{30}u_1^{24}x_5x_4^2x_2 + 4194304u_5^2u_3^{33}u_1^{22}x_5x_4+$$
$$8388608u_6u_5u_3^{31}u_1^{23}x_4^2x_2+$$
$$(-4194304u_6u_5u_3^{33}u_1^{22} - 16777216u_6u_3^{32}u_1^{24})x_4^2+$$
$$8388608u_6u_5^2u_3^{32}u_1^{23}x_4$$

S-pol added.

2819. Creating S-polynomial from the pair (p_{37}, p_{96}).

Forming S-pol of p_{37} and p_{96}:

$$p_{674} = -4096u_5u_3^{17}u_1^{12}x_8x_4 + 4096u_6u_3^{17}u_1^{12}x_6x_4 + 2048u_5u_3^{18}u_1^{11}x_5x_4-$$
$$2048u_6u_3^{18}u_1^{11}x_4^2$$

Reduced to zero.

2820. Creating S-polynomial from the pair (p_{37}, p_{97}).

Forming S-pol of p_{37} and p_{97}:

$$p_{675} = (-131072u_3^{23}u_1^{17} + 65536u_3^{23}u_1^{16})x_5x_4^2x_2 + 65536u_3^{25}u_1^{16}x_5x_4^2-$$
$$65536u_6u_3^{24}u_1^{16}x_4^2x_2 + 65536u_6u_3^{24}u_1^{16}x_4^2$$

S-pol added.

2821. Creating S-polynomial from the pair (p_{37}, p_{98}).

Forming S-pol of p_{37} and p_{98}: Polynomial too big for output (text size is 2776 characters, number of terms is 31)

Reduced to zero.

2822. Creating S-polynomial from the pair (p_{37}, p_{99}).

Forming S-pol of p_{37} and p_{99}: Polynomial too big for output (text size is 2775 characters, number of terms is 31)

Reduced to zero.

2823. Creating S-polynomial from the pair (p_{37}, p_{100}).

Forming S-pol of p_{37} and p_{100}: Polynomial too big for output (text size is 1112 characters, number of terms is 16)

Reduced to zero.

2824. Creating S-polynomial from the pair (p_{37}, p_{101}).

Forming S-pol of p_{37} and p_{101}:

$$p_{676} = -4096u_5u_3^{13}u_2^4u_1^{12}x_{12}x_8 - 2048u_3^{13}u_2^5u_1^{11}x_{12}x_6x_5-$$
$$1024u_5u_3^{13}u_2^5u_1^{10}x_{12}x_5x_2 + 2048u_5u_3^{13}u_2^5u_1^{11}x_{12}x_5+$$
$$1024u_6u_3^{13}u_2^5u_1^{10}x_{12}x_4x_2 - 2048u_6u_3^{13}u_2^5u_1^{11}x_{12}x_4+$$
$$2048u_3^{13}u_2^5u_1^{11}x_{10}x_8x_5 + 4096u_6u_3^{13}u_2^4u_1^{12}x_{10}x_8+$$
$$1024u_5u_3^{13}u_2^5u_1^{10}x_8x_5x_1 - 1024u_6u_3^{13}u_2^5u_1^{10}x_8x_4x_1$$

Reduced to zero.

2825. Creating S-polynomial from the pair (p_{37}, p_{102}).

Forming S-pol of p_{37} and p_{102}:

$$p_{677} = -32768u_3^{13}u_2^{13}u_1^{15}x_{12}x_6x_5 - 16384u_5u_3^{13}u_2^{13}u_1^{14}x_{12}x_5x_2+$$
$$32768u_5u_3^{13}u_2^{13}u_1^{15}x_{12}x_5 + 16384u_6u_3^{13}u_2^{13}u_1^{14}x_{12}x_4x_2-$$
$$32768u_6u_3^{13}u_2^{13}u_1^{15}x_{12}x_4 + 32768u_3^{13}u_2^{13}u_1^{15}x_{10}x_8x_5+$$
$$(-131072u_3^{13}u_2^{10}u_1^{17} + 65536u_3^{13}u_2^{10}u_1^{16})x_8x_5x_4x_1+$$
$$65536u_3^{13}u_2^{12}u_1^{16}x_8x_5x_4 + 16384u_5u_3^{13}u_2^{13}u_1^{14}x_8x_5x_1-$$
$$32768u_5u_3^{13}u_2^{13}u_1^{15}x_8x_5+$$
$$(-16384u_6u_3^{13}u_2^{13}u_1^{14} - 65536u_6u_3^{13}u_2^{11}u_1^{16})x_8x_4x_1+$$
$$(32768u_6u_3^{13}u_2^{13}u_1^{15} + 65536u_6u_3^{13}u_2^{11}u_1^{16})x_8x_4$$

S-pol added.

2826. Creating S-polynomial from the pair (p_{37}, p_{103}).

Skipping pair p_{37} and p_{103} because gcd of their leading monoms is zero.

2827. Creating S-polynomial from the pair (p_{37}, p_{104}).

Forming S-pol of p_{37} and p_{104}: Polynomial too big for output (text size is 1112 characters, number of terms is 16)

Reduced to zero.

2828. Creating S-polynomial from the pair (p_{37}, p_{105}).

Forming S-pol of p_{37} and p_{105}:

$$p_{678} = -4096u_5u_4^4u_3^{13}u_1^{12}x_{16}x_8 - 2048u_4^5u_3^{13}u_1^{11}x_{16}x_6x_5-$$
$$1024u_5u_4^5u_3^{13}u_1^{10}x_{16}x_5x_2 + 2048u_5u_4^5u_3^{13}u_1^{11}x_{16}x_5+$$
$$1024u_6u_4^5u_3^{13}u_1^{10}x_{16}x_4x_2 - 2048u_6u_4^5u_3^{13}u_1^{11}x_{16}x_4+$$
$$2048u_4^5u_3^{13}u_1^{11}x_{14}x_8x_5 + 4096u_6u_4^4u_3^{13}u_1^{12}x_{14}x_8+$$
$$1024u_5u_4^5u_3^{13}u_1^{10}x_8x_5x_3 - 1024u_6u_4^5u_3^{13}u_1^{10}x_8x_4x_3$$

Reduced to zero.

2829. Creating S-polynomial from the pair (p_{37}, p_{106}).

Forming S-pol of p_{37} and p_{106}:

$$p_{679} = -32768u_4^{13}u_3^{13}u_1^{15}x_{16}x_6x_5 - 16384u_5u_4^{13}u_3^{13}u_1^{14}x_{16}x_5x_2+$$
$$32768u_5u_4^{13}u_3^{13}u_1^{15}x_{16}x_5 + 16384u_6u_4^{13}u_3^{13}u_1^{14}x_{16}x_4x_2-$$
$$32768u_6u_4^{13}u_3^{13}u_1^{15}x_{16}x_4 + 32768u_4^{13}u_3^{13}u_1^{15}x_{14}x_8x_5+$$
$$(-131072u_4^{10}u_3^{13}u_1^{17} + 65536u_4^{10}u_3^{13}u_1^{16})x_8x_5x_4x_3+$$
$$65536u_4^{12}u_3^{13}u_1^{16}x_8x_5x_4 + 16384u_5u_4^{13}u_3^{13}u_1^{14}x_8x_5x_3-$$
$$32768u_5u_4^{13}u_3^{13}u_1^{15}x_8x_5+$$
$$(-16384u_6u_4^{13}u_3^{13}u_1^{14} - 65536u_6u_4^{11}u_3^{13}u_1^{16})x_8x_4x_3+$$
$$(32768u_6u_4^{13}u_3^{13}u_1^{15} + 65536u_6u_4^{11}u_3^{13}u_1^{16})x_8x_4$$

S-pol added.

2830. Creating S-polynomial from the pair (p_{38}, p_{39}).

Skipping pair p_{38} and p_{39} because gcd of their leading monoms is zero.

2831. Creating S-polynomial from the pair (p_{38}, p_{40}).

Skipping pair p_{38} and p_{40} because gcd of their leading monoms is zero.

2832. Creating S-polynomial from the pair (p_{38}, p_{41}).

Skipping pair p_{38} and p_{41} because gcd of their leading monoms is zero.

2833. Creating S-polynomial from the pair (p_{38}, p_{42}).

Skipping pair p_{38} and p_{42} because gcd of their leading monoms is zero.

2834. Creating S-polynomial from the pair (p_{38}, p_{43}).

Skipping pair p_{38} and p_{43} because gcd of their leading monoms is zero.

2835. Creating S-polynomial from the pair (p_{38}, p_{44}).

Skipping pair p_{38} and p_{44} because gcd of their leading monoms is zero.

2836. Creating S-polynomial from the pair (p_{38}, p_{45}).

Skipping pair p_{38} and p_{45} because gcd of their leading monoms is zero.

2837. Creating S-polynomial from the pair (p_{38}, p_{46}).

Skipping pair p_{38} and p_{46} because gcd of their leading monoms is zero.

2838. Creating S-polynomial from the pair (p_{38}, p_{47}).

Skipping pair p_{38} and p_{47} because gcd of their leading monoms is zero.

2839. Creating S-polynomial from the pair (p_{38}, p_{48}).

Skipping pair p_{38} and p_{48} because gcd of their leading monoms is zero.

2840. Creating S-polynomial from the pair (p_{38}, p_{49}).

Skipping pair p_{38} and p_{49} because gcd of their leading monoms is zero.

2841. Creating S-polynomial from the pair (p_{38}, p_{50}).
Skipping pair p_{38} and p_{50} because gcd of their leading monoms is zero.

2842. Creating S-polynomial from the pair (p_{38}, p_{51}).
Skipping pair p_{38} and p_{51} because gcd of their leading monoms is zero.

2843. Creating S-polynomial from the pair (p_{38}, p_{52}).
Skipping pair p_{38} and p_{52} because gcd of their leading monoms is zero.

2844. Creating S-polynomial from the pair (p_{38}, p_{53}).
Skipping pair p_{38} and p_{53} because gcd of their leading monoms is zero.

2845. Creating S-polynomial from the pair (p_{38}, p_{54}).
Skipping pair p_{38} and p_{54} because gcd of their leading monoms is zero.

2846. Creating S-polynomial from the pair (p_{38}, p_{55}).
Skipping pair p_{38} and p_{55} because gcd of their leading monoms is zero.

2847. Creating S-polynomial from the pair (p_{38}, p_{56}).
Skipping pair p_{38} and p_{56} because gcd of their leading monoms is zero.

2848. Creating S-polynomial from the pair (p_{38}, p_{57}).
Skipping pair p_{38} and p_{57} because gcd of their leading monoms is zero.

2849. Creating S-polynomial from the pair (p_{38}, p_{58}).
Skipping pair p_{38} and p_{58} because gcd of their leading monoms is zero.

2850. Creating S-polynomial from the pair (p_{38}, p_{59}).
Skipping pair p_{38} and p_{59} because gcd of their leading monoms is zero.

2851. Creating S-polynomial from the pair (p_{38}, p_{60}).
Skipping pair p_{38} and p_{60} because gcd of their leading monoms is zero.

2852. Creating S-polynomial from the pair (p_{38}, p_{61}).
Skipping pair p_{38} and p_{61} because gcd of their leading monoms is zero.

2853. Creating S-polynomial from the pair (p_{38}, p_{62}).
Skipping pair p_{38} and p_{62} because gcd of their leading monoms is zero.

2854. Creating S-polynomial from the pair (p_{38}, p_{63}).
Skipping pair p_{38} and p_{63} because gcd of their leading monoms is zero.

2855. Creating S-polynomial from the pair (p_{38}, p_{64}).
Forming S-pol of p_{38} and p_{64}:

$$\begin{gathered}
p_{680} = (-32u_5u_4^{16}u_1^5 - 128u_5u_4^{14}u_1^7)x_{14}x_3 + \\
(16u_5u_4^{18}u_1^4 + 64u_5u_4^{16}u_1^6)x_{14} + \\
(16u_5u_4^{17}u_1^4 + 64u_5u_4^{15}u_1^6)x_4x_3 + \\
(-8u_5u_4^{19}u_1^3 - 32u_5u_4^{17}u_1^5)x_4 + \\
(8u_5^2u_4^{18}u_1^3 + 32u_5^2u_4^{16}u_1^5)x_3
\end{gathered}$$

Reduced to zero.

2856. Creating S-polynomial from the pair (p_{38}, p_{65}).

Forming S-pol of p_{38} and p_{65}:

$$p_{681} = 2048u_4^{20}u_1^{11}x_{16}x_4 + (-2048u_5u_4^{19}u_1^{11} - 8192u_5u_4^{17}u_1^{13})x_{16}x_3+$$
$$(1024u_5u_4^{21}u_1^{10} + 4096u_5u_4^{19}u_1^{12})x_{16} - 2048u_4^{20}u_1^{11}x_{14}x_5+$$
$$4096u_5u_4^{18}u_1^{12}x_5x_3 - 512u_5u_4^{22}u_1^{9}x_5 + 1024u_6u_4^{20}u_1^{10}x_4x_3-$$
$$2048u_6u_4^{20}u_1^{11}x_4 + (512u_6u_5u_4^{21}u_1^{9} + 2048u_6u_5u_4^{19}u_1^{11})x_3$$

Reduced to zero.

2857. Creating S-polynomial from the pair (p_{38}, p_{66}).

Forming S-pol of p_{38} and p_{66}:

$$p_{682} = 16u_5u_4^{10}u_1^{4}x_{14}x_3 - 8u_5u_4^{12}u_1^{3}x_{14} - 8u_5u_4^{11}u_1^{3}x_4x_3+$$
$$4u_5u_4^{13}u_1^{2}x_4 - 4u_5^2u_4^{12}u_1^{2}x_3$$

Reduced to zero.

2858. Creating S-polynomial from the pair (p_{38}, p_{67}).

Forming S-pol of p_{38} and p_{67}:

$$p_{683} = (1048576u_4^{30}u_1^{20} + 4194304u_4^{28}u_1^{22})x_{16}x_4^2+$$
$$(-1048576u_5u_4^{29}u_1^{20} - 4194304u_5u_4^{27}u_1^{22})x_{16}x_4x_3+$$
$$(524288u_5u_4^{31}u_1^{19} + 2097152u_5u_4^{29}u_1^{21} - 8388608u_4^{28}u_1^{23})x_{16}x_4+$$
$$(-1048576u_5^2u_4^{30}u_1^{20} + 4194304u_5^2u_4^{28}u_1^{22})x_{16}-$$
$$2097152u_4^{29}u_1^{21}x_{14}^2x_5+$$
$$(-524288u_5u_4^{31}u_1^{19} + 2097152u_5u_4^{29}u_1^{21})x_{14}x_5+$$
$$1048576u_6u_5u_4^{30}u_1^{20}x_{14}+$$
$$(-524288u_5u_4^{30}u_1^{19} + 2097152u_5u_4^{28}u_1^{21})x_5x_4x_3-$$
$$262144u_5^2u_4^{31}u_1^{18}x_5x_3 + 524288u_5^2u_4^{31}u_1^{19}x_5+$$
$$(262144u_6u_5u_4^{31}u_1^{18} + 1048576u_6u_5u_4^{29}u_1^{20} + 1048576u_6u_4^{30}u_1^{20})x_4x_3+$$
$$(-524288u_6u_5u_4^{31}u_1^{19} - 2097152u_6u_4^{30}u_1^{21})x_4-$$
$$524288u_6u_5^2u_4^{30}u_1^{19}x_3 + 1048576u_6u_5^2u_4^{30}u_1^{20}$$

Reduced to zero.

2859. Creating S-polynomial from the pair (p_{38}, p_{68}).

Forming S-pol of p_{38} and p_{68}:

$$p_{684} = 256u_5u_4^{12}u_1^{8}x_{16}x_3 - 128u_6u_4^{14}u_1^{7}x_{14} - 128u_5u_4^{13}u_1^{7}x_5x_3+$$
$$64u_6u_4^{15}u_1^{6}x_4 - 64u_6u_5u_4^{14}u_1^{6}x_3$$

Reduced to zero.

2860. Creating S-polynomial from the pair (p_{38}, p_{69}).

Forming S-pol of p_{38} and p_{69}:

$$p_{685} = 2048u_4^{17}u_1^{11}x_{16}x_4 + (-512u_5u_4^{18}u_1^9 - 2048u_5u_4^{16}u_1^{11})x_{16}x_3+$$
$$(256u_5u_4^{20}u_1^8 + 1024u_5u_4^{18}u_1^{10} + 4096u_5u_4^{16}u_1^{12})x_{16}-$$
$$2048u_4^{17}u_1^{11}x_{14}x_5 - 4096u_6u_4^{16}u_1^{12}x_{14} + 256u_5u_4^{19}u_1^8x_5x_3+$$
$$(-128u_5u_4^{21}u_1^7 - 512u_5u_4^{19}u_1^9)x_5 + 1024u_6u_4^{17}u_1^{10}x_4x_3+$$
$$(128u_6u_5u_4^{20}u_1^7 + 512u_6u_5u_4^{18}u_1^9)x_3$$

Reduced to zero.

2861. Creating S-polynomial from the pair (p_{38}, p_{70}).

Skipping pair p_{38} and p_{70} because gcd of their leading monoms is zero.

2862. Creating S-polynomial from the pair (p_{38}, p_{71}).

Forming S-pol of p_{38} and p_{71}:

$$p_{686} = -256u_4^{13}u_1^8x_{16}x_4 + 256u_5u_4^{12}u_1^8x_{16}x_3+$$
$$(-128u_5u_4^{14}u_1^7 - 512u_5u_4^{12}u_1^9)x_{16} + 256u_4^{13}u_1^8x_{14}x_5+$$
$$512u_6u_4^{12}u_1^9x_{14} + 64u_5u_4^{15}u_1^6x_5 - 128u_6u_4^{13}u_1^7x_4x_3-$$
$$64u_6u_5u_4^{14}u_1^6x_3$$

Reduced to zero.

2863. Creating S-polynomial from the pair (p_{38}, p_{72}).

Skipping pair p_{38} and p_{72} because gcd of their leading monoms is zero.

2864. Creating S-polynomial from the pair (p_{38}, p_{73}).

Skipping pair p_{38} and p_{73} because gcd of their leading monoms is zero.

2865. Creating S-polynomial from the pair (p_{38}, p_{74}).

Skipping pair p_{38} and p_{74} because gcd of their leading monoms is zero.

2866. Creating S-polynomial from the pair (p_{38}, p_{75}).

Skipping pair p_{38} and p_{75} because gcd of their leading monoms is zero.

2867. Creating S-polynomial from the pair (p_{38}, p_{76}).

Skipping pair p_{38} and p_{76} because gcd of their leading monoms is zero.

2868. Creating S-polynomial from the pair (p_{38}, p_{77}).

Skipping pair p_{38} and p_{77} because gcd of their leading monoms is zero.

2869. Creating S-polynomial from the pair (p_{38}, p_{78}).

Skipping pair p_{38} and p_{78} because gcd of their leading monoms is zero.

2870. Creating S-polynomial from the pair (p_{38}, p_{79}).

Skipping pair p_{38} and p_{79} because gcd of their leading monoms is zero.

2871. Creating S-polynomial from the pair (p_{38}, p_{80}).
Skipping pair p_{38} and p_{80} because gcd of their leading monoms is zero.

2872. Creating S-polynomial from the pair (p_{38}, p_{81}).
Skipping pair p_{38} and p_{81} because gcd of their leading monoms is zero.

2873. Creating S-polynomial from the pair (p_{38}, p_{82}).
Skipping pair p_{38} and p_{82} because gcd of their leading monoms is zero.

2874. Creating S-polynomial from the pair (p_{38}, p_{83}).
Skipping pair p_{38} and p_{83} because gcd of their leading monoms is zero.

2875. Creating S-polynomial from the pair (p_{38}, p_{84}).
Skipping pair p_{38} and p_{84} because gcd of their leading monoms is zero.

2876. Creating S-polynomial from the pair (p_{38}, p_{85}).
Skipping pair p_{38} and p_{85} because gcd of their leading monoms is zero.

2877. Creating S-polynomial from the pair (p_{38}, p_{86}).
Skipping pair p_{38} and p_{86} because gcd of their leading monoms is zero.

2878. Creating S-polynomial from the pair (p_{38}, p_{87}).
Skipping pair p_{38} and p_{87} because gcd of their leading monoms is zero.

2879. Creating S-polynomial from the pair (p_{38}, p_{88}).
Skipping pair p_{38} and p_{88} because gcd of their leading monoms is zero.

2880. Creating S-polynomial from the pair (p_{38}, p_{89}).
Forming S-pol of p_{38} and p_{89}:

$$p_{687} = 0$$

Reduced to zero.

2881. Creating S-polynomial from the pair (p_{38}, p_{90}).
Forming S-pol of p_{38} and p_{90}:

$$p_{688} = -2097152u_5u_4^{25}u_1^{20}x_{16}x_4 + 1048576u_5^2u_4^{24}u_1^{20}x_{16}x_3+$$
$$(-524288u_5^2u_4^{26}u_1^{19} - 2097152u_5^2u_4^{24}u_1^{21})x_{16}+$$
$$2097152u_6u_4^{24}u_1^{21}x_{14}^2 + 1048576u_5u_4^{25}u_1^{20}x_{14}x_5+$$
$$524288u_6u_5u_4^{26}u_1^{19}x_{14} + 524288u_5u_4^{26}u_1^{19}x_5x_4+$$
$$262144u_5^2u_4^{27}u_1^{18}x_5+$$
$$(-262144u_6u_5u_4^{27}u_1^{18} - 1048576u_6u_4^{26}u_1^{20})x_4 + 524288u_6u_5^2u_4^{26}u_1^{19}$$

Reduced to zero.

2882. Creating S-polynomial from the pair (p_{38}, p_{91}).
Forming S-pol of p_{38} and p_{91}:

$$p_{689} = -512u_4^{13}u_1^9x_{16}x_4 + 512u_5u_4^{12}u_1^9x_{16}x_3+$$
$$(-256u_5u_4^{14}u_1^8 - 1024u_5u_4^{12}u_1^{10})x_{16} + 512u_4^{13}u_1^9x_{14}x_5+$$
$$1024u_6u_4^{12}u_1^{10}x_{14} + 128u_5u_4^{15}u_1^7x_5 - 256u_6u_4^{13}u_1^8x_4x_3-$$
$$128u_6u_5u_4^{14}u_1^7x_3$$

Reduced to zero.

2883. Creating S-polynomial from the pair (p_{38}, p_{92}).
Forming S-pol of p_{38} and p_{92}:

$$p_{690} = 512u_5u_4^{12}u_1^9x_{16}x_3 - 256u_6u_4^{14}u_1^8x_{14} - 256u_5u_4^{13}u_1^8x_5x_3+$$
$$128u_6u_4^{15}u_1^7x_4 - 128u_6u_5u_4^{14}u_1^7x_3$$

Reduced to zero.

2884. Creating S-polynomial from the pair (p_{38}, p_{93}).
Skipping pair p_{38} and p_{93} because gcd of their leading monoms is zero.

2885. Creating S-polynomial from the pair (p_{38}, p_{94}).
Skipping pair p_{38} and p_{94} because gcd of their leading monoms is zero.

2886. Creating S-polynomial from the pair (p_{38}, p_{95}).
Skipping pair p_{38} and p_{95} because gcd of their leading monoms is zero.

2887. Creating S-polynomial from the pair (p_{38}, p_{96}).
Skipping pair p_{38} and p_{96} because gcd of their leading monoms is zero.

2888. Creating S-polynomial from the pair (p_{38}, p_{97}).
Skipping pair p_{38} and p_{97} because gcd of their leading monoms is zero.

2889. Creating S-polynomial from the pair (p_{38}, p_{98}).
Skipping pair p_{38} and p_{98} because gcd of their leading monoms is zero.

2890. Creating S-polynomial from the pair (p_{38}, p_{99}).
Skipping pair p_{38} and p_{99} because gcd of their leading monoms is zero.

2891. Creating S-polynomial from the pair (p_{38}, p_{100}).
Skipping pair p_{38} and p_{100} because gcd of their leading monoms is zero.

2892. Creating S-polynomial from the pair (p_{38}, p_{101}).
Skipping pair p_{38} and p_{101} because gcd of their leading monoms is zero.

2893. Creating S-polynomial from the pair (p_{38}, p_{102}).
Skipping pair p_{38} and p_{102} because gcd of their leading monoms is zero.

2894. Creating S-polynomial from the pair (p_{38}, p_{103}).
Skipping pair p_{38} and p_{103} because gcd of their leading monoms is zero.

2895. Creating S-polynomial from the pair (p_{38}, p_{104}).
Forming S-pol of p_{38} and p_{104}:

$$p_{691} = 1048576u_5u_4^{23}u_1^{20}x_{16}x_{14} - 1048576u_4^{23}u_1^{20}x_{16}x_4^2+$$
$$1048576u_5u_4^{22}u_1^{20}x_{16}x_4x_3 + 2097152u_4^{23}u_1^{21}x_{16}x_4+$$
$$(262144u_5^2u_4^{25}u_1^{18} - 1048576u_5^2u_4^{23}u_1^{20})x_{16}-$$
$$1048576u_6u_4^{23}u_1^{20}x_{14}^2 - 524288u_5u_4^{24}u_1^{19}x_{14}x_5-$$
$$262144u_6u_5u_4^{25}u_1^{18}x_{14} - 524288u_5u_4^{23}u_1^{19}x_5x_4x_3-$$
$$131072u_5^2u_4^{26}u_1^{17}x_5 - 262144u_6u_5u_4^{24}u_1^{18}x_4x_3+$$
$$(131072u_6u_5u_4^{26}u_1^{17} + 524288u_6u_4^{25}u_1^{19})x_4 - 262144u_6u_5^2u_4^{25}u_1^{18}$$

Reduced to zero.

2896. Creating S-polynomial from the pair (p_{38}, p_{105}).
Skipping pair p_{38} and p_{105} because gcd of their leading monoms is zero.

2897. Creating S-polynomial from the pair (p_{38}, p_{106}).
Skipping pair p_{38} and p_{106} because gcd of their leading monoms is zero.

2898. Creating S-polynomial from the pair (p_{39}, p_{40}).
Forming S-pol of p_{39} and p_{40}:

$$p_{692} = -512u_4^{19}u_1^9x_{14}x_5 + 256u_4^{20}u_1^8x_5x_4 - 256u_5u_4^{19}u_1^8x_5x_3+$$
$$512u_5u_4^{19}u_1^9x_5$$

Reduced to zero.

2899. Creating S-polynomial from the pair (p_{39}, p_{41}).
Skipping pair p_{39} and p_{41} because gcd of their leading monoms is zero.

2900. Creating S-polynomial from the pair (p_{39}, p_{42}).
Skipping pair p_{39} and p_{42} because gcd of their leading monoms is zero.

2901. Creating S-polynomial from the pair (p_{39}, p_{43}).
Forming S-pol of p_{39} and p_{43}:

$$p_{693} = 512u_6u_4^{18}u_1^9x_{14}x_4 + 256u_6u_5u_4^{18}u_1^8x_4x_3+$$
$$(-512u_6u_5u_4^{18}u_1^9 - 512u_6u_4^{19}u_1^9)x_4 + 256u_6u_5^2u_4^{19}u_1^8$$

Reduced to zero.

2902. Creating S-polynomial from the pair (p_{39}, p_{44}).
Skipping pair p_{39} and p_{44} because gcd of their leading monoms is zero.

2903. Creating S-polynomial from the pair (p_{39}, p_{45}).
Skipping pair p_{39} and p_{45} because gcd of their leading monoms is zero.

2904. Creating S-polynomial from the pair (p_{39}, p_{46}).
Skipping pair p_{39} and p_{46} because gcd of their leading monoms is zero.

2905. Creating S-polynomial from the pair (p_{39}, p_{47}).
Skipping pair p_{39} and p_{47} because gcd of their leading monoms is zero.

2906. Creating S-polynomial from the pair (p_{39}, p_{48}).
Skipping pair p_{39} and p_{48} because gcd of their leading monoms is zero.

2907. Creating S-polynomial from the pair (p_{39}, p_{49}).
Skipping pair p_{39} and p_{49} because gcd of their leading monoms is zero.

2908. Creating S-polynomial from the pair (p_{39}, p_{50}).
Skipping pair p_{39} and p_{50} because gcd of their leading monoms is zero.

2909. Creating S-polynomial from the pair (p_{39}, p_{51}).
Skipping pair p_{39} and p_{51} because gcd of their leading monoms is zero.

2910. Creating S-polynomial from the pair (p_{39}, p_{52}).
Skipping pair p_{39} and p_{52} because gcd of their leading monoms is zero.

2911. Creating S-polynomial from the pair (p_{39}, p_{53}).
Skipping pair p_{39} and p_{53} because gcd of their leading monoms is zero.

2912. Creating S-polynomial from the pair (p_{39}, p_{54}).
Skipping pair p_{39} and p_{54} because gcd of their leading monoms is zero.

2913. Creating S-polynomial from the pair (p_{39}, p_{55}).
Skipping pair p_{39} and p_{55} because gcd of their leading monoms is zero.

2914. Creating S-polynomial from the pair (p_{39}, p_{56}).
Skipping pair p_{39} and p_{56} because gcd of their leading monoms is zero.

2915. Creating S-polynomial from the pair (p_{39}, p_{57}).
Skipping pair p_{39} and p_{57} because gcd of their leading monoms is zero.

2916. Creating S-polynomial from the pair (p_{39}, p_{58}).
Skipping pair p_{39} and p_{58} because gcd of their leading monoms is zero.

2917. Creating S-polynomial from the pair (p_{39}, p_{59}).
Skipping pair p_{39} and p_{59} because gcd of their leading monoms is zero.

2918. Creating S-polynomial from the pair (p_{39}, p_{60}).
Skipping pair p_{39} and p_{60} because gcd of their leading monoms is zero.

2919. Creating S-polynomial from the pair (p_{39}, p_{61}).
Skipping pair p_{39} and p_{61} because gcd of their leading monoms is zero.

2920. Creating S-polynomial from the pair (p_{39}, p_{62}).
Skipping pair p_{39} and p_{62} because gcd of their leading monoms is zero.

2921. Creating S-polynomial from the pair (p_{39}, p_{63}).
Skipping pair p_{39} and p_{63} because gcd of their leading monoms is zero.

2922. Creating S-polynomial from the pair (p_{39}, p_{64}).
Skipping pair p_{39} and p_{64} because gcd of their leading monoms is zero.

2923. Creating S-polynomial from the pair (p_{39}, p_{65}).
Forming S-pol of p_{39} and p_{65}:

$$p_{694} = -8192u_4^{18}u_1^{13}x_{16}x_4+$$
$$(1024u_5u_4^{21}u_1^{10} - 16384u_5u_4^{17}u_1^{14})x_{16} + 8192u_4^{18}u_1^{13}x_{14}x_5+$$
$$(-2048u_6u_4^{19}u_1^{11} - 8192u_6u_4^{17}u_1^{13})x_{14}x_3+$$
$$(4096u_6u_4^{19}u_1^{12} + 16384u_6u_4^{17}u_1^{14})x_{14} + 4096u_5u_4^{18}u_1^{12}x_5x_3-$$
$$512u_5u_4^{22}u_1^{9}x_5 + 1024u_6u_4^{20}u_1^{10}x_4x_3 - 2048u_6u_4^{20}u_1^{11}x_4+$$
$$(512u_6u_5u_4^{21}u_1^{9} + 2048u_6u_5u_4^{19}u_1^{11})x_3$$

Reduced to zero.

2924. Creating S-polynomial from the pair (p_{39}, p_{66}).
Skipping pair p_{39} and p_{66} because gcd of their leading monoms is zero.

2925. Creating S-polynomial from the pair (p_{39}, p_{67}).
Forming S-pol of p_{39} and p_{67}: Polynomial too big for output (text size is 1049 characters, number of terms is 15)

Reduced to zero.

2926. Creating S-polynomial from the pair (p_{39}, p_{68}).
Forming S-pol of p_{39} and p_{68}:

$$p_{695} = 256u_4^{13}u_1^{8}x_{16}x_4 + 512u_5u_4^{12}u_1^{9}x_{16} - 256u_4^{13}u_1^{8}x_{14}x_5+$$
$$256u_6u_4^{12}u_1^{8}x_{14}x_3+$$
$$(-128u_6u_4^{14}u_1^{7} - 512u_6u_4^{12}u_1^{9})x_{14} - 128u_5u_4^{13}u_1^{7}x_5x_3+$$
$$64u_6u_4^{15}u_1^{6}x_4 - 64u_6u_5u_4^{14}u_1^{6}x_3$$

Reduced to zero.

2927. Creating S-polynomial from the pair (p_{39}, p_{69}).
Forming S-pol of p_{39} and p_{69}:

$$p_{696} = -512u_4^{19}u_1^{9}x_{16}x_4 + 256u_5u_4^{20}u_1^{8}x_{16} + 512u_4^{19}u_1^{9}x_{14}x_5+$$
$$(-512u_6u_4^{18}u_1^{9} - 2048u_6u_4^{16}u_1^{11})x_{14}x_3 + 1024u_6u_4^{18}u_1^{10}x_{14}+$$
$$256u_5u_4^{19}u_1^{8}x_5x_3+$$
$$(-128u_5u_4^{21}u_1^{7} - 512u_5u_4^{19}u_1^{9})x_5 + 1024u_6u_4^{17}u_1^{10}x_4x_3+$$
$$(128u_6u_5u_4^{20}u_1^{7} + 512u_6u_5u_4^{18}u_1^{9})x_3$$

Reduced to zero.

2928. Creating S-polynomial from the pair (p_{39}, p_{70}).

Forming S-pol of p_{39} and p_{70}:

$$p_{697} = (-32u_6u_4^{16}u_1^5 - 128u_6u_4^{14}u_1^7)x_{16}x_3+$$
$$(16u_6u_4^{18}u_1^4 + 64u_6u_4^{16}u_1^6)x_{16}+$$
$$(16u_6u_4^{17}u_1^4 + 64u_6u_4^{15}u_1^6)x_5x_3+$$
$$(-8u_6u_4^{19}u_1^3 - 32u_6u_4^{17}u_1^5)x_5+$$
$$(8u_6^2u_4^{18}u_1^3 + 32u_6^2u_4^{16}u_1^5)x_3$$

Reduced to zero.

2929. Creating S-polynomial from the pair (p_{39}, p_{71}).

Forming S-pol of p_{39} and p_{71}:

$$p_{698} = -128u_5u_4^{14}u_1^7x_{16} + 256u_6u_4^{12}u_1^8x_{14}x_3 + 64u_5u_4^{15}u_1^6x_5-$$
$$128u_6u_4^{13}u_1^7x_4x_3 - 64u_6u_5u_4^{14}u_1^6x_3$$

Reduced to zero.

2930. Creating S-polynomial from the pair (p_{39}, p_{72}).

Forming S-pol of p_{39} and p_{72}:

$$p_{699} = -8192u_4^{25}u_1^{13}x_{16}x_{14}x_5 + 4096u_4^{26}u_1^{12}x_{16}x_5x_4+$$
$$(-2048u_5u_4^{27}u_1^{11} + 8192u_5u_4^{25}u_1^{13})x_{16}x_5+$$
$$(-4096u_6u_4^{25}u_1^{12} - 16384u_6u_4^{23}u_1^{14})x_{16}x_4x_3+$$
$$(2048u_6u_4^{27}u_1^{11} + 8192u_6u_4^{25}u_1^{13})x_{16}x_4+$$
$$(2048u_6u_4^{26}u_1^{11} + 8192u_6u_4^{24}u_1^{13})x_5x_4x_3+$$
$$(-1024u_6u_4^{28}u_1^{10} - 4096u_6u_4^{26}u_1^{12})x_5x_4+$$
$$(-1024u_6u_5u_4^{27}u_1^{10} - 4096u_5u_4^{26}u_1^{12})x_5x_3 + 2048u_5u_4^{28}u_1^{11}x_5+$$
$$(1024u_6^2u_4^{27}u_1^{10} + 4096u_6^2u_4^{25}u_1^{12})x_4x_3+$$
$$2048u_6^2u_5u_4^{26}u_1^{11}x_3 - 1024u_6^2u_5u_4^{28}u_1^{10}$$

Reduced to zero.

2931. Creating S-polynomial from the pair (p_{39}, p_{73}).

Forming S-pol of p_{39} and p_{73}:

$$p_{700} = 16u_6u_4^{10}u_1^4x_{16}x_3 - 8u_6u_4^{12}u_1^3x_{16} - 8u_6u_4^{11}u_1^3x_5x_3+$$
$$4u_6u_4^{13}u_1^2x_5 - 4u_6^2u_4^{12}u_1^2x_3$$

Reduced to zero.

2932. Creating S-polynomial from the pair (p_{39}, p_{74}).

Skipping pair p_{39} and p_{74} because gcd of their leading monoms is zero.

2933. Creating S-polynomial from the pair (p_{39}, p_{75}).
Skipping pair p_{39} and p_{75} because gcd of their leading monoms is zero.

2934. Creating S-polynomial from the pair (p_{39}, p_{76}).
Skipping pair p_{39} and p_{76} because gcd of their leading monoms is zero.

2935. Creating S-polynomial from the pair (p_{39}, p_{77}).
Skipping pair p_{39} and p_{77} because gcd of their leading monoms is zero.

2936. Creating S-polynomial from the pair (p_{39}, p_{78}).
Skipping pair p_{39} and p_{78} because gcd of their leading monoms is zero.

2937. Creating S-polynomial from the pair (p_{39}, p_{79}).
Skipping pair p_{39} and p_{79} because gcd of their leading monoms is zero.

2938. Creating S-polynomial from the pair (p_{39}, p_{80}).
Skipping pair p_{39} and p_{80} because gcd of their leading monoms is zero.

2939. Creating S-polynomial from the pair (p_{39}, p_{81}).
Skipping pair p_{39} and p_{81} because gcd of their leading monoms is zero.

2940. Creating S-polynomial from the pair (p_{39}, p_{82}).
Skipping pair p_{39} and p_{82} because gcd of their leading monoms is zero.

2941. Creating S-polynomial from the pair (p_{39}, p_{83}).
Skipping pair p_{39} and p_{83} because gcd of their leading monoms is zero.

2942. Creating S-polynomial from the pair (p_{39}, p_{84}).
Skipping pair p_{39} and p_{84} because gcd of their leading monoms is zero.

2943. Creating S-polynomial from the pair (p_{39}, p_{85}).
Skipping pair p_{39} and p_{85} because gcd of their leading monoms is zero.

2944. Creating S-polynomial from the pair (p_{39}, p_{86}).
Skipping pair p_{39} and p_{86} because gcd of their leading monoms is zero.

2945. Creating S-polynomial from the pair (p_{39}, p_{87}).
Skipping pair p_{39} and p_{87} because gcd of their leading monoms is zero.

2946. Creating S-polynomial from the pair (p_{39}, p_{88}).
Forming S-pol of p_{39} and p_{88}:

$$p_{701} = -2048u_6u_4^{16}u_1^{11}x_{14} + 1024u_6u_4^{17}u_1^{10}x_4 - 1024u_6u_5u_4^{16}u_1^{10}x_3 + 2048u_6u_5u_4^{16}u_1^{11}$$

Reduced to zero.

2947. Creating S-polynomial from the pair (p_{39}, p_{89}).
Skipping pair p_{39} and p_{89} because gcd of their leading monoms is zero.

2948. Creating S-polynomial from the pair (p_{39}, p_{90}).

Forming S-pol of p_{39} and p_{90}:

$$p_{702} = -1048576u_5u_4^{25}u_1^{20}x_{16}x_4 - 524288u_5^2u_4^{26}u_1^{19}x_{16}+$$
$$2097152u_6u_4^{24}u_1^{21}x_{14}^2 + 1048576u_6u_5u_4^{24}u_1^{20}x_{14}x_3+$$
$$(524288u_6u_5u_4^{26}u_1^{19} - 2097152u_6u_5u_4^{24}u_1^{21})x_{14}+$$
$$524288u_5u_4^{26}u_1^{19}x_5x_4 + 262144u_5^2u_4^{27}u_1^{18}x_5+$$
$$(-262144u_6u_5u_4^{27}u_1^{18} - 1048576u_6u_4^{26}u_1^{20})x_4 + 524288u_6u_5^2u_4^{26}u_1^{19}$$

Reduced to zero.

2949. Creating S-polynomial from the pair (p_{39}, p_{91}).

Forming S-pol of p_{39} and p_{91}:

$$p_{703} = -256u_5u_4^{14}u_1^8x_{16} + 512u_6u_4^{12}u_1^9x_{14}x_3 + 128u_5u_4^{15}u_1^7x_5-$$
$$256u_6u_4^{13}u_1^8x_4x_3 - 128u_6u_5u_4^{14}u_1^7x_3$$

Reduced to zero.

2950. Creating S-polynomial from the pair (p_{39}, p_{92}).

Forming S-pol of p_{39} and p_{92}:

$$p_{704} = 512u_4^{13}u_1^9x_{16}x_4 + 1024u_5u_4^{12}u_1^{10}x_{16} - 512u_4^{13}u_1^9x_{14}x_5+$$
$$512u_6u_4^{12}u_1^9x_{14}x_3+$$
$$(-256u_6u_4^{14}u_1^8 - 1024u_6u_4^{12}u_1^{10})x_{14} - 256u_5u_4^{13}u_1^8x_5x_3+$$
$$128u_6u_4^{15}u_1^7x_4 - 128u_6u_5u_4^{14}u_1^7x_3$$

Reduced to zero.

2951. Creating S-polynomial from the pair (p_{39}, p_{93}).

Forming S-pol of p_{39} and p_{93}:

$$p_{705} = -2048u_4^{20}u_1^{11}x_{14}x_5 + (8192u_4^{17}u_1^{13} - 4096u_4^{17}u_1^{12})x_5x_4x_3+$$
$$(1024u_4^{21}u_1^{10} - 4096u_4^{19}u_1^{12})x_5x_4 - 1024u_5u_4^{20}u_1^{10}x_5x_3+$$
$$2048u_5u_4^{20}u_1^{11}x_5 + 4096u_6u_4^{18}u_1^{12}x_4x_3 - 4096u_6u_4^{18}u_1^{12}x_4$$

S-pol added.

2952. Creating S-polynomial from the pair (p_{39}, p_{94}).

Forming S-pol of p_{39} and p_{94}:

$$p_{706} = 0$$

Reduced to zero.

2953. Creating S-polynomial from the pair (p_{39}, p_{95}).

Skipping pair p_{39} and p_{95} because gcd of their leading monoms is zero.

2954. Creating S-polynomial from the pair (p_{39}, p_{96}).

Skipping pair p_{39} and p_{96} because gcd of their leading monoms is zero.

2955. Creating S-polynomial from the pair (p_{39}, p_{97}).

Skipping pair p_{39} and p_{97} because gcd of their leading monoms is zero.

2956. Creating S-polynomial from the pair (p_{39}, p_{98}).

Skipping pair p_{39} and p_{98} because gcd of their leading monoms is zero.

2957. Creating S-polynomial from the pair (p_{39}, p_{99}).

Forming S-pol of p_{39} and p_{99}: Polynomial too big for output (text size is 2089 characters, number of terms is 27)

Reduced to zero.

2958. Creating S-polynomial from the pair (p_{39}, p_{100}).

Skipping pair p_{39} and p_{100} because gcd of their leading monoms is zero.

2959. Creating S-polynomial from the pair (p_{39}, p_{101}).

Skipping pair p_{39} and p_{101} because gcd of their leading monoms is zero.

2960. Creating S-polynomial from the pair (p_{39}, p_{102}).

Skipping pair p_{39} and p_{102} because gcd of their leading monoms is zero.

2961. Creating S-polynomial from the pair (p_{39}, p_{103}).

Forming S-pol of p_{39} and p_{103}: Polynomial too big for output (text size is 2098 characters, number of terms is 27)

Reduced to zero.

2962. Creating S-polynomial from the pair (p_{39}, p_{104}).

Forming S-pol of p_{39} and p_{104}:

$$p_{707} = 1048576u_5u_4^{23}u_1^{20}x_{16}x_{14}+(2097152u_5u_4^{22}u_1^{21}+2097152u_4^{23}u_1^{21})x_{16}x_4+$$
$$(262144u_5^2u_4^{25}u_1^{18} - 1048576u_5^2u_4^{23}u_1^{20})x_{16}-$$
$$1048576u_6u_4^{23}u_1^{20}x_{14}^2 - 1048576u_4^{23}u_1^{20}x_{14}x_5x_4-$$
$$524288u_5u_4^{24}u_1^{19}x_{14}x_5 + 1048576u_6u_4^{22}u_1^{20}x_{14}x_4x_3-$$
$$2097152u_6u_4^{22}u_1^{21}x_{14}x_4 - 262144u_6u_5u_4^{25}u_1^{18}x_{14}-$$
$$524288u_5u_4^{23}u_1^{19}x_5x_4x_3 - 131072u_5^2u_4^{26}u_1^{17}x_5-$$
$$262144u_6u_5u_4^{24}u_1^{18}x_4x_3+$$
$$(131072u_6u_5u_4^{26}u_1^{17} + 524288u_6u_4^{25}u_1^{19})x_4 - 262144u_6u_5^2u_4^{25}u_1^{18}$$

Reduced to zero.

2963. Creating S-polynomial from the pair (p_{39}, p_{105}).

Forming S-pol of p_{39} and p_{105}:

$$p_{708} = 128u_5u_4^{10}u_1^7x_{16} - 64u_4^{11}u_1^6x_{14}x_5 - 128u_6u_4^{10}u_1^7x_{14}+$$
$$32u_4^{12}u_1^5x_5x_4 - 32u_5u_4^{11}u_1^5x_5x_3 + 64u_6u_4^{11}u_1^6x_4$$

Reduced to zero.

2964. Creating S-polynomial from the pair (p_{39}, p_{106}).

Forming S-pol of p_{39} and p_{106}:

$$p_{709} = -1024u_4^{19}u_1^{10}x_{14}x_5 + (4096u_4^{16}u_1^{12} - 2048u_4^{16}u_1^{11})x_5x_4x_3+$$
$$(512u_4^{20}u_1^{9} - 2048u_4^{18}u_1^{11})x_5x_4 - 512u_5u_4^{19}u_1^{9}x_5x_3+$$
$$1024u_5u_4^{19}u_1^{10}x_5 + 2048u_6u_4^{17}u_1^{11}x_4x_3 - 2048u_6u_4^{17}u_1^{11}x_4$$

S-pol added.

2965. Creating S-polynomial from the pair (p_{40}, p_{41}).

Forming S-pol of p_{40} and p_{41}:

$$p_{710} = -16384u_6u_4^{13}u_3^{12}u_1^{14}x_{16}x_6x_4 - 8192u_5u_4^{13}u_3^{13}u_1^{13}x_{16}x_5x_4+$$
$$16384u_6u_4^{13}u_3^{13}u_1^{14}x_{16}x_4 - 8192u_6u_5^2u_4^{13}u_3^{13}u_1^{13}x_{16}+$$
$$16384u_5u_4^{13}u_3^{12}u_1^{14}x_{14}x_8x_5 + 8192u_5^2u_4^{13}u_3^{12}u_1^{13}x_8x_5x_3-$$
$$16384u_5^2u_4^{13}u_3^{12}u_1^{14}x_8x_5 - 8192u_6u_5u_4^{13}u_3^{12}u_1^{13}x_8x_4x_3+$$
$$16384u_6u_5u_4^{13}u_3^{12}u_1^{14}x_8x_4$$

Reduced to zero.

2966. Creating S-polynomial from the pair (p_{40}, p_{42}).

Forming S-pol of p_{40} and p_{42}:

$$p_{711} = -16384u_6u_4^{13}u_2^{12}u_1^{14}x_{16}x_{10}x_4 - 8192u_5u_4^{13}u_2^{13}u_1^{13}x_{16}x_5x_4+$$
$$16384u_6u_4^{13}u_2^{13}u_1^{14}x_{16}x_4 - 8192u_6u_5^2u_4^{13}u_2^{13}u_1^{13}x_{16}+$$
$$16384u_5u_4^{13}u_2^{12}u_1^{14}x_{14}x_{12}x_5 + 8192u_5^2u_4^{13}u_2^{12}u_1^{13}x_{12}x_5x_3-$$
$$16384u_5^2u_4^{13}u_2^{12}u_1^{14}x_{12}x_5 - 8192u_6u_5u_4^{13}u_2^{12}u_1^{13}x_{12}x_4x_3+$$
$$16384u_6u_5u_4^{13}u_2^{12}u_1^{14}x_{12}x_4$$

Reduced to zero.

2967. Creating S-polynomial from the pair (p_{40}, p_{43}).

Forming S-pol of p_{40} and p_{43}:

$$p_{712} = 16384u_5u_4^{25}u_1^{14}x_{14}x_5x_4 - 16384u_6u_4^{25}u_1^{14}x_{14}x_4^2-$$
$$8192u_5u_4^{26}u_1^{13}x_5x_4^2 + 8192u_5^2u_4^{25}u_1^{13}x_5x_4x_3-$$
$$16384u_5^2u_4^{25}u_1^{14}x_5x_4 - 8192u_6u_5u_4^{25}u_1^{13}x_4^2x_3+$$
$$(16384u_6u_5u_4^{25}u_1^{14} + 16384u_6u_4^{26}u_1^{14})x_4^2 - 8192u_6u_5^2u_4^{26}u_1^{13}x_4$$

Reduced to zero.

2968. Creating S-polynomial from the pair (p_{40}, p_{44}).

Skipping pair p_{40} and p_{44} because gcd of their leading monoms is zero.

2969. Creating S-polynomial from the pair (p_{40}, p_{45}).

Skipping pair p_{40} and p_{45} because gcd of their leading monoms is zero.

2970. Creating S-polynomial from the pair (p_{40}, p_{46}).

Skipping pair p_{40} and p_{46} because gcd of their leading monoms is zero.

2971. Creating S-polynomial from the pair (p_{40}, p_{47}).

Forming S-pol of p_{40} and p_{47}: Polynomial too big for output (text size is 1644 characters, number of terms is 17)

Reduced to zero.

2972. Creating S-polynomial from the pair (p_{40}, p_{48}).

Skipping pair p_{40} and p_{48} because gcd of their leading monoms is zero.

2973. Creating S-polynomial from the pair (p_{40}, p_{49}).

Skipping pair p_{40} and p_{49} because gcd of their leading monoms is zero.

2974. Creating S-polynomial from the pair (p_{40}, p_{50}).

Skipping pair p_{40} and p_{50} because gcd of their leading monoms is zero.

2975. Creating S-polynomial from the pair (p_{40}, p_{51}).

Skipping pair p_{40} and p_{51} because gcd of their leading monoms is zero.

2976. Creating S-polynomial from the pair (p_{40}, p_{52}).

Forming S-pol of p_{40} and p_{52}: Polynomial too big for output (text size is 1425 characters, number of terms is 16)

Reduced to zero.

2977. Creating S-polynomial from the pair (p_{40}, p_{53}).

Skipping pair p_{40} and p_{53} because gcd of their leading monoms is zero.

2978. Creating S-polynomial from the pair (p_{40}, p_{54}).

Skipping pair p_{40} and p_{54} because gcd of their leading monoms is zero.

2979. Creating S-polynomial from the pair (p_{40}, p_{55}).

Skipping pair p_{40} and p_{55} because gcd of their leading monoms is zero.

2980. Creating S-polynomial from the pair (p_{40}, p_{56}).

Skipping pair p_{40} and p_{56} because gcd of their leading monoms is zero.

2981. Creating S-polynomial from the pair (p_{40}, p_{57}).

Forming S-pol of p_{40} and p_{57}: Polynomial too big for output (text size is 1659 characters, number of terms is 17)

Reduced to zero.

2982. Creating S-polynomial from the pair (p_{40}, p_{58}).

Skipping pair p_{40} and p_{58} because gcd of their leading monoms is zero.

2983. Creating S-polynomial from the pair (p_{40}, p_{59}).

Skipping pair p_{40} and p_{59} because gcd of their leading monoms is zero.

2984. Creating S-polynomial from the pair (p_{40}, p_{60}).

Skipping pair p_{40} and p_{60} because gcd of their leading monoms is zero.

2985. Creating S-polynomial from the pair (p_{40}, p_{61}).

Skipping pair p_{40} and p_{61} because gcd of their leading monoms is zero.

2986. Creating S-polynomial from the pair (p_{40}, p_{62}).

Forming S-pol of p_{40} and p_{62}: Polynomial too big for output (text size is 1435 characters, number of terms is 16)

Reduced to zero.

2987. Creating S-polynomial from the pair (p_{40}, p_{63}).

Skipping pair p_{40} and p_{63} because gcd of their leading monoms is zero.

2988. Creating S-polynomial from the pair (p_{40}, p_{64}).

Skipping pair p_{40} and p_{64} because gcd of their leading monoms is zero.

2989. Creating S-polynomial from the pair (p_{40}, p_{65}).

Forming S-pol of p_{40} and p_{65}:

$$\begin{gathered}
p_{713} = 262144u_4^{25}u_1^{18}x_{16}x_4^2 + (-32768u_5u_4^{28}u_1^{15} + 524288u_5u_4^{24}u_1^{19})x_{16}x_4 + \\
(-131072u_4^{26}u_1^{17} - 524288u_4^{24}u_1^{19})x_{14}^2x_5 + 65536u_4^{27}u_1^{16}x_{14}x_5x_4 + \\
(-65536u_5u_4^{26}u_1^{16} - 262144u_5u_4^{24}u_1^{18})x_{14}x_5x_3 + \\
(131072u_5u_4^{26}u_1^{17} + 524288u_5u_4^{24}u_1^{19})x_{14}x_5 + \\
(65536u_6u_4^{26}u_1^{16} + 262144u_6u_4^{24}u_1^{18})x_{14}x_4x_3 + \\
(-131072u_6u_4^{26}u_1^{17} - 524288u_6u_4^{24}u_1^{19})x_{14}x_4 - \\
131072u_5u_4^{25}u_1^{17}x_5x_4x_3 + 16384u_5u_4^{29}u_1^{14}x_5x_4 - \\
32768u_6u_4^{27}u_1^{15}x_4^2x_3 + 65536u_6u_4^{27}u_1^{16}x_4^2 + \\
(-16384u_6u_5u_4^{28}u_1^{14} - 65536u_6u_5u_4^{26}u_1^{16})x_4x_3
\end{gathered}$$

Reduced to zero.

2990. Creating S-polynomial from the pair (p_{40}, p_{66}).

Skipping pair p_{40} and p_{66} because gcd of their leading monoms is zero.

2991. Creating S-polynomial from the pair (p_{40}, p_{67}).

Forming S-pol of p_{40} and p_{67}: Polynomial too big for output (text size is 1300 characters, number of terms is 16)

S-pol added.

2992. Creating S-polynomial from the pair (p_{40}, p_{68}).

Forming S-pol of p_{40} and p_{68}:

$$p_{714} = -8192u_4^{20}u_1^{13}x_{16}x_4^2 - 16384u_5u_4^{19}u_1^{14}x_{16}x_4+$$
$$16384u_4^{19}u_1^{14}x_{14}^2x_5 + 8192u_5u_4^{19}u_1^{13}x_{14}x_5x_3-$$
$$16384u_5u_4^{19}u_1^{14}x_{14}x_5 - 8192u_6u_4^{19}u_1^{13}x_{14}x_4x_3+$$
$$(4096u_6u_4^{21}u_1^{12} + 16384u_6u_4^{19}u_1^{14})x_{14}x_4 + 4096u_5u_4^{20}u_1^{12}x_5x_4x_3-$$
$$2048u_6u_4^{22}u_1^{11}x_4^2 + 2048u_6u_5u_4^{21}u_1^{11}x_4x_3$$

Reduced to zero.

2993. Creating S-polynomial from the pair (p_{40}, p_{69}).

Forming S-pol of p_{40} and p_{69}:

$$p_{715} = 16384u_4^{26}u_1^{14}x_{16}x_4^2 - 8192u_5u_4^{27}u_1^{13}x_{16}x_4+$$
$$(-32768u_4^{25}u_1^{15} - 131072u_4^{23}u_1^{17})x_{14}^2x_5 + 65536u_4^{24}u_1^{16}x_{14}x_5x_4+$$
$$(-16384u_5u_4^{25}u_1^{14} - 65536u_5u_4^{23}u_1^{16})x_{14}x_5x_3+$$
$$(32768u_5u_4^{25}u_1^{15} + 131072u_5u_4^{23}u_1^{17})x_{14}x_5+$$
$$(16384u_6u_4^{25}u_1^{14} + 65536u_6u_4^{23}u_1^{16})x_{14}x_4x_3 - 32768u_6u_4^{25}u_1^{15}x_{14}x_4-$$
$$8192u_5u_4^{26}u_1^{13}x_5x_4x_3+$$
$$(4096u_5u_4^{28}u_1^{12} + 16384u_5u_4^{26}u_1^{14})x_5x_4 - 32768u_6u_4^{24}u_1^{15}x_4^2x_3+$$
$$(-4096u_6u_5u_4^{27}u_1^{12} - 16384u_6u_5u_4^{25}u_1^{14})x_4x_3$$

Reduced to zero.

2994. Creating S-polynomial from the pair (p_{40}, p_{70}).

Forming S-pol of p_{40} and p_{70}:

$$p_{716} = (-2048u_4^{23}u_1^{11} - 8192u_4^{21}u_1^{13})x_{16}x_{14}x_5+$$
$$(1024u_4^{24}u_1^{10} + 4096u_4^{22}u_1^{12})x_{16}x_5x_4+$$
$$(-1024u_5u_4^{23}u_1^{10} - 4096u_5u_4^{21}u_1^{12})x_{16}x_5x_3+$$
$$(2048u_5u_4^{23}u_1^{11} + 8192u_5u_4^{21}u_1^{13})x_{16}x_5+$$
$$(1024u_6u_4^{23}u_1^{10} + 4096u_6u_4^{21}u_1^{12})x_{16}x_4x_3+$$
$$(-512u_6u_4^{25}u_1^{9} - 2048u_6u_4^{23}u_1^{11})x_{16}x_4+$$
$$(-512u_6u_4^{24}u_1^{9} - 2048u_6u_4^{22}u_1^{11})x_5x_4x_3+$$
$$(256u_6u_4^{26}u_1^{8} + 1024u_6u_4^{24}u_1^{10})x_5x_4+$$
$$(-256u_6^2u_4^{25}u_1^{8} - 1024u_6^2u_4^{23}u_1^{10})x_4x_3$$

Reduced to zero.

2995. Creating S-polynomial from the pair (p_{40}, p_{71}).

Forming S-pol of p_{40} and p_{71}:

$$p_{717} = 4096u_5u_4^{21}u_1^{12}x_{16}x_4 + 16384u_4^{19}u_1^{14}x_{14}^2x_5 -$$
$$8192u_4^{20}u_1^{13}x_{14}x_5x_4 + 8192u_5u_4^{19}u_1^{13}x_{14}x_5x_3 -$$
$$16384u_5u_4^{19}u_1^{14}x_{14}x_5 - 8192u_6u_4^{19}u_1^{13}x_{14}x_4x_3 -$$
$$2048u_5u_4^{22}u_1^{11}x_5x_4 + 4096u_6u_4^{20}u_1^{12}x_4^2x_3 +$$
$$2048u_6u_5u_4^{21}u_1^{11}x_4x_3$$

Reduced to zero.

2996. Creating S-polynomial from the pair (p_{40}, p_{72}).

Forming S-pol of p_{40} and p_{72}: Polynomial too big for output (text size is 1129 characters, number of terms is 16)

S-pol added.

2997. Creating S-polynomial from the pair (p_{40}, p_{73}).

Forming S-pol of p_{40} and p_{73}:

$$p_{718} = 1024u_4^{17}u_1^{10}x_{16}x_{14}x_5 - 512u_4^{18}u_1^{9}x_{16}x_5x_4 +$$
$$512u_5u_4^{17}u_1^{9}x_{16}x_5x_3 - 1024u_5u_4^{17}u_1^{10}x_{16}x_5 -$$
$$512u_6u_4^{17}u_1^{9}x_{16}x_4x_3 + 256u_6u_4^{19}u_1^{8}x_{16}x_4 +$$
$$256u_6u_4^{18}u_1^{8}x_5x_4x_3 - 128u_6u_4^{20}u_1^{7}x_5x_4 +$$
$$128u_6^2u_4^{19}u_1^{7}x_4x_3$$

Reduced to zero.

2998. Creating S-polynomial from the pair (p_{40}, p_{74}).

Skipping pair p_{40} and p_{74} because gcd of their leading monoms is zero.

2999. Creating S-polynomial from the pair (p_{40}, p_{75}).

Skipping pair p_{40} and p_{75} because gcd of their leading monoms is zero.

3000. Creating S-polynomial from the pair (p_{40}, p_{76}).

Skipping pair p_{40} and p_{76} because gcd of their leading monoms is zero.

3001. Creating S-polynomial from the pair (p_{40}, p_{77}).

Skipping pair p_{40} and p_{77} because gcd of their leading monoms is zero.

3002. Creating S-polynomial from the pair (p_{40}, p_{78}).

Skipping pair p_{40} and p_{78} because gcd of their leading monoms is zero.

3003. Creating S-polynomial from the pair (p_{40}, p_{79}).

Forming S-pol of p_{40} and p_{79}: Polynomial too big for output (text size is 1033 characters, number of terms is 12)

S-pol added.

3004. Creating S-polynomial from the pair (p_{40}, p_{80}).

Skipping pair p_{40} and p_{80} because gcd of their leading monoms is zero.

3005. Creating S-polynomial from the pair (p_{40}, p_{81}).

Skipping pair p_{40} and p_{81} because gcd of their leading monoms is zero.

3006. Creating S-polynomial from the pair (p_{40}, p_{82}).

Skipping pair p_{40} and p_{82} because gcd of their leading monoms is zero.

3007. Creating S-polynomial from the pair (p_{40}, p_{83}).

Skipping pair p_{40} and p_{83} because gcd of their leading monoms is zero.

3008. Creating S-polynomial from the pair (p_{40}, p_{84}).

Skipping pair p_{40} and p_{84} because gcd of their leading monoms is zero.

3009. Creating S-polynomial from the pair (p_{40}, p_{85}).

Skipping pair p_{40} and p_{85} because gcd of their leading monoms is zero.

3010. Creating S-polynomial from the pair (p_{40}, p_{86}).

Forming S-pol of p_{40} and p_{86}: Polynomial too big for output (text size is 1027 characters, number of terms is 12)

S-pol added.

3011. Creating S-polynomial from the pair (p_{40}, p_{87}).

Skipping pair p_{40} and p_{87} because gcd of their leading monoms is zero.

3012. Creating S-polynomial from the pair (p_{40}, p_{88}).

Forming S-pol of p_{40} and p_{88}:

$$p_{719} = -65536u_5u_4^{23}u_1^{16}x_{14}x_5 + 65536u_6u_4^{23}u_1^{16}x_{14}x_4+$$
$$32768u_5u_4^{24}u_1^{15}x_5x_4 - 32768u_5^2u_4^{23}u_1^{15}x_5x_3+$$
$$65536u_5^2u_4^{23}u_1^{16}x_5 - 32768u_6u_4^{24}u_1^{15}x_4^2+$$
$$32768u_6u_5u_4^{23}u_1^{15}x_4x_3 - 65536u_6u_5u_4^{23}u_1^{16}x_4$$

Reduced to zero.

3013. Creating S-polynomial from the pair (p_{40}, p_{89}).

Skipping pair p_{40} and p_{89} because gcd of their leading monoms is zero.

3014. Creating S-polynomial from the pair (p_{40}, p_{90}).

Forming S-pol of p_{40} and p_{90}:

$$p_{720} = 33554432u_5u_4^{32}u_1^{25}x_{16}x_4^2 + 16777216u_5^2u_4^{33}u_1^{24}x_{16}x_4+$$
$$67108864u_5u_4^{31}u_1^{26}x_{14}^2x_5 - 67108864u_6u_4^{31}u_1^{26}x_{14}^2x_4-$$
$$33554432u_5u_4^{32}u_1^{25}x_{14}x_5x_4 + 33554432u_5^2u_4^{31}u_1^{25}x_{14}x_5x_3-$$
$$67108864u_5^2u_4^{31}u_1^{26}x_{14}x_5 - 33554432u_6u_5u_4^{31}u_1^{25}x_{14}x_4x_3+$$
$$(-16777216u_6u_5u_4^{33}u_1^{24} + 67108864u_6u_5u_4^{31}u_1^{26})x_{14}x_4-$$

$$16777216u_5u_4^{33}u_1^{24}x_5x_4^2 - 8388608u_5^2u_4^{34}u_1^{23}x_5x_4+$$
$$(8388608u_6u_5u_4^{34}u_1^{23} + 33554432u_6u_4^{33}u_1^{25})x_4^2-$$
$$16777216u_6u_5^2u_4^{33}u_1^{24}x_4$$

Reduced to zero.

3015. Creating S-polynomial from the pair (p_{40}, p_{91}).

Forming S-pol of p_{40} and p_{91}:

$$p_{721} = 8192u_5u_4^{21}u_1^{13}x_{16}x_4 + 32768u_4^{19}u_1^{15}x_{14}^2x_5-$$
$$16384u_4^{20}u_1^{14}x_{14}x_5x_4 + 16384u_5u_4^{19}u_1^{14}x_{14}x_5x_3-$$
$$32768u_5u_4^{19}u_1^{15}x_{14}x_5 - 16384u_6u_4^{19}u_1^{14}x_{14}x_4x_3-$$
$$4096u_5u_4^{22}u_1^{12}x_5x_4 + 8192u_6u_4^{20}u_1^{13}x_4^2x_3+$$
$$4096u_6u_5u_4^{21}u_1^{12}x_4x_3$$

Reduced to zero.

3016. Creating S-polynomial from the pair (p_{40}, p_{92}).

Forming S-pol of p_{40} and p_{92}:

$$p_{722} = -16384u_4^{20}u_1^{14}x_{16}x_4^2 - 32768u_5u_4^{19}u_1^{15}x_{16}x_4+$$
$$32768u_4^{19}u_1^{15}x_{14}^2x_5 + 16384u_5u_4^{19}u_1^{14}x_{14}x_5x_3-$$
$$32768u_5u_4^{19}u_1^{15}x_{14}x_5 - 16384u_6u_4^{19}u_1^{14}x_{14}x_4x_3+$$
$$(8192u_6u_4^{21}u_1^{13} + 32768u_6u_4^{19}u_1^{15})x_{14}x_4 + 8192u_5u_4^{20}u_1^{13}x_5x_4x_3-$$
$$4096u_6u_4^{22}u_1^{12}x_4^2 + 4096u_6u_5u_4^{21}u_1^{12}x_4x_3$$

Reduced to zero.

3017. Creating S-polynomial from the pair (p_{40}, p_{93}).

Forming S-pol of p_{40} and p_{93}:

$$p_{723} = 131072u_4^{25}u_1^{17}x_{14}x_5x_4 + (-262144u_4^{24}u_1^{18} + 131072u_4^{24}u_1^{17})x_5x_4^2x_3+$$
$$(131072u_4^{26}u_1^{17} - 65536u_4^{26}u_1^{16})x_5x_4^2 + 65536u_5u_4^{25}u_1^{16}x_5x_4x_3-$$
$$131072u_5u_4^{25}u_1^{17}x_5x_4 - 131072u_6u_4^{25}u_1^{17}x_4^2x_3+$$
$$131072u_6u_4^{25}u_1^{17}x_4^2$$

S-pol added.

3018. Creating S-polynomial from the pair (p_{40}, p_{94}).

Forming S-pol of p_{40} and p_{94}:

$$p_{724} = 1024u_4^{19}u_1^{10}x_{14}x_5 - 512u_4^{20}u_1^{9}x_5x_4 + 512u_5u_4^{19}u_1^{9}x_5x_3-$$
$$1024u_5u_4^{19}u_1^{10}x_5$$

Reduced to zero.

3019. Creating S-polynomial from the pair (p_{40}, p_{95}).

Forming S-pol of p_{40} and p_{95}: Polynomial too big for output (text size is 1107 characters, number of terms is 16)

Reduced to zero.

3020. Creating S-polynomial from the pair (p_{40}, p_{96}).

Forming S-pol of p_{40} and p_{96}:

$$p_{725} = -4096u_5u_4^{13}u_3^4u_1^{12}x_{16}x_8 + 2048u_4^{13}u_3^5u_1^{11}x_{16}x_6x_5+$$
$$4096u_6u_4^{13}u_3^4u_1^{12}x_{16}x_6 + 1024u_5u_4^{13}u_3^5u_1^{10}x_{16}x_5x_2-$$
$$1024u_6u_4^{13}u_3^5u_1^{10}x_{16}x_4x_2 - 2048u_4^{13}u_3^5u_1^{11}x_{14}x_8x_5-$$
$$1024u_5u_4^{13}u_3^5u_1^{10}x_8x_5x_3 + 2048u_5u_4^{13}u_3^5u_1^{11}x_8x_5+$$
$$1024u_6u_4^{13}u_3^5u_1^{10}x_8x_4x_3 - 2048u_6u_4^{13}u_3^5u_1^{11}x_8x_4$$

Reduced to zero.

3021. Creating S-polynomial from the pair (p_{40}, p_{97}).

Forming S-pol of p_{40} and p_{97}:

$$p_{726} = 32768u_4^{13}u_3^{13}u_1^{15}x_{16}x_6x_5+$$
$$(-131072u_4^{13}u_3^{10}u_1^{17} + 65536u_4^{13}u_3^{10}u_1^{16})x_{16}x_5x_4x_2+$$
$$65536u_4^{13}u_3^{12}u_1^{16}x_{16}x_5x_4 + 16384u_5u_4^{13}u_3^{13}u_1^{14}x_{16}x_5x_2-$$
$$32768u_5u_4^{13}u_3^{13}u_1^{15}x_{16}x_5+$$
$$(-16384u_6u_4^{13}u_3^{13}u_1^{14} - 65536u_6u_4^{13}u_3^{11}u_1^{16})x_{16}x_4x_2+$$
$$(32768u_6u_4^{13}u_3^{13}u_1^{15} + 65536u_6u_4^{13}u_3^{11}u_1^{16})x_{16}x_4-$$
$$32768u_4^{13}u_3^{13}u_1^{15}x_{14}x_8x_5 - 16384u_5u_4^{13}u_3^{13}u_1^{14}x_8x_5x_3+$$
$$32768u_5u_4^{13}u_3^{13}u_1^{15}x_8x_5 + 16384u_6u_4^{13}u_3^{13}u_1^{14}x_8x_4x_3-$$
$$32768u_6u_4^{13}u_3^{13}u_1^{15}x_8x_4$$

S-pol added.

3022. Creating S-polynomial from the pair (p_{40}, p_{98}).

Skipping pair p_{40} and p_{98} because gcd of their leading monoms is zero.

3023. Creating S-polynomial from the pair (p_{40}, p_{99}).

Forming S-pol of p_{40} and p_{99}: Polynomial too big for output (text size is 2773 characters, number of terms is 31)

Reduced to zero.

3024. Creating S-polynomial from the pair (p_{40}, p_{100}).

Forming S-pol of p_{40} and p_{100}: Polynomial too big for output (text size is 1124 characters, number of terms is 16)

Reduced to zero.

3025. Creating S-polynomial from the pair (p_{40}, p_{101}).

Forming S-pol of p_{40} and p_{101}:

$$p_{727} = -4096u_5u_4^{13}u_2^4u_1^{12}x_{16}x_{12} + 2048u_4^{13}u_2^5u_1^{11}x_{16}x_{10}x_5+$$
$$4096u_6u_4^{13}u_2^4u_1^{12}x_{16}x_{10} + 1024u_5u_4^{13}u_2^5u_1^{10}x_{16}x_5x_1-$$
$$1024u_6u_4^{13}u_2^5u_1^{10}x_{16}x_4x_1 - 2048u_4^{13}u_2^5u_1^{11}x_{14}x_{12}x_5-$$
$$1024u_5u_4^{13}u_2^5u_1^{10}x_{12}x_5x_3 + 2048u_5u_4^{13}u_2^5u_1^{11}x_{12}x_5+$$
$$1024u_6u_4^{13}u_2^5u_1^{10}x_{12}x_4x_3 - 2048u_6u_4^{13}u_2^5u_1^{11}x_{12}x_4$$

Reduced to zero.

3026. Creating S-polynomial from the pair (p_{40}, p_{102}).

Forming S-pol of p_{40} and p_{102}:

$$p_{728} = 32768u_4^{13}u_2^{13}u_1^{15}x_{16}x_{10}x_5+$$
$$(-131072u_4^{13}u_2^{10}u_1^{17} + 65536u_4^{13}u_2^{10}u_1^{16})x_{16}x_5x_4x_1+$$
$$65536u_4^{13}u_2^{12}u_1^{16}x_{16}x_5x_4 + 16384u_5u_4^{13}u_2^{13}u_1^{14}x_{16}x_5x_1-$$
$$32768u_5u_4^{13}u_2^{13}u_1^{15}x_{16}x_5+$$
$$(-16384u_6u_4^{13}u_2^{13}u_1^{14} - 65536u_6u_4^{13}u_2^{11}u_1^{16})x_{16}x_4x_1+$$
$$(32768u_6u_4^{13}u_2^{13}u_1^{15} + 65536u_6u_4^{13}u_2^{11}u_1^{16})x_{16}x_4-$$
$$32768u_4^{13}u_2^{13}u_1^{15}x_{14}x_{12}x_5 - 16384u_5u_4^{13}u_2^{13}u_1^{14}x_{12}x_5x_3+$$
$$32768u_5u_4^{13}u_2^{13}u_1^{15}x_{12}x_5 + 16384u_6u_4^{13}u_2^{13}u_1^{14}x_{12}x_4x_3-$$
$$32768u_6u_4^{13}u_2^{13}u_1^{15}x_{12}x_4$$

S-pol added.

3027. Creating S-polynomial from the pair (p_{40}, p_{103}).

Forming S-pol of p_{40} and p_{103}: Polynomial too big for output (text size is 2786 characters, number of terms is 31)

Reduced to zero.

3028. Creating S-polynomial from the pair (p_{40}, p_{104}).

Forming S-pol of p_{40} and p_{104}:

$$p_{729} = -33554432u_5u_4^{30}u_1^{25}x_{16}x_{14}x_4+$$
$$(-67108864u_5u_4^{29}u_1^{26} - 67108864u_4^{30}u_1^{26})x_{16}x_4^2+$$
$$(-8388608u_5^2u_4^{32}u_1^{23} + 33554432u_5^2u_4^{30}u_1^{25})x_{16}x_4+$$
$$67108864u_4^{29}u_1^{26}x_{14}^2x_5 + 33554432u_6u_4^{30}u_1^{25}x_{14}^2x_4+$$
$$16777216u_5u_4^{31}u_1^{24}x_{14}x_5x_4 + 33554432u_5u_4^{29}u_1^{25}x_{14}x_5x_3-$$
$$67108864u_5u_4^{29}u_1^{26}x_{14}x_5 - 33554432u_6u_4^{29}u_1^{25}x_{14}x_4x_3+$$
$$(8388608u_6u_5u_4^{32}u_1^{23} + 67108864u_6u_4^{29}u_1^{26})x_{14}x_4+$$

$$16777216u_5u_4^{30}u_1^{24}x_5x_4^2x_3 + 4194304u_5^2u_4^{33}u_1^{22}x_5x_4+$$
$$8388608u_6u_5u_4^{31}u_1^{23}x_4^2x_3+$$
$$(-4194304u_6u_5u_4^{33}u_1^{22} - 16777216u_6u_4^{32}u_1^{24})x_4^2+$$
$$8388608u_6u_5^2u_4^{32}u_1^{23}x_4$$

S-pol added.

3029. Creating S-polynomial from the pair (p_{40}, p_{105}).
Forming S-pol of p_{40} and p_{105}:

$$p_{730} = -4096u_5u_4^{17}u_1^{12}x_{16}x_4 + 4096u_6u_4^{17}u_1^{12}x_{14}x_4+$$
$$2048u_5u_4^{18}u_1^{11}x_5x_4 - 2048u_6u_4^{18}u_1^{11}x_4^2$$

Reduced to zero.

3030. Creating S-polynomial from the pair (p_{40}, p_{106}).
Forming S-pol of p_{40} and p_{106}:

$$p_{731} = (-131072u_4^{23}u_1^{17} + 65536u_4^{23}u_1^{16})x_5x_4^2x_3 + 65536u_4^{25}u_1^{16}x_5x_4^2-$$
$$65536u_6u_4^{24}u_1^{16}x_4^2x_3 + 65536u_6u_4^{24}u_1^{16}x_4^2$$

S-pol added.

3031. Creating S-polynomial from the pair (p_{41}, p_{42}).
Forming S-pol of p_{41} and p_{42}:

$$p_{732} = -16384u_6u_5u_3^{12}u_2^{12}u_1^{14}x_{12}x_6x_4-$$
$$8192u_5^2u_3^{13}u_2^{12}u_1^{13}x_{12}x_5x_4 + 16384u_6u_5u_3^{13}u_2^{12}u_1^{14}x_{12}x_4-$$
$$8192u_6u_5^3u_3^{13}u_2^{12}u_1^{13}x_{12} + 16384u_6u_5u_3^{12}u_2^{12}u_1^{14}x_{10}x_8x_4+$$
$$8192u_5^2u_3^{12}u_2^{13}u_1^{13}x_8x_5x_4 - 16384u_6u_5u_3^{12}u_2^{13}u_1^{14}x_8x_4+$$
$$8192u_6u_5^3u_3^{12}u_2^{13}u_1^{13}x_8$$

Reduced to zero.

3032. Creating S-polynomial from the pair (p_{41}, p_{43}).
Forming S-pol of p_{41} and p_{43}:

$$p_{733} = -16384u_6u_5u_4^{12}u_3^{12}u_1^{14}x_{16}x_6x_4-$$
$$8192u_5^2u_4^{12}u_3^{13}u_1^{13}x_{16}x_5x_4 + 16384u_6u_5u_4^{12}u_3^{13}u_1^{14}x_{16}x_4-$$
$$8192u_6u_5^3u_4^{12}u_3^{13}u_1^{13}x_{16} + 16384u_6u_5u_4^{12}u_3^{12}u_1^{14}x_{14}x_8x_4+$$
$$8192u_5^2u_4^{13}u_3^{12}u_1^{13}x_8x_5x_4 - 16384u_6u_5u_4^{13}u_3^{12}u_1^{14}x_8x_4+$$
$$8192u_6u_5^3u_4^{13}u_3^{12}u_1^{13}x_8$$

Reduced to zero.

3033. Creating S-polynomial from the pair (p_{41}, p_{44}).

Skipping pair p_{41} and p_{44} because gcd of their leading monoms is zero.

3034. Creating S-polynomial from the pair (p_{41}, p_{45}).

Forming S-pol of p_{41} and p_{45}:

$$p_{734} = -262144u_5u_3^{24}u_1^{18}x_8x_4^2+$$
$$(32768u_5^2u_3^{27}u_1^{15} - 524288u_5^2u_3^{23}u_1^{19})x_8x_4+$$
$$(131072u_6u_3^{25}u_1^{17} + 524288u_6u_3^{23}u_1^{19})x_6^2x_4+$$
$$262144u_5u_3^{24}u_1^{18}x_6x_5x_4+$$
$$(-131072u_6u_3^{26}u_1^{17} - 524288u_6u_3^{24}u_1^{19})x_6x_4+$$
$$(65536u_6u_5^2u_3^{26}u_1^{16} + 262144u_6u_5^2u_3^{24}u_1^{18})x_6+$$
$$131072u_5^2u_3^{24}u_1^{17}x_5x_4x_2 - 16384u_5^2u_3^{28}u_1^{14}x_5x_4+$$
$$32768u_6u_5u_3^{26}u_1^{15}x_4^2x_2 - 65536u_6u_5u_3^{26}u_1^{16}x_4^2+$$
$$(16384u_6u_5^2u_3^{27}u_1^{14} + 65536u_6u_5^2u_3^{25}u_1^{16})x_4x_2$$

Reduced to zero.

3035. Creating S-polynomial from the pair (p_{41}, p_{46}).

Skipping pair p_{41} and p_{46} because gcd of their leading monoms is zero.

3036. Creating S-polynomial from the pair (p_{41}, p_{47}).

Forming S-pol of p_{41} and p_{47}: Polynomial too big for output (text size is 1270 characters, number of terms is 14)

S-pol added.

3037. Creating S-polynomial from the pair (p_{41}, p_{48}).

Forming S-pol of p_{41} and p_{48}:

$$p_{735} = 8192u_5u_3^{19}u_1^{13}x_8x_4^2 + 16384u_5^2u_3^{18}u_1^{14}x_8x_4-$$
$$16384u_6u_3^{18}u_1^{14}x_6^2x_4 - 8192u_5u_3^{19}u_1^{13}x_6x_5x_4+$$
$$(-4096u_6u_5u_3^{20}u_1^{12} + 16384u_6u_3^{19}u_1^{14})x_6x_4-$$
$$8192u_6u_5^2u_3^{19}u_1^{13}x_6 - 4096u_5^2u_3^{19}u_1^{12}x_5x_4x_2+$$
$$2048u_6u_5u_3^{21}u_1^{11}x_4^2 - 2048u_6u_5^2u_3^{20}u_1^{11}x_4x_2$$

Reduced to zero.

3038. Creating S-polynomial from the pair (p_{41}, p_{49}).

Forming S-pol of p_{41} and p_{49}:

$$p_{736} = -16384u_5u_3^{25}u_1^{14}x_8x_4^2 + 8192u_5^2u_3^{26}u_1^{13}x_8x_4+$$
$$(32768u_6u_3^{24}u_1^{15} + 131072u_6u_3^{22}u_1^{17})x_6^2x_4+$$
$$16384u_5u_3^{25}u_1^{14}x_6x_5x_4+$$

$$(-131072u_6u_5u_3^{22}u_1^{17} - 32768u_6u_3^{25}u_1^{15} - 131072u_6u_3^{23}u_1^{17})x_6x_4+$$
$$(16384u_6u_5^2u_3^{25}u_1^{14} + 65536u_6u_5^2u_3^{23}u_1^{16})x_6+$$
$$8192u_5^2u_3^{25}u_1^{13}x_5x_4x_2+$$
$$(-4096u_5^2u_3^{27}u_1^{12} - 16384u_5^2u_3^{25}u_1^{14})x_5x_4+$$
$$32768u_6u_5u_3^{23}u_1^{15}x_4^2x_2+$$
$$(4096u_6u_5^2u_3^{26}u_1^{12} + 16384u_6u_5^2u_3^{24}u_1^{14})x_4x_2$$

Reduced to zero.

3039. Creating S-polynomial from the pair (p_{41}, p_{50}).

Forming S-pol of p_{41} and p_{50}:

$$p_{737} = (2048u_6u_3^{22}u_1^{11} + 8192u_6u_3^{20}u_1^{13})x_8x_6x_4+$$
$$(512u_6u_5u_3^{24}u_1^{9} - 8192u_6u_5u_3^{20}u_1^{13} - 2048u_6u_3^{23}u_1^{11}-$$
$$8192u_6u_3^{21}u_1^{13})x_8x_4+$$
$$(1024u_6u_5^2u_3^{23}u_1^{10} + 4096u_6u_5^2u_3^{21}u_1^{12})x_8+$$
$$(512u_6u_5u_3^{23}u_1^{9} + 2048u_6u_5u_3^{21}u_1^{11})x_5x_4x_2+$$
$$(-256u_6u_5u_3^{25}u_1^{8} - 1024u_6u_5u_3^{23}u_1^{10})x_5x_4+$$
$$(256u_6^2u_5u_3^{24}u_1^{8} + 1024u_6^2u_5u_3^{22}u_1^{10})x_4x_2$$

Reduced to zero.

3040. Creating S-polynomial from the pair (p_{41}, p_{51}).

Forming S-pol of p_{41} and p_{51}:

$$p_{738} = -4096u_5^2u_3^{20}u_1^{12}x_8x_4 - 16384u_6u_3^{18}u_1^{14}x_6^2x_4+$$
$$(16384u_6u_5u_3^{18}u_1^{14} + 16384u_6u_3^{19}u_1^{14})x_6x_4-$$
$$8192u_6u_5^2u_3^{19}u_1^{13}x_6 + 2048u_5^2u_3^{21}u_1^{11}x_5x_4-$$
$$4096u_6u_5u_3^{19}u_1^{12}x_4^2x_2 - 2048u_6u_5^2u_3^{20}u_1^{11}x_4x_2$$

Reduced to zero.

3041. Creating S-polynomial from the pair (p_{41}, p_{52}).

Forming S-pol of p_{41} and p_{52}: Polynomial too big for output (text size is 1119 characters, number of terms is 14)

S-pol added.

3042. Creating S-polynomial from the pair (p_{41}, p_{53}).

Forming S-pol of p_{41} and p_{53}:

$$p_{739} = -1024u_6u_3^{16}u_1^{10}x_8x_6x_4+$$
$$(-256u_6u_5u_3^{18}u_1^{8} + 1024u_6u_5u_3^{16}u_1^{10} + 1024u_6u_3^{17}u_1^{10})x_8x_4-$$
$$512u_6u_5^2u_3^{17}u_1^{9}x_8 - 256u_6u_5u_3^{17}u_1^{8}x_5x_4x_2+$$
$$128u_6u_5u_3^{19}u_1^{7}x_5x_4 - 128u_6^2u_5u_3^{18}u_1^{7}x_4x_2$$

Reduced to zero.

3043. Creating S-polynomial from the pair (p_{41}, p_{54}).

Skipping pair p_{41} and p_{54} because gcd of their leading monoms is zero.

3044. Creating S-polynomial from the pair (p_{41}, p_{55}).

Skipping pair p_{41} and p_{55} because gcd of their leading monoms is zero.

3045. Creating S-polynomial from the pair (p_{41}, p_{56}).

Skipping pair p_{41} and p_{56} because gcd of their leading monoms is zero.

3046. Creating S-polynomial from the pair (p_{41}, p_{57}).

Forming S-pol of p_{41} and p_{57}: Polynomial too big for output (text size is 1616 characters, number of terms is 16)

Reduced to zero.

3047. Creating S-polynomial from the pair (p_{41}, p_{58}).

Skipping pair p_{41} and p_{58} because gcd of their leading monoms is zero.

3048. Creating S-polynomial from the pair (p_{41}, p_{59}).

Skipping pair p_{41} and p_{59} because gcd of their leading monoms is zero.

3049. Creating S-polynomial from the pair (p_{41}, p_{60}).

Skipping pair p_{41} and p_{60} because gcd of their leading monoms is zero.

3050. Creating S-polynomial from the pair (p_{41}, p_{61}).

Skipping pair p_{41} and p_{61} because gcd of their leading monoms is zero.

3051. Creating S-polynomial from the pair (p_{41}, p_{62}).

Forming S-pol of p_{41} and p_{62}: Polynomial too big for output (text size is 1415 characters, number of terms is 15)

Reduced to zero.

3052. Creating S-polynomial from the pair (p_{41}, p_{63}).

Skipping pair p_{41} and p_{63} because gcd of their leading monoms is zero.

3053. Creating S-polynomial from the pair (p_{41}, p_{64}).

Skipping pair p_{41} and p_{64} because gcd of their leading monoms is zero.

3054. Creating S-polynomial from the pair (p_{41}, p_{65}).

Skipping pair p_{41} and p_{65} because gcd of their leading monoms is zero.

3055. Creating S-polynomial from the pair (p_{41}, p_{66}).

Skipping pair p_{41} and p_{66} because gcd of their leading monoms is zero.

3056. Creating S-polynomial from the pair (p_{41}, p_{67}).

Forming S-pol of p_{41} and p_{67}: Polynomial too big for output (text size is 1616 characters, number of terms is 16)

Reduced to zero.

3057. Creating S-polynomial from the pair (p_{41}, p_{68}).

Skipping pair p_{41} and p_{68} because gcd of their leading monoms is zero.

3058. Creating S-polynomial from the pair (p_{41}, p_{69}).

Skipping pair p_{41} and p_{69} because gcd of their leading monoms is zero.

3059. Creating S-polynomial from the pair (p_{41}, p_{70}).

Skipping pair p_{41} and p_{70} because gcd of their leading monoms is zero.

3060. Creating S-polynomial from the pair (p_{41}, p_{71}).

Skipping pair p_{41} and p_{71} because gcd of their leading monoms is zero.

3061. Creating S-polynomial from the pair (p_{41}, p_{72}).

Forming S-pol of p_{41} and p_{72}: Polynomial too big for output (text size is 1415 characters, number of terms is 15)

Reduced to zero.

3062. Creating S-polynomial from the pair (p_{41}, p_{73}).

Skipping pair p_{41} and p_{73} because gcd of their leading monoms is zero.

3063. Creating S-polynomial from the pair (p_{41}, p_{74}).

Skipping pair p_{41} and p_{74} because gcd of their leading monoms is zero.

3064. Creating S-polynomial from the pair (p_{41}, p_{75}).

Skipping pair p_{41} and p_{75} because gcd of their leading monoms is zero.

3065. Creating S-polynomial from the pair (p_{41}, p_{76}).

Skipping pair p_{41} and p_{76} because gcd of their leading monoms is zero.

3066. Creating S-polynomial from the pair (p_{41}, p_{77}).

Skipping pair p_{41} and p_{77} because gcd of their leading monoms is zero.

3067. Creating S-polynomial from the pair (p_{41}, p_{78}).

Skipping pair p_{41} and p_{78} because gcd of their leading monoms is zero.

3068. Creating S-polynomial from the pair (p_{41}, p_{79}).

Forming S-pol of p_{41} and p_{79}:

$$p_{740} = (65536u_6u_3^{12}u_2^{14}u_1^{16} - 131072u_6u_3^{12}u_2^{12}u_1^{17})x_{12}x_6x_4+$$
$$(32768u_5u_3^{13}u_2^{14}u_1^{15} - 65536u_5u_3^{13}u_2^{12}u_1^{16})x_{12}x_5x_4+$$
$$(-65536u_6u_3^{13}u_2^{14}u_1^{16} + 131072u_6u_3^{13}u_2^{12}u_1^{17})x_{12}x_4+$$
$$(32768u_6u_5^2u_3^{13}u_2^{14}u_1^{15} - 65536u_6u_5^2u_3^{13}u_2^{12}u_1^{16})x_{12}-$$
$$65536u_5u_3^{12}u_2^{14}u_1^{16}x_{10}x_8x_5+$$
$$(262144u_5u_3^{12}u_2^{11}u_1^{18} - 131072u_5u_3^{12}u_2^{11}u_1^{17})x_8x_5x_4x_1+$$
$$(-131072u_5u_3^{12}u_2^{13}u_1^{17} + 65536u_5u_3^{12}u_2^{13}u_1^{16})x_8x_5x_4-$$
$$32768u_5^2u_3^{12}u_2^{14}u_1^{15}x_8x_5x_1 + 65536u_5^2u_3^{12}u_2^{14}u_1^{16}x_8x_5+$$

$$(32768u_6u_5u_3^{12}u_2^{14}u_1^{15} + 131072u_6u_5u_3^{12}u_2^{12}u_1^{17} -$$
$$65536u_6u_5u_3^{12}u_2^{12}u_1^{16})x_8x_4x_1 - 65536u_6u_5u_3^{12}u_2^{14}u_1^{16}x_8x_4$$

S-pol added.

3069. Creating S-polynomial from the pair (p_{41}, p_{80}).
Skipping pair p_{41} and p_{80} because gcd of their leading monoms is zero.

3070. Creating S-polynomial from the pair (p_{41}, p_{81}).
Forming S-pol of p_{41} and p_{81}:

$$p_{741} = 32768u_6u_5u_3^{23}u_1^{15}x_4^2 - 65536u_6u_5u_3^{23}u_1^{16}x_4 +$$
$$32768u_6u_5^3u_3^{23}u_1^{15}$$

Reduced to zero.

3071. Creating S-polynomial from the pair (p_{41}, p_{82}).
Skipping pair p_{41} and p_{82} because gcd of their leading monoms is zero.

3072. Creating S-polynomial from the pair (p_{41}, p_{83}).
Forming S-pol of p_{41} and p_{83}:

$$p_{742} = -33554432u_5^2u_3^{31}u_1^{25}x_8x_4^2 - 16777216u_5^3u_3^{32}u_1^{24}x_8x_4 +$$
$$(16777216u_6u_5^2u_3^{32}u_1^{24} + 67108864u_6u_5u_3^{31}u_1^{26})x_6x_4 -$$
$$33554432u_6u_5^3u_3^{31}u_1^{25}x_6 + 16777216u_5^2u_3^{32}u_1^{24}x_5x_4^2 +$$
$$8388608u_5^3u_3^{33}u_1^{23}x_5x_4 +$$
$$(-8388608u_6u_5^2u_3^{33}u_1^{23} - 33554432u_6u_5u_3^{32}u_1^{25})x_4^2 +$$
$$16777216u_6u_5^3u_3^{32}u_1^{24}x_4$$

Reduced to zero.

3073. Creating S-polynomial from the pair (p_{41}, p_{84}).
Forming S-pol of p_{41} and p_{84}:

$$p_{743} = -8192u_5^2u_3^{20}u_1^{13}x_8x_4 - 32768u_6u_3^{18}u_1^{15}x_6^2x_4 +$$
$$(32768u_6u_5u_3^{18}u_1^{15} + 32768u_6u_3^{19}u_1^{15})x_6x_4 -$$
$$16384u_6u_5^2u_3^{19}u_1^{14}x_6 + 4096u_5^2u_3^{21}u_1^{12}x_5x_4 -$$
$$8192u_6u_5u_3^{19}u_1^{13}x_4^2x_2 - 4096u_6u_5^2u_3^{20}u_1^{12}x_4x_2$$

Reduced to zero.

3074. Creating S-polynomial from the pair (p_{41}, p_{85}).
Forming S-pol of p_{41} and p_{85}:

$$p_{744} = 16384u_5u_3^{19}u_1^{14}x_8x_4^2 + 32768u_5^2u_3^{18}u_1^{15}x_8x_4 -$$
$$32768u_6u_3^{18}u_1^{15}x_6^2x_4 - 16384u_5u_3^{19}u_1^{14}x_6x_5x_4 +$$
$$(-8192u_6u_5u_3^{20}u_1^{13} + 32768u_6u_3^{19}u_1^{15})x_6x_4 -$$
$$16384u_6u_5^2u_3^{19}u_1^{14}x_6 - 8192u_5^2u_3^{19}u_1^{13}x_5x_4x_2 +$$
$$4096u_6u_5u_3^{21}u_1^{12}x_4^2 - 4096u_6u_5^2u_3^{20}u_1^{12}x_4x_2$$

Reduced to zero.

3075. Creating S-polynomial from the pair (p_{41}, p_{86}).

Forming S-pol of p_{41} and p_{86}:

$$p_{745} = -65536u_5u_3^{26}u_1^{16}x_6x_5x_4+$$
$$(65536u_6u_3^{26}u_1^{16} - 131072u_6u_3^{24}u_1^{17})x_6x_4^2+$$
$$(262144u_5u_3^{23}u_1^{18} - 131072u_5u_3^{23}u_1^{17})x_5x_4^2x_2+$$
$$(32768u_5u_3^{27}u_1^{15} - 131072u_5u_3^{25}u_1^{17})x_5x_4^2-$$
$$32768u_5^2u_3^{26}u_1^{15}x_5x_4x_2 + 65536u_5^2u_3^{26}u_1^{16}x_5x_4+$$
$$(32768u_6u_5u_3^{26}u_1^{15} + 131072u_6u_5u_3^{24}u_1^{17}-$$
$$65536u_6u_5u_3^{24}u_1^{16})x_4^2x_2+$$
$$(-65536u_6u_5u_3^{26}u_1^{16} - 65536u_6u_3^{27}u_1^{16} + 131072u_6u_3^{25}u_1^{17})x_4^2+$$
$$(32768u_6u_5^2u_3^{27}u_1^{15} - 65536u_6u_5^2u_3^{25}u_1^{16})x_4$$

S-pol added.

3076. Creating S-polynomial from the pair (p_{41}, p_{87}).

Forming S-pol of p_{41} and p_{87}:

$$p_{746} = -1024u_6u_3^{18}u_1^{10}x_6x_4 - 512u_6u_5u_3^{18}u_1^9x_4x_2+$$
$$(1024u_6u_5u_3^{18}u_1^{10} + 1024u_6u_3^{19}u_1^{10})x_4 - 512u_6u_5^2u_3^{19}u_1^9$$

Reduced to zero.

3077. Creating S-polynomial from the pair (p_{41}, p_{88}).

Skipping pair p_{41} and p_{88} because gcd of their leading monoms is zero.

3078. Creating S-polynomial from the pair (p_{41}, p_{89}).

Skipping pair p_{41} and p_{89} because gcd of their leading monoms is zero.

3079. Creating S-polynomial from the pair (p_{41}, p_{90}).

Skipping pair p_{41} and p_{90} because gcd of their leading monoms is zero.

3080. Creating S-polynomial from the pair (p_{41}, p_{91}).

Skipping pair p_{41} and p_{91} because gcd of their leading monoms is zero.

3081. Creating S-polynomial from the pair (p_{41}, p_{92}).

Skipping pair p_{41} and p_{92} because gcd of their leading monoms is zero.

3082. Creating S-polynomial from the pair (p_{41}, p_{93}).

Forming S-pol of p_{41} and p_{93}:

$$p_{747} = (65536u_6u_4^{14}u_3^{12}u_1^{16} - 131072u_6u_4^{12}u_3^{12}u_1^{17})x_{16}x_6x_4+$$
$$(32768u_5u_4^{14}u_3^{13}u_1^{15} - 65536u_5u_4^{12}u_3^{13}u_1^{16})x_{16}x_5x_4+$$
$$(-65536u_6u_4^{14}u_3^{13}u_1^{16} + 131072u_6u_4^{12}u_3^{13}u_1^{17})x_{16}x_4+$$
$$(32768u_6u_5^2u_4^{14}u_3^{13}u_1^{15} - 65536u_6u_5^2u_4^{12}u_3^{13}u_1^{16})x_{16}-$$

$$65536u_5u_4^{14}u_3^{12}u_1^{16}x_{14}x_8x_5+$$
$$(262144u_5u_4^{11}u_3^{12}u_1^{18}-131072u_5u_4^{11}u_3^{12}u_1^{17})x_8x_5x_4x_3+$$
$$(-131072u_5u_4^{13}u_3^{12}u_1^{17}+65536u_5u_4^{13}u_3^{12}u_1^{16})x_8x_5x_4-$$
$$32768u_5^2u_4^{14}u_3^{12}u_1^{15}x_8x_5x_3+65536u_5^2u_4^{14}u_3^{12}u_1^{16}x_8x_5+$$
$$(32768u_6u_5u_4^{14}u_3^{12}u_1^{15}+131072u_6u_5u_4^{12}u_3^{12}u_1^{17}-$$
$$65536u_6u_5u_4^{12}u_3^{12}u_1^{16})x_8x_4x_3-65536u_6u_5u_4^{14}u_3^{12}u_1^{16}x_8x_4$$

S-pol added.

3083. Creating S-polynomial from the pair (p_{41}, p_{94}).

Skipping pair p_{41} and p_{94} because gcd of their leading monoms is zero.

3084. Creating S-polynomial from the pair (p_{41}, p_{95}).

Forming S-pol of p_{41} and p_{95}:

$$p_{748}=33554432u_5^2u_3^{29}u_1^{25}x_8x_6x_4+$$
$$(67108864u_5^2u_3^{28}u_1^{26}+67108864u_5u_3^{29}u_1^{26})x_8x_4^2+$$
$$(8388608u_5^3u_3^{31}u_1^{23}-33554432u_5^3u_3^{29}u_1^{25})x_8x_4+$$
$$(-33554432u_6u_5u_3^{29}u_1^{25}-67108864u_6u_3^{28}u_1^{26})x_6^2x_4+$$
$$(-16777216u_5^2u_3^{30}u_1^{24}-33554432u_5u_3^{29}u_1^{25})x_6x_5x_4+$$
$$(-8388608u_6u_5^2u_3^{31}u_1^{23}+67108864u_6u_3^{29}u_1^{26})x_6x_4-$$
$$33554432u_6u_5^2u_3^{29}u_1^{25}x_6-16777216u_5^2u_3^{29}u_1^{24}x_5x_4^2x_2-$$
$$4194304u_5^3u_3^{32}u_1^{22}x_5x_4-8388608u_6u_5^2u_3^{30}u_1^{23}x_4^2x_2+$$
$$(4194304u_6u_5^2u_3^{32}u_1^{22}+16777216u_6u_5u_3^{31}u_1^{24})x_4^2-$$
$$8388608u_6u_5^3u_3^{31}u_1^{23}x_4$$

S-pol added.

3085. Creating S-polynomial from the pair (p_{41}, p_{96}).

Forming S-pol of p_{41} and p_{96}:

$$p_{749}=4096u_5^2u_3^{16}u_1^{12}x_8x_4-2048u_5u_3^{17}u_1^{11}x_6x_5x_4+$$
$$2048u_6u_3^{17}u_1^{11}x_6x_4^2-4096u_6u_5u_3^{16}u_1^{12}x_6x_4+$$
$$1024u_5u_3^{18}u_1^{10}x_5x_4^2-1024u_5^2u_3^{17}u_1^{10}x_5x_4x_2+$$
$$1024u_6u_5u_3^{17}u_1^{10}x_4^2x_2-2048u_6u_3^{18}u_1^{11}x_4^2+$$
$$1024u_6u_5^2u_3^{18}u_1^{10}x_4$$

Reduced to zero.

3086. Creating S-polynomial from the pair (p_{41}, p_{97}).

Forming S-pol of p_{41} and p_{97}:

$$p_{750} = -32768u_5u_3^{25}u_1^{15}x_6x_5x_4 + 32768u_6u_3^{25}u_1^{15}x_6x_4^2+$$
$$(131072u_5u_3^{22}u_1^{17} - 65536u_5u_3^{22}u_1^{16})x_5x_4^2x_2+$$
$$(16384u_5u_3^{26}u_1^{14} - 65536u_5u_3^{24}u_1^{16})x_5x_4^2-$$
$$16384u_5^2u_3^{25}u_1^{14}x_5x_4x_2 + 32768u_5^2u_3^{25}u_1^{15}x_5x_4+$$
$$(16384u_6u_5u_3^{25}u_1^{14} + 65536u_6u_5u_3^{23}u_1^{16})x_4^2x_2+$$
$$(-32768u_6u_5u_3^{25}u_1^{15} - 65536u_6u_5u_3^{23}u_1^{16} - 32768u_6u_3^{26}u_1^{15})x_4^2+$$
$$16384u_6u_5^2u_3^{26}u_1^{14}x_4$$

S-pol added.

3087. Creating S-polynomial from the pair (p_{41}, p_{98}).

Forming S-pol of p_{41} and p_{98}: Polynomial too big for output (text size is 2548 characters, number of terms is 28)

Reduced to zero.

3088. Creating S-polynomial from the pair (p_{41}, p_{99}).

Forming S-pol of p_{41} and p_{99}: Polynomial too big for output (text size is 2550 characters, number of terms is 28)

Reduced to zero.

3089. Creating S-polynomial from the pair (p_{41}, p_{100}).

Forming S-pol of p_{41} and p_{100}: Polynomial too big for output (text size is 1094 characters, number of terms is 15)

Reduced to zero.

3090. Creating S-polynomial from the pair (p_{41}, p_{101}).

Forming S-pol of p_{41} and p_{101}:

$$p_{751} = 4096u_5^2u_3^{12}u_2^4u_1^{12}x_{12}x_8 + 2048u_6u_3^{12}u_2^5u_1^{11}x_{12}x_6x_4+$$
$$1024u_5u_3^{13}u_2^5u_1^{10}x_{12}x_5x_4 - 2048u_6u_3^{13}u_2^5u_1^{11}x_{12}x_4+$$
$$1024u_6u_5^2u_3^{13}u_2^5u_1^{10}x_{12} - 2048u_5u_3^{12}u_2^5u_1^{11}x_{10}x_8x_5-$$
$$4096u_6u_5u_3^{12}u_2^4u_1^{12}x_{10}x_8 - 1024u_5^2u_3^{12}u_2^5u_1^{10}x_8x_5x_1+$$
$$1024u_6u_5u_3^{12}u_2^5u_1^{10}x_8x_4x_1$$

Reduced to zero.

3091. Creating S-polynomial from the pair (p_{41}, p_{102}).

Forming S-pol of p_{41} and p_{102}:

$$p_{752} = 32768u_6u_3^{12}u_2^{13}u_1^{15}x_{12}x_6x_4 + 16384u_5u_3^{13}u_2^{13}u_1^{14}x_{12}x_5x_4 -$$
$$32768u_6u_3^{13}u_2^{13}u_1^{15}x_{12}x_4 + 16384u_6u_5^2u_3^{13}u_2^{13}u_1^{14}x_{12} -$$
$$32768u_5u_3^{12}u_2^{13}u_1^{15}x_{10}x_8x_5 +$$
$$(131072u_5u_3^{12}u_2^{10}u_1^{17} - 65536u_5u_3^{12}u_2^{10}u_1^{16})x_8x_5x_4x_1 -$$
$$65536u_5u_3^{12}u_2^{12}u_1^{16}x_8x_5x_4 - 16384u_5^2u_3^{12}u_2^{13}u_1^{14}x_8x_5x_1 +$$
$$32768u_5^2u_3^{12}u_2^{13}u_1^{15}x_8x_5 +$$
$$(16384u_6u_5u_3^{12}u_2^{13}u_1^{14} + 65536u_6u_5u_3^{12}u_2^{11}u_1^{16})x_8x_4x_1 +$$
$$(-32768u_6u_5u_3^{12}u_2^{13}u_1^{15} - 65536u_6u_5u_3^{12}u_2^{11}u_1^{16})x_8x_4$$

S-pol added.

3092. Creating S-polynomial from the pair (p_{41}, p_{103}).

Skipping pair p_{41} and p_{103} because gcd of their leading monoms is zero.

3093. Creating S-polynomial from the pair (p_{41}, p_{104}).

Forming S-pol of p_{41} and p_{104}: Polynomial too big for output (text size is 1094 characters, number of terms is 15)

Reduced to zero.

3094. Creating S-polynomial from the pair (p_{41}, p_{105}).

Forming S-pol of p_{41} and p_{105}:

$$p_{753} = 4096u_5^2u_4^4u_3^{12}u_1^{12}x_{16}x_8 + 2048u_6u_4^5u_3^{12}u_1^{11}x_{16}x_6x_4 +$$
$$1024u_5u_4^5u_3^{13}u_1^{10}x_{16}x_5x_4 - 2048u_6u_4^5u_3^{13}u_1^{11}x_{16}x_4 +$$
$$1024u_6u_5^2u_4^5u_3^{13}u_1^{10}x_{16} - 2048u_5u_4^5u_3^{12}u_1^{11}x_{14}x_8x_5 -$$
$$4096u_6u_5u_4^4u_3^{12}u_1^{12}x_{14}x_8 - 1024u_5^2u_4^5u_3^{12}u_1^{10}x_8x_5x_3 +$$
$$1024u_6u_5u_4^5u_3^{12}u_1^{10}x_8x_4x_3$$

Reduced to zero.

3095. Creating S-polynomial from the pair (p_{41}, p_{106}).

Forming S-pol of p_{41} and p_{106}:

$$p_{754} = 32768u_6u_4^{13}u_3^{12}u_1^{15}x_{16}x_6x_4 + 16384u_5u_4^{13}u_3^{13}u_1^{14}x_{16}x_5x_4 -$$
$$32768u_6u_4^{13}u_3^{13}u_1^{15}x_{16}x_4 + 16384u_6u_5^2u_4^{13}u_3^{13}u_1^{14}x_{16} -$$
$$32768u_5u_4^{13}u_3^{12}u_1^{15}x_{14}x_8x_5 +$$
$$(131072u_5u_4^{10}u_3^{12}u_1^{17} - 65536u_5u_4^{10}u_3^{12}u_1^{16})x_8x_5x_4x_3 -$$
$$65536u_5u_4^{12}u_3^{12}u_1^{16}x_8x_5x_4 - 16384u_5^2u_4^{13}u_3^{12}u_1^{14}x_8x_5x_3 +$$
$$32768u_5^2u_4^{13}u_3^{12}u_1^{15}x_8x_5 +$$
$$(16384u_6u_5u_4^{13}u_3^{12}u_1^{14} + 65536u_6u_5u_4^{11}u_3^{12}u_1^{16})x_8x_4x_3 +$$
$$(-32768u_6u_5u_4^{13}u_3^{12}u_1^{15} - 65536u_6u_5u_4^{11}u_3^{12}u_1^{16})x_8x_4$$

S-pol added.

3096. Creating S-polynomial from the pair (p_{42}, p_{43}).

Forming S-pol of p_{42} and p_{43}:

$$p_{755} = -16384u_6u_5u_4^{12}u_2^{12}u_1^{14}x_{16}x_{10}x_4-$$
$$8192u_5^2u_4^{12}u_2^{13}u_1^{13}x_{16}x_5x_4 + 16384u_6u_5u_4^{12}u_2^{13}u_1^{14}x_{16}x_4-$$
$$8192u_6u_5^3u_4^{12}u_2^{13}u_1^{13}x_{16} + 16384u_6u_5u_4^{12}u_2^{12}u_1^{14}x_{14}x_{12}x_4+$$
$$8192u_5^2u_4^{13}u_2^{12}u_1^{13}x_{12}x_5x_4 - 16384u_6u_5u_4^{13}u_2^{12}u_1^{14}x_{12}x_4+$$
$$8192u_6u_5^3u_4^{13}u_2^{12}u_1^{13}x_{12}$$

Reduced to zero.

3097. Creating S-polynomial from the pair (p_{42}, p_{44}).

Skipping pair p_{42} and p_{44} because gcd of their leading monoms is zero.

3098. Creating S-polynomial from the pair (p_{42}, p_{45}).

Skipping pair p_{42} and p_{45} because gcd of their leading monoms is zero.

3099. Creating S-polynomial from the pair (p_{42}, p_{46}).

Skipping pair p_{42} and p_{46} because gcd of their leading monoms is zero.

3100. Creating S-polynomial from the pair (p_{42}, p_{47}).

Forming S-pol of p_{42} and p_{47}: Polynomial too big for output (text size is 1616 characters, number of terms is 16)

Reduced to zero.

3101. Creating S-polynomial from the pair (p_{42}, p_{48}).

Skipping pair p_{42} and p_{48} because gcd of their leading monoms is zero.

3102. Creating S-polynomial from the pair (p_{42}, p_{49}).

Skipping pair p_{42} and p_{49} because gcd of their leading monoms is zero.

3103. Creating S-polynomial from the pair (p_{42}, p_{50}).

Skipping pair p_{42} and p_{50} because gcd of their leading monoms is zero.

3104. Creating S-polynomial from the pair (p_{42}, p_{51}).

Skipping pair p_{42} and p_{51} because gcd of their leading monoms is zero.

3105. Creating S-polynomial from the pair (p_{42}, p_{52}).

Forming S-pol of p_{42} and p_{52}: Polynomial too big for output (text size is 1419 characters, number of terms is 15)

Reduced to zero.

3106. Creating S-polynomial from the pair (p_{42}, p_{53}).

Skipping pair p_{42} and p_{53} because gcd of their leading monoms is zero.

3107. Creating S-polynomial from the pair (p_{42}, p_{54}).

Skipping pair p_{42} and p_{54} because gcd of their leading monoms is zero.

3108. Creating S-polynomial from the pair (p_{42}, p_{55}).

Forming S-pol of p_{42} and p_{55}:

$$p_{756} = -262144u_5u_2^{24}u_1^{18}x_{12}x_4^2+$$
$$(32768u_5^2u_2^{27}u_1^{15} - 524288u_5^2u_2^{23}u_1^{19})x_{12}x_4+$$
$$(131072u_6u_2^{25}u_1^{17} + 524288u_6u_2^{23}u_1^{19})x_{10}^2x_4+$$
$$262144u_5u_2^{24}u_1^{18}x_{10}x_5x_4+$$
$$(-131072u_6u_2^{26}u_1^{17} - 524288u_6u_2^{24}u_1^{19})x_{10}x_4+$$
$$(65536u_6u_5^2u_2^{26}u_1^{16} + 262144u_6u_5^2u_2^{24}u_1^{18})x_{10}+$$
$$131072u_5^2u_2^{24}u_1^{17}x_5x_4x_1 - 16384u_5^2u_2^{28}u_1^{14}x_5x_4+$$
$$32768u_6u_5u_2^{26}u_1^{15}x_4^2x_1 - 65536u_6u_5u_2^{26}u_1^{16}x_4^2+$$
$$(16384u_6u_5^2u_2^{27}u_1^{14} + 65536u_6u_5^2u_2^{25}u_1^{16})x_4x_1$$

Reduced to zero.

3109. Creating S-polynomial from the pair (p_{42}, p_{56}).

Skipping pair p_{42} and p_{56} because gcd of their leading monoms is zero.

3110. Creating S-polynomial from the pair (p_{42}, p_{57}).

Forming S-pol of p_{42} and p_{57}: Polynomial too big for output (text size is 1277 characters, number of terms is 14)

S-pol added.

3111. Creating S-polynomial from the pair (p_{42}, p_{58}).

Forming S-pol of p_{42} and p_{58}:

$$p_{757} = 8192u_5u_2^{19}u_1^{13}x_{12}x_4^2 + 16384u_5^2u_2^{18}u_1^{14}x_{12}x_4-$$
$$16384u_6u_2^{18}u_1^{14}x_{10}^2x_4 - 8192u_5u_2^{19}u_1^{13}x_{10}x_5x_4+$$
$$(-4096u_6u_5u_2^{20}u_1^{12} + 16384u_6u_2^{19}u_1^{14})x_{10}x_4-$$
$$8192u_6u_5^2u_2^{19}u_1^{13}x_{10} - 4096u_5^2u_2^{19}u_1^{12}x_5x_4x_1+$$
$$2048u_6u_5u_2^{21}u_1^{11}x_4^2 - 2048u_6u_5^2u_2^{20}u_1^{11}x_4x_1$$

Reduced to zero.

3112. Creating S-polynomial from the pair (p_{42}, p_{59}).

Forming S-pol of p_{42} and p_{59}:

$$p_{758} = -16384u_5u_2^{25}u_1^{14}x_{12}x_4^2 + 8192u_5^2u_2^{26}u_1^{13}x_{12}x_4+$$
$$(32768u_6u_2^{24}u_1^{15} + 131072u_6u_2^{22}u_1^{17})x_{10}^2x_4+$$
$$16384u_5u_2^{25}u_1^{14}x_{10}x_5x_4+$$
$$(-131072u_6u_5u_2^{22}u_1^{17} - 32768u_6u_2^{25}u_1^{15} - 131072u_6u_2^{23}u_1^{17})x_{10}x_4+$$
$$(16384u_6u_5^2u_2^{25}u_1^{14} + 65536u_6u_5^2u_2^{23}u_1^{16})x_{10}+$$

$$8192u_5^2u_2^{25}u_1^{13}x_5x_4x_1+$$
$$(-4096u_5^2u_2^{27}u_1^{12}-16384u_5^2u_2^{25}u_1^{14})x_5x_4+$$
$$32768u_6u_5u_2^{23}u_1^{15}x_4^2x_1+$$
$$(4096u_6u_5^2u_2^{26}u_1^{12}+16384u_6u_5^2u_2^{24}u_1^{14})x_4x_1$$

Reduced to zero.

3113. Creating S-polynomial from the pair (p_{42}, p_{60}).

Forming S-pol of p_{42} and p_{60}:

$$p_{759} = (2048u_6u_2^{22}u_1^{11}+8192u_6u_2^{20}u_1^{13})x_{12}x_{10}x_4+$$
$$(512u_6u_5u_2^{24}u_1^9-8192u_6u_5u_2^{20}u_1^{13}-2048u_6u_2^{23}u_1^{11}-$$
$$8192u_6u_2^{21}u_1^{13})x_{12}x_4+$$
$$(1024u_6u_5^2u_2^{23}u_1^{10}+4096u_6u_5^2u_2^{21}u_1^{12})x_{12}+$$
$$(512u_6u_5u_2^{23}u_1^9+2048u_6u_5u_2^{21}u_1^{11})x_5x_4x_1+$$
$$(-256u_6u_5u_2^{25}u_1^8-1024u_6u_5u_2^{23}u_1^{10})x_5x_4+$$
$$(256u_6^2u_5u_2^{24}u_1^8+1024u_6^2u_5u_2^{22}u_1^{10})x_4x_1$$

Reduced to zero.

3114. Creating S-polynomial from the pair (p_{42}, p_{61}).

Forming S-pol of p_{42} and p_{61}:

$$p_{760} = -4096u_5^2u_2^{20}u_1^{12}x_{12}x_4-16384u_6u_2^{18}u_1^{14}x_{10}^2x_4+$$
$$(16384u_6u_5u_2^{18}u_1^{14}+16384u_6u_2^{19}u_1^{14})x_{10}x_4-$$
$$8192u_6u_5^2u_2^{19}u_1^{13}x_{10}+2048u_5^2u_2^{21}u_1^{11}x_5x_4-$$
$$4096u_6u_5u_2^{19}u_1^{12}x_4^2x_1-2048u_6u_5^2u_2^{20}u_1^{11}x_4x_1$$

Reduced to zero.

3115. Creating S-polynomial from the pair (p_{42}, p_{62}).

Forming S-pol of p_{42} and p_{62}: Polynomial too big for output (text size is 1128 characters, number of terms is 14)

S-pol added.

3116. Creating S-polynomial from the pair (p_{42}, p_{63}).

Forming S-pol of p_{42} and p_{63}:

$$p_{761} = -1024u_6u_2^{16}u_1^{10}x_{12}x_{10}x_4+$$
$$(-256u_6u_5u_2^{18}u_1^8+1024u_6u_5u_2^{16}u_1^{10}+1024u_6u_2^{17}u_1^{10})x_{12}x_4-$$
$$512u_6u_5^2u_2^{17}u_1^9x_{12}-256u_6u_5u_2^{17}u_1^8x_5x_4x_1+$$
$$128u_6u_5u_2^{19}u_1^7x_5x_4-128u_6^2u_5u_2^{18}u_1^7x_4x_1$$

Reduced to zero.

3117. Creating S-polynomial from the pair (p_{42}, p_{64}).

Skipping pair p_{42} and p_{64} because gcd of their leading monoms is zero.

3118. Creating S-polynomial from the pair (p_{42}, p_{65}).

Skipping pair p_{42} and p_{65} because gcd of their leading monoms is zero.

3119. Creating S-polynomial from the pair (p_{42}, p_{66}).

Skipping pair p_{42} and p_{66} because gcd of their leading monoms is zero.

3120. Creating S-polynomial from the pair (p_{42}, p_{67}).

Forming S-pol of p_{42} and p_{67}: Polynomial too big for output (text size is 1629 characters, number of terms is 16)

Reduced to zero.

3121. Creating S-polynomial from the pair (p_{42}, p_{68}).

Skipping pair p_{42} and p_{68} because gcd of their leading monoms is zero.

3122. Creating S-polynomial from the pair (p_{42}, p_{69}).

Skipping pair p_{42} and p_{69} because gcd of their leading monoms is zero.

3123. Creating S-polynomial from the pair (p_{42}, p_{70}).

Skipping pair p_{42} and p_{70} because gcd of their leading monoms is zero.

3124. Creating S-polynomial from the pair (p_{42}, p_{71}).

Skipping pair p_{42} and p_{71} because gcd of their leading monoms is zero.

3125. Creating S-polynomial from the pair (p_{42}, p_{72}).

Forming S-pol of p_{42} and p_{72}: Polynomial too big for output (text size is 1427 characters, number of terms is 15)

Reduced to zero.

3126. Creating S-polynomial from the pair (p_{42}, p_{73}).

Skipping pair p_{42} and p_{73} because gcd of their leading monoms is zero.

3127. Creating S-polynomial from the pair (p_{42}, p_{74}).

Forming S-pol of p_{42} and p_{74}:

$$p_{762} = 32768u_6u_5u_2^{23}u_1^{15}x_4^2 - 65536u_6u_5u_2^{23}u_1^{16}x_4 +$$

$$32768u_6u_5^3u_2^{23}u_1^{15}$$

Reduced to zero.

3128. Creating S-polynomial from the pair (p_{42}, p_{75}).

Skipping pair p_{42} and p_{75} because gcd of their leading monoms is zero.

3129. Creating S-polynomial from the pair (p_{42}, p_{76}).

Forming S-pol of p_{42} and p_{76}:

$$p_{763} = -33554432u_5^2u_2^{31}u_1^{25}x_{12}x_4^2 - 16777216u_5^3u_2^{32}u_1^{24}x_{12}x_4+$$
$$(16777216u_6u_5^2u_2^{32}u_1^{24} + 67108864u_6u_5u_2^{31}u_1^{26})x_{10}x_4-$$
$$33554432u_6u_5^3u_2^{31}u_1^{25}x_{10} + 16777216u_5^2u_2^{32}u_1^{24}x_5x_4^2+$$
$$8388608u_5^3u_2^{33}u_1^{23}x_5x_4+$$
$$(-8388608u_6u_5^2u_2^{33}u_1^{23} - 33554432u_6u_5u_2^{32}u_1^{25})x_4^2+$$
$$16777216u_6u_5^3u_2^{32}u_1^{24}x_4$$

Reduced to zero.

3130. Creating S-polynomial from the pair (p_{42}, p_{77}).

Forming S-pol of p_{42} and p_{77}:

$$p_{764} = -8192u_5^2u_2^{20}u_1^{13}x_{12}x_4 - 32768u_6u_2^{18}u_1^{15}x_{10}^2x_4+$$
$$(32768u_6u_5u_2^{18}u_1^{15} + 32768u_6u_2^{19}u_1^{15})x_{10}x_4-$$
$$16384u_6u_5^2u_2^{19}u_1^{14}x_{10} + 4096u_5^2u_2^{21}u_1^{12}x_5x_4-$$
$$8192u_6u_5u_2^{19}u_1^{13}x_4^2x_1 - 4096u_6u_5^2u_2^{20}u_1^{12}x_4x_1$$

Reduced to zero.

3131. Creating S-polynomial from the pair (p_{42}, p_{78}).

Forming S-pol of p_{42} and p_{78}:

$$p_{765} = 16384u_5u_2^{19}u_1^{14}x_{12}x_4^2 + 32768u_5^2u_2^{18}u_1^{15}x_{12}x_4-$$
$$32768u_6u_2^{18}u_1^{15}x_{10}^2x_4 - 16384u_5u_2^{19}u_1^{14}x_{10}x_5x_4+$$
$$(-8192u_6u_5u_2^{20}u_1^{13} + 32768u_6u_2^{19}u_1^{15})x_{10}x_4-$$
$$16384u_6u_5^2u_2^{19}u_1^{14}x_{10} - 8192u_5^2u_2^{19}u_1^{13}x_5x_4x_1+$$
$$4096u_6u_5u_2^{21}u_1^{12}x_4^2 - 4096u_6u_5^2u_2^{20}u_1^{12}x_4x_1$$

Reduced to zero.

3132. Creating S-polynomial from the pair (p_{42}, p_{79}).

Forming S-pol of p_{42} and p_{79}:

$$p_{766} = -65536u_5u_2^{26}u_1^{16}x_{10}x_5x_4+$$
$$(65536u_6u_2^{26}u_1^{16} - 131072u_6u_2^{24}u_1^{17})x_{10}x_4^2+$$
$$(262144u_5u_2^{23}u_1^{18} - 131072u_5u_2^{23}u_1^{17})x_5x_4^2x_1+$$
$$(32768u_5u_2^{27}u_1^{15} - 131072u_5u_2^{25}u_1^{17})x_5x_4^2-$$
$$32768u_5^2u_2^{26}u_1^{15}x_5x_4x_1 + 65536u_5^2u_2^{26}u_1^{16}x_5x_4+$$
$$(32768u_6u_5u_2^{26}u_1^{15} + 131072u_6u_5u_2^{24}u_1^{17}-$$
$$65536u_6u_5u_2^{24}u_1^{16})x_4^2x_1+$$
$$(-65536u_6u_5u_2^{26}u_1^{16} - 65536u_6u_2^{27}u_1^{16} + 131072u_6u_2^{25}u_1^{17})x_4^2+$$
$$(32768u_6u_5^2u_2^{27}u_1^{15} - 65536u_6u_5^2u_2^{25}u_1^{16})x_4$$

S-pol added.

3133. Creating S-polynomial from the pair (p_{42}, p_{80}).

Forming S-pol of p_{42} and p_{80}:

$$p_{767} = -1024u_6u_2^{18}u_1^{10}x_{10}x_4 - 512u_6u_5u_2^{18}u_1^9x_4x_1 +$$
$$(1024u_6u_5u_2^{18}u_1^{10} + 1024u_6u_2^{19}u_1^{10})x_4 - 512u_6u_5^2u_2^{19}u_1^9$$

Reduced to zero.

3134. Creating S-polynomial from the pair (p_{42}, p_{81}).

Skipping pair p_{42} and p_{81} because gcd of their leading monoms is zero.

3135. Creating S-polynomial from the pair (p_{42}, p_{82}).

Skipping pair p_{42} and p_{82} because gcd of their leading monoms is zero.

3136. Creating S-polynomial from the pair (p_{42}, p_{83}).

Skipping pair p_{42} and p_{83} because gcd of their leading monoms is zero.

3137. Creating S-polynomial from the pair (p_{42}, p_{84}).

Skipping pair p_{42} and p_{84} because gcd of their leading monoms is zero.

3138. Creating S-polynomial from the pair (p_{42}, p_{85}).

Skipping pair p_{42} and p_{85} because gcd of their leading monoms is zero.

3139. Creating S-polynomial from the pair (p_{42}, p_{86}).

Forming S-pol of p_{42} and p_{86}: Polynomial too big for output (text size is 1001 characters, number of terms is 11)

S-pol added.

3140. Creating S-polynomial from the pair (p_{42}, p_{87}).

Skipping pair p_{42} and p_{87} because gcd of their leading monoms is zero.

3141. Creating S-polynomial from the pair (p_{42}, p_{88}).

Skipping pair p_{42} and p_{88} because gcd of their leading monoms is zero.

3142. Creating S-polynomial from the pair (p_{42}, p_{89}).

Skipping pair p_{42} and p_{89} because gcd of their leading monoms is zero.

3143. Creating S-polynomial from the pair (p_{42}, p_{90}).

Skipping pair p_{42} and p_{90} because gcd of their leading monoms is zero.

3144. Creating S-polynomial from the pair (p_{42}, p_{91}).

Skipping pair p_{42} and p_{91} because gcd of their leading monoms is zero.

3145. Creating S-polynomial from the pair (p_{42}, p_{92}).

Skipping pair p_{42} and p_{92} because gcd of their leading monoms is zero.

3146. Creating S-polynomial from the pair (p_{42}, p_{93}).

Forming S-pol of p_{42} and p_{93}: Polynomial too big for output (text size is 1005 characters, number of terms is 11)

S-pol added.

3147. Creating S-polynomial from the pair (p_{42}, p_{94}).

Skipping pair p_{42} and p_{94} because gcd of their leading monoms is zero.

3148. Creating S-polynomial from the pair (p_{42}, p_{95}).

Forming S-pol of p_{42} and p_{95}: Polynomial too big for output (text size is 1091 characters, number of terms is 15)

Reduced to zero.

3149. Creating S-polynomial from the pair (p_{42}, p_{96}).

Forming S-pol of p_{42} and p_{96}:

$$p_{768} = 4096u_5^2u_3^4u_2^{12}u_1^{12}x_{12}x_8 - 2048u_5u_3^5u_2^{12}u_1^{11}x_{12}x_6x_5-$$
$$4096u_6u_5u_3^4u_2^{12}u_1^{12}x_{12}x_6 - 1024u_5^2u_3^5u_2^{12}u_1^{10}x_{12}x_5x_2+$$
$$1024u_6u_5u_3^5u_2^{12}u_1^{10}x_{12}x_4x_2 + 2048u_6u_3^5u_2^{12}u_1^{11}x_{10}x_8x_4+$$
$$1024u_5u_3^5u_2^{13}u_1^{10}x_8x_5x_4 - 2048u_6u_3^5u_2^{13}u_1^{11}x_8x_4+$$
$$1024u_6u_5^2u_3^5u_2^{13}u_1^{10}x_8$$

Reduced to zero.

3150. Creating S-polynomial from the pair (p_{42}, p_{97}).

Forming S-pol of p_{42} and p_{97}:

$$p_{769} = -32768u_5u_3^{13}u_2^{12}u_1^{15}x_{12}x_6x_5+$$
$$(131072u_5u_3^{10}u_2^{12}u_1^{17} - 65536u_5u_3^{10}u_2^{12}u_1^{16})x_{12}x_5x_4x_2-$$
$$65536u_5u_3^{12}u_2^{12}u_1^{16}x_{12}x_5x_4 - 16384u_5^2u_3^{13}u_2^{12}u_1^{14}x_{12}x_5x_2+$$
$$32768u_5^2u_3^{13}u_2^{12}u_1^{15}x_{12}x_5+$$
$$(16384u_6u_5u_3^{13}u_2^{12}u_1^{14} + 65536u_6u_5u_3^{11}u_2^{12}u_1^{16})x_{12}x_4x_2+$$
$$(-32768u_6u_5u_3^{13}u_2^{12}u_1^{15} - 65536u_6u_5u_3^{11}u_2^{12}u_1^{16})x_{12}x_4+$$
$$32768u_6u_3^{13}u_2^{12}u_1^{15}x_{10}x_8x_4 + 16384u_5u_3^{13}u_2^{13}u_1^{14}x_8x_5x_4-$$
$$32768u_6u_3^{13}u_2^{13}u_1^{15}x_8x_4 + 16384u_6u_5^2u_3^{13}u_2^{13}u_1^{14}x_8$$

S-pol added.

3151. Creating S-polynomial from the pair (p_{42}, p_{98}).

Forming S-pol of p_{42} and p_{98}: Polynomial too big for output (text size is 2547 characters, number of terms is 28)

Reduced to zero.

3152. Creating S-polynomial from the pair (p_{42}, p_{99}).

Skipping pair p_{42} and p_{99} because gcd of their leading monoms is zero.

3153. Creating S-polynomial from the pair (p_{42}, p_{100}).

Forming S-pol of p_{42} and p_{100}:

$$p_{770} = 33554432u_5^2u_2^{29}u_1^{25}x_{12}x_{10}x_4+$$
$$(67108864u_5^2u_2^{28}u_1^{26} + 67108864u_5u_2^{29}u_1^{26})x_{12}x_4^2+$$
$$(8388608u_5^3u_2^{31}u_1^{23} - 33554432u_5^3u_2^{29}u_1^{25})x_{12}x_4+$$
$$(-33554432u_6u_5u_2^{29}u_1^{25} - 67108864u_6u_2^{28}u_1^{26})x_{10}^2x_4+$$
$$(-16777216u_5^2u_2^{30}u_1^{24} - 33554432u_5u_2^{29}u_1^{25})x_{10}x_5x_4+$$
$$(-8388608u_6u_5^2u_2^{31}u_1^{23} + 67108864u_6u_2^{29}u_1^{26})x_{10}x_4-$$
$$33554432u_6u_5^2u_2^{29}u_1^{25}x_{10} - 16777216u_5^2u_2^{29}u_1^{24}x_5x_4^2x_1-$$
$$4194304u_5^3u_2^{32}u_1^{22}x_5x_4 - 8388608u_6u_5^2u_2^{30}u_1^{23}x_4^2x_1+$$
$$(4194304u_6u_5^2u_2^{32}u_1^{22} + 16777216u_6u_5u_2^{31}u_1^{24})x_4^2-$$
$$8388608u_6u_5^3u_2^{31}u_1^{23}x_4$$

S-pol added.

3154. Creating S-polynomial from the pair (p_{42}, p_{101}).

Forming S-pol of p_{42} and p_{101}:

$$p_{771} = 4096u_5^2u_2^{16}u_1^{12}x_{12}x_4 - 2048u_5u_2^{17}u_1^{11}x_{10}x_5x_4+$$
$$2048u_6u_2^{17}u_1^{11}x_{10}x_4^2 - 4096u_6u_5u_2^{16}u_1^{12}x_{10}x_4+$$
$$1024u_5u_2^{18}u_1^{10}x_5x_4^2 - 1024u_5^2u_2^{17}u_1^{10}x_5x_4x_1+$$
$$1024u_6u_5u_2^{17}u_1^{10}x_4^2x_1 - 2048u_6u_2^{18}u_1^{11}x_4^2+$$
$$1024u_6u_5^2u_2^{18}u_1^{10}x_4$$

Reduced to zero.

3155. Creating S-polynomial from the pair (p_{42}, p_{102}).

Forming S-pol of p_{42} and p_{102}:

$$p_{772} = -32768u_5u_2^{25}u_1^{15}x_{10}x_5x_4 + 32768u_6u_2^{25}u_1^{15}x_{10}x_4^2+$$
$$(131072u_5u_2^{22}u_1^{17} - 65536u_5u_2^{22}u_1^{16})x_5x_4^2x_1+$$
$$(16384u_5u_2^{26}u_1^{14} - 65536u_5u_2^{24}u_1^{16})x_5x_4^2-$$
$$16384u_5^2u_2^{25}u_1^{14}x_5x_4x_1 + 32768u_5^2u_2^{25}u_1^{15}x_5x_4+$$
$$(16384u_6u_5u_2^{25}u_1^{14} + 65536u_6u_5u_2^{23}u_1^{16})x_4^2x_1+$$
$$(-32768u_6u_5u_2^{25}u_1^{15} - 65536u_6u_5u_2^{23}u_1^{16} - 32768u_6u_2^{26}u_1^{15})x_4^2+$$
$$16384u_6u_5^2u_2^{26}u_1^{14}x_4$$

S-pol added.

3156. Creating S-polynomial from the pair (p_{42}, p_{103}).

Forming S-pol of p_{42} and p_{103}: Polynomial too big for output (text size is 2559 characters, number of terms is 28)

Reduced to zero.

3157. Creating S-polynomial from the pair (p_{42}, p_{104}).

Forming S-pol of p_{42} and p_{104}: Polynomial too big for output (text size is 1106 characters, number of terms is 15)

Reduced to zero.

3158. Creating S-polynomial from the pair (p_{42}, p_{105}).

Forming S-pol of p_{42} and p_{105}:

$$p_{773} = 4096u_5^2u_4^4u_2^{12}u_1^{12}x_{16}x_{12} + 2048u_6u_4^5u_2^{12}u_1^{11}x_{16}x_{10}x_4+$$
$$1024u_5u_4^5u_2^{13}u_1^{10}x_{16}x_5x_4 - 2048u_6u_4^5u_2^{13}u_1^{11}x_{16}x_4+$$
$$1024u_6u_5^2u_4^5u_2^{13}u_1^{10}x_{16} - 2048u_5u_4^5u_2^{12}u_1^{11}x_{14}x_{12}x_5-$$
$$4096u_6u_5u_4^4u_2^{12}u_1^{12}x_{14}x_{12} - 1024u_5^2u_4^5u_2^{12}u_1^{10}x_{12}x_5x_3+$$
$$1024u_6u_5u_4^5u_2^{12}u_1^{10}x_{12}x_4x_3$$

Reduced to zero.

3159. Creating S-polynomial from the pair (p_{42}, p_{106}).

Forming S-pol of p_{42} and p_{106}:

$$p_{774} = 32768u_6u_4^{13}u_2^{12}u_1^{15}x_{16}x_{10}x_4 + 16384u_5u_4^{13}u_2^{13}u_1^{14}x_{16}x_5x_4-$$
$$32768u_6u_4^{13}u_2^{13}u_1^{15}x_{16}x_4 + 16384u_6u_5^2u_4^{13}u_2^{13}u_1^{14}x_{16}-$$
$$32768u_5u_4^{13}u_2^{12}u_1^{15}x_{14}x_{12}x_5+$$
$$(131072u_5u_4^{10}u_2^{12}u_1^{17} - 65536u_5u_4^{10}u_2^{12}u_1^{16})x_{12}x_5x_4x_3-$$
$$65536u_5u_4^{12}u_2^{12}u_1^{16}x_{12}x_5x_4 - 16384u_5^2u_4^{13}u_2^{12}u_1^{14}x_{12}x_5x_3+$$
$$32768u_5^2u_4^{13}u_2^{12}u_1^{15}x_{12}x_5+$$
$$(16384u_6u_5u_4^{13}u_2^{12}u_1^{14} + 65536u_6u_5u_4^{11}u_2^{12}u_1^{16})x_{12}x_4x_3+$$
$$(-32768u_6u_5u_4^{13}u_2^{12}u_1^{15} - 65536u_6u_5u_4^{11}u_2^{12}u_1^{16})x_{12}x_4$$

S-pol added.

3160. Creating S-polynomial from the pair (p_{43}, p_{44}).

Skipping pair p_{43} and p_{44} because gcd of their leading monoms is zero.

3161. Creating S-polynomial from the pair (p_{43}, p_{45}).

Skipping pair p_{43} and p_{45} because gcd of their leading monoms is zero.

3162. Creating S-polynomial from the pair (p_{43}, p_{46}).

Skipping pair p_{43} and p_{46} because gcd of their leading monoms is zero.

3163. Creating S-polynomial from the pair (p_{43}, p_{47}).

Forming S-pol of p_{43} and p_{47}: Polynomial too big for output (text size is 1616 characters, number of terms is 16)

Reduced to zero.

3164. Creating S-polynomial from the pair (p_{43}, p_{48}).

Skipping pair p_{43} and p_{48} because gcd of their leading monoms is zero.

3165. Creating S-polynomial from the pair (p_{43}, p_{49}).

Skipping pair p_{43} and p_{49} because gcd of their leading monoms is zero.

3166. Creating S-polynomial from the pair (p_{43}, p_{50}).

Skipping pair p_{43} and p_{50} because gcd of their leading monoms is zero.

3167. Creating S-polynomial from the pair (p_{43}, p_{51}).

Skipping pair p_{43} and p_{51} because gcd of their leading monoms is zero.

3168. Creating S-polynomial from the pair (p_{43}, p_{52}).

Forming S-pol of p_{43} and p_{52}: Polynomial too big for output (text size is 1419 characters, number of terms is 15)

Reduced to zero.

3169. Creating S-polynomial from the pair (p_{43}, p_{53}).

Skipping pair p_{43} and p_{53} because gcd of their leading monoms is zero.

3170. Creating S-polynomial from the pair (p_{43}, p_{54}).

Skipping pair p_{43} and p_{54} because gcd of their leading monoms is zero.

3171. Creating S-polynomial from the pair (p_{43}, p_{55}).

Skipping pair p_{43} and p_{55} because gcd of their leading monoms is zero.

3172. Creating S-polynomial from the pair (p_{43}, p_{56}).

Skipping pair p_{43} and p_{56} because gcd of their leading monoms is zero.

3173. Creating S-polynomial from the pair (p_{43}, p_{57}).

Forming S-pol of p_{43} and p_{57}: Polynomial too big for output (text size is 1629 characters, number of terms is 16)

Reduced to zero.

3174. Creating S-polynomial from the pair (p_{43}, p_{58}).

Skipping pair p_{43} and p_{58} because gcd of their leading monoms is zero.

3175. Creating S-polynomial from the pair (p_{43}, p_{59}).

Skipping pair p_{43} and p_{59} because gcd of their leading monoms is zero.

3176. Creating S-polynomial from the pair (p_{43}, p_{60}).

Skipping pair p_{43} and p_{60} because gcd of their leading monoms is zero.

3177. Creating S-polynomial from the pair (p_{43}, p_{61}).

Skipping pair p_{43} and p_{61} because gcd of their leading monoms is zero.

3178. Creating S-polynomial from the pair (p_{43}, p_{62}).

Forming S-pol of p_{43} and p_{62}: Polynomial too big for output (text size is 1428 characters, number of terms is 15)

Reduced to zero.

3179. Creating S-polynomial from the pair (p_{43}, p_{63}).

Skipping pair p_{43} and p_{63} because gcd of their leading monoms is zero.

3180. Creating S-polynomial from the pair (p_{43}, p_{64}).

Skipping pair p_{43} and p_{64} because gcd of their leading monoms is zero.

3181. Creating S-polynomial from the pair (p_{43}, p_{65}).

Forming S-pol of p_{43} and p_{65}:

$$p_{775} = -262144u_5u_4^{24}u_1^{18}x_{16}x_4^2+$$
$$(32768u_5^2u_4^{27}u_1^{15} - 524288u_5^2u_4^{23}u_1^{19})x_{16}x_4+$$
$$(131072u_6u_4^{25}u_1^{17} + 524288u_6u_4^{23}u_1^{19})x_{14}^2x_4+$$
$$262144u_5u_4^{24}u_1^{18}x_{14}x_5x_4+$$
$$(-131072u_6u_4^{26}u_1^{17} - 524288u_6u_4^{24}u_1^{19})x_{14}x_4+$$
$$(65536u_6u_5^2u_4^{26}u_1^{16} + 262144u_6u_5^2u_4^{24}u_1^{18})x_{14}+$$
$$131072u_5^2u_4^{24}u_1^{17}x_5x_4x_3 - 16384u_5^2u_4^{28}u_1^{14}x_5x_4+$$
$$32768u_6u_5u_4^{26}u_1^{15}x_4^2x_3 - 65536u_6u_5u_4^{26}u_1^{16}x_4^2+$$
$$(16384u_6u_5^2u_4^{27}u_1^{14} + 65536u_6u_5^2u_4^{25}u_1^{16})x_4x_3$$

Reduced to zero.

3182. Creating S-polynomial from the pair (p_{43}, p_{66}).

Skipping pair p_{43} and p_{66} because gcd of their leading monoms is zero.

3183. Creating S-polynomial from the pair (p_{43}, p_{67}).

Forming S-pol of p_{43} and p_{67}: Polynomial too big for output (text size is 1277 characters, number of terms is 14)

S-pol added.

3184. Creating S-polynomial from the pair (p_{43}, p_{68}).

Forming S-pol of p_{43} and p_{68}:

$$p_{776} = 8192u_5u_4^{19}u_1^{13}x_{16}x_4^2 + 16384u_5^2u_4^{18}u_1^{14}x_{16}x_4-$$
$$16384u_6u_4^{18}u_1^{14}x_{14}^2x_4 - 8192u_5u_4^{19}u_1^{13}x_{14}x_5x_4+$$
$$(-4096u_6u_5u_4^{20}u_1^{12} + 16384u_6u_4^{19}u_1^{14})x_{14}x_4-$$
$$8192u_6u_5^2u_4^{19}u_1^{13}x_{14} - 4096u_5^2u_4^{19}u_1^{12}x_5x_4x_3+$$
$$2048u_6u_5u_4^{21}u_1^{11}x_4^2 - 2048u_6u_5^2u_4^{20}u_1^{11}x_4x_3$$

Reduced to zero.

3185. Creating S-polynomial from the pair (p_{43}, p_{69}).

Forming S-pol of p_{43} and p_{69}:

$$p_{777} = -16384u_5u_4^{25}u_1^{14}x_{16}x_4^2 + 8192u_5^2u_4^{26}u_1^{13}x_{16}x_4+$$
$$(32768u_6u_4^{24}u_1^{15} + 131072u_6u_4^{22}u_1^{17})x_{14}^2x_4+$$
$$16384u_5u_4^{25}u_1^{14}x_{14}x_5x_4+$$
$$(-131072u_6u_5u_4^{22}u_1^{17} - 32768u_6u_4^{25}u_1^{15} - 131072u_6u_4^{23}u_1^{17})x_{14}x_4+$$
$$(16384u_6u_5^2u_4^{25}u_1^{14} + 65536u_6u_5^2u_4^{23}u_1^{16})x_{14}+$$
$$8192u_5^2u_4^{25}u_1^{13}x_5x_4x_3+$$
$$(-4096u_5^2u_4^{27}u_1^{12} - 16384u_5^2u_4^{25}u_1^{14})x_5x_4+$$
$$32768u_6u_5u_4^{23}u_1^{15}x_4^2x_3+$$
$$(4096u_6u_5^2u_4^{26}u_1^{12} + 16384u_6u_5^2u_4^{24}u_1^{14})x_4x_3$$

Reduced to zero.

3186. Creating S-polynomial from the pair (p_{43}, p_{70}).

Forming S-pol of p_{43} and p_{70}:

$$p_{778} = (2048u_6u_4^{22}u_1^{11} + 8192u_6u_4^{20}u_1^{13})x_{16}x_{14}x_4+$$
$$(512u_6u_5u_4^{24}u_1^{9} - 8192u_6u_5u_4^{20}u_1^{13} - 2048u_6u_4^{23}u_1^{11}-$$
$$8192u_6u_4^{21}u_1^{13})x_{16}x_4+$$
$$(1024u_6u_5^2u_4^{23}u_1^{10} + 4096u_6u_5^2u_4^{21}u_1^{12})x_{16}+$$
$$(512u_6u_5u_4^{23}u_1^{9} + 2048u_6u_5u_4^{21}u_1^{11})x_5x_4x_3+$$
$$(-256u_6u_5u_4^{25}u_1^{8} - 1024u_6u_5u_4^{23}u_1^{10})x_5x_4+$$
$$(256u_6^2u_5u_4^{24}u_1^{8} + 1024u_6^2u_5u_4^{22}u_1^{10})x_4x_3$$

Reduced to zero.

3187. Creating S-polynomial from the pair (p_{43}, p_{71}).

Forming S-pol of p_{43} and p_{71}:

$$p_{779} = -4096u_5^2u_4^{20}u_1^{12}x_{16}x_4 - 16384u_6u_4^{18}u_1^{14}x_{14}^2x_4+$$
$$(16384u_6u_5u_4^{18}u_1^{14} + 16384u_6u_4^{19}u_1^{14})x_{14}x_4-$$
$$8192u_6u_5^2u_4^{19}u_1^{13}x_{14} + 2048u_5^2u_4^{21}u_1^{11}x_5x_4-$$
$$4096u_6u_5u_4^{19}u_1^{12}x_4^2x_3 - 2048u_6u_5^2u_4^{20}u_1^{11}x_4x_3$$

Reduced to zero.

3188. Creating S-polynomial from the pair (p_{43}, p_{72}).

Forming S-pol of p_{43} and p_{72}: Polynomial too big for output (text size is 1128 characters, number of terms is 14)

S-pol added.

3189. Creating S-polynomial from the pair (p_{43}, p_{73}).

Forming S-pol of p_{43} and p_{73}:

$$p_{780} = -1024u_6u_4^{16}u_1^{10}x_{16}x_{14}x_4+$$
$$(-256u_6u_5u_4^{18}u_1^8 + 1024u_6u_5u_4^{16}u_1^{10} + 1024u_6u_4^{17}u_1^{10})x_{16}x_4-$$
$$512u_6u_5^2u_4^{17}u_1^9x_{16} - 256u_6u_5u_4^{17}u_1^8x_5x_4x_3+$$
$$128u_6u_5u_4^{19}u_1^7x_5x_4 - 128u_6^2u_5u_4^{18}u_1^7x_4x_3$$

Reduced to zero.

3190. Creating S-polynomial from the pair (p_{43}, p_{74}).

Skipping pair p_{43} and p_{74} because gcd of their leading monoms is zero.

3191. Creating S-polynomial from the pair (p_{43}, p_{75}).

Skipping pair p_{43} and p_{75} because gcd of their leading monoms is zero.

3192. Creating S-polynomial from the pair (p_{43}, p_{76}).

Skipping pair p_{43} and p_{76} because gcd of their leading monoms is zero.

3193. Creating S-polynomial from the pair (p_{43}, p_{77}).

Skipping pair p_{43} and p_{77} because gcd of their leading monoms is zero.

3194. Creating S-polynomial from the pair (p_{43}, p_{78}).

Skipping pair p_{43} and p_{78} because gcd of their leading monoms is zero.

3195. Creating S-polynomial from the pair (p_{43}, p_{79}).

Forming S-pol of p_{43} and p_{79}: Polynomial too big for output (text size is 1006 characters, number of terms is 11)

S-pol added.

3196. Creating S-polynomial from the pair (p_{43}, p_{80}).

Skipping pair p_{43} and p_{80} because gcd of their leading monoms is zero.

3197. Creating S-polynomial from the pair (p_{43}, p_{81}).

Skipping pair p_{43} and p_{81} because gcd of their leading monoms is zero.

3198. Creating S-polynomial from the pair (p_{43}, p_{82}).

Skipping pair p_{43} and p_{82} because gcd of their leading monoms is zero.

3199. Creating S-polynomial from the pair (p_{43}, p_{83}).

Skipping pair p_{43} and p_{83} because gcd of their leading monoms is zero.

3200. Creating S-polynomial from the pair (p_{43}, p_{84}).

Skipping pair p_{43} and p_{84} because gcd of their leading monoms is zero.

3201. Creating S-polynomial from the pair (p_{43}, p_{85}).

Skipping pair p_{43} and p_{85} because gcd of their leading monoms is zero.

3202. Creating S-polynomial from the pair (p_{43}, p_{86}).

Forming S-pol of p_{43} and p_{86}: Polynomial too big for output (text size is 1001 characters, number of terms is 11)

S-pol added.

3203. Creating S-polynomial from the pair (p_{43}, p_{87}).

Skipping pair p_{43} and p_{87} because gcd of their leading monoms is zero.

3204. Creating S-polynomial from the pair (p_{43}, p_{88}).

Forming S-pol of p_{43} and p_{88}:

$$p_{781} = 32768u_6u_5u_4^{23}u_1^{15}x_4^2 - 65536u_6u_5u_4^{23}u_1^{16}x_4+$$
$$32768u_6u_5^3u_4^{23}u_1^{15}$$

Reduced to zero.

3205. Creating S-polynomial from the pair (p_{43}, p_{89}).

Skipping pair p_{43} and p_{89} because gcd of their leading monoms is zero.

3206. Creating S-polynomial from the pair (p_{43}, p_{90}).

Forming S-pol of p_{43} and p_{90}:

$$p_{782} = -33554432u_5^2u_4^{31}u_1^{25}x_{16}x_4^2 - 16777216u_5^3u_4^{32}u_1^{24}x_{16}x_4+$$
$$(16777216u_6u_5^2u_4^{32}u_1^{24} + 67108864u_6u_5u_4^{31}u_1^{26})x_{14}x_4-$$
$$33554432u_6u_5^3u_4^{31}u_1^{25}x_{14} + 16777216u_5^2u_4^{32}u_1^{24}x_5x_4^2+$$
$$8388608u_5^3u_4^{33}u_1^{23}x_5x_4+$$
$$(-8388608u_6u_5^2u_4^{33}u_1^{23} - 33554432u_6u_5u_4^{32}u_1^{25})x_4^2+$$
$$16777216u_6u_5^3u_4^{32}u_1^{24}x_4$$

Reduced to zero.

3207. Creating S-polynomial from the pair (p_{43}, p_{91}).

Forming S-pol of p_{43} and p_{91}:

$$p_{783} = -8192u_5^2u_4^{20}u_1^{13}x_{16}x_4 - 32768u_6u_4^{18}u_1^{15}x_{14}^2x_4+$$
$$(32768u_6u_5u_4^{18}u_1^{15} + 32768u_6u_4^{19}u_1^{15})x_{14}x_4-$$
$$16384u_6u_5^2u_4^{19}u_1^{14}x_{14} + 4096u_5^2u_4^{21}u_1^{12}x_5x_4-$$
$$8192u_6u_5u_4^{19}u_1^{13}x_4^2x_3 - 4096u_6u_5^2u_4^{20}u_1^{12}x_4x_3$$

Reduced to zero.

3208. Creating S-polynomial from the pair (p_{43}, p_{92}).

Forming S-pol of p_{43} and p_{92}:

$$p_{784} = 16384u_5u_4^{19}u_1^{14}x_{16}x_4^2 + 32768u_5^2u_4^{18}u_1^{15}x_{16}x_4 -$$
$$32768u_6u_4^{18}u_1^{15}x_{14}^2x_4 - 16384u_5u_4^{19}u_1^{14}x_{14}x_5x_4 +$$
$$(-8192u_6u_5u_4^{20}u_1^{13} + 32768u_6u_4^{19}u_1^{15})x_{14}x_4 -$$
$$16384u_6u_5^2u_4^{19}u_1^{14}x_{14} - 8192u_5^2u_4^{19}u_1^{13}x_5x_4x_3 +$$
$$4096u_6u_5u_4^{21}u_1^{12}x_4^2 - 4096u_6u_5^2u_4^{20}u_1^{12}x_4x_3$$

Reduced to zero.

3209. Creating S-polynomial from the pair (p_{43}, p_{93}).

Forming S-pol of p_{43} and p_{93}:

$$p_{785} = -65536u_5u_4^{26}u_1^{16}x_{14}x_5x_4 +$$
$$(65536u_6u_4^{26}u_1^{16} - 131072u_6u_4^{24}u_1^{17})x_{14}x_4^2 +$$
$$(262144u_5u_4^{23}u_1^{18} - 131072u_5u_4^{23}u_1^{17})x_5x_4^2x_3 +$$
$$(32768u_5u_4^{27}u_1^{15} - 131072u_5u_4^{25}u_1^{17})x_5x_4^2 -$$
$$32768u_5^2u_4^{26}u_1^{15}x_5x_4x_3 + 65536u_5^2u_4^{26}u_1^{16}x_5x_4 +$$
$$(32768u_6u_5u_4^{26}u_1^{15} + 131072u_6u_5u_4^{24}u_1^{17} -$$
$$65536u_6u_5u_4^{24}u_1^{16})x_4^2x_3 +$$
$$(-65536u_6u_5u_4^{26}u_1^{16} - 65536u_6u_4^{27}u_1^{16} + 131072u_6u_4^{25}u_1^{17})x_4^2 +$$
$$(32768u_6u_5^2u_4^{27}u_1^{15} - 65536u_6u_5^2u_4^{25}u_1^{16})x_4$$

S-pol added.

3210. Creating S-polynomial from the pair (p_{43}, p_{94}).

Forming S-pol of p_{43} and p_{94}:

$$p_{786} = -1024u_6u_4^{18}u_1^{10}x_{14}x_4 - 512u_6u_5u_4^{18}u_1^9x_4x_3 +$$
$$(1024u_6u_5u_4^{18}u_1^{10} + 1024u_6u_4^{19}u_1^{10})x_4 - 512u_6u_5^2u_4^{19}u_1^9$$

Reduced to zero.

3211. Creating S-polynomial from the pair (p_{43}, p_{95}).

Forming S-pol of p_{43} and p_{95}: Polynomial too big for output (text size is 1091 characters, number of terms is 15)

Reduced to zero.

3212. Creating S-polynomial from the pair (p_{43}, p_{96}).

Forming S-pol of p_{43} and p_{96}:

$$p_{787} = 4096u_5^2u_4^{12}u_3^4u_1^{12}x_{16}x_8 - 2048u_5u_4^{12}u_3^5u_1^{11}x_{16}x_6x_5 -$$
$$4096u_6u_5u_4^{12}u_3^4u_1^{12}x_{16}x_6 - 1024u_5^2u_4^{12}u_3^5u_1^{10}x_{16}x_5x_2 +$$
$$1024u_6u_5u_4^{12}u_3^5u_1^{10}x_{16}x_4x_2 + 2048u_6u_4^{12}u_3^5u_1^{11}x_{14}x_8x_4 +$$
$$1024u_5u_4^{13}u_3^5u_1^{10}x_8x_5x_4 - 2048u_6u_4^{13}u_3^5u_1^{11}x_8x_4 +$$
$$1024u_6u_5^2u_4^{13}u_3^5u_1^{10}x_8$$

Reduced to zero.

3213. Creating S-polynomial from the pair (p_{43}, p_{97}).

Forming S-pol of p_{43} and p_{97}:

$$p_{788} = -32768u_5u_4^{12}u_3^{13}u_1^{15}x_{16}x_6x_5 +$$
$$(131072u_5u_4^{12}u_3^{10}u_1^{17} - 65536u_5u_4^{12}u_3^{10}u_1^{16})x_{16}x_5x_4x_2 -$$
$$65536u_5u_4^{12}u_3^{12}u_1^{16}x_{16}x_5x_4 - 16384u_5^2u_4^{12}u_3^{13}u_1^{14}x_{16}x_5x_2 +$$
$$32768u_5^2u_4^{12}u_3^{13}u_1^{15}x_{16}x_5 +$$
$$(16384u_6u_5u_4^{12}u_3^{13}u_1^{14} + 65536u_6u_5u_4^{12}u_3^{11}u_1^{16})x_{16}x_4x_2 +$$
$$(-32768u_6u_5u_4^{12}u_3^{13}u_1^{15} - 65536u_6u_5u_4^{12}u_3^{11}u_1^{16})x_{16}x_4 +$$
$$32768u_6u_4^{12}u_3^{13}u_1^{15}x_{14}x_8x_4 + 16384u_5u_4^{13}u_3^{13}u_1^{14}x_8x_5x_4 -$$
$$32768u_6u_4^{13}u_3^{13}u_1^{15}x_8x_4 + 16384u_6u_5^2u_4^{13}u_3^{13}u_1^{14}x_8$$

S-pol added.

3214. Creating S-polynomial from the pair (p_{43}, p_{98}).

Skipping pair p_{43} and p_{98} because gcd of their leading monoms is zero.

3215. Creating S-polynomial from the pair (p_{43}, p_{99}).

Forming S-pol of p_{43} and p_{99}: Polynomial too big for output (text size is 2549 characters, number of terms is 28)

Reduced to zero.

3216. Creating S-polynomial from the pair (p_{43}, p_{100}).

Forming S-pol of p_{43} and p_{100}: Polynomial too big for output (text size is 1106 characters, number of terms is 15)

Reduced to zero.

3217. Creating S-polynomial from the pair (p_{43}, p_{101}).

Forming S-pol of p_{43} and p_{101}:

$$p_{789} = 4096u_5^2u_4^{12}u_2^4u_1^{12}x_{16}x_{12} - 2048u_5u_4^{12}u_2^5u_1^{11}x_{16}x_{10}x_5 -$$
$$4096u_6u_5u_4^{12}u_2^4u_1^{12}x_{16}x_{10} - 1024u_5^2u_4^{12}u_2^5u_1^{10}x_{16}x_5x_1 +$$
$$1024u_6u_5u_4^{12}u_2^5u_1^{10}x_{16}x_4x_1 + 2048u_6u_4^{12}u_2^5u_1^{11}x_{14}x_{12}x_4 +$$
$$1024u_5u_4^{13}u_2^5u_1^{10}x_{12}x_5x_4 - 2048u_6u_4^{13}u_2^5u_1^{11}x_{12}x_4 +$$
$$1024u_6u_5^2u_4^{13}u_2^5u_1^{10}x_{12}$$

Reduced to zero.

3218. Creating S-polynomial from the pair (p_{43}, p_{102}).

Forming S-pol of p_{43} and p_{102}:

$$p_{790} = -32768u_5u_4^{12}u_2^{13}u_1^{15}x_{16}x_{10}x_5+$$
$$(131072u_5u_4^{12}u_2^{10}u_1^{17} - 65536u_5u_4^{12}u_2^{10}u_1^{16})x_{16}x_5x_4x_1-$$
$$65536u_5u_4^{12}u_2^{12}u_1^{16}x_{16}x_5x_4 - 16384u_5^2u_4^{12}u_2^{13}u_1^{14}x_{16}x_5x_1+$$
$$32768u_5^2u_4^{12}u_2^{13}u_1^{15}x_{16}x_5+$$
$$(16384u_6u_5u_4^{12}u_2^{13}u_1^{14} + 65536u_6u_5u_4^{12}u_2^{11}u_1^{16})x_{16}x_4x_1+$$
$$(-32768u_6u_5u_4^{12}u_2^{13}u_1^{15} - 65536u_6u_5u_4^{12}u_2^{11}u_1^{16})x_{16}x_4+$$
$$32768u_6u_4^{12}u_2^{13}u_1^{15}x_{14}x_{12}x_4 + 16384u_5u_4^{13}u_2^{13}u_1^{14}x_{12}x_5x_4-$$
$$32768u_6u_4^{13}u_2^{13}u_1^{15}x_{12}x_4 + 16384u_6u_5^2u_4^{13}u_2^{13}u_1^{14}x_{12}$$

S-pol added.

3219. Creating S-polynomial from the pair (p_{43}, p_{103}).

Forming S-pol of p_{43} and p_{103}: Polynomial too big for output (text size is 2559 characters, number of terms is 28)

Reduced to zero.

3220. Creating S-polynomial from the pair (p_{43}, p_{104}).

Forming S-pol of p_{43} and p_{104}:

$$p_{791} = 33554432u_5^2u_4^{29}u_1^{25}x_{16}x_{14}x_4+$$
$$(67108864u_5^2u_4^{28}u_1^{26} + 67108864u_5u_4^{29}u_1^{26})x_{16}x_4^2+$$
$$(8388608u_5^3u_4^{31}u_1^{23} - 33554432u_5^3u_4^{29}u_1^{25})x_{16}x_4+$$
$$(-33554432u_6u_5u_4^{29}u_1^{25} - 67108864u_6u_4^{28}u_1^{26})x_{14}^2x_4+$$
$$(-16777216u_5^2u_4^{30}u_1^{24} - 33554432u_5u_4^{29}u_1^{25})x_{14}x_5x_4+$$
$$(-8388608u_6u_5^2u_4^{31}u_1^{23} + 67108864u_6u_4^{29}u_1^{26})x_{14}x_4-$$
$$33554432u_6u_5^2u_4^{29}u_1^{25}x_{14} - 16777216u_5^2u_4^{29}u_1^{24}x_5x_4^2x_3-$$
$$4194304u_5^3u_4^{32}u_1^{22}x_5x_4 - 8388608u_6u_5^2u_4^{30}u_1^{23}x_4^2x_3+$$
$$(4194304u_6u_5^2u_4^{32}u_1^{22} + 16777216u_6u_5u_4^{31}u_1^{24})x_4^2-$$
$$8388608u_6u_5^3u_4^{31}u_1^{23}x_4$$

S-pol added.

3221. Creating S-polynomial from the pair (p_{43}, p_{105}).

Forming S-pol of p_{43} and p_{105}:

$$p_{792} = 4096u_5^2u_4^{16}u_1^{12}x_{16}x_4 - 2048u_5u_4^{17}u_1^{11}x_{14}x_5x_4+$$
$$2048u_6u_4^{17}u_1^{11}x_{14}x_4^2 - 4096u_6u_5u_4^{16}u_1^{12}x_{14}x_4+$$
$$1024u_5u_4^{18}u_1^{10}x_5x_4^2 - 1024u_5^2u_4^{17}u_1^{10}x_5x_4x_3+$$
$$1024u_6u_5u_4^{17}u_1^{10}x_4^2x_3 - 2048u_6u_4^{18}u_1^{11}x_4^2+$$
$$1024u_6u_5^2u_4^{18}u_1^{10}x_4$$

Reduced to zero.

3222. Creating S-polynomial from the pair (p_{43}, p_{106}).

Forming S-pol of p_{43} and p_{106}:

$$p_{793} = -32768u_5u_4^{25}u_1^{15}x_{14}x_5x_4 + 32768u_6u_4^{25}u_1^{15}x_{14}x_4^2+$$
$$(131072u_5u_4^{22}u_1^{17} - 65536u_5u_4^{22}u_1^{16})x_5x_4^2x_3+$$
$$(16384u_5u_4^{26}u_1^{14} - 65536u_5u_4^{24}u_1^{16})x_5x_4^2-$$
$$16384u_5^2u_4^{25}u_1^{14}x_5x_4x_3 + 32768u_5^2u_4^{25}u_1^{15}x_5x_4+$$
$$(16384u_6u_5u_4^{25}u_1^{14} + 65536u_6u_5u_4^{23}u_1^{16})x_4^2x_3+$$
$$(-32768u_6u_5u_4^{25}u_1^{15} - 65536u_6u_5u_4^{23}u_1^{16} - 32768u_6u_4^{26}u_1^{15})x_4^2+$$
$$16384u_6u_5^2u_4^{26}u_1^{14}x_4$$

S-pol added.

3223. Creating S-polynomial from the pair (p_{44}, p_{45}).

Forming S-pol of p_{44} and p_{45}:

$$p_{794} = (-8192u_3^{24}u_1^{13} - 32768u_3^{22}u_1^{15})x_8x_6x_4+$$
$$(4096u_5u_3^{24}u_1^{12} + 32768u_5u_3^{22}u_1^{14} + 65536u_5u_3^{20}u_1^{16})x_8x_4x_2+$$
$$(-2048u_5u_3^{26}u_1^{11} - 16384u_5u_3^{24}u_1^{13} - 32768u_5u_3^{22}u_1^{15})x_8x_4+$$
$$(2048u_5^2u_3^{25}u_1^{11} + 16384u_5^2u_3^{23}u_1^{13} + 32768u_5^2u_3^{21}u_1^{15})x_8x_2+$$
$$(8192u_3^{24}u_1^{13} + 32768u_3^{22}u_1^{15})x_6^2x_5+$$
$$(-16384u_5u_3^{22}u_1^{14} - 65536u_5u_3^{20}u_1^{16})x_6x_5x_2+$$
$$(2048u_5u_3^{26}u_1^{11} + 8192u_5u_3^{24}u_1^{13})x_6x_5+$$
$$(-4096u_6u_3^{24}u_1^{12} - 16384u_6u_3^{22}u_1^{14})x_6x_4x_2+$$
$$(8192u_6u_3^{24}u_1^{13} + 32768u_6u_3^{22}u_1^{15})x_6x_4+$$
$$(-2048u_6u_5u_3^{25}u_1^{11} - 16384u_6u_5u_3^{23}u_1^{13} - 32768u_6u_5u_3^{21}u_1^{15})x_6x_2$$

Reduced to zero.

3224. Creating S-polynomial from the pair (p_{44}, p_{46}).

Forming S-pol of p_{44} and p_{46}:

$$p_{795} = 0$$

Reduced to zero.

3225. Creating S-polynomial from the pair (p_{44}, p_{47}).

Forming S-pol of p_{44} and p_{47}: Polynomial too big for output (text size is 1695 characters, number of terms is 16)

Reduced to zero.

3226. Creating S-polynomial from the pair (p_{44}, p_{48}).

Forming S-pol of p_{44} and p_{48}:

$$p_{796} = (-512u_5u_3^{18}u_1^9 - 2048u_5u_3^{16}u_1^{11})x_8x_6+$$
$$(-512u_5u_3^{17}u_1^9 - 2048u_5u_3^{15}u_1^{11})x_8x_4x_2+$$
$$(256u_5u_3^{19}u_1^8 + 1024u_5u_3^{17}u_1^{10})x_8x_4+$$
$$(-256u_5^2u_3^{18}u_1^8 - 1024u_5^2u_3^{16}u_1^{10})x_8x_2+$$
$$(512u_6u_3^{18}u_1^9 + 2048u_6u_3^{16}u_1^{11})x_6^2+$$
$$(512u_5u_3^{17}u_1^9 + 2048u_5u_3^{15}u_1^{11})x_6x_5x_2+$$
$$(-256u_6u_3^{19}u_1^8 - 1024u_6u_3^{17}u_1^{10})x_6x_4+$$
$$(256u_6u_5u_3^{18}u_1^8 + 1024u_6u_5u_3^{16}u_1^{10})x_6x_2$$

Reduced to zero.

3227. Creating S-polynomial from the pair (p_{44}, p_{49}).

Forming S-pol of p_{44} and p_{49}:

$$p_{797} = (-8192u_3^{21}u_1^{13} - 32768u_3^{19}u_1^{15})x_8x_6x_4+$$
$$(-16384u_5u_3^{20}u_1^{14} - 65536u_5u_3^{18}u_1^{16})x_8x_6+$$
$$(1024u_5u_3^{23}u_1^{10} + 8192u_5u_3^{21}u_1^{12} + 16384u_5u_3^{19}u_1^{14})x_8x_4x_2+$$
$$(-512u_5u_3^{25}u_1^9 - 4096u_5u_3^{23}u_1^{11} - 8192u_5u_3^{21}u_1^{13})x_8x_4+$$
$$(512u_5^2u_3^{24}u_1^9 + 4096u_5^2u_3^{22}u_1^{11} + 8192u_5^2u_3^{20}u_1^{13})x_8x_2+$$
$$(8192u_3^{21}u_1^{13} + 32768u_3^{19}u_1^{15})x_6^2x_5+$$
$$(16384u_6u_3^{20}u_1^{14} + 65536u_6u_3^{18}u_1^{16})x_6^2+$$
$$(-1024u_5u_3^{23}u_1^{10} - 4096u_5u_3^{21}u_1^{12})x_6x_5x_2+$$
$$(512u_5u_3^{25}u_1^9 + 4096u_5u_3^{23}u_1^{11} + 8192u_5u_3^{21}u_1^{13})x_6x_5+$$
$$(-4096u_6u_3^{21}u_1^{12} - 16384u_6u_3^{19}u_1^{14})x_6x_4x_2+$$
$$(-512u_6u_5u_3^{24}u_1^9 - 4096u_6u_5u_3^{22}u_1^{11} - 8192u_6u_5u_3^{20}u_1^{13})x_6x_2$$

Reduced to zero.

3228. Creating S-polynomial from the pair (p_{44}, p_{50}).

Skipping pair p_{44} and p_{50} because gcd of their leading monoms is zero.

3229. Creating S-polynomial from the pair (p_{44}, p_{51}).

Forming S-pol of p_{44} and p_{51}:

$$p_{798} = (1024u_3^{17}u_1^{10} + 4096u_3^{15}u_1^{12})x_8x_6x_4+$$
$$(2048u_5u_3^{16}u_1^{11} + 8192u_5u_3^{14}u_1^{13})x_8x_6+$$
$$(-512u_5u_3^{17}u_1^9 - 2048u_5u_3^{15}u_1^{11})x_8x_4x_2+$$
$$(256u_5u_3^{19}u_1^8 + 1024u_5u_3^{17}u_1^{10})x_8x_4+$$

$$(-256u_5^2u_3^{18}u_1^8 - 1024u_5^2u_3^{16}u_1^{10})x_8x_2+$$
$$(-1024u_3^{17}u_1^{10} - 4096u_3^{15}u_1^{12})x_6^2x_5+$$
$$(-2048u_6u_3^{16}u_1^{11} - 8192u_6u_3^{14}u_1^{13})x_6^2+$$
$$(-256u_5u_3^{19}u_1^8 - 1024u_5u_3^{17}u_1^{10})x_6x_5+$$
$$(512u_6u_3^{17}u_1^9 + 2048u_6u_3^{15}u_1^{11})x_6x_4x_2+$$
$$(256u_6u_5u_3^{18}u_1^8 + 1024u_6u_5u_3^{16}u_1^{10})x_6x_2$$

Reduced to zero.

3230. Creating S-polynomial from the pair (p_{44}, p_{52}).
Skipping pair p_{44} and p_{52} because gcd of their leading monoms is zero.

3231. Creating S-polynomial from the pair (p_{44}, p_{53}).
Skipping pair p_{44} and p_{53} because gcd of their leading monoms is zero.

3232. Creating S-polynomial from the pair (p_{44}, p_{54}).
Skipping pair p_{44} and p_{54} because gcd of their leading monoms is zero.

3233. Creating S-polynomial from the pair (p_{44}, p_{55}).
Skipping pair p_{44} and p_{55} because gcd of their leading monoms is zero.

3234. Creating S-polynomial from the pair (p_{44}, p_{56}).
Skipping pair p_{44} and p_{56} because gcd of their leading monoms is zero.

3235. Creating S-polynomial from the pair (p_{44}, p_{57}).
Skipping pair p_{44} and p_{57} because gcd of their leading monoms is zero.

3236. Creating S-polynomial from the pair (p_{44}, p_{58}).
Skipping pair p_{44} and p_{58} because gcd of their leading monoms is zero.

3237. Creating S-polynomial from the pair (p_{44}, p_{59}).
Skipping pair p_{44} and p_{59} because gcd of their leading monoms is zero.

3238. Creating S-polynomial from the pair (p_{44}, p_{60}).
Skipping pair p_{44} and p_{60} because gcd of their leading monoms is zero.

3239. Creating S-polynomial from the pair (p_{44}, p_{61}).
Skipping pair p_{44} and p_{61} because gcd of their leading monoms is zero.

3240. Creating S-polynomial from the pair (p_{44}, p_{62}).
Skipping pair p_{44} and p_{62} because gcd of their leading monoms is zero.

3241. Creating S-polynomial from the pair (p_{44}, p_{63}).
Skipping pair p_{44} and p_{63} because gcd of their leading monoms is zero.

3242. Creating S-polynomial from the pair (p_{44}, p_{64}).
Skipping pair p_{44} and p_{64} because gcd of their leading monoms is zero.

3243. Creating S-polynomial from the pair (p_{44}, p_{65}).
Skipping pair p_{44} and p_{65} because gcd of their leading monoms is zero.

3244. Creating S-polynomial from the pair (p_{44}, p_{66}).
Skipping pair p_{44} and p_{66} because gcd of their leading monoms is zero.

3245. Creating S-polynomial from the pair (p_{44}, p_{67}).
Skipping pair p_{44} and p_{67} because gcd of their leading monoms is zero.

3246. Creating S-polynomial from the pair (p_{44}, p_{68}).
Skipping pair p_{44} and p_{68} because gcd of their leading monoms is zero.

3247. Creating S-polynomial from the pair (p_{44}, p_{69}).
Skipping pair p_{44} and p_{69} because gcd of their leading monoms is zero.

3248. Creating S-polynomial from the pair (p_{44}, p_{70}).
Skipping pair p_{44} and p_{70} because gcd of their leading monoms is zero.

3249. Creating S-polynomial from the pair (p_{44}, p_{71}).
Skipping pair p_{44} and p_{71} because gcd of their leading monoms is zero.

3250. Creating S-polynomial from the pair (p_{44}, p_{72}).
Skipping pair p_{44} and p_{72} because gcd of their leading monoms is zero.

3251. Creating S-polynomial from the pair (p_{44}, p_{73}).
Skipping pair p_{44} and p_{73} because gcd of their leading monoms is zero.

3252. Creating S-polynomial from the pair (p_{44}, p_{74}).
Skipping pair p_{44} and p_{74} because gcd of their leading monoms is zero.

3253. Creating S-polynomial from the pair (p_{44}, p_{75}).
Skipping pair p_{44} and p_{75} because gcd of their leading monoms is zero.

3254. Creating S-polynomial from the pair (p_{44}, p_{76}).
Skipping pair p_{44} and p_{76} because gcd of their leading monoms is zero.

3255. Creating S-polynomial from the pair (p_{44}, p_{77}).
Skipping pair p_{44} and p_{77} because gcd of their leading monoms is zero.

3256. Creating S-polynomial from the pair (p_{44}, p_{78}).
Skipping pair p_{44} and p_{78} because gcd of their leading monoms is zero.

3257. Creating S-polynomial from the pair (p_{44}, p_{79}).
Skipping pair p_{44} and p_{79} because gcd of their leading monoms is zero.

3258. Creating S-polynomial from the pair (p_{44}, p_{80}).
Skipping pair p_{44} and p_{80} because gcd of their leading monoms is zero.

3259. Creating S-polynomial from the pair (p_{44}, p_{81}).
Skipping pair p_{44} and p_{81} because gcd of their leading monoms is zero.

3260. Creating S-polynomial from the pair (p_{44}, p_{82}).

Forming S-pol of p_{44} and p_{82}:

$$p_{799} = (64u_5u_3^{16}u_1^6 + 256u_5u_3^{14}u_1^8)x_6x_2+$$
$$(-32u_5u_3^{18}u_1^5 - 128u_5u_3^{16}u_1^7)x_6+$$
$$(-32u_5u_3^{17}u_1^5 - 128u_5u_3^{15}u_1^7)x_4x_2+$$
$$(16u_5u_3^{19}u_1^4 + 64u_5u_3^{17}u_1^6)x_4+$$
$$(-16u_5^2u_3^{18}u_1^4 - 64u_5^2u_3^{16}u_1^6)x_2$$

Reduced to zero.

3261. Creating S-polynomial from the pair (p_{44}, p_{83}).

Forming S-pol of p_{44} and p_{83}: Polynomial too big for output (text size is 1105 characters, number of terms is 12)

Reduced to zero.

3262. Creating S-polynomial from the pair (p_{44}, p_{84}).

Forming S-pol of p_{44} and p_{84}:

$$p_{800} = (2048u_3^{17}u_1^{11} + 8192u_3^{15}u_1^{13})x_8x_6x_4+$$
$$(4096u_5u_3^{16}u_1^{12} + 16384u_5u_3^{14}u_1^{14})x_8x_6+$$
$$(-1024u_5u_3^{17}u_1^{10} - 4096u_5u_3^{15}u_1^{12})x_8x_4x_2+$$
$$(512u_5u_3^{19}u_1^9 + 2048u_5u_3^{17}u_1^{11})x_8x_4+$$
$$(-512u_5^2u_3^{18}u_1^9 - 2048u_5^2u_3^{16}u_1^{11})x_8x_2+$$
$$(-2048u_3^{17}u_1^{11} - 8192u_3^{15}u_1^{13})x_6^2x_5+$$
$$(-4096u_6u_3^{16}u_1^{12} - 16384u_6u_3^{14}u_1^{14})x_6^2+$$
$$(-512u_5u_3^{19}u_1^9 - 2048u_5u_3^{17}u_1^{11})x_6x_5+$$
$$(1024u_6u_3^{17}u_1^{10} + 4096u_6u_3^{15}u_1^{12})x_6x_4x_2+$$
$$(512u_6u_5u_3^{18}u_1^9 + 2048u_6u_5u_3^{16}u_1^{11})x_6x_2$$

Reduced to zero.

3263. Creating S-polynomial from the pair (p_{44}, p_{85}).

Forming S-pol of p_{44} and p_{85}:

$$p_{801} = (-1024u_5u_3^{18}u_1^{10} - 4096u_5u_3^{16}u_1^{12})x_8x_6+$$
$$(-1024u_5u_3^{17}u_1^{10} - 4096u_5u_3^{15}u_1^{12})x_8x_4x_2+$$
$$(512u_5u_3^{19}u_1^9 + 2048u_5u_3^{17}u_1^{11})x_8x_4+$$
$$(-512u_5^2u_3^{18}u_1^9 - 2048u_5^2u_3^{16}u_1^{11})x_8x_2+$$
$$(1024u_6u_3^{18}u_1^{10} + 4096u_6u_3^{16}u_1^{12})x_6^2+$$
$$(1024u_5u_3^{17}u_1^{10} + 4096u_5u_3^{15}u_1^{12})x_6x_5x_2+$$
$$(-512u_6u_3^{19}u_1^9 - 2048u_6u_3^{17}u_1^{11})x_6x_4+$$
$$(512u_6u_5u_3^{18}u_1^9 + 2048u_6u_5u_3^{16}u_1^{11})x_6x_2$$

Reduced to zero.

3264. Creating S-polynomial from the pair (p_{44}, p_{86}).

Skipping pair p_{44} and p_{86} because gcd of their leading monoms is zero.

3265. Creating S-polynomial from the pair (p_{44}, p_{87}).

Skipping pair p_{44} and p_{87} because gcd of their leading monoms is zero.

3266. Creating S-polynomial from the pair (p_{44}, p_{88}).

Skipping pair p_{44} and p_{88} because gcd of their leading monoms is zero.

3267. Creating S-polynomial from the pair (p_{44}, p_{89}).

Skipping pair p_{44} and p_{89} because gcd of their leading monoms is zero.

3268. Creating S-polynomial from the pair (p_{44}, p_{90}).

Skipping pair p_{44} and p_{90} because gcd of their leading monoms is zero.

3269. Creating S-polynomial from the pair (p_{44}, p_{91}).

Skipping pair p_{44} and p_{91} because gcd of their leading monoms is zero.

3270. Creating S-polynomial from the pair (p_{44}, p_{92}).

Skipping pair p_{44} and p_{92} because gcd of their leading monoms is zero.

3271. Creating S-polynomial from the pair (p_{44}, p_{93}).

Skipping pair p_{44} and p_{93} because gcd of their leading monoms is zero.

3272. Creating S-polynomial from the pair (p_{44}, p_{94}).

Skipping pair p_{44} and p_{94} because gcd of their leading monoms is zero.

3273. Creating S-polynomial from the pair (p_{44}, p_{95}).

Forming S-pol of p_{44} and p_{95}: Polynomial too big for output (text size is 1411 characters, number of terms is 15)

Reduced to zero.

3274. Creating S-polynomial from the pair (p_{44}, p_{96}).

Skipping pair p_{44} and p_{96} because gcd of their leading monoms is zero.

3275. Creating S-polynomial from the pair (p_{44}, p_{97}).

Skipping pair p_{44} and p_{97} because gcd of their leading monoms is zero.

3276. Creating S-polynomial from the pair (p_{44}, p_{98}).

Skipping pair p_{44} and p_{98} because gcd of their leading monoms is zero.

3277. Creating S-polynomial from the pair (p_{44}, p_{99}).

Skipping pair p_{44} and p_{99} because gcd of their leading monoms is zero.

3278. Creating S-polynomial from the pair (p_{44}, p_{100}).

Skipping pair p_{44} and p_{100} because gcd of their leading monoms is zero.

3279. Creating S-polynomial from the pair (p_{44}, p_{101}).

Skipping pair p_{44} and p_{101} because gcd of their leading monoms is zero.

3280. Creating S-polynomial from the pair (p_{44}, p_{102}).

Skipping pair p_{44} and p_{102} because gcd of their leading monoms is zero.

3281. Creating S-polynomial from the pair (p_{44}, p_{103}).

Skipping pair p_{44} and p_{103} because gcd of their leading monoms is zero.

3282. Creating S-polynomial from the pair (p_{44}, p_{104}).

Skipping pair p_{44} and p_{104} because gcd of their leading monoms is zero.

3283. Creating S-polynomial from the pair (p_{44}, p_{105}).

Skipping pair p_{44} and p_{105} because gcd of their leading monoms is zero.

3284. Creating S-polynomial from the pair (p_{44}, p_{106}).

Skipping pair p_{44} and p_{106} because gcd of their leading monoms is zero.

3285. Creating S-polynomial from the pair (p_{45}, p_{46}).

Forming S-pol of p_{45} and p_{46}:

$$p_{802} = -4096u_3^{18}u_1^{12}x_8x_6x_4 + (2048u_5u_3^{18}u_1^{11} + 8192u_5u_3^{16}u_1^{13})x_8x_4x_2+$$
$$(-1024u_5u_3^{20}u_1^{10} - 4096u_5u_3^{18}u_1^{12})x_8x_4+$$
$$(1024u_5^2u_3^{19}u_1^{10} + 4096u_5^2u_3^{17}u_1^{12})x_8x_2 + 4096u_3^{18}u_1^{12}x_6^2x_5-$$
$$8192u_5u_3^{16}u_1^{13}x_6x_5x_2 + 1024u_5u_3^{20}u_1^{10}x_6x_5-$$
$$2048u_6u_3^{18}u_1^{11}x_6x_4x_2 + 4096u_6u_3^{18}u_1^{12}x_6x_4+$$
$$(-1024u_6u_5u_3^{19}u_1^{10} - 4096u_6u_5u_3^{17}u_1^{12})x_6x_2$$

Reduced to zero.

3286. Creating S-polynomial from the pair (p_{45}, p_{47}).

Forming S-pol of p_{45} and p_{47}: Polynomial too big for output (text size is 1586 characters, number of terms is 17)

Reduced to zero.

3287. Creating S-polynomial from the pair (p_{45}, p_{48}).

Forming S-pol of p_{45} and p_{48}:

$$p_{803} = -65536u_3^{20}u_1^{16}x_8x_6x_4+$$
$$(-32768u_5u_3^{21}u_1^{15} - 131072u_5u_3^{19}u_1^{17})x_8x_6 + 65536u_3^{20}u_1^{16}x_6^2x_5+$$
$$(32768u_6u_3^{21}u_1^{15} + 131072u_6u_3^{19}u_1^{17})x_6^2 + 32768u_5u_3^{20}u_1^{15}x_6x_5x_2+$$
$$16384u_5u_3^{22}u_1^{14}x_6x_5 - 32768u_6u_3^{20}u_1^{15}x_6x_4x_2-$$
$$16384u_6u_3^{22}u_1^{14}x_6x_4$$

Reduced to zero.

3288. Creating S-polynomial from the pair (p_{45}, p_{49}).

Forming S-pol of p_{45} and p_{49}:

$$p_{804} = (131072u_3^{26}u_1^{17} - 2097152u_3^{22}u_1^{21})x_8x_6x_4+$$
$$(-1048576u_5u_3^{23}u_1^{20} - 4194304u_5u_3^{21}u_1^{22})x_8x_6+$$
$$(-131072u_3^{26}u_1^{17} + 2097152u_3^{22}u_1^{21})x_6^2x_5+$$
$$(1048576u_6u_3^{23}u_1^{20} + 4194304u_6u_3^{21}u_1^{22})x_6^2+$$
$$(-65536u_5u_3^{26}u_1^{16} + 1048576u_5u_3^{22}u_1^{20})x_6x_5x_2+$$
$$(131072u_5u_3^{26}u_1^{17} + 524288u_5u_3^{24}u_1^{19})x_6x_5+$$
$$(65536u_6u_3^{26}u_1^{16} - 1048576u_6u_3^{22}u_1^{20})x_6x_4x_2+$$
$$(-131072u_6u_3^{26}u_1^{17} - 524288u_6u_3^{24}u_1^{19})x_6x_4$$

Reduced to zero.

3289. Creating S-polynomial from the pair (p_{45}, p_{50}).

Forming S-pol of p_{45} and p_{50}: Polynomial too big for output (text size is 1166 characters, number of terms is 12)

Reduced to zero.

3290. Creating S-polynomial from the pair (p_{45}, p_{51}).

Forming S-pol of p_{45} and p_{51}:

$$p_{805} = 262144u_3^{18}u_1^{18}x_8x_6x_4+$$
$$(131072u_5u_3^{19}u_1^{17} + 524288u_5u_3^{17}u_1^{19})x_8x_6 - 262144u_3^{18}u_1^{18}x_6^2x_5+$$
$$(-131072u_6u_3^{19}u_1^{17} - 524288u_6u_3^{17}u_1^{19})x_6^2-$$
$$131072u_5u_3^{18}u_1^{17}x_6x_5x_2 - 65536u_5u_3^{20}u_1^{16}x_6x_5+$$
$$131072u_6u_3^{18}u_1^{17}x_6x_4x_2 + 65536u_6u_3^{20}u_1^{16}x_6x_4$$

Reduced to zero.

3291. Creating S-polynomial from the pair (p_{45}, p_{52}).

Forming S-pol of p_{45} and p_{52}: Polynomial too big for output (text size is 1871 characters, number of terms is 18)

Reduced to zero.

3292. Creating S-polynomial from the pair (p_{45}, p_{53}).

Forming S-pol of p_{45} and p_{53}:

$$p_{806} = 16384u_3^{16}u_1^{14}x_8^2x_4+$$
$$(-2048u_5u_3^{19}u_1^{11} + 32768u_5u_3^{15}u_1^{15})x_8^2 - 16384u_3^{16}u_1^{14}x_8x_6x_5+$$
$$(2048u_6u_3^{19}u_1^{11} - 32768u_6u_3^{15}u_1^{15})x_8x_6 - 8192u_5u_3^{16}u_1^{13}x_8x_5x_2+$$
$$1024u_5u_3^{20}u_1^{10}x_8x_5 - 2048u_6u_3^{18}u_1^{11}x_8x_4x_2+$$
$$4096u_6u_3^{18}u_1^{12}x_8x_4+$$

$$(-1024u_6u_5u_3^{19}u_1^{10} - 4096u_6u_5u_3^{17}u_1^{12})x_8x_2+$$
$$(2048u_6u_3^{18}u_1^{11} + 8192u_6u_3^{16}u_1^{13})x_6x_5x_2+$$
$$(-1024u_6u_3^{20}u_1^{10} - 4096u_6u_3^{18}u_1^{12})x_6x_5+$$
$$(1024u_6^2u_3^{19}u_1^{10} + 4096u_6^2u_3^{17}u_1^{12})x_6x_2$$

Reduced to zero.

3293. Creating S-polynomial from the pair (p_{45}, p_{54}).
Skipping pair p_{45} and p_{54} because gcd of their leading monoms is zero.

3294. Creating S-polynomial from the pair (p_{45}, p_{55}).
Skipping pair p_{45} and p_{55} because gcd of their leading monoms is zero.

3295. Creating S-polynomial from the pair (p_{45}, p_{56}).
Skipping pair p_{45} and p_{56} because gcd of their leading monoms is zero.

3296. Creating S-polynomial from the pair (p_{45}, p_{57}).
Skipping pair p_{45} and p_{57} because gcd of their leading monoms is zero.

3297. Creating S-polynomial from the pair (p_{45}, p_{58}).
Skipping pair p_{45} and p_{58} because gcd of their leading monoms is zero.

3298. Creating S-polynomial from the pair (p_{45}, p_{59}).
Skipping pair p_{45} and p_{59} because gcd of their leading monoms is zero.

3299. Creating S-polynomial from the pair (p_{45}, p_{60}).
Skipping pair p_{45} and p_{60} because gcd of their leading monoms is zero.

3300. Creating S-polynomial from the pair (p_{45}, p_{61}).
Skipping pair p_{45} and p_{61} because gcd of their leading monoms is zero.

3301. Creating S-polynomial from the pair (p_{45}, p_{62}).
Skipping pair p_{45} and p_{62} because gcd of their leading monoms is zero.

3302. Creating S-polynomial from the pair (p_{45}, p_{63}).
Skipping pair p_{45} and p_{63} because gcd of their leading monoms is zero.

3303. Creating S-polynomial from the pair (p_{45}, p_{64}).
Skipping pair p_{45} and p_{64} because gcd of their leading monoms is zero.

3304. Creating S-polynomial from the pair (p_{45}, p_{65}).
Skipping pair p_{45} and p_{65} because gcd of their leading monoms is zero.

3305. Creating S-polynomial from the pair (p_{45}, p_{66}).
Skipping pair p_{45} and p_{66} because gcd of their leading monoms is zero.

3306. Creating S-polynomial from the pair (p_{45}, p_{67}).
Skipping pair p_{45} and p_{67} because gcd of their leading monoms is zero.

3307. Creating S-polynomial from the pair (p_{45}, p_{68}).
Skipping pair p_{45} and p_{68} because gcd of their leading monoms is zero.

3308. Creating S-polynomial from the pair (p_{45}, p_{69}).
Skipping pair p_{45} and p_{69} because gcd of their leading monoms is zero.

3309. Creating S-polynomial from the pair (p_{45}, p_{70}).
Skipping pair p_{45} and p_{70} because gcd of their leading monoms is zero.

3310. Creating S-polynomial from the pair (p_{45}, p_{71}).
Skipping pair p_{45} and p_{71} because gcd of their leading monoms is zero.

3311. Creating S-polynomial from the pair (p_{45}, p_{72}).
Skipping pair p_{45} and p_{72} because gcd of their leading monoms is zero.

3312. Creating S-polynomial from the pair (p_{45}, p_{73}).
Skipping pair p_{45} and p_{73} because gcd of their leading monoms is zero.

3313. Creating S-polynomial from the pair (p_{45}, p_{74}).
Skipping pair p_{45} and p_{74} because gcd of their leading monoms is zero.

3314. Creating S-polynomial from the pair (p_{45}, p_{75}).
Skipping pair p_{45} and p_{75} because gcd of their leading monoms is zero.

3315. Creating S-polynomial from the pair (p_{45}, p_{76}).
Skipping pair p_{45} and p_{76} because gcd of their leading monoms is zero.

3316. Creating S-polynomial from the pair (p_{45}, p_{77}).
Skipping pair p_{45} and p_{77} because gcd of their leading monoms is zero.

3317. Creating S-polynomial from the pair (p_{45}, p_{78}).
Skipping pair p_{45} and p_{78} because gcd of their leading monoms is zero.

3318. Creating S-polynomial from the pair (p_{45}, p_{79}).
Skipping pair p_{45} and p_{79} because gcd of their leading monoms is zero.

3319. Creating S-polynomial from the pair (p_{45}, p_{80}).
Skipping pair p_{45} and p_{80} because gcd of their leading monoms is zero.

3320. Creating S-polynomial from the pair (p_{45}, p_{81}).
Forming S-pol of p_{45} and p_{81}:

$$\begin{gathered}
p_{807} = -1048576u_5u_3^{22}u_1^{20}x_8x_4+ \\
(131072u_5^2u_3^{25}u_1^{17} - 2097152u_5^2u_3^{21}u_1^{21})x_8+ \\
(524288u_6u_3^{23}u_1^{19} + 2097152u_6u_3^{21}u_1^{21})x_6^2 + 1048576u_5u_3^{22}u_1^{20}x_6x_5+ \\
(-262144u_6u_3^{24}u_1^{18} - 1048576u_6u_3^{22}u_1^{20})x_6x_4+ \\
524288u_5^2u_3^{22}u_1^{19}x_5x_2 - 65536u_5^2u_3^{26}u_1^{16}x_5+ \\
131072u_6u_5u_3^{24}u_1^{17}x_4x_2 - 262144u_6u_5u_3^{24}u_1^{18}x_4+ \\
(65536u_6u_5^2u_3^{25}u_1^{16} + 262144u_6u_5^2u_3^{23}u_1^{18})x_2
\end{gathered}$$

Reduced to zero.

3321. Creating S-polynomial from the pair (p_{45}, p_{82}).

Forming S-pol of p_{45} and p_{82}:

$$p_{808} = -4096u_3^{20}u_1^{12}x_8x_4 + (4096u_5u_3^{19}u_1^{12} + 16384u_5u_3^{17}u_1^{14})x_8x_2+$$
$$(-2048u_5u_3^{21}u_1^{11} - 8192u_5u_3^{19}u_1^{13})x_8 + 4096u_3^{20}u_1^{12}x_6x_5-$$
$$8192u_5u_3^{18}u_1^{13}x_5x_2 + 1024u_5u_3^{22}u_1^{10}x_5 - 2048u_6u_3^{20}u_1^{11}x_4x_2+$$
$$4096u_6u_3^{20}u_1^{12}x_4 + (-1024u_6u_5u_3^{21}u_1^{10} - 4096u_6u_5u_3^{19}u_1^{12})x_2$$

Reduced to zero.

3322. Creating S-polynomial from the pair (p_{45}, p_{83}).

Forming S-pol of p_{45} and p_{83}: Polynomial too big for output (text size is 1008 characters, number of terms is 12)

Reduced to zero.

3323. Creating S-polynomial from the pair (p_{45}, p_{84}).

Forming S-pol of p_{45} and p_{84}:

$$p_{809} = 524288u_3^{18}u_1^{19}x_8x_6x_4+$$
$$(262144u_5u_3^{19}u_1^{18} + 1048576u_5u_3^{17}u_1^{20})x_8x_6 - 524288u_3^{18}u_1^{19}x_6^2x_5+$$
$$(-262144u_6u_3^{19}u_1^{18} - 1048576u_6u_3^{17}u_1^{20})x_6^2-$$
$$262144u_5u_3^{18}u_1^{18}x_6x_5x_2 - 131072u_5u_3^{20}u_1^{17}x_6x_5+$$
$$262144u_6u_3^{18}u_1^{18}x_6x_4x_2 + 131072u_6u_3^{20}u_1^{17}x_6x_4$$

Reduced to zero.

3324. Creating S-polynomial from the pair (p_{45}, p_{85}).

Forming S-pol of p_{45} and p_{85}:

$$p_{810} = -131072u_3^{20}u_1^{17}x_8x_6x_4+$$
$$(-65536u_5u_3^{21}u_1^{16} - 262144u_5u_3^{19}u_1^{18})x_8x_6 + 131072u_3^{20}u_1^{17}x_6^2x_5+$$
$$(65536u_6u_3^{21}u_1^{16} + 262144u_6u_3^{19}u_1^{18})x_6^2 + 65536u_5u_3^{20}u_1^{16}x_6x_5x_2+$$
$$32768u_5u_3^{22}u_1^{15}x_6x_5 - 65536u_6u_3^{20}u_1^{16}x_6x_4x_2-$$
$$32768u_6u_3^{22}u_1^{15}x_6x_4$$

Reduced to zero.

3325. Creating S-polynomial from the pair (p_{45}, p_{86}).

Forming S-pol of p_{45} and p_{86}: Polynomial too big for output (text size is 1441 characters, number of terms is 14)

S-pol added.

3326. Creating S-polynomial from the pair (p_{45}, p_{87}).

Forming S-pol of p_{45} and p_{87}:

$$p_{811} = 16384u_3^{18}u_1^{14}x_8x_4+$$
$$(-2048u_5u_3^{21}u_1^{11} + 32768u_5u_3^{17}u_1^{15})x_8 - 16384u_3^{18}u_1^{14}x_6x_5+$$
$$(4096u_6u_3^{19}u_1^{12} + 16384u_6u_3^{17}u_1^{14})x_6x_2+$$
$$(-8192u_6u_3^{19}u_1^{13} - 32768u_6u_3^{17}u_1^{15})x_6 - 8192u_5u_3^{18}u_1^{13}x_5x_2+$$
$$1024u_5u_3^{22}u_1^{10}x_5 - 2048u_6u_3^{20}u_1^{11}x_4x_2 + 4096u_6u_3^{20}u_1^{12}x_4+$$
$$(-1024u_6u_5u_3^{21}u_1^{10} - 4096u_6u_5u_3^{19}u_1^{12})x_2$$

Reduced to zero.

3327. Creating S-polynomial from the pair (p_{45}, p_{88}).

Skipping pair p_{45} and p_{88} because gcd of their leading monoms is zero.

3328. Creating S-polynomial from the pair (p_{45}, p_{89}).

Skipping pair p_{45} and p_{89} because gcd of their leading monoms is zero.

3329. Creating S-polynomial from the pair (p_{45}, p_{90}).

Skipping pair p_{45} and p_{90} because gcd of their leading monoms is zero.

3330. Creating S-polynomial from the pair (p_{45}, p_{91}).

Skipping pair p_{45} and p_{91} because gcd of their leading monoms is zero.

3331. Creating S-polynomial from the pair (p_{45}, p_{92}).

Skipping pair p_{45} and p_{92} because gcd of their leading monoms is zero.

3332. Creating S-polynomial from the pair (p_{45}, p_{93}).

Skipping pair p_{45} and p_{93} because gcd of their leading monoms is zero.

3333. Creating S-polynomial from the pair (p_{45}, p_{94}).

Skipping pair p_{45} and p_{94} because gcd of their leading monoms is zero.

3334. Creating S-polynomial from the pair (p_{45}, p_{95}).

Forming S-pol of p_{45} and p_{95}: Polynomial too big for output (text size is 1237 characters, number of terms is 15)

Reduced to zero.

3335. Creating S-polynomial from the pair (p_{45}, p_{96}).

Forming S-pol of p_{45} and p_{96}:

$$p_{812} = (-32768u_5u_3^{17}u_1^{15} - 131072u_5u_3^{15}u_1^{17})x_8x_6 - 32768u_3^{17}u_1^{15}x_8x_4^2+$$
$$(4096u_5u_3^{20}u_1^{12} - 65536u_5u_3^{16}u_1^{16})x_8x_4+$$
$$(16384u_3^{18}u_1^{14} + 65536u_3^{16}u_1^{16})x_6^2x_5+$$
$$(32768u_6u_3^{17}u_1^{15} + 131072u_6u_3^{15}u_1^{17})x_6^2 - 8192u_3^{19}u_1^{13}x_6x_5x_4+$$
$$(8192u_5u_3^{18}u_1^{13} + 32768u_5u_3^{16}u_1^{15})x_6x_5x_2+$$

$$(-8192u_6u_3^{18}u_1^{13} - 32768u_6u_3^{16}u_1^{15})x_6x_4x_2+$$
$$16384u_5u_3^{17}u_1^{14}x_5x_4x_2 - 2048u_5u_3^{21}u_1^{11}x_5x_4+$$
$$4096u_6u_3^{19}u_1^{12}x_4^2x_2 - 8192u_6u_3^{19}u_1^{13}x_4^2+$$
$$(2048u_6u_5u_3^{20}u_1^{11} + 8192u_6u_5u_3^{18}u_1^{13})x_4x_2$$

Reduced to zero.

3336. Creating S-polynomial from the pair (p_{45}, p_{97}).

Forming S-pol of p_{45} and p_{97}: Polynomial too big for output (text size is 1099 characters, number of terms is 14)

S-pol added.

3337. Creating S-polynomial from the pair (p_{45}, p_{98}).

Forming S-pol of p_{45} and p_{98}: Polynomial too big for output (text size is 5272 characters, number of terms is 34)

Reduced to zero.

3338. Creating S-polynomial from the pair (p_{45}, p_{99}).

Forming S-pol of p_{45} and p_{99}: Polynomial too big for output (text size is 5268 characters, number of terms is 34)

Reduced to zero.

3339. Creating S-polynomial from the pair (p_{45}, p_{100}).

Skipping pair p_{45} and p_{100} because gcd of their leading monoms is zero.

3340. Creating S-polynomial from the pair (p_{45}, p_{101}).

Skipping pair p_{45} and p_{101} because gcd of their leading monoms is zero.

3341. Creating S-polynomial from the pair (p_{45}, p_{102}).

Skipping pair p_{45} and p_{102} because gcd of their leading monoms is zero.

3342. Creating S-polynomial from the pair (p_{45}, p_{103}).

Skipping pair p_{45} and p_{103} because gcd of their leading monoms is zero.

3343. Creating S-polynomial from the pair (p_{45}, p_{104}).

Skipping pair p_{45} and p_{104} because gcd of their leading monoms is zero.

3344. Creating S-polynomial from the pair (p_{45}, p_{105}).

Skipping pair p_{45} and p_{105} because gcd of their leading monoms is zero.

3345. Creating S-polynomial from the pair (p_{45}, p_{106}).

Skipping pair p_{45} and p_{106} because gcd of their leading monoms is zero.

3346. Creating S-polynomial from the pair (p_{46}, p_{47}).

Forming S-pol of p_{46} and p_{47}: Polynomial too big for output (text size is 1135 characters, number of terms is 16)

Reduced to zero.

3347. Creating S-polynomial from the pair (p_{46}, p_{48}).

Forming S-pol of p_{46} and p_{48}:

$$p_{813} = 256u_5u_3^{12}u_1^8x_8x_6 + 256u_5u_3^{11}u_1^8x_8x_4x_2 - 128u_5u_3^{13}u_1^7x_8x_4+$$
$$128u_5^2u_3^{12}u_1^7x_8x_2 - 256u_6u_3^{12}u_1^8x_6^2-$$
$$256u_5u_3^{11}u_1^8x_6x_5x_2 + 128u_6u_3^{13}u_1^7x_6x_4-$$
$$128u_6u_5u_3^{12}u_1^7x_6x_2$$

Reduced to zero.

3348. Creating S-polynomial from the pair (p_{46}, p_{49}).

Forming S-pol of p_{46} and p_{49}:

$$p_{814} = 4096u_3^{15}u_1^{12}x_8x_6x_4 + 8192u_5u_3^{14}u_1^{13}x_8x_6+$$
$$(-512u_5u_3^{17}u_1^9 - 2048u_5u_3^{15}u_1^{11})x_8x_4x_2+$$
$$(256u_5u_3^{19}u_1^8 + 1024u_5u_3^{17}u_1^{10})x_8x_4+$$
$$(-256u_5^2u_3^{18}u_1^8 - 1024u_5^2u_3^{16}u_1^{10})x_8x_2 - 4096u_3^{15}u_1^{12}x_6^2x_5-$$
$$8192u_6u_3^{14}u_1^{13}x_6^2 + 512u_5u_3^{17}u_1^9x_6x_5x_2+$$
$$(-256u_5u_3^{19}u_1^8 - 1024u_5u_3^{17}u_1^{10})x_6x_5 + 2048u_6u_3^{15}u_1^{11}x_6x_4x_2+$$
$$(256u_6u_5u_3^{18}u_1^8 + 1024u_6u_5u_3^{16}u_1^{10})x_6x_2$$

Reduced to zero.

3349. Creating S-polynomial from the pair (p_{46}, p_{50}).

Skipping pair p_{46} and p_{50} because gcd of their leading monoms is zero.

3350. Creating S-polynomial from the pair (p_{46}, p_{51}).

Forming S-pol of p_{46} and p_{51}:

$$p_{815} = -512u_3^{11}u_1^9x_8x_6x_4 - 1024u_5u_3^{10}u_1^{10}x_8x_6+$$
$$256u_5u_3^{11}u_1^8x_8x_4x_2 - 128u_5u_3^{13}u_1^7x_8x_4+$$
$$128u_5^2u_3^{12}u_1^7x_8x_2 + 512u_3^{11}u_1^9x_6^2x_5 + 1024u_6u_3^{10}u_1^{10}x_6^2+$$
$$128u_5u_3^{13}u_1^7x_6x_5 - 256u_6u_3^{11}u_1^8x_6x_4x_2-$$
$$128u_6u_5u_3^{12}u_1^7x_6x_2$$

Reduced to zero.

3351. Creating S-polynomial from the pair (p_{46}, p_{52}).

Skipping pair p_{46} and p_{52} because gcd of their leading monoms is zero.

3352. Creating S-polynomial from the pair (p_{46}, p_{53}).

Skipping pair p_{46} and p_{53} because gcd of their leading monoms is zero.

3353. Creating S-polynomial from the pair (p_{46}, p_{54}).

Skipping pair p_{46} and p_{54} because gcd of their leading monoms is zero.

3354. Creating S-polynomial from the pair (p_{46}, p_{55}).
Skipping pair p_{46} and p_{55} because gcd of their leading monoms is zero.

3355. Creating S-polynomial from the pair (p_{46}, p_{56}).
Skipping pair p_{46} and p_{56} because gcd of their leading monoms is zero.

3356. Creating S-polynomial from the pair (p_{46}, p_{57}).
Skipping pair p_{46} and p_{57} because gcd of their leading monoms is zero.

3357. Creating S-polynomial from the pair (p_{46}, p_{58}).
Skipping pair p_{46} and p_{58} because gcd of their leading monoms is zero.

3358. Creating S-polynomial from the pair (p_{46}, p_{59}).
Skipping pair p_{46} and p_{59} because gcd of their leading monoms is zero.

3359. Creating S-polynomial from the pair (p_{46}, p_{60}).
Skipping pair p_{46} and p_{60} because gcd of their leading monoms is zero.

3360. Creating S-polynomial from the pair (p_{46}, p_{61}).
Skipping pair p_{46} and p_{61} because gcd of their leading monoms is zero.

3361. Creating S-polynomial from the pair (p_{46}, p_{62}).
Skipping pair p_{46} and p_{62} because gcd of their leading monoms is zero.

3362. Creating S-polynomial from the pair (p_{46}, p_{63}).
Skipping pair p_{46} and p_{63} because gcd of their leading monoms is zero.

3363. Creating S-polynomial from the pair (p_{46}, p_{64}).
Skipping pair p_{46} and p_{64} because gcd of their leading monoms is zero.

3364. Creating S-polynomial from the pair (p_{46}, p_{65}).
Skipping pair p_{46} and p_{65} because gcd of their leading monoms is zero.

3365. Creating S-polynomial from the pair (p_{46}, p_{66}).
Skipping pair p_{46} and p_{66} because gcd of their leading monoms is zero.

3366. Creating S-polynomial from the pair (p_{46}, p_{67}).
Skipping pair p_{46} and p_{67} because gcd of their leading monoms is zero.

3367. Creating S-polynomial from the pair (p_{46}, p_{68}).
Skipping pair p_{46} and p_{68} because gcd of their leading monoms is zero.

3368. Creating S-polynomial from the pair (p_{46}, p_{69}).
Skipping pair p_{46} and p_{69} because gcd of their leading monoms is zero.

3369. Creating S-polynomial from the pair (p_{46}, p_{70}).
Skipping pair p_{46} and p_{70} because gcd of their leading monoms is zero.

3370. Creating S-polynomial from the pair (p_{46}, p_{71}).
Skipping pair p_{46} and p_{71} because gcd of their leading monoms is zero.

3371. Creating S-polynomial from the pair (p_{46}, p_{72}).
Skipping pair p_{46} and p_{72} because gcd of their leading monoms is zero.

3372. Creating S-polynomial from the pair (p_{46}, p_{73}).
Skipping pair p_{46} and p_{73} because gcd of their leading monoms is zero.

3373. Creating S-polynomial from the pair (p_{46}, p_{74}).
Skipping pair p_{46} and p_{74} because gcd of their leading monoms is zero.

3374. Creating S-polynomial from the pair (p_{46}, p_{75}).
Skipping pair p_{46} and p_{75} because gcd of their leading monoms is zero.

3375. Creating S-polynomial from the pair (p_{46}, p_{76}).
Skipping pair p_{46} and p_{76} because gcd of their leading monoms is zero.

3376. Creating S-polynomial from the pair (p_{46}, p_{77}).
Skipping pair p_{46} and p_{77} because gcd of their leading monoms is zero.

3377. Creating S-polynomial from the pair (p_{46}, p_{78}).
Skipping pair p_{46} and p_{78} because gcd of their leading monoms is zero.

3378. Creating S-polynomial from the pair (p_{46}, p_{79}).
Skipping pair p_{46} and p_{79} because gcd of their leading monoms is zero.

3379. Creating S-polynomial from the pair (p_{46}, p_{80}).
Skipping pair p_{46} and p_{80} because gcd of their leading monoms is zero.

3380. Creating S-polynomial from the pair (p_{46}, p_{81}).
Skipping pair p_{46} and p_{81} because gcd of their leading monoms is zero.

3381. Creating S-polynomial from the pair (p_{46}, p_{82}).
Forming S-pol of p_{46} and p_{82}:

$$p_{816} = -32u_5u_3^{10}u_1^5x_6x_2 + 16u_5u_3^{12}u_1^4x_6 + 16u_5u_3^{11}u_1^4x_4x_2 - \\ 8u_5u_3^{13}u_1^3x_4 + 8u_5^2u_3^{12}u_1^3x_2$$

Reduced to zero.

3382. Creating S-polynomial from the pair (p_{46}, p_{83}).
Forming S-pol of p_{46} and p_{83}:

$$p_{817} = -4194304u_5u_3^{23}u_1^{21}x_8x_6x_4 - 4194304u_5^2u_3^{22}u_1^{22}x_8x_6 + \\ 1048576u_5^2u_3^{23}u_1^{20}x_8x_4x_2 - 524288u_5^2u_3^{25}u_1^{19}x_8x_4 + \\ 524288u_5^3u_3^{24}u_1^{19}x_8x_2 + 4194304u_6u_3^{22}u_1^{22}x_6^3 + \\ 2097152u_5u_3^{23}u_1^{21}x_6^2x_5 + 1048576u_6u_5u_3^{24}u_1^{20}x_6^2 + \\ 1048576u_5u_3^{24}u_1^{20}x_6x_5x_4 + 524288u_5^2u_3^{25}u_1^{19}x_6x_5 + \\ (-524288u_6u_5u_3^{25}u_1^{19} - 2097152u_6u_3^{24}u_1^{21})x_6x_4 + \\ 1048576u_6u_5^2u_3^{24}u_1^{20}x_6$$

Reduced to zero.

3383. Creating S-polynomial from the pair (p_{46}, p_{84}).

Forming S-pol of p_{46} and p_{84}:

$$p_{818} = -1024u_3^{11}u_1^{10}x_8x_6x_4 - 2048u_5u_3^{10}u_1^{11}x_8x_6+$$
$$512u_5u_3^{11}u_1^9x_8x_4x_2 - 256u_5u_3^{13}u_1^8x_8x_4+$$
$$256u_5^2u_3^{12}u_1^8x_8x_2 + 1024u_3^{11}u_1^{10}x_6^2x_5 + 2048u_6u_3^{10}u_1^{11}x_6^2+$$
$$256u_5u_3^{13}u_1^8x_6x_5 - 512u_6u_3^{11}u_1^9x_6x_4x_2-$$
$$256u_6u_5u_3^{12}u_1^8x_6x_2$$

Reduced to zero.

3384. Creating S-polynomial from the pair (p_{46}, p_{85}).

Forming S-pol of p_{46} and p_{85}:

$$p_{819} = 512u_5u_3^{12}u_1^9x_8x_6 + 512u_5u_3^{11}u_1^9x_8x_4x_2 - 256u_5u_3^{13}u_1^8x_8x_4+$$
$$256u_5^2u_3^{12}u_1^8x_8x_2 - 512u_6u_3^{12}u_1^9x_6^2-$$
$$512u_5u_3^{11}u_1^9x_6x_5x_2 + 256u_6u_3^{13}u_1^8x_6x_4-$$
$$256u_6u_5u_3^{12}u_1^8x_6x_2$$

Reduced to zero.

3385. Creating S-polynomial from the pair (p_{46}, p_{86}).

Skipping pair p_{46} and p_{86} because gcd of their leading monoms is zero.

3386. Creating S-polynomial from the pair (p_{46}, p_{87}).

Skipping pair p_{46} and p_{87} because gcd of their leading monoms is zero.

3387. Creating S-polynomial from the pair (p_{46}, p_{88}).

Skipping pair p_{46} and p_{88} because gcd of their leading monoms is zero.

3388. Creating S-polynomial from the pair (p_{46}, p_{89}).

Skipping pair p_{46} and p_{89} because gcd of their leading monoms is zero.

3389. Creating S-polynomial from the pair (p_{46}, p_{90}).

Skipping pair p_{46} and p_{90} because gcd of their leading monoms is zero.

3390. Creating S-polynomial from the pair (p_{46}, p_{91}).

Skipping pair p_{46} and p_{91} because gcd of their leading monoms is zero.

3391. Creating S-polynomial from the pair (p_{46}, p_{92}).

Skipping pair p_{46} and p_{92} because gcd of their leading monoms is zero.

3392. Creating S-polynomial from the pair (p_{46}, p_{93}).

Skipping pair p_{46} and p_{93} because gcd of their leading monoms is zero.

3393. Creating S-polynomial from the pair (p_{46}, p_{94}).

Skipping pair p_{46} and p_{94} because gcd of their leading monoms is zero.

3394. Creating S-polynomial from the pair (p_{46}, p_{95}).

Forming S-pol of p_{46} and p_{95}:

$$p_{820} = 2097152u_5u_3^{21}u_1^{21}x_8x_6^2 - 2097152u_3^{21}u_1^{21}x_8x_6x_4^2+$$
$$(1048576u_5u_3^{22}u_1^{20} + 4194304u_3^{21}u_1^{22})x_8x_6x_4+$$
$$(524288u_5^2u_3^{23}u_1^{19} - 2097152u_5^2u_3^{21}u_1^{21})x_8x_6+$$
$$1048576u_5u_3^{21}u_1^{20}x_8x_4^2x_2 - 524288u_5u_3^{23}u_1^{19}x_8x_4^2+$$
$$524288u_5^2u_3^{22}u_1^{19}x_8x_4x_2 - 2097152u_6u_3^{21}u_1^{21}x_6^3-$$
$$1048576u_5u_3^{22}u_1^{20}x_6^2x_5 - 524288u_6u_5u_3^{23}u_1^{19}x_6^2-$$
$$1048576u_5u_3^{21}u_1^{20}x_6x_5x_4x_2 - 262144u_5^2u_3^{24}u_1^{18}x_6x_5-$$
$$524288u_6u_5u_3^{22}u_1^{19}x_6x_4x_2+$$
$$(262144u_6u_5u_3^{24}u_1^{18} + 1048576u_6u_3^{23}u_1^{20})x_6x_4-$$
$$524288u_6u_5^2u_3^{23}u_1^{19}x_6$$

Reduced to zero.

3395. Creating S-polynomial from the pair (p_{46}, p_{96}).

Skipping pair p_{46} and p_{96} because gcd of their leading monoms is zero.

3396. Creating S-polynomial from the pair (p_{46}, p_{97}).

Skipping pair p_{46} and p_{97} because gcd of their leading monoms is zero.

3397. Creating S-polynomial from the pair (p_{46}, p_{98}).

Skipping pair p_{46} and p_{98} because gcd of their leading monoms is zero.

3398. Creating S-polynomial from the pair (p_{46}, p_{99}).

Skipping pair p_{46} and p_{99} because gcd of their leading monoms is zero.

3399. Creating S-polynomial from the pair (p_{46}, p_{100}).

Skipping pair p_{46} and p_{100} because gcd of their leading monoms is zero.

3400. Creating S-polynomial from the pair (p_{46}, p_{101}).

Skipping pair p_{46} and p_{101} because gcd of their leading monoms is zero.

3401. Creating S-polynomial from the pair (p_{46}, p_{102}).

Skipping pair p_{46} and p_{102} because gcd of their leading monoms is zero.

3402. Creating S-polynomial from the pair (p_{46}, p_{103}).

Skipping pair p_{46} and p_{103} because gcd of their leading monoms is zero.

3403. Creating S-polynomial from the pair (p_{46}, p_{104}).

Skipping pair p_{46} and p_{104} because gcd of their leading monoms is zero.

3404. Creating S-polynomial from the pair (p_{46}, p_{105}).

Skipping pair p_{46} and p_{105} because gcd of their leading monoms is zero.

3405. Creating S-polynomial from the pair (p_{46}, p_{106}).

Skipping pair p_{46} and p_{106} because gcd of their leading monoms is zero.

3406. Creating S-polynomial from the pair (p_{47}, p_{48}).

Forming S-pol of p_{47} and p_{48}: Polynomial too big for output (text size is 1018 characters, number of terms is 15)

Reduced to zero.

3407. Creating S-polynomial from the pair (p_{47}, p_{49}).

Forming S-pol of p_{47} and p_{49}: Polynomial too big for output (text size is 1708 characters, number of terms is 17)

Reduced to zero.

3408. Creating S-polynomial from the pair (p_{47}, p_{50}).

Forming S-pol of p_{47} and p_{50}: Polynomial too big for output (text size is 1994 characters, number of terms is 17)

Reduced to zero.

3409. Creating S-polynomial from the pair (p_{47}, p_{51}).

Forming S-pol of p_{47} and p_{51}: Polynomial too big for output (text size is 1146 characters, number of terms is 16)

Reduced to zero.

3410. Creating S-polynomial from the pair (p_{47}, p_{52}).

Forming S-pol of p_{47} and p_{52}: Polynomial too big for output (text size is 2348 characters, number of terms is 19)

Reduced to zero.

3411. Creating S-polynomial from the pair (p_{47}, p_{53}).

Forming S-pol of p_{47} and p_{53}: Polynomial too big for output (text size is 1294 characters, number of terms is 17)

Reduced to zero.

3412. Creating S-polynomial from the pair (p_{47}, p_{54}).

Skipping pair p_{47} and p_{54} because gcd of their leading monoms is zero.

3413. Creating S-polynomial from the pair (p_{47}, p_{55}).

Skipping pair p_{47} and p_{55} because gcd of their leading monoms is zero.

3414. Creating S-polynomial from the pair (p_{47}, p_{56}).

Skipping pair p_{47} and p_{56} because gcd of their leading monoms is zero.

3415. Creating S-polynomial from the pair (p_{47}, p_{57}).

Forming S-pol of p_{47} and p_{57}: Polynomial too big for output (text size is 4535 characters, number of terms is 24)

Reduced to zero.

3416. Creating S-polynomial from the pair (p_{47}, p_{58}).

Skipping pair p_{47} and p_{58} because gcd of their leading monoms is zero.

3417. Creating S-polynomial from the pair (p_{47}, p_{59}).

Skipping pair p_{47} and p_{59} because gcd of their leading monoms is zero.

3418. Creating S-polynomial from the pair (p_{47}, p_{60}).

Skipping pair p_{47} and p_{60} because gcd of their leading monoms is zero.

3419. Creating S-polynomial from the pair (p_{47}, p_{61}).

Skipping pair p_{47} and p_{61} because gcd of their leading monoms is zero.

3420. Creating S-polynomial from the pair (p_{47}, p_{62}).

Forming S-pol of p_{47} and p_{62}: Polynomial too big for output (text size is 3998 characters, number of terms is 23)

Reduced to zero.

3421. Creating S-polynomial from the pair (p_{47}, p_{63}).

Skipping pair p_{47} and p_{63} because gcd of their leading monoms is zero.

3422. Creating S-polynomial from the pair (p_{47}, p_{64}).

Skipping pair p_{47} and p_{64} because gcd of their leading monoms is zero.

3423. Creating S-polynomial from the pair (p_{47}, p_{65}).

Skipping pair p_{47} and p_{65} because gcd of their leading monoms is zero.

3424. Creating S-polynomial from the pair (p_{47}, p_{66}).

Skipping pair p_{47} and p_{66} because gcd of their leading monoms is zero.

3425. Creating S-polynomial from the pair (p_{47}, p_{67}).

Forming S-pol of p_{47} and p_{67}: Polynomial too big for output (text size is 4535 characters, number of terms is 24)

Reduced to zero.

3426. Creating S-polynomial from the pair (p_{47}, p_{68}).

Skipping pair p_{47} and p_{68} because gcd of their leading monoms is zero.

3427. Creating S-polynomial from the pair (p_{47}, p_{69}).

Skipping pair p_{47} and p_{69} because gcd of their leading monoms is zero.

3428. Creating S-polynomial from the pair (p_{47}, p_{70}).

Skipping pair p_{47} and p_{70} because gcd of their leading monoms is zero.

3429. Creating S-polynomial from the pair (p_{47}, p_{71}).

Skipping pair p_{47} and p_{71} because gcd of their leading monoms is zero.

3430. Creating S-polynomial from the pair (p_{47}, p_{72}).

Forming S-pol of p_{47} and p_{72}: Polynomial too big for output (text size is 3998 characters, number of terms is 23)

Reduced to zero.

3431. Creating S-polynomial from the pair (p_{47}, p_{73}).

Skipping pair p_{47} and p_{73} because gcd of their leading monoms is zero.

3432. Creating S-polynomial from the pair (p_{47}, p_{74}).

Skipping pair p_{47} and p_{74} because gcd of their leading monoms is zero.

3433. Creating S-polynomial from the pair (p_{47}, p_{75}).

Skipping pair p_{47} and p_{75} because gcd of their leading monoms is zero.

3434. Creating S-polynomial from the pair (p_{47}, p_{76}).

Skipping pair p_{47} and p_{76} because gcd of their leading monoms is zero.

3435. Creating S-polynomial from the pair (p_{47}, p_{77}).

Skipping pair p_{47} and p_{77} because gcd of their leading monoms is zero.

3436. Creating S-polynomial from the pair (p_{47}, p_{78}).

Skipping pair p_{47} and p_{78} because gcd of their leading monoms is zero.

3437. Creating S-polynomial from the pair (p_{47}, p_{79}).

Forming S-pol of p_{47} and p_{79}: Polynomial too big for output (text size is 3183 characters, number of terms is 19)

S-pol added.

3438. Creating S-polynomial from the pair (p_{47}, p_{80}).

Skipping pair p_{47} and p_{80} because gcd of their leading monoms is zero.

3439. Creating S-polynomial from the pair (p_{47}, p_{81}).

Forming S-pol of p_{47} and p_{81}: Polynomial too big for output (text size is 1169 characters, number of terms is 15)

Reduced to zero.

3440. Creating S-polynomial from the pair (p_{47}, p_{82}).

Forming S-pol of p_{47} and p_{82}:

$$p_{821} = (-2097152u_3^{30}u_1^{21} - 8388608u_3^{28}u_1^{23})x_8x_4^2+$$
$$(2097152u_5u_3^{29}u_1^{21} + 8388608u_5u_3^{27}u_1^{23})x_8x_4x_2+$$
$$(-1048576u_5u_3^{31}u_1^{20} - 4194304u_5u_3^{29}u_1^{22} + 16777216u_3^{28}u_1^{24})x_8x_4+$$
$$(2097152u_5^2u_3^{30}u_1^{21} - 8388608u_5^2u_3^{28}u_1^{23})x_8+$$
$$4194304u_3^{29}u_1^{22}x_6^2x_5+$$
$$(1048576u_5u_3^{31}u_1^{20} - 4194304u_5u_3^{29}u_1^{22})x_6x_5 - 2097152u_6u_5u_3^{30}u_1^{21}x_6+$$
$$(1048576u_5u_3^{30}u_1^{20} - 4194304u_5u_3^{28}u_1^{22})x_5x_4x_2+$$
$$524288u_5^2u_3^{31}u_1^{19}x_5x_2 - 1048576u_5^2u_3^{31}u_1^{20}x_5+$$
$$(-524288u_6u_5u_3^{31}u_1^{19} - 2097152u_6u_5u_3^{29}u_1^{21} - 2097152u_6u_3^{30}u_1^{21})x_4x_2+$$
$$(1048576u_6u_5u_3^{31}u_1^{20} + 4194304u_6u_3^{30}u_1^{22})x_4+$$
$$1048576u_6u_5^2u_3^{30}u_1^{20}x_2 - 2097152u_6u_5^2u_3^{30}u_1^{21}$$

Reduced to zero.

3441. Creating S-polynomial from the pair (p_{47}, p_{83}).

Forming S-pol of p_{47} and p_{83}: Polynomial too big for output (text size is 1787 characters, number of terms is 19)

Reduced to zero.

3442. Creating S-polynomial from the pair (p_{47}, p_{84}).

Forming S-pol of p_{47} and p_{84}: Polynomial too big for output (text size is 1155 characters, number of terms is 16)

Reduced to zero.

3443. Creating S-polynomial from the pair (p_{47}, p_{85}).

Forming S-pol of p_{47} and p_{85}: Polynomial too big for output (text size is 1025 characters, number of terms is 15)

Reduced to zero.

3444. Creating S-polynomial from the pair (p_{47}, p_{86}).

Forming S-pol of p_{47} and p_{86}: Polynomial too big for output (text size is 2447 characters, number of terms is 17)

S-pol added.

3445. Creating S-polynomial from the pair (p_{47}, p_{87}).

Forming S-pol of p_{47} and p_{87}: Polynomial too big for output (text size is 1049 characters, number of terms is 15)

Reduced to zero.

3446. Creating S-polynomial from the pair (p_{47}, p_{88}).

Skipping pair p_{47} and p_{88} because gcd of their leading monoms is zero.

3447. Creating S-polynomial from the pair (p_{47}, p_{89}).

Skipping pair p_{47} and p_{89} because gcd of their leading monoms is zero.

3448. Creating S-polynomial from the pair (p_{47}, p_{90}).

Skipping pair p_{47} and p_{90} because gcd of their leading monoms is zero.

3449. Creating S-polynomial from the pair (p_{47}, p_{91}).

Skipping pair p_{47} and p_{91} because gcd of their leading monoms is zero.

3450. Creating S-polynomial from the pair (p_{47}, p_{92}).

Skipping pair p_{47} and p_{92} because gcd of their leading monoms is zero.

3451. Creating S-polynomial from the pair (p_{47}, p_{93}).

Forming S-pol of p_{47} and p_{93}: Polynomial too big for output (text size is 3183 characters, number of terms is 19)

S-pol added.

3452. Creating S-polynomial from the pair (p_{47}, p_{94}).

Skipping pair p_{47} and p_{94} because gcd of their leading monoms is zero.

3453. Creating S-polynomial from the pair (p_{47}, p_{95}).

Forming S-pol of p_{47} and p_{95}:

$$p_{822} = (-137438953472u_5u_3^{40}u_1^{37} - 549755813888u_5u_3^{38}u_1^{39})x_8x_6^2+$$
$$(-68719476736u_5u_3^{41}u_1^{36} - 274877906944u_5u_3^{39}u_1^{38}-$$
$$274877906944u_3^{40}u_1^{38})x_8x_6x_4+$$
$$(-34359738368u_5^2u_3^{42}u_1^{35} + 137438953472u_5^2u_3^{40}u_1^{37})x_8x_6+$$
$$274877906944u_3^{39}u_1^{38}x_6^3x_5+$$
$$(137438953472u_6u_3^{40}u_1^{37} + 549755813888u_6u_3^{38}u_1^{39})x_6^3+$$
$$137438953472u_5u_3^{41}u_1^{36}x_6^2x_5 + 34359738368u_6u_5u_3^{42}u_1^{35}x_6^2+$$
$$137438953472u_5u_3^{40}u_1^{36}x_6x_5x_4x_2 + 34359738368u_5^2u_3^{41}u_1^{35}x_6x_5x_2+$$
$$17179869184u_5^2u_3^{43}u_1^{34}x_6x_5 - 137438953472u_6u_3^{40}u_1^{37}x_6x_4x_2+$$
$$(-17179869184u_6u_5u_3^{43}u_1^{34} - 68719476736u_6u_3^{42}u_1^{36})x_6x_4+$$
$$68719476736u_6u_5^2u_3^{40}u_1^{36}x_6x_2 + 34359738368u_6u_5^2u_3^{42}u_1^{35}x_6$$

Reduced to zero.

3454. Creating S-polynomial from the pair (p_{47}, p_{96}).

Forming S-pol of p_{47} and p_{96}: Polynomial too big for output (text size is 1275 characters, number of terms is 17)

S-pol added.

3455. Creating S-polynomial from the pair (p_{47}, p_{97}).

Forming S-pol of p_{47} and p_{97}: Polynomial too big for output (text size is 1614 characters, number of terms is 17)

S-pol added.

3456. Creating S-polynomial from the pair (p_{47}, p_{98}).

Forming S-pol of p_{47} and p_{98}: Polynomial too big for output (text size is 7155 characters, number of terms is 39)

Reduced to zero.

3457. Creating S-polynomial from the pair (p_{47}, p_{99}).

Forming S-pol of p_{47} and p_{99}: Polynomial too big for output (text size is 7154 characters, number of terms is 39)

Reduced to zero.

3458. Creating S-polynomial from the pair (p_{47}, p_{100}).

Forming S-pol of p_{47} and p_{100}: Polynomial too big for output (text size is 2874 characters, number of terms is 23)

Reduced to zero.

3459. Creating S-polynomial from the pair (p_{47}, p_{101}).

Forming S-pol of p_{47} and p_{101}: Polynomial too big for output (text size is 1591 characters, number of terms is 17)

Reduced to zero.

3460. Creating S-polynomial from the pair (p_{47}, p_{102}).

Forming S-pol of p_{47} and p_{102}: Polynomial too big for output (text size is 2129 characters, number of terms is 19)

S-pol added.

3461. Creating S-polynomial from the pair (p_{47}, p_{103}).

Skipping pair p_{47} and p_{103} because gcd of their leading monoms is zero.

3462. Creating S-polynomial from the pair (p_{47}, p_{104}).

Forming S-pol of p_{47} and p_{104}: Polynomial too big for output (text size is 2874 characters, number of terms is 23)

Reduced to zero.

3463. Creating S-polynomial from the pair (p_{47}, p_{105}).

Forming S-pol of p_{47} and p_{105}: Polynomial too big for output (text size is 1591 characters, number of terms is 17)

Reduced to zero.

3464. Creating S-polynomial from the pair (p_{47}, p_{106}).

Forming S-pol of p_{47} and p_{106}: Polynomial too big for output (text size is 2129 characters, number of terms is 19)

S-pol added.

3465. Creating S-polynomial from the pair (p_{48}, p_{49}).

Forming S-pol of p_{48} and p_{49}:

$$p_{823} = 65536u_3^{17}u_1^{16}x_8x_6x_4+$$
$$(8192u_5u_3^{20}u_1^{13} + 32768u_5u_3^{18}u_1^{15} + 131072u_5u_3^{16}u_1^{17})x_8x_6-$$
$$65536u_3^{17}u_1^{16}x_6^2x_5+$$
$$(-8192u_6u_3^{20}u_1^{13} - 32768u_6u_3^{18}u_1^{15} - 131072u_6u_3^{16}u_1^{17})x_6^2-$$
$$32768u_5u_3^{17}u_1^{15}x_6x_5x_2+$$
$$(-4096u_5u_3^{21}u_1^{12} - 16384u_5u_3^{19}u_1^{14})x_6x_5 + 32768u_6u_3^{17}u_1^{15}x_6x_4x_2+$$
$$(4096u_6u_3^{21}u_1^{12} + 16384u_6u_3^{19}u_1^{14})x_6x_4$$

Reduced to zero.

3466. Creating S-polynomial from the pair (p_{48}, p_{50}).

Forming S-pol of p_{48} and p_{50}:

$$p_{824} = (1024u_3^{17}u_1^{10} + 4096u_3^{15}u_1^{12})x_8^2x_4+$$
$$(2048u_5u_3^{16}u_1^{11} + 8192u_5u_3^{14}u_1^{13})x_8^2+$$
$$(-1024u_3^{17}u_1^{10} - 4096u_3^{15}u_1^{12})x_8x_6x_5+$$
$$(-2048u_6u_3^{16}u_1^{11} - 8192u_6u_3^{14}u_1^{13})x_8x_6+$$
$$(-512u_5u_3^{17}u_1^{9} - 2048u_5u_3^{15}u_1^{11})x_8x_5x_2+$$
$$(256u_6u_3^{19}u_1^{8} + 1024u_6u_3^{17}u_1^{10})x_8x_4+$$
$$(-256u_6u_5u_3^{18}u_1^{8} - 1024u_6u_5u_3^{16}u_1^{10})x_8x_2+$$
$$(512u_6u_3^{17}u_1^{9} + 2048u_6u_3^{15}u_1^{11})x_6x_5x_2+$$
$$(-256u_6u_3^{19}u_1^{8} - 1024u_6u_3^{17}u_1^{10})x_6x_5+$$
$$(256u_6^2u_3^{18}u_1^{8} + 1024u_6^2u_3^{16}u_1^{10})x_6x_2$$

Reduced to zero.

3467. Creating S-polynomial from the pair (p_{48}, p_{51}).

Forming S-pol of p_{48} and p_{51}:

$$p_{825} = -8192u_3^{13}u_1^{13}x_8x_6x_4+$$
$$(-4096u_5u_3^{14}u_1^{12} - 16384u_5u_3^{12}u_1^{14})x_8x_6 + 8192u_3^{13}u_1^{13}x_6^2x_5+$$
$$(4096u_6u_3^{14}u_1^{12} + 16384u_6u_3^{12}u_1^{14})x_6^2 + 4096u_5u_3^{13}u_1^{12}x_6x_5x_2+$$
$$2048u_5u_3^{15}u_1^{11}x_6x_5 - 4096u_6u_3^{13}u_1^{12}x_6x_4x_2-$$
$$2048u_6u_3^{15}u_1^{11}x_6x_4$$

Reduced to zero.

3468. Creating S-polynomial from the pair (p_{48}, p_{52}).

Forming S-pol of p_{48} and p_{52}: Polynomial too big for output (text size is 1144 characters, number of terms is 16)

Reduced to zero.

3469. Creating S-polynomial from the pair (p_{48}, p_{53}).

Forming S-pol of p_{48} and p_{53}:

$$p_{826} = -512u_3^{11}u_1^{9}x_8^2x_4 - 1024u_5u_3^{10}u_1^{10}x_8^2 + 512u_3^{11}u_1^{9}x_8x_6x_5+$$
$$1024u_6u_3^{10}u_1^{10}x_8x_6 + 256u_5u_3^{11}u_1^{8}x_8x_5x_2 - 128u_6u_3^{13}u_1^{7}x_8x_4+$$
$$128u_6u_5u_3^{12}u_1^{7}x_8x_2 - 256u_6u_3^{11}u_1^{8}x_6x_5x_2+$$
$$128u_6u_3^{13}u_1^{7}x_6x_5 - 128u_6^2u_3^{12}u_1^{7}x_6x_2$$

Reduced to zero.

3470. Creating S-polynomial from the pair (p_{48}, p_{54}).
Skipping pair p_{48} and p_{54} because gcd of their leading monoms is zero.

3471. Creating S-polynomial from the pair (p_{48}, p_{55}).
Skipping pair p_{48} and p_{55} because gcd of their leading monoms is zero.

3472. Creating S-polynomial from the pair (p_{48}, p_{56}).
Skipping pair p_{48} and p_{56} because gcd of their leading monoms is zero.

3473. Creating S-polynomial from the pair (p_{48}, p_{57}).
Skipping pair p_{48} and p_{57} because gcd of their leading monoms is zero.

3474. Creating S-polynomial from the pair (p_{48}, p_{58}).
Skipping pair p_{48} and p_{58} because gcd of their leading monoms is zero.

3475. Creating S-polynomial from the pair (p_{48}, p_{59}).
Skipping pair p_{48} and p_{59} because gcd of their leading monoms is zero.

3476. Creating S-polynomial from the pair (p_{48}, p_{60}).
Skipping pair p_{48} and p_{60} because gcd of their leading monoms is zero.

3477. Creating S-polynomial from the pair (p_{48}, p_{61}).
Skipping pair p_{48} and p_{61} because gcd of their leading monoms is zero.

3478. Creating S-polynomial from the pair (p_{48}, p_{62}).
Skipping pair p_{48} and p_{62} because gcd of their leading monoms is zero.

3479. Creating S-polynomial from the pair (p_{48}, p_{63}).
Skipping pair p_{48} and p_{63} because gcd of their leading monoms is zero.

3480. Creating S-polynomial from the pair (p_{48}, p_{64}).
Skipping pair p_{48} and p_{64} because gcd of their leading monoms is zero.

3481. Creating S-polynomial from the pair (p_{48}, p_{65}).
Skipping pair p_{48} and p_{65} because gcd of their leading monoms is zero.

3482. Creating S-polynomial from the pair (p_{48}, p_{66}).
Skipping pair p_{48} and p_{66} because gcd of their leading monoms is zero.

3483. Creating S-polynomial from the pair (p_{48}, p_{67}).
Skipping pair p_{48} and p_{67} because gcd of their leading monoms is zero.

3484. Creating S-polynomial from the pair (p_{48}, p_{68}).
Skipping pair p_{48} and p_{68} because gcd of their leading monoms is zero.

3485. Creating S-polynomial from the pair (p_{48}, p_{69}).
Skipping pair p_{48} and p_{69} because gcd of their leading monoms is zero.

3486. Creating S-polynomial from the pair (p_{48}, p_{70}).
Skipping pair p_{48} and p_{70} because gcd of their leading monoms is zero.

3487. Creating S-polynomial from the pair (p_{48}, p_{71}).
Skipping pair p_{48} and p_{71} because gcd of their leading monoms is zero.

3488. Creating S-polynomial from the pair (p_{48}, p_{72}).
Skipping pair p_{48} and p_{72} because gcd of their leading monoms is zero.

3489. Creating S-polynomial from the pair (p_{48}, p_{73}).
Skipping pair p_{48} and p_{73} because gcd of their leading monoms is zero.

3490. Creating S-polynomial from the pair (p_{48}, p_{74}).
Skipping pair p_{48} and p_{74} because gcd of their leading monoms is zero.

3491. Creating S-polynomial from the pair (p_{48}, p_{75}).
Skipping pair p_{48} and p_{75} because gcd of their leading monoms is zero.

3492. Creating S-polynomial from the pair (p_{48}, p_{76}).
Skipping pair p_{48} and p_{76} because gcd of their leading monoms is zero.

3493. Creating S-polynomial from the pair (p_{48}, p_{77}).
Skipping pair p_{48} and p_{77} because gcd of their leading monoms is zero.

3494. Creating S-polynomial from the pair (p_{48}, p_{78}).
Skipping pair p_{48} and p_{78} because gcd of their leading monoms is zero.

3495. Creating S-polynomial from the pair (p_{48}, p_{79}).
Skipping pair p_{48} and p_{79} because gcd of their leading monoms is zero.

3496. Creating S-polynomial from the pair (p_{48}, p_{80}).
Skipping pair p_{48} and p_{80} because gcd of their leading monoms is zero.

3497. Creating S-polynomial from the pair (p_{48}, p_{81}).
Forming S-pol of p_{48} and p_{81}:

$$p_{827} = 32768u_5u_3^{17}u_1^{15}x_8x_4 + 65536u_5^2u_3^{16}u_1^{16}x_8 - 65536u_6u_3^{16}u_1^{16}x_6^2 -$$
$$32768u_5u_3^{17}u_1^{15}x_6x_5 + 32768u_6u_3^{17}u_1^{15}x_6x_4 -$$
$$16384u_6u_5u_3^{18}u_1^{14}x_6 - 16384u_5^2u_3^{17}u_1^{14}x_5x_2 +$$
$$8192u_6u_5u_3^{19}u_1^{13}x_4 - 8192u_6u_5^2u_3^{18}u_1^{13}x_2$$

Reduced to zero.

3498. Creating S-polynomial from the pair (p_{48}, p_{82}).
Forming S-pol of p_{48} and p_{82}:

$$p_{828} = -512u_5u_3^{12}u_1^9x_8x_2 + 256u_6u_3^{14}u_1^8x_6 + 256u_5u_3^{13}u_1^8x_5x_2 -$$
$$128u_6u_3^{15}u_1^7x_4 + 128u_6u_5u_3^{14}u_1^7x_2$$

Reduced to zero.

3499. Creating S-polynomial from the pair (p_{48}, p_{83}).

Forming S-pol of p_{48} and p_{83}:

$$p_{829} = -67108864u_5u_3^{25}u_1^{25}x_8x_6x_4+$$
$$(-16777216u_5^2u_3^{26}u_1^{24} - 67108864u_5^2u_3^{24}u_1^{26})x_8x_6+$$
$$67108864u_6u_3^{24}u_1^{26}x_6^3 + 33554432u_5u_3^{25}u_1^{25}x_6^2x_5+$$
$$33554432u_6u_5u_3^{26}u_1^{24}x_6^2 + 16777216u_5u_3^{26}u_1^{24}x_6x_5x_4+$$
$$16777216u_5^2u_3^{25}u_1^{24}x_6x_5x_2 + 8388608u_5^2u_3^{27}u_1^{23}x_6x_5+$$
$$(-16777216u_6u_5u_3^{27}u_1^{23} - 33554432u_6u_3^{26}u_1^{25})x_6x_4+$$
$$8388608u_6u_5^2u_3^{26}u_1^{23}x_6x_2 + 16777216u_6u_5^2u_3^{26}u_1^{24}x_6$$

Reduced to zero.

3500. Creating S-polynomial from the pair (p_{48}, p_{84}).

Forming S-pol of p_{48} and p_{84}:

$$p_{830} = -16384u_3^{13}u_1^{14}x_8x_6x_4+$$
$$(-8192u_5u_3^{14}u_1^{13} - 32768u_5u_3^{12}u_1^{15})x_8x_6 + 16384u_3^{13}u_1^{14}x_6^2x_5+$$
$$(8192u_6u_3^{14}u_1^{13} + 32768u_6u_3^{12}u_1^{15})x_6^2 + 8192u_5u_3^{13}u_1^{13}x_6x_5x_2+$$
$$4096u_5u_3^{15}u_1^{12}x_6x_5 - 8192u_6u_3^{13}u_1^{13}x_6x_4x_2-$$
$$4096u_6u_3^{15}u_1^{12}x_6x_4$$

Reduced to zero.

3501. Creating S-polynomial from the pair (p_{48}, p_{85}).

Forming S-pol of p_{48} and p_{85}:

$$p_{831} = 0$$

Reduced to zero.

3502. Creating S-polynomial from the pair (p_{48}, p_{86}).

Forming S-pol of p_{48} and p_{86}:

$$p_{832} = (32768u_3^{21}u_1^{15} - 65536u_3^{19}u_1^{16})x_8x_4^2+$$
$$(65536u_5u_3^{20}u_1^{16} - 131072u_5u_3^{18}u_1^{17})x_8x_4 - 65536u_3^{20}u_1^{16}x_6^2x_5+$$
$$(262144u_3^{17}u_1^{18} - 131072u_3^{17}u_1^{17})x_6x_5x_4x_2+$$
$$(-131072u_3^{19}u_1^{17} + 65536u_3^{19}u_1^{16})x_6x_5x_4 - 32768u_5u_3^{20}u_1^{15}x_6x_5x_2+$$
$$65536u_5u_3^{20}u_1^{16}x_6x_5+$$
$$(32768u_6u_3^{20}u_1^{15} + 131072u_6u_3^{18}u_1^{17} - 65536u_6u_3^{18}u_1^{16})x_6x_4x_2+$$
$$(-16384u_6u_3^{22}u_1^{14} - 65536u_6u_3^{20}u_1^{16} + 32768u_6u_3^{20}u_1^{15})x_6x_4+$$
$$(-16384u_5u_3^{21}u_1^{14} + 32768u_5u_3^{19}u_1^{15})x_5x_4x_2+$$
$$(8192u_6u_3^{23}u_1^{13} - 16384u_6u_3^{21}u_1^{14})x_4^2+$$
$$(-8192u_6u_5u_3^{22}u_1^{13} + 16384u_6u_5u_3^{20}u_1^{14})x_4x_2$$

S-pol added.

3503. Creating S-polynomial from the pair (p_{48}, p_{87}).

Forming S-pol of p_{48} and p_{87}:

$$p_{833} = -512u_3^{13}u_1^9x_8x_4 - 1024u_5u_3^{12}u_1^{10}x_8 + 512u_3^{13}u_1^9x_6x_5 -$$
$$512u_6u_3^{12}u_1^9x_6x_2 +$$
$$(256u_6u_3^{14}u_1^8 + 1024u_6u_3^{12}u_1^{10})x_6 + 256u_5u_3^{13}u_1^8x_5x_2 -$$
$$128u_6u_3^{15}u_1^7x_4 + 128u_6u_5u_3^{14}u_1^7x_2$$

Reduced to zero.

3504. Creating S-polynomial from the pair (p_{48}, p_{88}).

Skipping pair p_{48} and p_{88} because gcd of their leading monoms is zero.

3505. Creating S-polynomial from the pair (p_{48}, p_{89}).

Skipping pair p_{48} and p_{89} because gcd of their leading monoms is zero.

3506. Creating S-polynomial from the pair (p_{48}, p_{90}).

Skipping pair p_{48} and p_{90} because gcd of their leading monoms is zero.

3507. Creating S-polynomial from the pair (p_{48}, p_{91}).

Skipping pair p_{48} and p_{91} because gcd of their leading monoms is zero.

3508. Creating S-polynomial from the pair (p_{48}, p_{92}).

Skipping pair p_{48} and p_{92} because gcd of their leading monoms is zero.

3509. Creating S-polynomial from the pair (p_{48}, p_{93}).

Skipping pair p_{48} and p_{93} because gcd of their leading monoms is zero.

3510. Creating S-polynomial from the pair (p_{48}, p_{94}).

Skipping pair p_{48} and p_{94} because gcd of their leading monoms is zero.

3511. Creating S-polynomial from the pair (p_{48}, p_{95}).

Forming S-pol of p_{48} and p_{95}:

$$p_{834} = 33554432u_5u_3^{23}u_1^{25}x_8x_6^2 - 33554432u_3^{23}u_1^{25}x_8x_6x_4^2 +$$
$$67108864u_3^{23}u_1^{26}x_8x_6x_4 +$$
$$(8388608u_5^2u_3^{25}u_1^{23} - 33554432u_5^2u_3^{23}u_1^{25})x_8x_6 -$$
$$33554432u_6u_3^{23}u_1^{25}x_6^3 - 16777216u_5u_3^{24}u_1^{24}x_6^2x_5 +$$
$$16777216u_6u_3^{24}u_1^{24}x_6^2x_4 - 8388608u_6u_5u_3^{25}u_1^{23}x_6^2 -$$
$$4194304u_5^2u_3^{26}u_1^{22}x_6x_5 - 8388608u_6u_3^{25}u_1^{23}x_6x_4^2 +$$
$$(4194304u_6u_5u_3^{26}u_1^{22} + 16777216u_6u_3^{25}u_1^{24})x_6x_4 -$$
$$8388608u_6u_5^2u_3^{25}u_1^{23}x_6$$

Reduced to zero.

3512. Creating S-polynomial from the pair (p_{48}, p_{96}).

Forming S-pol of p_{48} and p_{96}:

$$p_{835} = 4096u_5u_3^{10}u_1^{12}x_8x_6 + 1024u_3^{12}u_1^{10}x_8x_4^2 + 2048u_5u_3^{11}u_1^{11}x_8x_4 -$$
$$2048u_3^{11}u_1^{11}x_6^2x_5 - 4096u_6u_3^{10}u_1^{12}x_6^2 -$$
$$1024u_5u_3^{11}u_1^{10}x_6x_5x_2 + 1024u_6u_3^{11}u_1^{10}x_6x_4x_2 -$$
$$512u_6u_3^{13}u_1^{9}x_6x_4 - 512u_5u_3^{12}u_1^{9}x_5x_4x_2 + 256u_6u_3^{14}u_1^{8}x_4^2 -$$
$$256u_6u_5u_3^{13}u_1^{8}x_4x_2$$

Reduced to zero.

3513. Creating S-polynomial from the pair (p_{48}, p_{97}).

Forming S-pol of p_{48} and p_{97}:

$$p_{836} = 16384u_3^{20}u_1^{14}x_8x_4^2 + 32768u_5u_3^{19}u_1^{15}x_8x_4 - 32768u_3^{19}u_1^{15}x_6^2x_5 +$$
$$(131072u_3^{16}u_1^{17} - 65536u_3^{16}u_1^{16})x_6x_5x_4x_2 - 65536u_3^{18}u_1^{16}x_6x_5x_4 -$$
$$16384u_5u_3^{19}u_1^{14}x_6x_5x_2 + 32768u_5u_3^{19}u_1^{15}x_6x_5 +$$
$$(16384u_6u_3^{19}u_1^{14} + 65536u_6u_3^{17}u_1^{16})x_6x_4x_2 +$$
$$(-8192u_6u_3^{21}u_1^{13} - 32768u_6u_3^{19}u_1^{15} - 65536u_6u_3^{17}u_1^{16})x_6x_4 -$$
$$8192u_5u_3^{20}u_1^{13}x_5x_4x_2 + 4096u_6u_3^{22}u_1^{12}x_4^2 -$$
$$4096u_6u_5u_3^{21}u_1^{12}x_4x_2$$

S-pol added.

3514. Creating S-polynomial from the pair (p_{48}, p_{98}).

Forming S-pol of p_{48} and p_{98}: Polynomial too big for output (text size is 3036 characters, number of terms is 33)

Reduced to zero.

3515. Creating S-polynomial from the pair (p_{48}, p_{99}).

Forming S-pol of p_{48} and p_{99}: Polynomial too big for output (text size is 3039 characters, number of terms is 33)

Reduced to zero.

3516. Creating S-polynomial from the pair (p_{48}, p_{100}).

Skipping pair p_{48} and p_{100} because gcd of their leading monoms is zero.

3517. Creating S-polynomial from the pair (p_{48}, p_{101}).

Skipping pair p_{48} and p_{101} because gcd of their leading monoms is zero.

3518. Creating S-polynomial from the pair (p_{48}, p_{102}).

Skipping pair p_{48} and p_{102} because gcd of their leading monoms is zero.

3519. Creating S-polynomial from the pair (p_{48}, p_{103}).

Skipping pair p_{48} and p_{103} because gcd of their leading monoms is zero.

3520. Creating S-polynomial from the pair (p_{48}, p_{104}).

Skipping pair p_{48} and p_{104} because gcd of their leading monoms is zero.

3521. Creating S-polynomial from the pair (p_{48}, p_{105}).

Skipping pair p_{48} and p_{105} because gcd of their leading monoms is zero.

3522. Creating S-polynomial from the pair (p_{48}, p_{106}).

Skipping pair p_{48} and p_{106} because gcd of their leading monoms is zero.

3523. Creating S-polynomial from the pair (p_{49}, p_{50}).

Forming S-pol of p_{49} and p_{50}:

$$p_{837} = (-2048u_3^{23}u_1^{11} - 8192u_3^{21}u_1^{13})x_8^2x_4+$$
$$(1024u_5u_3^{24}u_1^{10} + 4096u_5u_3^{22}u_1^{12})x_8^2+$$
$$(2048u_3^{23}u_1^{11} + 8192u_3^{21}u_1^{13})x_8x_6x_5+$$
$$(-1024u_6u_3^{24}u_1^{10} - 4096u_6u_3^{22}u_1^{12})x_8x_6+$$
$$(1024u_5u_3^{23}u_1^{10} + 4096u_5u_3^{21}u_1^{12})x_8x_5x_2+$$
$$(-512u_5u_3^{25}u_1^{9} - 4096u_5u_3^{23}u_1^{11} - 8192u_5u_3^{21}u_1^{13})x_8x_5+$$
$$(4096u_6u_3^{21}u_1^{12} + 16384u_6u_3^{19}u_1^{14})x_8x_4x_2+$$
$$(512u_6u_5u_3^{24}u_1^{9} + 4096u_6u_5u_3^{22}u_1^{11} + 8192u_6u_5u_3^{20}u_1^{13})x_8x_2+$$
$$(-1024u_6u_3^{23}u_1^{10} - 8192u_6u_3^{21}u_1^{12} - 16384u_6u_3^{19}u_1^{14})x_6x_5x_2+$$
$$(512u_6u_3^{25}u_1^{9} + 4096u_6u_3^{23}u_1^{11} + 8192u_6u_3^{21}u_1^{13})x_6x_5+$$
$$(-512u_6^2u_3^{24}u_1^{9} - 4096u_6^2u_3^{22}u_1^{11} - 8192u_6^2u_3^{20}u_1^{13})x_6x_2$$

Reduced to zero.

3524. Creating S-polynomial from the pair (p_{49}, p_{51}).

Forming S-pol of p_{49} and p_{51}:

$$p_{838} = 16384u_3^{19}u_1^{14}x_8x_6x_4 + 32768u_5u_3^{18}u_1^{15}x_8x_6-$$
$$16384u_3^{19}u_1^{14}x_6^2x_5 - 32768u_6u_3^{18}u_1^{15}x_6^2-$$
$$8192u_5u_3^{19}u_1^{13}x_6x_5x_2 + 8192u_6u_3^{19}u_1^{13}x_6x_4x_2$$

Reduced to zero.

3525. Creating S-polynomial from the pair (p_{49}, p_{52}).

Forming S-pol of p_{49} and p_{52}: Polynomial too big for output (text size is 1585 characters, number of terms is 16)

Reduced to zero.

3526. Creating S-polynomial from the pair (p_{49}, p_{53}).

Forming S-pol of p_{49} and p_{53}:

$$p_{839} = 1024u_3^{17}u_1^{10}x_8^2x_4 - 512u_5u_3^{18}u_1^9x_8^2 - 1024u_3^{17}u_1^{10}x_8x_6x_5+$$
$$512u_6u_3^{18}u_1^9x_8x_6 - 512u_5u_3^{17}u_1^9x_8x_5x_2+$$
$$(256u_5u_3^{19}u_1^8 + 1024u_5u_3^{17}u_1^{10})x_8x_5 - 2048u_6u_3^{15}u_1^{11}x_8x_4x_2+$$
$$(-256u_6u_5u_3^{18}u_1^8 - 1024u_6u_5u_3^{16}u_1^{10})x_8x_2+$$
$$(512u_6u_3^{17}u_1^9 + 2048u_6u_3^{15}u_1^{11})x_6x_5x_2+$$
$$(-256u_6u_3^{19}u_1^8 - 1024u_6u_3^{17}u_1^{10})x_6x_5+$$
$$(256u_6^2u_3^{18}u_1^8 + 1024u_6^2u_3^{16}u_1^{10})x_6x_2$$

Reduced to zero.

3527. Creating S-polynomial from the pair (p_{49}, p_{54}).

Skipping pair p_{49} and p_{54} because gcd of their leading monoms is zero.

3528. Creating S-polynomial from the pair (p_{49}, p_{55}).

Skipping pair p_{49} and p_{55} because gcd of their leading monoms is zero.

3529. Creating S-polynomial from the pair (p_{49}, p_{56}).

Skipping pair p_{49} and p_{56} because gcd of their leading monoms is zero.

3530. Creating S-polynomial from the pair (p_{49}, p_{57}).

Skipping pair p_{49} and p_{57} because gcd of their leading monoms is zero.

3531. Creating S-polynomial from the pair (p_{49}, p_{58}).

Skipping pair p_{49} and p_{58} because gcd of their leading monoms is zero.

3532. Creating S-polynomial from the pair (p_{49}, p_{59}).

Skipping pair p_{49} and p_{59} because gcd of their leading monoms is zero.

3533. Creating S-polynomial from the pair (p_{49}, p_{60}).

Skipping pair p_{49} and p_{60} because gcd of their leading monoms is zero.

3534. Creating S-polynomial from the pair (p_{49}, p_{61}).

Skipping pair p_{49} and p_{61} because gcd of their leading monoms is zero.

3535. Creating S-polynomial from the pair (p_{49}, p_{62}).

Skipping pair p_{49} and p_{62} because gcd of their leading monoms is zero.

3536. Creating S-polynomial from the pair (p_{49}, p_{63}).

Skipping pair p_{49} and p_{63} because gcd of their leading monoms is zero.

3537. Creating S-polynomial from the pair (p_{49}, p_{64}).

Skipping pair p_{49} and p_{64} because gcd of their leading monoms is zero.

3538. Creating S-polynomial from the pair (p_{49}, p_{65}).

Skipping pair p_{49} and p_{65} because gcd of their leading monoms is zero.

3539. Creating S-polynomial from the pair (p_{49}, p_{66}).
Skipping pair p_{49} and p_{66} because gcd of their leading monoms is zero.

3540. Creating S-polynomial from the pair (p_{49}, p_{67}).
Skipping pair p_{49} and p_{67} because gcd of their leading monoms is zero.

3541. Creating S-polynomial from the pair (p_{49}, p_{68}).
Skipping pair p_{49} and p_{68} because gcd of their leading monoms is zero.

3542. Creating S-polynomial from the pair (p_{49}, p_{69}).
Skipping pair p_{49} and p_{69} because gcd of their leading monoms is zero.

3543. Creating S-polynomial from the pair (p_{49}, p_{70}).
Skipping pair p_{49} and p_{70} because gcd of their leading monoms is zero.

3544. Creating S-polynomial from the pair (p_{49}, p_{71}).
Skipping pair p_{49} and p_{71} because gcd of their leading monoms is zero.

3545. Creating S-polynomial from the pair (p_{49}, p_{72}).
Skipping pair p_{49} and p_{72} because gcd of their leading monoms is zero.

3546. Creating S-polynomial from the pair (p_{49}, p_{73}).
Skipping pair p_{49} and p_{73} because gcd of their leading monoms is zero.

3547. Creating S-polynomial from the pair (p_{49}, p_{74}).
Skipping pair p_{49} and p_{74} because gcd of their leading monoms is zero.

3548. Creating S-polynomial from the pair (p_{49}, p_{75}).
Skipping pair p_{49} and p_{75} because gcd of their leading monoms is zero.

3549. Creating S-polynomial from the pair (p_{49}, p_{76}).
Skipping pair p_{49} and p_{76} because gcd of their leading monoms is zero.

3550. Creating S-polynomial from the pair (p_{49}, p_{77}).
Skipping pair p_{49} and p_{77} because gcd of their leading monoms is zero.

3551. Creating S-polynomial from the pair (p_{49}, p_{78}).
Skipping pair p_{49} and p_{78} because gcd of their leading monoms is zero.

3552. Creating S-polynomial from the pair (p_{49}, p_{79}).
Skipping pair p_{49} and p_{79} because gcd of their leading monoms is zero.

3553. Creating S-polynomial from the pair (p_{49}, p_{80}).
Skipping pair p_{49} and p_{80} because gcd of their leading monoms is zero.

3554. Creating S-polynomial from the pair (p_{49}, p_{81}).

Forming S-pol of p_{49} and p_{81}:

$$p_{840} = -65536u_5u_3^{23}u_1^{16}x_8x_4 + 32768u_5^2u_3^{24}u_1^{15}x_8+$$
$$(131072u_6u_3^{22}u_1^{17} + 524288u_6u_3^{20}u_1^{19})x_6^2 + 65536u_5u_3^{23}u_1^{16}x_6x_5+$$
$$(-65536u_6u_3^{23}u_1^{16} - 262144u_6u_3^{21}u_1^{18})x_6x_4 - 524288u_6u_5u_3^{20}u_1^{19}x_6+$$
$$32768u_5^2u_3^{23}u_1^{15}x_5x_2+$$
$$(-16384u_5^2u_3^{25}u_1^{14} - 65536u_5^2u_3^{23}u_1^{16})x_5+$$
$$131072u_6u_5u_3^{21}u_1^{17}x_4x_2+$$
$$(16384u_6u_5^2u_3^{24}u_1^{14} + 65536u_6u_5^2u_3^{22}u_1^{16})x_2$$

Reduced to zero.

3555. Creating S-polynomial from the pair (p_{49}, p_{82}).

Forming S-pol of p_{49} and p_{82}:

$$p_{841} = -4096u_3^{17}u_1^{12}x_8x_4 + (1024u_5u_3^{18}u_1^{10} + 4096u_5u_3^{16}u_1^{12})x_8x_2+$$
$$(-512u_5u_3^{20}u_1^{9} - 2048u_5u_3^{18}u_1^{11} - 8192u_5u_3^{16}u_1^{13})x_8+$$
$$4096u_3^{17}u_1^{12}x_6x_5 + 8192u_6u_3^{16}u_1^{13}x_6 - 512u_5u_3^{19}u_1^{9}x_5x_2+$$
$$(256u_5u_3^{21}u_1^{8} + 1024u_5u_3^{19}u_1^{10})x_5 - 2048u_6u_3^{17}u_1^{11}x_4x_2+$$
$$(-256u_6u_5u_3^{20}u_1^{8} - 1024u_6u_5u_3^{18}u_1^{10})x_2$$

Reduced to zero.

3556. Creating S-polynomial from the pair (p_{49}, p_{83}).

Forming S-pol of p_{49} and p_{83}:

$$p_{842} = (134217728u_5u_3^{31}u_1^{26} + 268435456u_5u_3^{29}u_1^{28})x_8x_6x_4+$$
$$134217728u_5^2u_3^{30}u_1^{27}x_8x_6+$$
$$(-134217728u_6u_3^{30}u_1^{27} - 536870912u_6u_3^{28}u_1^{29})x_6^3-$$
$$67108864u_5u_3^{31}u_1^{26}x_6^2x_5+$$
$$(-33554432u_6u_5u_3^{32}u_1^{25} - 134217728u_6u_5u_3^{30}u_1^{27}+$$
$$536870912u_6u_5u_3^{28}u_1^{29})x_6^2+$$
$$(-33554432u_5u_3^{32}u_1^{25} - 134217728u_5u_3^{30}u_1^{27})x_6x_5x_4-$$
$$33554432u_5^2u_3^{31}u_1^{25}x_6x_5x_2 - 134217728u_6u_5u_3^{29}u_1^{27}x_6x_4x_2+$$
$$(16777216u_6u_5u_3^{33}u_1^{24} + 67108864u_6u_5u_3^{31}u_1^{26} + 67108864u_6u_3^{32}u_1^{26}+$$
$$268435456u_6u_3^{30}u_1^{28})x_6x_4+$$
$$(-16777216u_6u_5^2u_3^{32}u_1^{24} - 67108864u_6u_5^2u_3^{30}u_1^{26})x_6x_2+$$
$$(-33554432u_6u_5^2u_3^{32}u_1^{25} - 134217728u_6u_5^2u_3^{30}u_1^{27})x_6$$

Reduced to zero.

3557. Creating S-polynomial from the pair (p_{49}, p_{84}).

Forming S-pol of p_{49} and p_{84}:

$$p_{843} = 32768u_3^{19}u_1^{15}x_8x_6x_4 + 65536u_5u_3^{18}u_1^{16}x_8x_6-$$
$$32768u_3^{19}u_1^{15}x_6^2x_5 - 65536u_6u_3^{18}u_1^{16}x_6^2-$$
$$16384u_5u_3^{19}u_1^{14}x_6x_5x_2 + 16384u_6u_3^{19}u_1^{14}x_6x_4x_2$$

Reduced to zero.

3558. Creating S-polynomial from the pair (p_{49}, p_{85}).

Forming S-pol of p_{49} and p_{85}:

$$p_{844} = -131072u_3^{17}u_1^{17}x_8x_6x_4+$$
$$(-16384u_5u_3^{20}u_1^{14} - 65536u_5u_3^{18}u_1^{16} - 262144u_5u_3^{16}u_1^{18})x_8x_6+$$
$$131072u_3^{17}u_1^{17}x_6^2x_5+$$
$$(16384u_6u_3^{20}u_1^{14} + 65536u_6u_3^{18}u_1^{16} + 262144u_6u_3^{16}u_1^{18})x_6^2+$$
$$65536u_5u_3^{17}u_1^{16}x_6x_5x_2+$$
$$(8192u_5u_3^{21}u_1^{13} + 32768u_5u_3^{19}u_1^{15})x_6x_5 - 65536u_6u_3^{17}u_1^{16}x_6x_4x_2+$$
$$(-8192u_6u_3^{21}u_1^{13} - 32768u_6u_3^{19}u_1^{15})x_6x_4$$

Reduced to zero.

3559. Creating S-polynomial from the pair (p_{49}, p_{86}).

Forming S-pol of p_{49} and p_{86}: Polynomial too big for output (text size is 1286 characters, number of terms is 13)

S-pol added.

3560. Creating S-polynomial from the pair (p_{49}, p_{87}).

Forming S-pol of p_{49} and p_{87}:

$$p_{845} = 1024u_3^{19}u_1^{10}x_8x_4 - 512u_5u_3^{20}u_1^{9}x_8 - 1024u_3^{19}u_1^{10}x_6x_5+$$
$$(1024u_6u_3^{18}u_1^{10} + 4096u_6u_3^{16}u_1^{12})x_6x_2 - 2048u_6u_3^{18}u_1^{11}x_6-$$
$$512u_5u_3^{19}u_1^{9}x_5x_2+$$
$$(256u_5u_3^{21}u_1^{8} + 1024u_5u_3^{19}u_1^{10})x_5 - 2048u_6u_3^{17}u_1^{11}x_4x_2+$$
$$(-256u_6u_5u_3^{20}u_1^{8} - 1024u_6u_5u_3^{18}u_1^{10})x_2$$

Reduced to zero.

3561. Creating S-polynomial from the pair (p_{49}, p_{88}).

Skipping pair p_{49} and p_{88} because gcd of their leading monoms is zero.

3562. Creating S-polynomial from the pair (p_{49}, p_{89}).

Skipping pair p_{49} and p_{89} because gcd of their leading monoms is zero.

3563. Creating S-polynomial from the pair (p_{49}, p_{90}).

Skipping pair p_{49} and p_{90} because gcd of their leading monoms is zero.

3564. Creating S-polynomial from the pair (p_{49}, p_{91}).

Skipping pair p_{49} and p_{91} because gcd of their leading monoms is zero.

3565. Creating S-polynomial from the pair (p_{49}, p_{92}).

Skipping pair p_{49} and p_{92} because gcd of their leading monoms is zero.

3566. Creating S-polynomial from the pair (p_{49}, p_{93}).

Skipping pair p_{49} and p_{93} because gcd of their leading monoms is zero.

3567. Creating S-polynomial from the pair (p_{49}, p_{94}).

Skipping pair p_{49} and p_{94} because gcd of their leading monoms is zero.

3568. Creating S-polynomial from the pair (p_{49}, p_{95}).

Forming S-pol of p_{49} and p_{95}: Polynomial too big for output (text size is 1291 characters, number of terms is 15)

Reduced to zero.

3569. Creating S-polynomial from the pair (p_{49}, p_{96}).

Forming S-pol of p_{49} and p_{96}:

$$p_{846} = (-8192u_5u_3^{16}u_1^{13} - 32768u_5u_3^{14}u_1^{15})x_8x_6 - 2048u_3^{18}u_1^{11}x_8x_4^2+$$
$$1024u_5u_3^{19}u_1^{10}x_8x_4 + (4096u_3^{17}u_1^{12} + 16384u_3^{15}u_1^{14})x_6^2x_5+$$
$$(8192u_6u_3^{16}u_1^{13} + 32768u_6u_3^{14}u_1^{15})x_6^2 - 8192u_3^{16}u_1^{13}x_6x_5x_4+$$
$$(2048u_5u_3^{17}u_1^{11} + 8192u_5u_3^{15}u_1^{13})x_6x_5x_2+$$
$$(-2048u_6u_3^{17}u_1^{11} - 8192u_6u_3^{15}u_1^{13})x_6x_4x_2 - 16384u_6u_3^{15}u_1^{14}x_6x_4+$$
$$1024u_5u_3^{18}u_1^{10}x_5x_4x_2+$$
$$(-512u_5u_3^{20}u_1^{9} - 2048u_5u_3^{18}u_1^{11})x_5x_4 + 4096u_6u_3^{16}u_1^{12}x_4^2x_2+$$
$$(512u_6u_5u_3^{19}u_1^{9} + 2048u_6u_5u_3^{17}u_1^{11})x_4x_2$$

Reduced to zero.

3570. Creating S-polynomial from the pair (p_{49}, p_{97}).

Forming S-pol of p_{49} and p_{97}:

$$p_{847} = -32768u_3^{26}u_1^{15}x_8x_4^2 + 16384u_5u_3^{27}u_1^{14}x_8x_4+$$
$$(65536u_3^{25}u_1^{16} + 262144u_3^{23}u_1^{18})x_6^2x_5+$$
$$(-262144u_3^{22}u_1^{18} + 131072u_3^{22}u_1^{17} - 1048576u_3^{20}u_1^{20}+$$
$$524288u_3^{20}u_1^{19})x_6x_5x_4x_2 + 524288u_3^{22}u_1^{19}x_6x_5x_4+$$
$$(32768u_5u_3^{25}u_1^{15} + 131072u_5u_3^{23}u_1^{17})x_6x_5x_2+$$
$$(-65536u_5u_3^{25}u_1^{16} - 262144u_5u_3^{23}u_1^{18})x_6x_5+$$
$$(-32768u_6u_3^{25}u_1^{15} - 262144u_6u_3^{23}u_1^{17} - 524288u_6u_3^{21}u_1^{19})x_6x_4x_2+$$

$$(65536u_6u_3^{25}u_1^{16} + 131072u_6u_3^{23}u_1^{17} + 524288u_6u_3^{21}u_1^{19})x_6x_4+$$
$$16384u_5u_3^{26}u_1^{14}x_5x_4x_2+$$
$$(-8192u_5u_3^{28}u_1^{13} - 32768u_5u_3^{26}u_1^{15})x_5x_4 + 65536u_6u_3^{24}u_1^{16}x_4^2x_2+$$
$$(8192u_6u_5u_3^{27}u_1^{13} + 32768u_6u_5u_3^{25}u_1^{15})x_4x_2$$

S-pol added.

3571. Creating S-polynomial from the pair (p_{49}, p_{98}).

Forming S-pol of p_{49} and p_{98}: Polynomial too big for output (text size is 5220 characters, number of terms is 34)

Reduced to zero.

3572. Creating S-polynomial from the pair (p_{49}, p_{99}).

Forming S-pol of p_{49} and p_{99}: Polynomial too big for output (text size is 5216 characters, number of terms is 34)

Reduced to zero.

3573. Creating S-polynomial from the pair (p_{49}, p_{100}).

Skipping pair p_{49} and p_{100} because gcd of their leading monoms is zero.

3574. Creating S-polynomial from the pair (p_{49}, p_{101}).

Skipping pair p_{49} and p_{101} because gcd of their leading monoms is zero.

3575. Creating S-polynomial from the pair (p_{49}, p_{102}).

Skipping pair p_{49} and p_{102} because gcd of their leading monoms is zero.

3576. Creating S-polynomial from the pair (p_{49}, p_{103}).

Skipping pair p_{49} and p_{103} because gcd of their leading monoms is zero.

3577. Creating S-polynomial from the pair (p_{49}, p_{104}).

Skipping pair p_{49} and p_{104} because gcd of their leading monoms is zero.

3578. Creating S-polynomial from the pair (p_{49}, p_{105}).

Skipping pair p_{49} and p_{105} because gcd of their leading monoms is zero.

3579. Creating S-polynomial from the pair (p_{49}, p_{106}).

Skipping pair p_{49} and p_{106} because gcd of their leading monoms is zero.

3580. Creating S-polynomial from the pair (p_{50}, p_{51}).

Forming S-pol of p_{50} and p_{51}:

$$p_{848} = (512u_5u_3^{18}u_1^9 + 2048u_5u_3^{16}u_1^{11})x_8^2+$$
$$(-512u_6u_3^{18}u_1^9 - 2048u_6u_3^{16}u_1^{11})x_8x_6+$$
$$(-256u_5u_3^{19}u_1^8 - 1024u_5u_3^{17}u_1^{10})x_8x_5+$$
$$(512u_6u_3^{17}u_1^9 + 2048u_6u_3^{15}u_1^{11})x_8x_4x_2+$$
$$(256u_6u_5u_3^{18}u_1^8 + 1024u_6u_5u_3^{16}u_1^{10})x_8x_2+$$

$$(-512u_6u_3^{17}u_1^9 - 2048u_6u_3^{15}u_1^{11})x_6x_5x_2+$$
$$(256u_6u_3^{19}u_1^8 + 1024u_6u_3^{17}u_1^{10})x_6x_5+$$
$$(-256u_6^2u_3^{18}u_1^8 - 1024u_6^2u_3^{16}u_1^{10})x_6x_2$$

Reduced to zero.

3581. Creating S-polynomial from the pair (p_{50}, p_{52}).

Forming S-pol of p_{50} and p_{52}:

$$p_{849} = (32768u_3^{29}u_1^{15} + 131072u_3^{27}u_1^{17})x_8x_6x_5+$$
$$(-16384u_3^{30}u_1^{14} - 65536u_3^{28}u_1^{16})x_8x_5x_4+$$
$$(8192u_5u_3^{31}u_1^{13} - 131072u_5u_3^{27}u_1^{17})x_8x_5+$$
$$(4096u_6u_5u_3^{31}u_1^{12} + 16384u_6u_5u_3^{29}u_1^{14} + 16384u_5u_3^{30}u_1^{14}+$$
$$65536u_5u_3^{28}u_1^{16})x_5x_2 + (-8192u_5u_3^{32}u_1^{13} - 32768u_5u_3^{30}u_1^{15})x_5+$$
$$(-8192u_6^2u_5u_3^{30}u_1^{13} - 32768u_6^2u_5u_3^{28}u_1^{15})x_2+$$
$$(4096u_6^2u_5u_3^{32}u_1^{12} + 16384u_6^2u_5u_3^{30}u_1^{14})$$

Reduced to zero.

3582. Creating S-polynomial from the pair (p_{50}, p_{53}).

Forming S-pol of p_{50} and p_{53}:

$$p_{850} = 0$$

Reduced to zero.

3583. Creating S-polynomial from the pair (p_{50}, p_{54}).

Skipping pair p_{50} and p_{54} because gcd of their leading monoms is zero.

3584. Creating S-polynomial from the pair (p_{50}, p_{55}).

Skipping pair p_{50} and p_{55} because gcd of their leading monoms is zero.

3585. Creating S-polynomial from the pair (p_{50}, p_{56}).

Skipping pair p_{50} and p_{56} because gcd of their leading monoms is zero.

3586. Creating S-polynomial from the pair (p_{50}, p_{57}).

Skipping pair p_{50} and p_{57} because gcd of their leading monoms is zero.

3587. Creating S-polynomial from the pair (p_{50}, p_{58}).

Skipping pair p_{50} and p_{58} because gcd of their leading monoms is zero.

3588. Creating S-polynomial from the pair (p_{50}, p_{59}).

Skipping pair p_{50} and p_{59} because gcd of their leading monoms is zero.

3589. Creating S-polynomial from the pair (p_{50}, p_{60}).

Skipping pair p_{50} and p_{60} because gcd of their leading monoms is zero.

3590. Creating S-polynomial from the pair (p_{50}, p_{61}).
Skipping pair p_{50} and p_{61} because gcd of their leading monoms is zero.

3591. Creating S-polynomial from the pair (p_{50}, p_{62}).
Skipping pair p_{50} and p_{62} because gcd of their leading monoms is zero.

3592. Creating S-polynomial from the pair (p_{50}, p_{63}).
Skipping pair p_{50} and p_{63} because gcd of their leading monoms is zero.

3593. Creating S-polynomial from the pair (p_{50}, p_{64}).
Skipping pair p_{50} and p_{64} because gcd of their leading monoms is zero.

3594. Creating S-polynomial from the pair (p_{50}, p_{65}).
Skipping pair p_{50} and p_{65} because gcd of their leading monoms is zero.

3595. Creating S-polynomial from the pair (p_{50}, p_{66}).
Skipping pair p_{50} and p_{66} because gcd of their leading monoms is zero.

3596. Creating S-polynomial from the pair (p_{50}, p_{67}).
Skipping pair p_{50} and p_{67} because gcd of their leading monoms is zero.

3597. Creating S-polynomial from the pair (p_{50}, p_{68}).
Skipping pair p_{50} and p_{68} because gcd of their leading monoms is zero.

3598. Creating S-polynomial from the pair (p_{50}, p_{69}).
Skipping pair p_{50} and p_{69} because gcd of their leading monoms is zero.

3599. Creating S-polynomial from the pair (p_{50}, p_{70}).
Skipping pair p_{50} and p_{70} because gcd of their leading monoms is zero.

3600. Creating S-polynomial from the pair (p_{50}, p_{71}).
Skipping pair p_{50} and p_{71} because gcd of their leading monoms is zero.

3601. Creating S-polynomial from the pair (p_{50}, p_{72}).
Skipping pair p_{50} and p_{72} because gcd of their leading monoms is zero.

3602. Creating S-polynomial from the pair (p_{50}, p_{73}).
Skipping pair p_{50} and p_{73} because gcd of their leading monoms is zero.

3603. Creating S-polynomial from the pair (p_{50}, p_{74}).
Skipping pair p_{50} and p_{74} because gcd of their leading monoms is zero.

3604. Creating S-polynomial from the pair (p_{50}, p_{75}).
Skipping pair p_{50} and p_{75} because gcd of their leading monoms is zero.

3605. Creating S-polynomial from the pair (p_{50}, p_{76}).
Skipping pair p_{50} and p_{76} because gcd of their leading monoms is zero.

3606. Creating S-polynomial from the pair (p_{50}, p_{77}).
Skipping pair p_{50} and p_{77} because gcd of their leading monoms is zero.

3607. Creating S-polynomial from the pair (p_{50}, p_{78}).

Skipping pair p_{50} and p_{78} because gcd of their leading monoms is zero.

3608. Creating S-polynomial from the pair (p_{50}, p_{79}).

Skipping pair p_{50} and p_{79} because gcd of their leading monoms is zero.

3609. Creating S-polynomial from the pair (p_{50}, p_{80}).

Skipping pair p_{50} and p_{80} because gcd of their leading monoms is zero.

3610. Creating S-polynomial from the pair (p_{50}, p_{81}).

Forming S-pol of p_{50} and p_{81}:

$$p_{851} = (8192u_6u_3^{20}u_1^{13} + 32768u_6u_3^{18}u_1^{15})x_8x_6+$$
$$(-4096u_6u_3^{21}u_1^{12} - 16384u_6u_3^{19}u_1^{14})x_8x_4+$$
$$(2048u_6u_5u_3^{22}u_1^{11} - 32768u_6u_5u_3^{18}u_1^{15})x_8+$$
$$(2048u_6u_5u_3^{21}u_1^{11} + 8192u_6u_5u_3^{19}u_1^{13})x_5x_2+$$
$$(-1024u_6u_5u_3^{23}u_1^{10} - 4096u_6u_5u_3^{21}u_1^{12})x_5+$$
$$(1024u_6^2u_5u_3^{22}u_1^{10} + 4096u_6^2u_5u_3^{20}u_1^{12})x_2$$

Reduced to zero.

3611. Creating S-polynomial from the pair (p_{50}, p_{82}).

Skipping pair p_{50} and p_{82} because gcd of their leading monoms is zero.

3612. Creating S-polynomial from the pair (p_{50}, p_{83}).

Forming S-pol of p_{50} and p_{83}: Polynomial too big for output (text size is 1077 characters, number of terms is 11)

Reduced to zero.

3613. Creating S-polynomial from the pair (p_{50}, p_{84}).

Forming S-pol of p_{50} and p_{84}:

$$p_{852} = (1024u_5u_3^{18}u_1^{10} + 4096u_5u_3^{16}u_1^{12})x_8^2+$$
$$(-1024u_6u_3^{18}u_1^{10} - 4096u_6u_3^{16}u_1^{12})x_8x_6+$$
$$(-512u_5u_3^{19}u_1^{9} - 2048u_5u_3^{17}u_1^{11})x_8x_5+$$
$$(1024u_6u_3^{17}u_1^{10} + 4096u_6u_3^{15}u_1^{12})x_8x_4x_2+$$
$$(512u_6u_5u_3^{18}u_1^{9} + 2048u_6u_5u_3^{16}u_1^{11})x_8x_2+$$
$$(-1024u_6u_3^{17}u_1^{10} - 4096u_6u_3^{15}u_1^{12})x_6x_5x_2+$$
$$(512u_6u_3^{19}u_1^{9} + 2048u_6u_3^{17}u_1^{11})x_6x_5+$$
$$(-512u_6^2u_3^{18}u_1^{9} - 2048u_6^2u_3^{16}u_1^{11})x_6x_2$$

Reduced to zero.

3614. Creating S-polynomial from the pair (p_{50}, p_{85}).

Forming S-pol of p_{50} and p_{85}:

$$p_{853} = (-2048u_3^{17}u_1^{11} - 8192u_3^{15}u_1^{13})x_8^2x_4+$$
$$(-4096u_5u_3^{16}u_1^{12} - 16384u_5u_3^{14}u_1^{14})x_8^2+$$
$$(2048u_3^{17}u_1^{11} + 8192u_3^{15}u_1^{13})x_8x_6x_5+$$
$$(4096u_6u_3^{16}u_1^{12} + 16384u_6u_3^{14}u_1^{14})x_8x_6+$$
$$(1024u_5u_3^{17}u_1^{10} + 4096u_5u_3^{15}u_1^{12})x_8x_5x_2+$$
$$(-512u_6u_3^{19}u_1^{9} - 2048u_6u_3^{17}u_1^{11})x_8x_4+$$
$$(512u_6u_5u_3^{18}u_1^{9} + 2048u_6u_5u_3^{16}u_1^{11})x_8x_2+$$
$$(-1024u_6u_3^{17}u_1^{10} - 4096u_6u_3^{15}u_1^{12})x_6x_5x_2+$$
$$(512u_6u_3^{19}u_1^{9} + 2048u_6u_3^{17}u_1^{11})x_6x_5+$$
$$(-512u_6^2u_3^{18}u_1^{9} - 2048u_6^2u_3^{16}u_1^{11})x_6x_2$$

Reduced to zero.

3615. Creating S-polynomial from the pair (p_{50}, p_{86}).

Forming S-pol of p_{50} and p_{86}: Polynomial too big for output (text size is 1140 characters, number of terms is 10)

S-pol added.

3616. Creating S-polynomial from the pair (p_{50}, p_{87}).

Forming S-pol of p_{50} and p_{87}:

$$p_{854} = (64u_6u_3^{16}u_1^{6} + 256u_6u_3^{14}u_1^{8})x_8x_2+$$
$$(-32u_6u_3^{18}u_1^{5} - 128u_6u_3^{16}u_1^{7})x_8+$$
$$(-32u_6u_3^{17}u_1^{5} - 128u_6u_3^{15}u_1^{7})x_5x_2+$$
$$(16u_6u_3^{19}u_1^{4} + 64u_6u_3^{17}u_1^{6})x_5+$$
$$(-16u_6^2u_3^{18}u_1^{4} - 64u_6^2u_3^{16}u_1^{6})x_2$$

Reduced to zero.

3617. Creating S-polynomial from the pair (p_{50}, p_{88}).

Skipping pair p_{50} and p_{88} because gcd of their leading monoms is zero.

3618. Creating S-polynomial from the pair (p_{50}, p_{89}).

Skipping pair p_{50} and p_{89} because gcd of their leading monoms is zero.

3619. Creating S-polynomial from the pair (p_{50}, p_{90}).

Skipping pair p_{50} and p_{90} because gcd of their leading monoms is zero.

3620. Creating S-polynomial from the pair (p_{50}, p_{91}).

Skipping pair p_{50} and p_{91} because gcd of their leading monoms is zero.

3621. Creating S-polynomial from the pair (p_{50}, p_{92}).

Skipping pair p_{50} and p_{92} because gcd of their leading monoms is zero.

3622. Creating S-polynomial from the pair (p_{50}, p_{93}).

Skipping pair p_{50} and p_{93} because gcd of their leading monoms is zero.

3623. Creating S-polynomial from the pair (p_{50}, p_{94}).

Skipping pair p_{50} and p_{94} because gcd of their leading monoms is zero.

3624. Creating S-polynomial from the pair (p_{50}, p_{95}).

Forming S-pol of p_{50} and p_{95}: Polynomial too big for output (text size is 1505 characters, number of terms is 16)

Reduced to zero.

3625. Creating S-polynomial from the pair (p_{50}, p_{96}).

Forming S-pol of p_{50} and p_{96}:

$$p_{855} = (-512u_5u_3^{14}u_1^9 - 2048u_5u_3^{12}u_1^{11})x_8^2+$$
$$(256u_3^{15}u_1^8 + 1024u_3^{13}u_1^{10})x_8x_6x_5+$$
$$(512u_6u_3^{14}u_1^9 + 2048u_6u_3^{12}u_1^{11})x_8x_6+$$
$$(-128u_3^{16}u_1^7 - 512u_3^{14}u_1^9)x_8x_5x_4+$$
$$(128u_5u_3^{15}u_1^7 + 512u_5u_3^{13}u_1^9)x_8x_5x_2+$$
$$(-128u_6u_3^{15}u_1^7 - 512u_6u_3^{13}u_1^9)x_8x_4x_2+$$
$$(64u_6u_3^{17}u_1^6 - 1024u_6u_3^{13}u_1^{10})x_8x_4+$$
$$(64u_6u_3^{16}u_1^6 + 256u_6u_3^{14}u_1^8)x_5x_4x_2+$$
$$(-32u_6u_3^{18}u_1^5 - 128u_6u_3^{16}u_1^7)x_5x_4+$$
$$(32u_6^2u_3^{17}u_1^5 + 128u_6^2u_3^{15}u_1^7)x_4x_2$$

Reduced to zero.

3626. Creating S-polynomial from the pair (p_{50}, p_{97}).

Forming S-pol of p_{50} and p_{97}:

$$p_{856} = (4096u_3^{23}u_1^{12} + 16384u_3^{21}u_1^{14})x_8x_6x_5+$$
$$(-16384u_3^{20}u_1^{14} + 8192u_3^{20}u_1^{13} - 65536u_3^{18}u_1^{16}+$$
$$32768u_3^{18}u_1^{15})x_8x_5x_4x_2 + (-2048u_3^{24}u_1^{11} + 32768u_3^{20}u_1^{15})x_8x_5x_4+$$
$$(2048u_5u_3^{23}u_1^{11} + 8192u_5u_3^{21}u_1^{13})x_8x_5x_2+$$
$$(-4096u_5u_3^{23}u_1^{12} - 16384u_5u_3^{21}u_1^{14})x_8x_5+$$
$$(-2048u_6u_3^{23}u_1^{11} - 16384u_6u_3^{21}u_1^{13} - 32768u_6u_3^{19}u_1^{15})x_8x_4x_2+$$
$$(1024u_6u_3^{25}u_1^{10} + 4096u_6u_3^{23}u_1^{12} + 8192u_6u_3^{21}u_1^{13}+$$
$$32768u_6u_3^{19}u_1^{15})x_8x_4 + (1024u_6u_3^{24}u_1^{10} + 4096u_6u_3^{22}u_1^{12})x_5x_4x_2+$$
$$(-512u_6u_3^{26}u_1^9 - 2048u_6u_3^{24}u_1^{11})x_5x_4+$$
$$(512u_6^2u_3^{25}u_1^9 + 2048u_6^2u_3^{23}u_1^{11})x_4x_2$$

S-pol added.

3627. Creating S-polynomial from the pair (p_{50}, p_{98}).

Forming S-pol of p_{50} and p_{98}: Polynomial too big for output (text size is 4866 characters, number of terms is 30)

Reduced to zero.

3628. Creating S-polynomial from the pair (p_{50}, p_{99}).

Forming S-pol of p_{50} and p_{99}: Polynomial too big for output (text size is 4862 characters, number of terms is 30)

Reduced to zero.

3629. Creating S-polynomial from the pair (p_{50}, p_{100}).

Skipping pair p_{50} and p_{100} because gcd of their leading monoms is zero.

3630. Creating S-polynomial from the pair (p_{50}, p_{101}).

Skipping pair p_{50} and p_{101} because gcd of their leading monoms is zero.

3631. Creating S-polynomial from the pair (p_{50}, p_{102}).

Skipping pair p_{50} and p_{102} because gcd of their leading monoms is zero.

3632. Creating S-polynomial from the pair (p_{50}, p_{103}).

Skipping pair p_{50} and p_{103} because gcd of their leading monoms is zero.

3633. Creating S-polynomial from the pair (p_{50}, p_{104}).

Skipping pair p_{50} and p_{104} because gcd of their leading monoms is zero.

3634. Creating S-polynomial from the pair (p_{50}, p_{105}).

Skipping pair p_{50} and p_{105} because gcd of their leading monoms is zero.

3635. Creating S-polynomial from the pair (p_{50}, p_{106}).

Skipping pair p_{50} and p_{106} because gcd of their leading monoms is zero.

3636. Creating S-polynomial from the pair (p_{51}, p_{52}).

Forming S-pol of p_{51} and p_{52}: Polynomial too big for output (text size is 1066 characters, number of terms is 15)

Reduced to zero.

3637. Creating S-polynomial from the pair (p_{51}, p_{53}).

Forming S-pol of p_{51} and p_{53}:

$$p_{857} = 256u_5u_3^{12}u_1^8x_8^2 - 256u_6u_3^{12}u_1^8x_8x_6 - 128u_5u_3^{13}u_1^7x_8x_5 +$$
$$256u_6u_3^{11}u_1^8x_8x_4x_2 + 128u_6u_5u_3^{12}u_1^7x_8x_2 -$$
$$256u_6u_3^{11}u_1^8x_6x_5x_2 + 128u_6u_3^{13}u_1^7x_6x_5 -$$
$$128u_6^2u_3^{12}u_1^7x_6x_2$$

Reduced to zero.

3638. Creating S-polynomial from the pair (p_{51}, p_{54}).

Skipping pair p_{51} and p_{54} because gcd of their leading monoms is zero.

3639. Creating S-polynomial from the pair (p_{51}, p_{55}).
Skipping pair p_{51} and p_{55} because gcd of their leading monoms is zero.

3640. Creating S-polynomial from the pair (p_{51}, p_{56}).
Skipping pair p_{51} and p_{56} because gcd of their leading monoms is zero.

3641. Creating S-polynomial from the pair (p_{51}, p_{57}).
Skipping pair p_{51} and p_{57} because gcd of their leading monoms is zero.

3642. Creating S-polynomial from the pair (p_{51}, p_{58}).
Skipping pair p_{51} and p_{58} because gcd of their leading monoms is zero.

3643. Creating S-polynomial from the pair (p_{51}, p_{59}).
Skipping pair p_{51} and p_{59} because gcd of their leading monoms is zero.

3644. Creating S-polynomial from the pair (p_{51}, p_{60}).
Skipping pair p_{51} and p_{60} because gcd of their leading monoms is zero.

3645. Creating S-polynomial from the pair (p_{51}, p_{61}).
Skipping pair p_{51} and p_{61} because gcd of their leading monoms is zero.

3646. Creating S-polynomial from the pair (p_{51}, p_{62}).
Skipping pair p_{51} and p_{62} because gcd of their leading monoms is zero.

3647. Creating S-polynomial from the pair (p_{51}, p_{63}).
Skipping pair p_{51} and p_{63} because gcd of their leading monoms is zero.

3648. Creating S-polynomial from the pair (p_{51}, p_{64}).
Skipping pair p_{51} and p_{64} because gcd of their leading monoms is zero.

3649. Creating S-polynomial from the pair (p_{51}, p_{65}).
Skipping pair p_{51} and p_{65} because gcd of their leading monoms is zero.

3650. Creating S-polynomial from the pair (p_{51}, p_{66}).
Skipping pair p_{51} and p_{66} because gcd of their leading monoms is zero.

3651. Creating S-polynomial from the pair (p_{51}, p_{67}).
Skipping pair p_{51} and p_{67} because gcd of their leading monoms is zero.

3652. Creating S-polynomial from the pair (p_{51}, p_{68}).
Skipping pair p_{51} and p_{68} because gcd of their leading monoms is zero.

3653. Creating S-polynomial from the pair (p_{51}, p_{69}).
Skipping pair p_{51} and p_{69} because gcd of their leading monoms is zero.

3654. Creating S-polynomial from the pair (p_{51}, p_{70}).
Skipping pair p_{51} and p_{70} because gcd of their leading monoms is zero.

3655. Creating S-polynomial from the pair (p_{51}, p_{71}).
Skipping pair p_{51} and p_{71} because gcd of their leading monoms is zero.

3656. Creating S-polynomial from the pair (p_{51}, p_{72}).
Skipping pair p_{51} and p_{72} because gcd of their leading monoms is zero.

3657. Creating S-polynomial from the pair (p_{51}, p_{73}).
Skipping pair p_{51} and p_{73} because gcd of their leading monoms is zero.

3658. Creating S-polynomial from the pair (p_{51}, p_{74}).
Skipping pair p_{51} and p_{74} because gcd of their leading monoms is zero.

3659. Creating S-polynomial from the pair (p_{51}, p_{75}).
Skipping pair p_{51} and p_{75} because gcd of their leading monoms is zero.

3660. Creating S-polynomial from the pair (p_{51}, p_{76}).
Skipping pair p_{51} and p_{76} because gcd of their leading monoms is zero.

3661. Creating S-polynomial from the pair (p_{51}, p_{77}).
Skipping pair p_{51} and p_{77} because gcd of their leading monoms is zero.

3662. Creating S-polynomial from the pair (p_{51}, p_{78}).
Skipping pair p_{51} and p_{78} because gcd of their leading monoms is zero.

3663. Creating S-polynomial from the pair (p_{51}, p_{79}).
Skipping pair p_{51} and p_{79} because gcd of their leading monoms is zero.

3664. Creating S-polynomial from the pair (p_{51}, p_{80}).
Skipping pair p_{51} and p_{80} because gcd of their leading monoms is zero.

3665. Creating S-polynomial from the pair (p_{51}, p_{81}).
Forming S-pol of p_{51} and p_{81}:

$$p_{858} = -16384u_5^2u_3^{18}u_1^{14}x_8 - 65536u_6u_3^{16}u_1^{16}x_6^2+$$
$$32768u_6u_3^{17}u_1^{15}x_6x_4 + 65536u_6u_5u_3^{16}u_1^{16}x_6 + 8192u_5^2u_3^{19}u_1^{13}x_5-$$
$$16384u_6u_5u_3^{17}u_1^{14}x_4x_2 - 8192u_6u_5^2u_3^{18}u_1^{13}x_2$$

Reduced to zero.

3666. Creating S-polynomial from the pair (p_{51}, p_{82}).
Forming S-pol of p_{51} and p_{82}:

$$p_{859} = 512u_3^{13}u_1^9x_8x_4 - 512u_5u_3^{12}u_1^9x_8x_2+$$
$$(256u_5u_3^{14}u_1^8 + 1024u_5u_3^{12}u_1^{10})x_8 - 512u_3^{13}u_1^9x_6x_5-$$
$$1024u_6u_3^{12}u_1^{10}x_6 - 128u_5u_3^{15}u_1^7x_5 + 256u_6u_3^{13}u_1^8x_4x_2+$$
$$128u_6u_5u_3^{14}u_1^7x_2$$

Reduced to zero.

3667. Creating S-polynomial from the pair (p_{51}, p_{83}).

Forming S-pol of p_{51} and p_{83}:

$$p_{860} = -33554432u_5u_3^{25}u_1^{25}x_8x_6x_4 + 67108864u_6u_3^{24}u_1^{26}x_6^3+$$
$$(16777216u_6u_5u_3^{26}u_1^{24} - 67108864u_6u_5u_3^{24}u_1^{26})x_6^2+$$
$$16777216u_5u_3^{26}u_1^{24}x_6x_5x_4 + 16777216u_6u_5u_3^{25}u_1^{24}x_6x_4x_2+$$
$$(-8388608u_6u_5u_3^{27}u_1^{23} - 33554432u_6u_3^{26}u_1^{25})x_6x_4+$$
$$8388608u_6u_5^2u_3^{26}u_1^{23}x_6x_2 + 16777216u_6u_5^2u_3^{26}u_1^{24}x_6$$

Reduced to zero.

3668. Creating S-polynomial from the pair (p_{51}, p_{84}).

Forming S-pol of p_{51} and p_{84}:

$$p_{861} = 0$$

Reduced to zero.

3669. Creating S-polynomial from the pair (p_{51}, p_{85}).

Forming S-pol of p_{51} and p_{85}:

$$p_{862} = 16384u_3^{13}u_1^{14}x_8x_6x_4+$$
$$(8192u_5u_3^{14}u_1^{13} + 32768u_5u_3^{12}u_1^{15})x_8x_6 - 16384u_3^{13}u_1^{14}x_6^2x_5+$$
$$(-8192u_6u_3^{14}u_1^{13} - 32768u_6u_3^{12}u_1^{15})x_6^2 - 8192u_5u_3^{13}u_1^{13}x_6x_5x_2-$$
$$4096u_5u_3^{15}u_1^{12}x_6x_5 + 8192u_6u_3^{13}u_1^{13}x_6x_4x_2+$$
$$4096u_6u_3^{15}u_1^{12}x_6x_4$$

Reduced to zero.

3670. Creating S-polynomial from the pair (p_{51}, p_{86}).

Forming S-pol of p_{51} and p_{86}:

$$p_{863} = (-16384u_5u_3^{22}u_1^{14} + 32768u_5u_3^{20}u_1^{15})x_8x_4 - 65536u_3^{20}u_1^{16}x_6^2x_5+$$
$$(262144u_3^{17}u_1^{18} - 131072u_3^{17}u_1^{17})x_6x_5x_4x_2+$$
$$(32768u_3^{21}u_1^{15} - 131072u_3^{19}u_1^{17})x_6x_5x_4 - 32768u_5u_3^{20}u_1^{15}x_6x_5x_2+$$
$$65536u_5u_3^{20}u_1^{16}x_6x_5+$$
$$(32768u_6u_3^{20}u_1^{15} + 131072u_6u_3^{18}u_1^{17} - 65536u_6u_3^{18}u_1^{16})x_6x_4x_2-$$
$$131072u_6u_3^{18}u_1^{17}x_6x_4 + (8192u_5u_3^{23}u_1^{13} - 16384u_5u_3^{21}u_1^{14})x_5x_4+$$
$$(-16384u_6u_3^{21}u_1^{14} + 32768u_6u_3^{19}u_1^{15})x_4^2x_2+$$
$$(-8192u_6u_5u_3^{22}u_1^{13} + 16384u_6u_5u_3^{20}u_1^{14})x_4x_2$$

S-pol added.

3671. Creating S-polynomial from the pair (p_{51}, p_{87}).
Forming S-pol of p_{51} and p_{87}:

$$p_{864} = 256u_5u_3^{14}u_1^8x_8 - 512u_6u_3^{12}u_1^9x_6x_2 - 128u_5u_3^{15}u_1^7x_5 +$$
$$256u_6u_3^{13}u_1^8x_4x_2 + 128u_6u_5u_3^{14}u_1^7x_2$$

Reduced to zero.

3672. Creating S-polynomial from the pair (p_{51}, p_{88}).
Skipping pair p_{51} and p_{88} because gcd of their leading monoms is zero.

3673. Creating S-polynomial from the pair (p_{51}, p_{89}).
Skipping pair p_{51} and p_{89} because gcd of their leading monoms is zero.

3674. Creating S-polynomial from the pair (p_{51}, p_{90}).
Skipping pair p_{51} and p_{90} because gcd of their leading monoms is zero.

3675. Creating S-polynomial from the pair (p_{51}, p_{91}).
Skipping pair p_{51} and p_{91} because gcd of their leading monoms is zero.

3676. Creating S-polynomial from the pair (p_{51}, p_{92}).
Skipping pair p_{51} and p_{92} because gcd of their leading monoms is zero.

3677. Creating S-polynomial from the pair (p_{51}, p_{93}).
Skipping pair p_{51} and p_{93} because gcd of their leading monoms is zero.

3678. Creating S-polynomial from the pair (p_{51}, p_{94}).
Skipping pair p_{51} and p_{94} because gcd of their leading monoms is zero.

3679. Creating S-polynomial from the pair (p_{51}, p_{95}).
Forming S-pol of p_{51} and p_{95}:

$$p_{865} = 33554432u_5u_3^{23}u_1^{25}x_8x_6^2 +$$
$$(16777216u_5u_3^{24}u_1^{24} + 67108864u_5u_3^{22}u_1^{26} + 67108864u_3^{23}u_1^{26})x_8x_6x_4 +$$
$$(8388608u_5^2u_3^{25}u_1^{23} - 33554432u_5^2u_3^{23}u_1^{25})x_8x_6 -$$
$$33554432u_6u_3^{23}u_1^{25}x_6^3 - 33554432u_3^{23}u_1^{25}x_6^2x_5x_4 -$$
$$16777216u_5u_3^{24}u_1^{24}x_6^2x_5 - 67108864u_6u_3^{22}u_1^{26}x_6^2x_4 -$$
$$8388608u_6u_5u_3^{25}u_1^{23}x_6^2 - 16777216u_5u_3^{23}u_1^{24}x_6x_5x_4x_2 -$$
$$8388608u_5u_3^{25}u_1^{23}x_6x_5x_4 - 4194304u_5^2u_3^{26}u_1^{22}x_6x_5 +$$
$$16777216u_6u_3^{23}u_1^{24}x_6x_4^2x_2 +$$
$$(4194304u_6u_5u_3^{26}u_1^{22} + 16777216u_6u_3^{25}u_1^{24})x_6x_4 -$$
$$8388608u_6u_5^2u_3^{25}u_1^{23}x_6$$

Reduced to zero.

3680. Creating S-polynomial from the pair (p_{51}, p_{96}).

Forming S-pol of p_{51} and p_{96}:

$$p_{866} = 4096u_5u_3^{10}u_1^{12}x_8x_6 - 512u_5u_3^{13}u_1^9x_8x_4 - 2048u_3^{11}u_1^{11}x_6^2x_5 -$$
$$4096u_6u_3^{10}u_1^{12}x_6^2 + 1024u_3^{12}u_1^{10}x_6x_5x_4 -$$
$$1024u_5u_3^{11}u_1^{10}x_6x_5x_2 + 1024u_6u_3^{11}u_1^{10}x_6x_4x_2 +$$
$$2048u_6u_3^{11}u_1^{11}x_6x_4 + 256u_5u_3^{14}u_1^8x_5x_4 - 512u_6u_3^{12}u_1^9x_4^2x_2 -$$
$$256u_6u_5u_3^{13}u_1^8x_4x_2$$

Reduced to zero.

3681. Creating S-polynomial from the pair (p_{51}, p_{97}).

Forming S-pol of p_{51} and p_{97}:

$$p_{867} = -8192u_5u_3^{21}u_1^{13}x_8x_4 - 32768u_3^{19}u_1^{15}x_6^2x_5 +$$
$$(131072u_3^{16}u_1^{17} - 65536u_3^{16}u_1^{16})x_6x_5x_4x_2 +$$
$$(16384u_3^{20}u_1^{14} - 65536u_3^{18}u_1^{16})x_6x_5x_4 - 16384u_5u_3^{19}u_1^{14}x_6x_5x_2 +$$
$$32768u_5u_3^{19}u_1^{15}x_6x_5 +$$
$$(16384u_6u_3^{19}u_1^{14} + 65536u_6u_3^{17}u_1^{16})x_6x_4x_2 - 65536u_6u_3^{17}u_1^{16}x_6x_4 +$$
$$4096u_5u_3^{22}u_1^{12}x_5x_4 - 8192u_6u_3^{20}u_1^{13}x_4^2x_2 -$$
$$4096u_6u_5u_3^{21}u_1^{12}x_4x_2$$

S-pol added.

3682. Creating S-polynomial from the pair (p_{51}, p_{98}).

Forming S-pol of p_{51} and p_{98}: Polynomial too big for output (text size is 2791 characters, number of terms is 31)

Reduced to zero.

3683. Creating S-polynomial from the pair (p_{51}, p_{99}).

Forming S-pol of p_{51} and p_{99}: Polynomial too big for output (text size is 2794 characters, number of terms is 31)

Reduced to zero.

3684. Creating S-polynomial from the pair (p_{51}, p_{100}).

Skipping pair p_{51} and p_{100} because gcd of their leading monoms is zero.

3685. Creating S-polynomial from the pair (p_{51}, p_{101}).

Skipping pair p_{51} and p_{101} because gcd of their leading monoms is zero.

3686. Creating S-polynomial from the pair (p_{51}, p_{102}).

Skipping pair p_{51} and p_{102} because gcd of their leading monoms is zero.

3687. Creating S-polynomial from the pair (p_{51}, p_{103}).

Skipping pair p_{51} and p_{103} because gcd of their leading monoms is zero.

3688. Creating S-polynomial from the pair (p_{51}, p_{104}).

Skipping pair p_{51} and p_{104} because gcd of their leading monoms is zero.

3689. Creating S-polynomial from the pair (p_{51}, p_{105}).

Skipping pair p_{51} and p_{105} because gcd of their leading monoms is zero.

3690. Creating S-polynomial from the pair (p_{51}, p_{106}).

Skipping pair p_{51} and p_{106} because gcd of their leading monoms is zero.

3691. Creating S-polynomial from the pair (p_{52}, p_{53}).

Forming S-pol of p_{52} and p_{53}:

$$p_{868} = 16384u_3^{23}u_1^{14}x_8x_6x_5 - 8192u_3^{24}u_1^{13}x_8x_5x_4+$$
$$(4096u_5u_3^{25}u_1^{12} - 16384u_5u_3^{23}u_1^{14})x_8x_5+$$
$$(2048u_6u_5u_3^{25}u_1^{11} + 8192u_5u_3^{24}u_1^{13})x_5x_2 - 4096u_5u_3^{26}u_1^{12}x_5-$$
$$4096u_6^2u_5u_3^{24}u_1^{12}x_2 + 2048u_6^2u_5u_3^{26}u_1^{11}$$

Reduced to zero.

3692. Creating S-polynomial from the pair (p_{52}, p_{54}).

Skipping pair p_{52} and p_{54} because gcd of their leading monoms is zero.

3693. Creating S-polynomial from the pair (p_{52}, p_{55}).

Skipping pair p_{52} and p_{55} because gcd of their leading monoms is zero.

3694. Creating S-polynomial from the pair (p_{52}, p_{56}).

Skipping pair p_{52} and p_{56} because gcd of their leading monoms is zero.

3695. Creating S-polynomial from the pair (p_{52}, p_{57}).

Forming S-pol of p_{52} and p_{57}: Polynomial too big for output (text size is 4007 characters, number of terms is 23)

Reduced to zero.

3696. Creating S-polynomial from the pair (p_{52}, p_{58}).

Skipping pair p_{52} and p_{58} because gcd of their leading monoms is zero.

3697. Creating S-polynomial from the pair (p_{52}, p_{59}).

Skipping pair p_{52} and p_{59} because gcd of their leading monoms is zero.

3698. Creating S-polynomial from the pair (p_{52}, p_{60}).

Skipping pair p_{52} and p_{60} because gcd of their leading monoms is zero.

3699. Creating S-polynomial from the pair (p_{52}, p_{61}).

Skipping pair p_{52} and p_{61} because gcd of their leading monoms is zero.

3700. Creating S-polynomial from the pair (p_{52}, p_{62}).

Forming S-pol of p_{52} and p_{62}: Polynomial too big for output (text size is 3491 characters, number of terms is 22)

Reduced to zero.

3701. Creating S-polynomial from the pair (p_{52}, p_{63}).

Skipping pair p_{52} and p_{63} because gcd of their leading monoms is zero.

3702. Creating S-polynomial from the pair (p_{52}, p_{64}).

Skipping pair p_{52} and p_{64} because gcd of their leading monoms is zero.

3703. Creating S-polynomial from the pair (p_{52}, p_{65}).

Skipping pair p_{52} and p_{65} because gcd of their leading monoms is zero.

3704. Creating S-polynomial from the pair (p_{52}, p_{66}).

Skipping pair p_{52} and p_{66} because gcd of their leading monoms is zero.

3705. Creating S-polynomial from the pair (p_{52}, p_{67}).

Forming S-pol of p_{52} and p_{67}: Polynomial too big for output (text size is 4007 characters, number of terms is 23)

Reduced to zero.

3706. Creating S-polynomial from the pair (p_{52}, p_{68}).

Skipping pair p_{52} and p_{68} because gcd of their leading monoms is zero.

3707. Creating S-polynomial from the pair (p_{52}, p_{69}).

Skipping pair p_{52} and p_{69} because gcd of their leading monoms is zero.

3708. Creating S-polynomial from the pair (p_{52}, p_{70}).

Skipping pair p_{52} and p_{70} because gcd of their leading monoms is zero.

3709. Creating S-polynomial from the pair (p_{52}, p_{71}).

Skipping pair p_{52} and p_{71} because gcd of their leading monoms is zero.

3710. Creating S-polynomial from the pair (p_{52}, p_{72}).

Forming S-pol of p_{52} and p_{72}: Polynomial too big for output (text size is 3491 characters, number of terms is 22)

Reduced to zero.

3711. Creating S-polynomial from the pair (p_{52}, p_{73}).

Skipping pair p_{52} and p_{73} because gcd of their leading monoms is zero.

3712. Creating S-polynomial from the pair (p_{52}, p_{74}).

Skipping pair p_{52} and p_{74} because gcd of their leading monoms is zero.

3713. Creating S-polynomial from the pair (p_{52}, p_{75}).

Skipping pair p_{52} and p_{75} because gcd of their leading monoms is zero.

3714. Creating S-polynomial from the pair (p_{52}, p_{76}).

Skipping pair p_{52} and p_{76} because gcd of their leading monoms is zero.

3715. Creating S-polynomial from the pair (p_{52}, p_{77}).

Skipping pair p_{52} and p_{77} because gcd of their leading monoms is zero.

3716. Creating S-polynomial from the pair (p_{52}, p_{78}).

Skipping pair p_{52} and p_{78} because gcd of their leading monoms is zero.

3717. Creating S-polynomial from the pair (p_{52}, p_{79}).

Forming S-pol of p_{52} and p_{79}: Polynomial too big for output (text size is 2723 characters, number of terms is 18)

S-pol added.

3718. Creating S-polynomial from the pair (p_{52}, p_{80}).

Skipping pair p_{52} and p_{80} because gcd of their leading monoms is zero.

3719. Creating S-polynomial from the pair (p_{52}, p_{81}).

Forming S-pol of p_{52} and p_{81}:

$$p_{869} = -1048576u_5u_3^{29}u_1^{20}x_8x_6x_5+$$
$$(1048576u_6u_3^{29}u_1^{20} + 4194304u_6u_3^{27}u_1^{22})x_8x_6x_4+$$
$$524288u_5u_3^{30}u_1^{19}x_8x_5x_4+$$
$$(-262144u_5^2u_3^{31}u_1^{18} + 1048576u_5^2u_3^{29}u_1^{20})x_8x_5+$$
$$(-524288u_6u_3^{30}u_1^{19} - 2097152u_6u_3^{28}u_1^{21})x_8x_4^2+$$
$$(262144u_6u_5u_3^{31}u_1^{18} - 4194304u_6u_5u_3^{27}u_1^{22})x_8x_4+$$
$$(262144u_6u_5u_3^{30}u_1^{18} + 1048576u_6u_5u_3^{28}u_1^{20})x_5x_4x_2+$$
$$(-131072u_6u_5u_3^{32}u_1^{17} - 524288u_6u_5u_3^{30}u_1^{19})x_5x_4+$$
$$(-131072u_6u_5^2u_3^{31}u_1^{17} - 524288u_5^2u_3^{30}u_1^{19})x_5x_2+$$
$$262144u_5^2u_3^{32}u_1^{18}x_5+$$
$$(131072u_6^2u_5u_3^{31}u_1^{17} + 524288u_6^2u_5u_3^{29}u_1^{19})x_4x_2+$$
$$262144u_6^2u_5^2u_3^{30}u_1^{18}x_2 - 131072u_6^2u_5^2u_3^{32}u_1^{17}$$

Reduced to zero.

3720. Creating S-polynomial from the pair (p_{52}, p_{82}).

Skipping pair p_{52} and p_{82} because gcd of their leading monoms is zero.

3721. Creating S-polynomial from the pair (p_{52}, p_{83}).

Forming S-pol of p_{52} and p_{83}: Polynomial too big for output (text size is 1651 characters, number of terms is 18)

Reduced to zero.

3722. Creating S-polynomial from the pair (p_{52}, p_{84}).

Forming S-pol of p_{52} and p_{84}: Polynomial too big for output (text size is 1071 characters, number of terms is 15)

Reduced to zero.

3723. Creating S-polynomial from the pair (p_{52}, p_{85}).

Forming S-pol of p_{52} and p_{85}: Polynomial too big for output (text size is 1150 characters, number of terms is 16)

Reduced to zero.

3724. Creating S-polynomial from the pair (p_{52}, p_{86}).

Forming S-pol of p_{52} and p_{86}: Polynomial too big for output (text size is 2068 characters, number of terms is 17)

S-pol added.

3725. Creating S-polynomial from the pair (p_{52}, p_{87}).

Forming S-pol of p_{52} and p_{87}:

$$p_{870} = 16384u_3^{25}u_1^{14}x_8x_6x_5 - 8192u_3^{26}u_1^{13}x_8x_5x_4+$$
$$(4096u_5u_3^{27}u_1^{12} - 16384u_5u_3^{25}u_1^{14})x_8x_5+$$
$$(8192u_6u_3^{25}u_1^{13} + 32768u_6u_3^{23}u_1^{15})x_8x_4x_2+$$
$$(-4096u_6u_3^{27}u_1^{12} - 16384u_6u_3^{25}u_1^{14})x_8x_4+$$
$$(-4096u_6u_3^{26}u_1^{12} - 16384u_6u_3^{24}u_1^{14})x_5x_4x_2+$$
$$(2048u_6u_3^{28}u_1^{11} + 8192u_6u_3^{26}u_1^{13})x_5x_4+$$
$$(2048u_6u_5u_3^{27}u_1^{11} + 8192u_5u_3^{26}u_1^{13})x_5x_2 - 4096u_5u_3^{28}u_1^{12}x_5+$$
$$(-2048u_6^2u_3^{27}u_1^{11} - 8192u_6^2u_3^{25}u_1^{13})x_4x_2-$$
$$4096u_6^2u_5u_3^{26}u_1^{12}x_2 + 2048u_6^2u_5u_3^{28}u_1^{11}$$

Reduced to zero.

3726. Creating S-polynomial from the pair (p_{52}, p_{88}).

Skipping pair p_{52} and p_{88} because gcd of their leading monoms is zero.

3727. Creating S-polynomial from the pair (p_{52}, p_{89}).

Skipping pair p_{52} and p_{89} because gcd of their leading monoms is zero.

3728. Creating S-polynomial from the pair (p_{52}, p_{90}).

Skipping pair p_{52} and p_{90} because gcd of their leading monoms is zero.

3729. Creating S-polynomial from the pair (p_{52}, p_{91}).

Skipping pair p_{52} and p_{91} because gcd of their leading monoms is zero.

3730. Creating S-polynomial from the pair (p_{52}, p_{92}).

Skipping pair p_{52} and p_{92} because gcd of their leading monoms is zero.

3731. Creating S-polynomial from the pair (p_{52}, p_{93}).

Forming S-pol of p_{52} and p_{93}: Polynomial too big for output (text size is 2723 characters, number of terms is 18)

S-pol added.

3732. Creating S-polynomial from the pair (p_{52}, p_{94}).

Skipping pair p_{52} and p_{94} because gcd of their leading monoms is zero.

3733. Creating S-polynomial from the pair (p_{52}, p_{95}).

Forming S-pol of p_{52} and p_{95}: Polynomial too big for output (text size is 1803 characters, number of terms is 21)

Reduced to zero.

3734. Creating S-polynomial from the pair (p_{52}, p_{96}).

Forming S-pol of p_{52} and p_{96}: Polynomial too big for output (text size is 1089 characters, number of terms is 16)

S-pol added.

3735. Creating S-polynomial from the pair (p_{52}, p_{97}).

Forming S-pol of p_{52} and p_{97}: Polynomial too big for output (text size is 1416 characters, number of terms is 17)

S-pol added.

3736. Creating S-polynomial from the pair (p_{52}, p_{98}).

Forming S-pol of p_{52} and p_{98}: Polynomial too big for output (text size is 6340 characters, number of terms is 37)

Reduced to zero.

3737. Creating S-polynomial from the pair (p_{52}, p_{99}).

Forming S-pol of p_{52} and p_{99}: Polynomial too big for output (text size is 6337 characters, number of terms is 37)

Reduced to zero.

3738. Creating S-polynomial from the pair (p_{52}, p_{100}).

Forming S-pol of p_{52} and p_{100}: Polynomial too big for output (text size is 2589 characters, number of terms is 22)

Reduced to zero.

3739. Creating S-polynomial from the pair (p_{52}, p_{101}).

Forming S-pol of p_{52} and p_{101}: Polynomial too big for output (text size is 1372 characters, number of terms is 16)

Reduced to zero.

3740. Creating S-polynomial from the pair (p_{52}, p_{102}).

Forming S-pol of p_{52} and p_{102}: Polynomial too big for output (text size is 1881 characters, number of terms is 18)

S-pol added.

3741. Creating S-polynomial from the pair (p_{52}, p_{103}).

Skipping pair p_{52} and p_{103} because gcd of their leading monoms is zero.

3742. Creating S-polynomial from the pair (p_{52}, p_{104}).

Forming S-pol of p_{52} and p_{104}: Polynomial too big for output (text size is 2589 characters, number of terms is 22)

Reduced to zero.

3743. Creating S-polynomial from the pair (p_{52}, p_{105}).

Forming S-pol of p_{52} and p_{105}: Polynomial too big for output (text size is 1372 characters, number of terms is 16)

Reduced to zero.

3744. Creating S-polynomial from the pair (p_{52}, p_{106}).

Forming S-pol of p_{52} and p_{106}: Polynomial too big for output (text size is 1881 characters, number of terms is 18)

S-pol added.

3745. Creating S-polynomial from the pair (p_{53}, p_{54}).

Skipping pair p_{53} and p_{54} because gcd of their leading monoms is zero.

3746. Creating S-polynomial from the pair (p_{53}, p_{55}).

Skipping pair p_{53} and p_{55} because gcd of their leading monoms is zero.

3747. Creating S-polynomial from the pair (p_{53}, p_{56}).

Skipping pair p_{53} and p_{56} because gcd of their leading monoms is zero.

3748. Creating S-polynomial from the pair (p_{53}, p_{57}).

Skipping pair p_{53} and p_{57} because gcd of their leading monoms is zero.

3749. Creating S-polynomial from the pair (p_{53}, p_{58}).

Skipping pair p_{53} and p_{58} because gcd of their leading monoms is zero.

3750. Creating S-polynomial from the pair (p_{53}, p_{59}).

Skipping pair p_{53} and p_{59} because gcd of their leading monoms is zero.

3751. Creating S-polynomial from the pair (p_{53}, p_{60}).

Skipping pair p_{53} and p_{60} because gcd of their leading monoms is zero.

3752. Creating S-polynomial from the pair (p_{53}, p_{61}).

Skipping pair p_{53} and p_{61} because gcd of their leading monoms is zero.

3753. Creating S-polynomial from the pair (p_{53}, p_{62}).

Skipping pair p_{53} and p_{62} because gcd of their leading monoms is zero.

3754. Creating S-polynomial from the pair (p_{53}, p_{63}).

Skipping pair p_{53} and p_{63} because gcd of their leading monoms is zero.

3755. Creating S-polynomial from the pair (p_{53}, p_{64}).

Skipping pair p_{53} and p_{64} because gcd of their leading monoms is zero.

3756. Creating S-polynomial from the pair (p_{53}, p_{65}).
Skipping pair p_{53} and p_{65} because gcd of their leading monoms is zero.

3757. Creating S-polynomial from the pair (p_{53}, p_{66}).
Skipping pair p_{53} and p_{66} because gcd of their leading monoms is zero.

3758. Creating S-polynomial from the pair (p_{53}, p_{67}).
Skipping pair p_{53} and p_{67} because gcd of their leading monoms is zero.

3759. Creating S-polynomial from the pair (p_{53}, p_{68}).
Skipping pair p_{53} and p_{68} because gcd of their leading monoms is zero.

3760. Creating S-polynomial from the pair (p_{53}, p_{69}).
Skipping pair p_{53} and p_{69} because gcd of their leading monoms is zero.

3761. Creating S-polynomial from the pair (p_{53}, p_{70}).
Skipping pair p_{53} and p_{70} because gcd of their leading monoms is zero.

3762. Creating S-polynomial from the pair (p_{53}, p_{71}).
Skipping pair p_{53} and p_{71} because gcd of their leading monoms is zero.

3763. Creating S-polynomial from the pair (p_{53}, p_{72}).
Skipping pair p_{53} and p_{72} because gcd of their leading monoms is zero.

3764. Creating S-polynomial from the pair (p_{53}, p_{73}).
Skipping pair p_{53} and p_{73} because gcd of their leading monoms is zero.

3765. Creating S-polynomial from the pair (p_{53}, p_{74}).
Skipping pair p_{53} and p_{74} because gcd of their leading monoms is zero.

3766. Creating S-polynomial from the pair (p_{53}, p_{75}).
Skipping pair p_{53} and p_{75} because gcd of their leading monoms is zero.

3767. Creating S-polynomial from the pair (p_{53}, p_{76}).
Skipping pair p_{53} and p_{76} because gcd of their leading monoms is zero.

3768. Creating S-polynomial from the pair (p_{53}, p_{77}).
Skipping pair p_{53} and p_{77} because gcd of their leading monoms is zero.

3769. Creating S-polynomial from the pair (p_{53}, p_{78}).
Skipping pair p_{53} and p_{78} because gcd of their leading monoms is zero.

3770. Creating S-polynomial from the pair (p_{53}, p_{79}).
Skipping pair p_{53} and p_{79} because gcd of their leading monoms is zero.

3771. Creating S-polynomial from the pair (p_{53}, p_{80}).
Skipping pair p_{53} and p_{80} because gcd of their leading monoms is zero.

3772. Creating S-polynomial from the pair (p_{53}, p_{81}).

Forming S-pol of p_{53} and p_{81}:

$$p_{871} = -4096u_6u_3^{14}u_1^{12}x_8x_6 + 2048u_6u_3^{15}u_1^{11}x_8x_4+$$
$$(-1024u_6u_5u_3^{16}u_1^{10} + 4096u_6u_5u_3^{14}u_1^{12})x_8-$$
$$1024u_6u_5u_3^{15}u_1^{10}x_5x_2 + 512u_6u_5u_3^{17}u_1^{9}x_5-$$
$$512u_6^2u_5u_3^{16}u_1^{9}x_2$$

Reduced to zero.

3773. Creating S-polynomial from the pair (p_{53}, p_{82}).

Skipping pair p_{53} and p_{82} because gcd of their leading monoms is zero.

3774. Creating S-polynomial from the pair (p_{53}, p_{83}).

Forming S-pol of p_{53} and p_{83}:

$$p_{872} = -2097152u_5u_3^{23}u_1^{21}x_8^2x_4 - 1048576u_5^2u_3^{24}u_1^{20}x_8^2+$$
$$4194304u_6u_3^{22}u_1^{22}x_8x_6^2+$$
$$(2097152u_6u_5u_3^{24}u_1^{20} - 4194304u_6u_5u_3^{22}u_1^{22})x_8x_6+$$
$$1048576u_5u_3^{24}u_1^{20}x_8x_5x_4 + 524288u_5^2u_3^{25}u_1^{19}x_8x_5+$$
$$(-524288u_6u_5u_3^{25}u_1^{19} - 2097152u_6u_3^{24}u_1^{21})x_8x_4+$$
$$1048576u_6u_5^2u_3^{24}u_1^{20}x_8 + 1048576u_6u_5u_3^{23}u_1^{20}x_6x_5x_2-$$
$$524288u_6u_5u_3^{25}u_1^{19}x_6x_5 + 524288u_6^2u_5u_3^{24}u_1^{19}x_6x_2$$

Reduced to zero.

3775. Creating S-polynomial from the pair (p_{53}, p_{84}).

Forming S-pol of p_{53} and p_{84}:

$$p_{873} = -512u_5u_3^{12}u_1^{9}x_8^2 + 512u_6u_3^{12}u_1^{9}x_8x_6 + 256u_5u_3^{13}u_1^{8}x_8x_5-$$
$$512u_6u_3^{11}u_1^{9}x_8x_4x_2 - 256u_6u_5u_3^{12}u_1^{8}x_8x_2+$$
$$512u_6u_3^{11}u_1^{9}x_6x_5x_2 - 256u_6u_3^{13}u_1^{8}x_6x_5+$$
$$256u_6^2u_3^{12}u_1^{8}x_6x_2$$

Reduced to zero.

3776. Creating S-polynomial from the pair (p_{53}, p_{85}).

Forming S-pol of p_{53} and p_{85}:

$$p_{874} = 1024u_3^{11}u_1^{10}x_8^2x_4 + 2048u_5u_3^{10}u_1^{11}x_8^2 - 1024u_3^{11}u_1^{10}x_8x_6x_5-$$
$$2048u_6u_3^{10}u_1^{11}x_8x_6 - 512u_5u_3^{11}u_1^{9}x_8x_5x_2 + 256u_6u_3^{13}u_1^{8}x_8x_4-$$
$$256u_6u_5u_3^{12}u_1^{8}x_8x_2 + 512u_6u_3^{11}u_1^{9}x_6x_5x_2-$$
$$256u_6u_3^{13}u_1^{8}x_6x_5 + 256u_6^2u_3^{12}u_1^{8}x_6x_2$$

Reduced to zero.

3777. Creating S-polynomial from the pair (p_{53}, p_{86}).

Forming S-pol of p_{53} and p_{86}:

$$p_{875} = -4096u_3^{18}u_1^{12}x_8x_6x_5 + (16384u_3^{15}u_1^{14} - 8192u_3^{15}u_1^{13})x_8x_5x_4x_2+$$
$$(2048u_3^{19}u_1^{11} - 8192u_3^{17}u_1^{13})x_8x_5x_4 - 2048u_5u_3^{18}u_1^{11}x_8x_5x_2+$$
$$4096u_5u_3^{18}u_1^{12}x_8x_5+$$
$$(2048u_6u_3^{18}u_1^{11} + 8192u_6u_3^{16}u_1^{13} - 4096u_6u_3^{16}u_1^{12})x_8x_4x_2+$$
$$(-1024u_6u_3^{20}u_1^{10} + 2048u_6u_3^{18}u_1^{11} - 8192u_6u_3^{16}u_1^{13})x_8x_4+$$
$$(-1024u_6u_3^{19}u_1^{10} + 2048u_6u_3^{17}u_1^{11})x_5x_4x_2+$$
$$(512u_6u_3^{21}u_1^{9} - 1024u_6u_3^{19}u_1^{10})x_5x_4+$$
$$(-512u_6^2u_3^{20}u_1^{9} + 1024u_6^2u_3^{18}u_1^{10})x_4x_2$$

S-pol added.

3778. Creating S-polynomial from the pair (p_{53}, p_{87}).

Forming S-pol of p_{53} and p_{87}:

$$p_{876} = -32u_6u_3^{10}u_1^5x_8x_2 + 16u_6u_3^{12}u_1^4x_8 + 16u_6u_3^{11}u_1^4x_5x_2-$$
$$8u_6u_3^{13}u_1^3x_5 + 8u_6^2u_3^{12}u_1^3x_2$$

Reduced to zero.

3779. Creating S-polynomial from the pair (p_{53}, p_{88}).

Skipping pair p_{53} and p_{88} because gcd of their leading monoms is zero.

3780. Creating S-polynomial from the pair (p_{53}, p_{89}).

Skipping pair p_{53} and p_{89} because gcd of their leading monoms is zero.

3781. Creating S-polynomial from the pair (p_{53}, p_{90}).

Skipping pair p_{53} and p_{90} because gcd of their leading monoms is zero.

3782. Creating S-polynomial from the pair (p_{53}, p_{91}).

Skipping pair p_{53} and p_{91} because gcd of their leading monoms is zero.

3783. Creating S-polynomial from the pair (p_{53}, p_{92}).

Skipping pair p_{53} and p_{92} because gcd of their leading monoms is zero.

3784. Creating S-polynomial from the pair (p_{53}, p_{93}).

Skipping pair p_{53} and p_{93} because gcd of their leading monoms is zero.

3785. Creating S-polynomial from the pair (p_{53}, p_{94}).

Skipping pair p_{53} and p_{94} because gcd of their leading monoms is zero.

3786. Creating S-polynomial from the pair (p_{53}, p_{95}).

Forming S-pol of p_{53} and p_{95}:

$$p_{877} = 2097152u_5u_3^{21}u_1^{21}x_8^2x_6+$$
$$(4194304u_5u_3^{20}u_1^{22} + 4194304u_3^{21}u_1^{22})x_8^2x_4+$$
$$(524288u_5^2u_3^{23}u_1^{19} - 2097152u_5^2u_3^{21}u_1^{21})x_8^2-$$
$$2097152u_6u_3^{21}u_1^{21}x_8x_6^2 - 2097152u_3^{21}u_1^{21}x_8x_6x_5x_4-$$
$$1048576u_5u_3^{22}u_1^{20}x_8x_6x_5+$$
$$(1048576u_6u_3^{22}u_1^{20} - 4194304u_6u_3^{20}u_1^{22})x_8x_6x_4-$$
$$524288u_6u_5u_3^{23}u_1^{19}x_8x_6 - 1048576u_5u_3^{21}u_1^{20}x_8x_5x_4x_2-$$
$$262144u_5^2u_3^{24}u_1^{18}x_8x_5 - 524288u_6u_5u_3^{22}u_1^{19}x_8x_4x_2+$$
$$(262144u_6u_5u_3^{24}u_1^{18} + 1048576u_6u_3^{23}u_1^{20})x_8x_4-$$
$$524288u_6u_5^2u_3^{23}u_1^{19}x_8 + 1048576u_6u_3^{21}u_1^{20}x_6x_5x_4x_2-$$
$$524288u_6u_3^{23}u_1^{19}x_6x_5x_4 + 524288u_6^2u_3^{22}u_1^{19}x_6x_4x_2$$

Reduced to zero.

3787. Creating S-polynomial from the pair (p_{53}, p_{96}).

Forming S-pol of p_{53} and p_{96}:

$$p_{878} = 256u_5u_3^8u_1^8x_8^2 - 128u_3^9u_1^7x_8x_6x_5 - 256u_6u_3^8u_1^8x_8x_6+$$
$$64u_3^{10}u_1^6x_8x_5x_4 - 64u_5u_3^9u_1^6x_8x_5x_2 + 64u_6u_3^9u_1^6x_8x_4x_2+$$
$$(-32u_6u_3^{11}u_1^5 + 128u_6u_3^9u_1^7)x_8x_4 - 32u_6u_3^{10}u_1^5x_5x_4x_2+$$
$$16u_6u_3^{12}u_1^4x_5x_4 - 16u_6^2u_3^{11}u_1^4x_4x_2$$

Reduced to zero.

3788. Creating S-polynomial from the pair (p_{53}, p_{97}).

Forming S-pol of p_{53} and p_{97}:

$$p_{879} = -2048u_3^{17}u_1^{11}x_8x_6x_5 + (8192u_3^{14}u_1^{13} - 4096u_3^{14}u_1^{12})x_8x_5x_4x_2+$$
$$(1024u_3^{18}u_1^{10} - 4096u_3^{16}u_1^{12})x_8x_5x_4 - 1024u_5u_3^{17}u_1^{10}x_8x_5x_2+$$
$$2048u_5u_3^{17}u_1^{11}x_8x_5 + (1024u_6u_3^{17}u_1^{10} + 4096u_6u_3^{15}u_1^{12})x_8x_4x_2+$$
$$(-512u_6u_3^{19}u_1^9 - 4096u_6u_3^{15}u_1^{12})x_8x_4 - 512u_6u_3^{18}u_1^9x_5x_4x_2+$$
$$256u_6u_3^{20}u_1^8x_5x_4 - 256u_6^2u_3^{19}u_1^8x_4x_2$$

S-pol added.

3789. Creating S-polynomial from the pair (p_{53}, p_{98}).

Forming S-pol of p_{53} and p_{98}: Polynomial too big for output (text size is 2726 characters, number of terms is 30)

Reduced to zero.

3790. Creating S-polynomial from the pair (p_{53}, p_{99}).

Forming S-pol of p_{53} and p_{99}: Polynomial too big for output (text size is 2730 characters, number of terms is 30)

Reduced to zero.

3791. Creating S-polynomial from the pair (p_{53}, p_{100}).

Skipping pair p_{53} and p_{100} because gcd of their leading monoms is zero.

3792. Creating S-polynomial from the pair (p_{53}, p_{101}).

Skipping pair p_{53} and p_{101} because gcd of their leading monoms is zero.

3793. Creating S-polynomial from the pair (p_{53}, p_{102}).

Skipping pair p_{53} and p_{102} because gcd of their leading monoms is zero.

3794. Creating S-polynomial from the pair (p_{53}, p_{103}).

Skipping pair p_{53} and p_{103} because gcd of their leading monoms is zero.

3795. Creating S-polynomial from the pair (p_{53}, p_{104}).

Skipping pair p_{53} and p_{104} because gcd of their leading monoms is zero.

3796. Creating S-polynomial from the pair (p_{53}, p_{105}).

Skipping pair p_{53} and p_{105} because gcd of their leading monoms is zero.

3797. Creating S-polynomial from the pair (p_{53}, p_{106}).

Skipping pair p_{53} and p_{106} because gcd of their leading monoms is zero.

3798. Creating S-polynomial from the pair (p_{54}, p_{55}).

Forming S-pol of p_{54} and p_{55}:

$$p_{880} = (-8192u_2^{24}u_1^{13} - 32768u_2^{22}u_1^{15})x_{12}x_{10}x_4+$$
$$(4096u_5u_2^{24}u_1^{12} + 32768u_5u_2^{22}u_1^{14} + 65536u_5u_2^{20}u_1^{16})x_{12}x_4x_1+$$
$$(-2048u_5u_2^{26}u_1^{11} - 16384u_5u_2^{24}u_1^{13} - 32768u_5u_2^{22}u_1^{15})x_{12}x_4+$$
$$(2048u_5^2u_2^{25}u_1^{11} + 16384u_5^2u_2^{23}u_1^{13} + 32768u_5^2u_2^{21}u_1^{15})x_{12}x_1+$$
$$(8192u_2^{24}u_1^{13} + 32768u_2^{22}u_1^{15})x_{10}^2x_5+$$
$$(-16384u_5u_2^{22}u_1^{14} - 65536u_5u_2^{20}u_1^{16})x_{10}x_5x_1+$$
$$(2048u_5u_2^{26}u_1^{11} + 8192u_5u_2^{24}u_1^{13})x_{10}x_5+$$
$$(-4096u_6u_2^{24}u_1^{12} - 16384u_6u_2^{22}u_1^{14})x_{10}x_4x_1+$$
$$(8192u_6u_2^{24}u_1^{13} + 32768u_6u_2^{22}u_1^{15})x_{10}x_4+$$
$$(-2048u_6u_5u_2^{25}u_1^{11} - 16384u_6u_5u_2^{23}u_1^{13} - 32768u_6u_5u_2^{21}u_1^{15})x_{10}x_1$$

Reduced to zero.

3799. Creating S-polynomial from the pair (p_{54}, p_{56}).

Forming S-pol of p_{54} and p_{56}:

$$p_{881} = 0$$

Reduced to zero.

3800. Creating S-polynomial from the pair (p_{54}, p_{57}).

Forming S-pol of p_{54} and p_{57}: Polynomial too big for output (text size is 1714 characters, number of terms is 16)

Reduced to zero.

3801. Creating S-polynomial from the pair (p_{54}, p_{58}).

Forming S-pol of p_{54} and p_{58}:

$$p_{882} = (-512u_5u_2^{18}u_1^9 - 2048u_5u_2^{16}u_1^{11})x_{12}x_{10}+$$
$$(-512u_5u_2^{17}u_1^9 - 2048u_5u_2^{15}u_1^{11})x_{12}x_4x_1+$$
$$(256u_5u_2^{19}u_1^8 + 1024u_5u_2^{17}u_1^{10})x_{12}x_4+$$
$$(-256u_5^2u_2^{18}u_1^8 - 1024u_5^2u_2^{16}u_1^{10})x_{12}x_1+$$
$$(512u_6u_2^{18}u_1^9 + 2048u_6u_2^{16}u_1^{11})x_{10}^2+$$
$$(512u_5u_2^{17}u_1^9 + 2048u_5u_2^{15}u_1^{11})x_{10}x_5x_1+$$
$$(-256u_6u_2^{19}u_1^8 - 1024u_6u_2^{17}u_1^{10})x_{10}x_4+$$
$$(256u_6u_5u_2^{18}u_1^8 + 1024u_6u_5u_2^{16}u_1^{10})x_{10}x_1$$

Reduced to zero.

3802. Creating S-polynomial from the pair (p_{54}, p_{59}).

Forming S-pol of p_{54} and p_{59}:

$$p_{883} = (-8192u_2^{21}u_1^{13} - 32768u_2^{19}u_1^{15})x_{12}x_{10}x_4+$$
$$(-16384u_5u_2^{20}u_1^{14} - 65536u_5u_2^{18}u_1^{16})x_{12}x_{10}+$$
$$(1024u_5u_2^{23}u_1^{10} + 8192u_5u_2^{21}u_1^{12} + 16384u_5u_2^{19}u_1^{14})x_{12}x_4x_1+$$
$$(-512u_5u_2^{25}u_1^9 - 4096u_5u_2^{23}u_1^{11} - 8192u_5u_2^{21}u_1^{13})x_{12}x_4+$$
$$(512u_5^2u_2^{24}u_1^9 + 4096u_5^2u_2^{22}u_1^{11} + 8192u_5^2u_2^{20}u_1^{13})x_{12}x_1+$$
$$(8192u_2^{21}u_1^{13} + 32768u_2^{19}u_1^{15})x_{10}^2x_5+$$
$$(16384u_6u_2^{20}u_1^{14} + 65536u_6u_2^{18}u_1^{16})x_{10}^2+$$
$$(-1024u_5u_2^{23}u_1^{10} - 4096u_5u_2^{21}u_1^{12})x_{10}x_5x_1+$$
$$(512u_5u_2^{25}u_1^9 + 4096u_5u_2^{23}u_1^{11} + 8192u_5u_2^{21}u_1^{13})x_{10}x_5+$$
$$(-4096u_6u_2^{21}u_1^{12} - 16384u_6u_2^{19}u_1^{14})x_{10}x_4x_1+$$
$$(-512u_6u_5u_2^{24}u_1^9 - 4096u_6u_5u_2^{22}u_1^{11} - 8192u_6u_5u_2^{20}u_1^{13})x_{10}x_1$$

Reduced to zero.

3803. Creating S-polynomial from the pair (p_{54}, p_{60}).

Skipping pair p_{54} and p_{60} because gcd of their leading monoms is zero.

3804. Creating S-polynomial from the pair (p_{54}, p_{61}).

Forming S-pol of p_{54} and p_{61}:

$$p_{884} = (1024u_2^{17}u_1^{10} + 4096u_2^{15}u_1^{12})x_{12}x_{10}x_4+$$
$$(2048u_5u_2^{16}u_1^{11} + 8192u_5u_2^{14}u_1^{13})x_{12}x_{10}+$$
$$(-512u_5u_2^{17}u_1^{9} - 2048u_5u_2^{15}u_1^{11})x_{12}x_4x_1+$$
$$(256u_5u_2^{19}u_1^{8} + 1024u_5u_2^{17}u_1^{10})x_{12}x_4+$$
$$(-256u_5^2u_2^{18}u_1^{8} - 1024u_5^2u_2^{16}u_1^{10})x_{12}x_1+$$
$$(-1024u_2^{17}u_1^{10} - 4096u_2^{15}u_1^{12})x_{10}^2x_5+$$
$$(-2048u_6u_2^{16}u_1^{11} - 8192u_6u_2^{14}u_1^{13})x_{10}^2+$$
$$(-256u_5u_2^{19}u_1^{8} - 1024u_5u_2^{17}u_1^{10})x_{10}x_5+$$
$$(512u_6u_2^{17}u_1^{9} + 2048u_6u_2^{15}u_1^{11})x_{10}x_4x_1+$$
$$(256u_6u_5u_2^{18}u_1^{8} + 1024u_6u_5u_2^{16}u_1^{10})x_{10}x_1$$

Reduced to zero.

3805. Creating S-polynomial from the pair (p_{54}, p_{62}).

Skipping pair p_{54} and p_{62} because gcd of their leading monoms is zero.

3806. Creating S-polynomial from the pair (p_{54}, p_{63}).

Skipping pair p_{54} and p_{63} because gcd of their leading monoms is zero.

3807. Creating S-polynomial from the pair (p_{54}, p_{64}).

Skipping pair p_{54} and p_{64} because gcd of their leading monoms is zero.

3808. Creating S-polynomial from the pair (p_{54}, p_{65}).

Skipping pair p_{54} and p_{65} because gcd of their leading monoms is zero.

3809. Creating S-polynomial from the pair (p_{54}, p_{66}).

Skipping pair p_{54} and p_{66} because gcd of their leading monoms is zero.

3810. Creating S-polynomial from the pair (p_{54}, p_{67}).

Skipping pair p_{54} and p_{67} because gcd of their leading monoms is zero.

3811. Creating S-polynomial from the pair (p_{54}, p_{68}).

Skipping pair p_{54} and p_{68} because gcd of their leading monoms is zero.

3812. Creating S-polynomial from the pair (p_{54}, p_{69}).

Skipping pair p_{54} and p_{69} because gcd of their leading monoms is zero.

3813. Creating S-polynomial from the pair (p_{54}, p_{70}).

Skipping pair p_{54} and p_{70} because gcd of their leading monoms is zero.

3814. Creating S-polynomial from the pair (p_{54}, p_{71}).

Skipping pair p_{54} and p_{71} because gcd of their leading monoms is zero.

3815. Creating S-polynomial from the pair (p_{54}, p_{72}).

Skipping pair p_{54} and p_{72} because gcd of their leading monoms is zero.

3816. Creating S-polynomial from the pair (p_{54}, p_{73}).

Skipping pair p_{54} and p_{73} because gcd of their leading monoms is zero.

3817. Creating S-polynomial from the pair (p_{54}, p_{74}).

Skipping pair p_{54} and p_{74} because gcd of their leading monoms is zero.

3818. Creating S-polynomial from the pair (p_{54}, p_{75}).

Forming S-pol of p_{54} and p_{75}:

$$p_{885} = (64u_5u_2^{16}u_1^6 + 256u_5u_2^{14}u_1^8)x_{10}x_1+$$
$$(-32u_5u_2^{18}u_1^5 - 128u_5u_2^{16}u_1^7)x_{10}+$$
$$(-32u_5u_2^{17}u_1^5 - 128u_5u_2^{15}u_1^7)x_4x_1+$$
$$(16u_5u_2^{19}u_1^4 + 64u_5u_2^{17}u_1^6)x_4+$$
$$(-16u_5^2u_2^{18}u_1^4 - 64u_5^2u_2^{16}u_1^6)x_1$$

Reduced to zero.

3819. Creating S-polynomial from the pair (p_{54}, p_{76}).

Forming S-pol of p_{54} and p_{76}: Polynomial too big for output (text size is 1119 characters, number of terms is 12)

Reduced to zero.

3820. Creating S-polynomial from the pair (p_{54}, p_{77}).

Forming S-pol of p_{54} and p_{77}:

$$p_{886} = (2048u_2^{17}u_1^{11} + 8192u_2^{15}u_1^{13})x_{12}x_{10}x_4+$$
$$(4096u_5u_2^{16}u_1^{12} + 16384u_5u_2^{14}u_1^{14})x_{12}x_{10}+$$
$$(-1024u_5u_2^{17}u_1^{10} - 4096u_5u_2^{15}u_1^{12})x_{12}x_4x_1+$$
$$(512u_5u_2^{19}u_1^9 + 2048u_5u_2^{17}u_1^{11})x_{12}x_4+$$
$$(-512u_5^2u_2^{18}u_1^9 - 2048u_5^2u_2^{16}u_1^{11})x_{12}x_1+$$
$$(-2048u_2^{17}u_1^{11} - 8192u_2^{15}u_1^{13})x_{10}^2x_5+$$
$$(-4096u_6u_2^{16}u_1^{12} - 16384u_6u_2^{14}u_1^{14})x_{10}^2+$$
$$(-512u_5u_2^{19}u_1^9 - 2048u_5u_2^{17}u_1^{11})x_{10}x_5+$$
$$(1024u_6u_2^{17}u_1^{10} + 4096u_6u_2^{15}u_1^{12})x_{10}x_4x_1+$$
$$(512u_6u_5u_2^{18}u_1^9 + 2048u_6u_5u_2^{16}u_1^{11})x_{10}x_1$$

Reduced to zero.

3821. Creating S-polynomial from the pair (p_{54}, p_{78}).

Forming S-pol of p_{54} and p_{78}:

$$p_{887} = (-1024u_5u_2^{18}u_1^{10} - 4096u_5u_2^{16}u_1^{12})x_{12}x_{10}+$$
$$(-1024u_5u_2^{17}u_1^{10} - 4096u_5u_2^{15}u_1^{12})x_{12}x_4x_1+$$
$$(512u_5u_2^{19}u_1^{9} + 2048u_5u_2^{17}u_1^{11})x_{12}x_4+$$
$$(-512u_5^2u_2^{18}u_1^{9} - 2048u_5^2u_2^{16}u_1^{11})x_{12}x_1+$$
$$(1024u_6u_2^{18}u_1^{10} + 4096u_6u_2^{16}u_1^{12})x_{10}^2+$$
$$(1024u_5u_2^{17}u_1^{10} + 4096u_5u_2^{15}u_1^{12})x_{10}x_5x_1+$$
$$(-512u_6u_2^{19}u_1^{9} - 2048u_6u_2^{17}u_1^{11})x_{10}x_4+$$
$$(512u_6u_5u_2^{18}u_1^{9} + 2048u_6u_5u_2^{16}u_1^{11})x_{10}x_1$$

Reduced to zero.

3822. Creating S-polynomial from the pair (p_{54}, p_{79}).

Skipping pair p_{54} and p_{79} because gcd of their leading monoms is zero.

3823. Creating S-polynomial from the pair (p_{54}, p_{80}).

Skipping pair p_{54} and p_{80} because gcd of their leading monoms is zero.

3824. Creating S-polynomial from the pair (p_{54}, p_{81}).

Skipping pair p_{54} and p_{81} because gcd of their leading monoms is zero.

3825. Creating S-polynomial from the pair (p_{54}, p_{82}).

Skipping pair p_{54} and p_{82} because gcd of their leading monoms is zero.

3826. Creating S-polynomial from the pair (p_{54}, p_{83}).

Skipping pair p_{54} and p_{83} because gcd of their leading monoms is zero.

3827. Creating S-polynomial from the pair (p_{54}, p_{84}).

Skipping pair p_{54} and p_{84} because gcd of their leading monoms is zero.

3828. Creating S-polynomial from the pair (p_{54}, p_{85}).

Skipping pair p_{54} and p_{85} because gcd of their leading monoms is zero.

3829. Creating S-polynomial from the pair (p_{54}, p_{86}).

Skipping pair p_{54} and p_{86} because gcd of their leading monoms is zero.

3830. Creating S-polynomial from the pair (p_{54}, p_{87}).

Skipping pair p_{54} and p_{87} because gcd of their leading monoms is zero.

3831. Creating S-polynomial from the pair (p_{54}, p_{88}).

Skipping pair p_{54} and p_{88} because gcd of their leading monoms is zero.

3832. Creating S-polynomial from the pair (p_{54}, p_{89}).

Skipping pair p_{54} and p_{89} because gcd of their leading monoms is zero.

3833. Creating S-polynomial from the pair (p_{54}, p_{90}).

Skipping pair p_{54} and p_{90} because gcd of their leading monoms is zero.

3834. Creating S-polynomial from the pair (p_{54}, p_{91}).

Skipping pair p_{54} and p_{91} because gcd of their leading monoms is zero.

3835. Creating S-polynomial from the pair (p_{54}, p_{92}).

Skipping pair p_{54} and p_{92} because gcd of their leading monoms is zero.

3836. Creating S-polynomial from the pair (p_{54}, p_{93}).

Skipping pair p_{54} and p_{93} because gcd of their leading monoms is zero.

3837. Creating S-polynomial from the pair (p_{54}, p_{94}).

Skipping pair p_{54} and p_{94} because gcd of their leading monoms is zero.

3838. Creating S-polynomial from the pair (p_{54}, p_{95}).

Skipping pair p_{54} and p_{95} because gcd of their leading monoms is zero.

3839. Creating S-polynomial from the pair (p_{54}, p_{96}).

Skipping pair p_{54} and p_{96} because gcd of their leading monoms is zero.

3840. Creating S-polynomial from the pair (p_{54}, p_{97}).

Skipping pair p_{54} and p_{97} because gcd of their leading monoms is zero.

3841. Creating S-polynomial from the pair (p_{54}, p_{98}).

Skipping pair p_{54} and p_{98} because gcd of their leading monoms is zero.

3842. Creating S-polynomial from the pair (p_{54}, p_{99}).

Skipping pair p_{54} and p_{99} because gcd of their leading monoms is zero.

3843. Creating S-polynomial from the pair (p_{54}, p_{100}).

Forming S-pol of p_{54} and p_{100}: Polynomial too big for output (text size is 1430 characters, number of terms is 15)

Reduced to zero.

3844. Creating S-polynomial from the pair (p_{54}, p_{101}).

Skipping pair p_{54} and p_{101} because gcd of their leading monoms is zero.

3845. Creating S-polynomial from the pair (p_{54}, p_{102}).

Skipping pair p_{54} and p_{102} because gcd of their leading monoms is zero.

3846. Creating S-polynomial from the pair (p_{54}, p_{103}).

Skipping pair p_{54} and p_{103} because gcd of their leading monoms is zero.

3847. Creating S-polynomial from the pair (p_{54}, p_{104}).

Skipping pair p_{54} and p_{104} because gcd of their leading monoms is zero.

3848. Creating S-polynomial from the pair (p_{54}, p_{105}).

Skipping pair p_{54} and p_{105} because gcd of their leading monoms is zero.

3849. Creating S-polynomial from the pair (p_{54}, p_{106}).

Skipping pair p_{54} and p_{106} because gcd of their leading monoms is zero.

3850. Creating S-polynomial from the pair (p_{55}, p_{56}).

Forming S-pol of p_{55} and p_{56}:

$$p_{888} = -4096u_2^{18}u_1^{12}x_{12}x_{10}x_4 + (2048u_5u_2^{18}u_1^{11} + 8192u_5u_2^{16}u_1^{13})x_{12}x_4x_1+$$
$$(-1024u_5u_2^{20}u_1^{10} - 4096u_5u_2^{18}u_1^{12})x_{12}x_4+$$
$$(1024u_5^2u_2^{19}u_1^{10} + 4096u_5^2u_2^{17}u_1^{12})x_{12}x_1 + 4096u_2^{18}u_1^{12}x_{10}^2x_5-$$
$$8192u_5u_2^{16}u_1^{13}x_{10}x_5x_1 + 1024u_5u_2^{20}u_1^{10}x_{10}x_5-$$
$$2048u_6u_2^{18}u_1^{11}x_{10}x_4x_1 + 4096u_6u_2^{18}u_1^{12}x_{10}x_4+$$
$$(-1024u_6u_5u_2^{19}u_1^{10} - 4096u_6u_5u_2^{17}u_1^{12})x_{10}x_1$$

Reduced to zero.

3851. Creating S-polynomial from the pair (p_{55}, p_{57}).

Forming S-pol of p_{55} and p_{57}: Polynomial too big for output (text size is 1606 characters, number of terms is 17)

Reduced to zero.

3852. Creating S-polynomial from the pair (p_{55}, p_{58}).

Forming S-pol of p_{55} and p_{58}:

$$p_{889} = -65536u_2^{20}u_1^{16}x_{12}x_{10}x_4+$$
$$(-32768u_5u_2^{21}u_1^{15} - 131072u_5u_2^{19}u_1^{17})x_{12}x_{10} + 65536u_2^{20}u_1^{16}x_{10}^2x_5+$$
$$(32768u_6u_2^{21}u_1^{15} + 131072u_6u_2^{19}u_1^{17})x_{10}^2 + 32768u_5u_2^{20}u_1^{15}x_{10}x_5x_1+$$
$$16384u_5u_2^{22}u_1^{14}x_{10}x_5 - 32768u_6u_2^{20}u_1^{15}x_{10}x_4x_1-$$
$$16384u_6u_2^{22}u_1^{14}x_{10}x_4$$

Reduced to zero.

3853. Creating S-polynomial from the pair (p_{55}, p_{59}).

Forming S-pol of p_{55} and p_{59}:

$$p_{890} = (131072u_2^{26}u_1^{17} - 2097152u_2^{22}u_1^{21})x_{12}x_{10}x_4+$$
$$(-1048576u_5u_2^{23}u_1^{20} - 4194304u_5u_2^{21}u_1^{22})x_{12}x_{10}+$$
$$(-131072u_2^{26}u_1^{17} + 2097152u_2^{22}u_1^{21})x_{10}^2x_5+$$
$$(1048576u_6u_2^{23}u_1^{20} + 4194304u_6u_2^{21}u_1^{22})x_{10}^2+$$
$$(-65536u_5u_2^{26}u_1^{16} + 1048576u_5u_2^{22}u_1^{20})x_{10}x_5x_1+$$
$$(131072u_5u_2^{26}u_1^{17} + 524288u_5u_2^{24}u_1^{19})x_{10}x_5+$$
$$(65536u_6u_2^{26}u_1^{16} - 1048576u_6u_2^{22}u_1^{20})x_{10}x_4x_1+$$
$$(-131072u_6u_2^{26}u_1^{17} - 524288u_6u_2^{24}u_1^{19})x_{10}x_4$$

Reduced to zero.

3854. Creating S-polynomial from the pair (p_{55}, p_{60}).

Forming S-pol of p_{55} and p_{60}: Polynomial too big for output (text size is 1180 characters, number of terms is 12)

Reduced to zero.

3855. Creating S-polynomial from the pair (p_{55}, p_{61}).

Forming S-pol of p_{55} and p_{61}:

$$p_{891} = 262144u_2^{18}u_1^{18}x_{12}x_{10}x_4+$$
$$(131072u_5u_2^{19}u_1^{17} + 524288u_5u_2^{17}u_1^{19})x_{12}x_{10} - 262144u_2^{18}u_1^{18}x_{10}^2x_5+$$
$$(-131072u_6u_2^{19}u_1^{17} - 524288u_6u_2^{17}u_1^{19})x_{10}^2-$$
$$131072u_5u_2^{18}u_1^{17}x_{10}x_5x_1 - 65536u_5u_2^{20}u_1^{16}x_{10}x_5+$$
$$131072u_6u_2^{18}u_1^{17}x_{10}x_4x_1 + 65536u_6u_2^{20}u_1^{16}x_{10}x_4$$

Reduced to zero.

3856. Creating S-polynomial from the pair (p_{55}, p_{62}).

Forming S-pol of p_{55} and p_{62}: Polynomial too big for output (text size is 1893 characters, number of terms is 18)

Reduced to zero.

3857. Creating S-polynomial from the pair (p_{55}, p_{63}).

Forming S-pol of p_{55} and p_{63}:

$$p_{892} = 16384u_2^{16}u_1^{14}x_{12}^2x_4+$$
$$(-2048u_5u_2^{19}u_1^{11} + 32768u_5u_2^{15}u_1^{15})x_{12}^2 - 16384u_2^{16}u_1^{14}x_{12}x_{10}x_5+$$
$$(2048u_6u_2^{19}u_1^{11} - 32768u_6u_2^{15}u_1^{15})x_{12}x_{10} - 8192u_5u_2^{16}u_1^{13}x_{12}x_5x_1+$$
$$1024u_5u_2^{20}u_1^{10}x_{12}x_5 - 2048u_6u_2^{18}u_1^{11}x_{12}x_4x_1+$$
$$4096u_6u_2^{18}u_1^{12}x_{12}x_4+$$
$$(-1024u_6u_5u_2^{19}u_1^{10} - 4096u_6u_5u_2^{17}u_1^{12})x_{12}x_1+$$
$$(2048u_6u_2^{18}u_1^{11} + 8192u_6u_2^{16}u_1^{13})x_{10}x_5x_1+$$
$$(-1024u_6u_2^{20}u_1^{10} - 4096u_6u_2^{18}u_1^{12})x_{10}x_5+$$
$$(1024u_6^2u_2^{19}u_1^{10} + 4096u_6^2u_2^{17}u_1^{12})x_{10}x_1$$

Reduced to zero.

3858. Creating S-polynomial from the pair (p_{55}, p_{64}).

Skipping pair p_{55} and p_{64} because gcd of their leading monoms is zero.

3859. Creating S-polynomial from the pair (p_{55}, p_{65}).

Skipping pair p_{55} and p_{65} because gcd of their leading monoms is zero.

3860. Creating S-polynomial from the pair (p_{55}, p_{66}).

Skipping pair p_{55} and p_{66} because gcd of their leading monoms is zero.

3861. Creating S-polynomial from the pair (p_{55}, p_{67}).
Skipping pair p_{55} and p_{67} because gcd of their leading monoms is zero.

3862. Creating S-polynomial from the pair (p_{55}, p_{68}).
Skipping pair p_{55} and p_{68} because gcd of their leading monoms is zero.

3863. Creating S-polynomial from the pair (p_{55}, p_{69}).
Skipping pair p_{55} and p_{69} because gcd of their leading monoms is zero.

3864. Creating S-polynomial from the pair (p_{55}, p_{70}).
Skipping pair p_{55} and p_{70} because gcd of their leading monoms is zero.

3865. Creating S-polynomial from the pair (p_{55}, p_{71}).
Skipping pair p_{55} and p_{71} because gcd of their leading monoms is zero.

3866. Creating S-polynomial from the pair (p_{55}, p_{72}).
Skipping pair p_{55} and p_{72} because gcd of their leading monoms is zero.

3867. Creating S-polynomial from the pair (p_{55}, p_{73}).
Skipping pair p_{55} and p_{73} because gcd of their leading monoms is zero.

3868. Creating S-polynomial from the pair (p_{55}, p_{74}).
Forming S-pol of p_{55} and p_{74}:

$$p_{893} = -1048576u_5u_2^{22}u_1^{20}x_{12}x_4+$$
$$(131072u_5^2u_2^{25}u_1^{17} - 2097152u_5^2u_2^{21}u_1^{21})x_{12}+$$
$$(524288u_6u_2^{23}u_1^{19} + 2097152u_6u_2^{21}u_1^{21})x_{10}^2 + 1048576u_5u_2^{22}u_1^{20}x_{10}x_5+$$
$$(-262144u_6u_2^{24}u_1^{18} - 1048576u_6u_2^{22}u_1^{20})x_{10}x_4+$$
$$524288u_5^2u_2^{22}u_1^{19}x_5x_1 - 65536u_5^2u_2^{26}u_1^{16}x_5+$$
$$131072u_6u_5u_2^{24}u_1^{17}x_4x_1 - 262144u_6u_5u_2^{24}u_1^{18}x_4+$$
$$(65536u_6u_5^2u_2^{25}u_1^{16} + 262144u_6u_5^2u_2^{23}u_1^{18})x_1$$

Reduced to zero.

3869. Creating S-polynomial from the pair (p_{55}, p_{75}).
Forming S-pol of p_{55} and p_{75}:

$$p_{894} = -4096u_2^{20}u_1^{12}x_{12}x_4 + (4096u_5u_2^{19}u_1^{12} + 16384u_5u_2^{17}u_1^{14})x_{12}x_1+$$
$$(-2048u_5u_2^{21}u_1^{11} - 8192u_5u_2^{19}u_1^{13})x_{12} + 4096u_2^{20}u_1^{12}x_{10}x_5-$$
$$8192u_5u_2^{18}u_1^{13}x_5x_1 + 1024u_5u_2^{22}u_1^{10}x_5 - 2048u_6u_2^{20}u_1^{11}x_4x_1+$$
$$4096u_6u_2^{20}u_1^{12}x_4 + (-1024u_6u_5u_2^{21}u_1^{10} - 4096u_6u_5u_2^{19}u_1^{12})x_1$$

Reduced to zero.

3870. Creating S-polynomial from the pair (p_{55}, p_{76}).

Forming S-pol of p_{55} and p_{76}: Polynomial too big for output (text size is 1022 characters, number of terms is 12)

Reduced to zero.

3871. Creating S-polynomial from the pair (p_{55}, p_{77}).

Forming S-pol of p_{55} and p_{77}:

$$p_{895} = 524288u_2^{18}u_1^{19}x_{12}x_{10}x_4+$$
$$(262144u_5u_2^{19}u_1^{18} + 1048576u_5u_2^{17}u_1^{20})x_{12}x_{10} - 524288u_2^{18}u_1^{19}x_{10}^2x_5+$$
$$(-262144u_6u_2^{19}u_1^{18} - 1048576u_6u_2^{17}u_1^{20})x_{10}^2-$$
$$262144u_5u_2^{18}u_1^{18}x_{10}x_5x_1 - 131072u_5u_2^{20}u_1^{17}x_{10}x_5+$$
$$262144u_6u_2^{18}u_1^{18}x_{10}x_4x_1 + 131072u_6u_2^{20}u_1^{17}x_{10}x_4$$

Reduced to zero.

3872. Creating S-polynomial from the pair (p_{55}, p_{78}).

Forming S-pol of p_{55} and p_{78}:

$$p_{896} = -131072u_2^{20}u_1^{17}x_{12}x_{10}x_4+$$
$$(-65536u_5u_2^{21}u_1^{16} - 262144u_5u_2^{19}u_1^{18})x_{12}x_{10} + 131072u_2^{20}u_1^{17}x_{10}^2x_5+$$
$$(65536u_6u_2^{21}u_1^{16} + 262144u_6u_2^{19}u_1^{18})x_{10}^2 + 65536u_5u_2^{20}u_1^{16}x_{10}x_5x_1+$$
$$32768u_5u_2^{22}u_1^{15}x_{10}x_5 - 65536u_6u_2^{20}u_1^{16}x_{10}x_4x_1-$$
$$32768u_6u_2^{22}u_1^{15}x_{10}x_4$$

Reduced to zero.

3873. Creating S-polynomial from the pair (p_{55}, p_{79}).

Forming S-pol of p_{55} and p_{79}: Polynomial too big for output (text size is 1450 characters, number of terms is 14)

S-pol added.

3874. Creating S-polynomial from the pair (p_{55}, p_{80}).

Forming S-pol of p_{55} and p_{80}:

$$p_{897} = 16384u_2^{18}u_1^{14}x_{12}x_4+$$
$$(-2048u_5u_2^{21}u_1^{11} + 32768u_5u_2^{17}u_1^{15})x_{12} - 16384u_2^{18}u_1^{14}x_{10}x_5+$$
$$(4096u_6u_2^{19}u_1^{12} + 16384u_6u_2^{17}u_1^{14})x_{10}x_1+$$
$$(-8192u_6u_2^{19}u_1^{13} - 32768u_6u_2^{17}u_1^{15})x_{10} - 8192u_5u_2^{18}u_1^{13}x_5x_1+$$
$$1024u_5u_2^{22}u_1^{10}x_5 - 2048u_6u_2^{20}u_1^{11}x_4x_1 + 4096u_6u_2^{20}u_1^{12}x_4+$$
$$(-1024u_6u_5u_2^{21}u_1^{10} - 4096u_6u_5u_2^{19}u_1^{12})x_1$$

Reduced to zero.

3875. Creating S-polynomial from the pair (p_{55}, p_{81}).
Skipping pair p_{55} and p_{81} because gcd of their leading monoms is zero.

3876. Creating S-polynomial from the pair (p_{55}, p_{82}).
Skipping pair p_{55} and p_{82} because gcd of their leading monoms is zero.

3877. Creating S-polynomial from the pair (p_{55}, p_{83}).
Skipping pair p_{55} and p_{83} because gcd of their leading monoms is zero.

3878. Creating S-polynomial from the pair (p_{55}, p_{84}).
Skipping pair p_{55} and p_{84} because gcd of their leading monoms is zero.

3879. Creating S-polynomial from the pair (p_{55}, p_{85}).
Skipping pair p_{55} and p_{85} because gcd of their leading monoms is zero.

3880. Creating S-polynomial from the pair (p_{55}, p_{86}).
Skipping pair p_{55} and p_{86} because gcd of their leading monoms is zero.

3881. Creating S-polynomial from the pair (p_{55}, p_{87}).
Skipping pair p_{55} and p_{87} because gcd of their leading monoms is zero.

3882. Creating S-polynomial from the pair (p_{55}, p_{88}).
Skipping pair p_{55} and p_{88} because gcd of their leading monoms is zero.

3883. Creating S-polynomial from the pair (p_{55}, p_{89}).
Skipping pair p_{55} and p_{89} because gcd of their leading monoms is zero.

3884. Creating S-polynomial from the pair (p_{55}, p_{90}).
Skipping pair p_{55} and p_{90} because gcd of their leading monoms is zero.

3885. Creating S-polynomial from the pair (p_{55}, p_{91}).
Skipping pair p_{55} and p_{91} because gcd of their leading monoms is zero.

3886. Creating S-polynomial from the pair (p_{55}, p_{92}).
Skipping pair p_{55} and p_{92} because gcd of their leading monoms is zero.

3887. Creating S-polynomial from the pair (p_{55}, p_{93}).
Skipping pair p_{55} and p_{93} because gcd of their leading monoms is zero.

3888. Creating S-polynomial from the pair (p_{55}, p_{94}).
Skipping pair p_{55} and p_{94} because gcd of their leading monoms is zero.

3889. Creating S-polynomial from the pair (p_{55}, p_{95}).
Skipping pair p_{55} and p_{95} because gcd of their leading monoms is zero.

3890. Creating S-polynomial from the pair (p_{55}, p_{96}).
Skipping pair p_{55} and p_{96} because gcd of their leading monoms is zero.

3891. Creating S-polynomial from the pair (p_{55}, p_{97}).
Skipping pair p_{55} and p_{97} because gcd of their leading monoms is zero.

3892. Creating S-polynomial from the pair (p_{55}, p_{98}).

Forming S-pol of p_{55} and p_{98}: Polynomial too big for output (text size is 5290 characters, number of terms is 34)

Reduced to zero.

3893. Creating S-polynomial from the pair (p_{55}, p_{99}).

Skipping pair p_{55} and p_{99} because gcd of their leading monoms is zero.

3894. Creating S-polynomial from the pair (p_{55}, p_{100}).

Forming S-pol of p_{55} and p_{100}: Polynomial too big for output (text size is 1256 characters, number of terms is 15)

Reduced to zero.

3895. Creating S-polynomial from the pair (p_{55}, p_{101}).

Forming S-pol of p_{55} and p_{101}:

$$p_{898} = (-32768u_5u_2^{17}u_1^{15} - 131072u_5u_2^{15}u_1^{17})x_{12}x_{10} - 32768u_2^{17}u_1^{15}x_{12}x_4^2+$$
$$(4096u_5u_2^{20}u_1^{12} - 65536u_5u_2^{16}u_1^{16})x_{12}x_4+$$
$$(16384u_2^{18}u_1^{14} + 65536u_2^{16}u_1^{16})x_{10}^2x_5+$$
$$(32768u_6u_2^{17}u_1^{15} + 131072u_6u_2^{15}u_1^{17})x_{10}^2 - 8192u_2^{19}u_1^{13}x_{10}x_5x_4+$$
$$(8192u_5u_2^{18}u_1^{13} + 32768u_5u_2^{16}u_1^{15})x_{10}x_5x_1+$$
$$(-8192u_6u_2^{18}u_1^{13} - 32768u_6u_2^{16}u_1^{15})x_{10}x_4x_1+$$
$$16384u_5u_2^{17}u_1^{14}x_5x_4x_1 - 2048u_5u_2^{21}u_1^{11}x_5x_4+$$
$$4096u_6u_2^{19}u_1^{12}x_4^2x_1 - 8192u_6u_2^{19}u_1^{13}x_4^2+$$
$$(2048u_6u_5u_2^{20}u_1^{11} + 8192u_6u_5u_2^{18}u_1^{13})x_4x_1$$

Reduced to zero.

3896. Creating S-polynomial from the pair (p_{55}, p_{102}).

Forming S-pol of p_{55} and p_{102}: Polynomial too big for output (text size is 1108 characters, number of terms is 14)

S-pol added.

3897. Creating S-polynomial from the pair (p_{55}, p_{103}).

Forming S-pol of p_{55} and p_{103}: Polynomial too big for output (text size is 5302 characters, number of terms is 34)

Reduced to zero.

3898. Creating S-polynomial from the pair (p_{55}, p_{104}).

Skipping pair p_{55} and p_{104} because gcd of their leading monoms is zero.

3899. Creating S-polynomial from the pair (p_{55}, p_{105}).

Skipping pair p_{55} and p_{105} because gcd of their leading monoms is zero.

3900. Creating S-polynomial from the pair (p_{55}, p_{106}).

Skipping pair p_{55} and p_{106} because gcd of their leading monoms is zero.

3901. Creating S-polynomial from the pair (p_{56}, p_{57}).

Forming S-pol of p_{56} and p_{57}: Polynomial too big for output (text size is 1154 characters, number of terms is 16)

Reduced to zero.

3902. Creating S-polynomial from the pair (p_{56}, p_{58}).

Forming S-pol of p_{56} and p_{58}:

$$p_{899} = 256u_5u_2^{12}u_1^8x_{12}x_{10} + 256u_5u_2^{11}u_1^8x_{12}x_4x_1 -$$
$$128u_5u_2^{13}u_1^7x_{12}x_4 + 128u_5^2u_2^{12}u_1^7x_{12}x_1 - 256u_6u_2^{12}u_1^8x_{10}^2 -$$
$$256u_5u_2^{11}u_1^8x_{10}x_5x_1 + 128u_6u_2^{13}u_1^7x_{10}x_4 -$$
$$128u_6u_5u_2^{12}u_1^7x_{10}x_1$$

Reduced to zero.

3903. Creating S-polynomial from the pair (p_{56}, p_{59}).

Forming S-pol of p_{56} and p_{59}:

$$p_{900} = 4096u_2^{15}u_1^{12}x_{12}x_{10}x_4 + 8192u_5u_2^{14}u_1^{13}x_{12}x_{10} +$$
$$(-512u_5u_2^{17}u_1^9 - 2048u_5u_2^{15}u_1^{11})x_{12}x_4x_1 +$$
$$(256u_5u_2^{19}u_1^8 + 1024u_5u_2^{17}u_1^{10})x_{12}x_4 +$$
$$(-256u_5^2u_2^{18}u_1^8 - 1024u_5^2u_2^{16}u_1^{10})x_{12}x_1 - 4096u_2^{15}u_1^{12}x_{10}^2x_5 -$$
$$8192u_6u_2^{14}u_1^{13}x_{10}^2 + 512u_5u_2^{17}u_1^9x_{10}x_5x_1 +$$
$$(-256u_5u_2^{19}u_1^8 - 1024u_5u_2^{17}u_1^{10})x_{10}x_5 + 2048u_6u_2^{15}u_1^{11}x_{10}x_4x_1 +$$
$$(256u_6u_5u_2^{18}u_1^8 + 1024u_6u_5u_2^{16}u_1^{10})x_{10}x_1$$

Reduced to zero.

3904. Creating S-polynomial from the pair (p_{56}, p_{60}).

Skipping pair p_{56} and p_{60} because gcd of their leading monoms is zero.

3905. Creating S-polynomial from the pair (p_{56}, p_{61}).

Forming S-pol of p_{56} and p_{61}:

$$p_{901} = -512u_2^{11}u_1^9x_{12}x_{10}x_4 - 1024u_5u_2^{10}u_1^{10}x_{12}x_{10} +$$
$$256u_5u_2^{11}u_1^8x_{12}x_4x_1 - 128u_5u_2^{13}u_1^7x_{12}x_4 +$$
$$128u_5^2u_2^{12}u_1^7x_{12}x_1 + 512u_2^{11}u_1^9x_{10}^2x_5 + 1024u_6u_2^{10}u_1^{10}x_{10}^2 +$$
$$128u_5u_2^{13}u_1^7x_{10}x_5 - 256u_6u_2^{11}u_1^8x_{10}x_4x_1 -$$
$$128u_6u_5u_2^{12}u_1^7x_{10}x_1$$

Reduced to zero.

3906. Creating S-polynomial from the pair (p_{56}, p_{62}).
Skipping pair p_{56} and p_{62} because gcd of their leading monoms is zero.

3907. Creating S-polynomial from the pair (p_{56}, p_{63}).
Skipping pair p_{56} and p_{63} because gcd of their leading monoms is zero.

3908. Creating S-polynomial from the pair (p_{56}, p_{64}).
Skipping pair p_{56} and p_{64} because gcd of their leading monoms is zero.

3909. Creating S-polynomial from the pair (p_{56}, p_{65}).
Skipping pair p_{56} and p_{65} because gcd of their leading monoms is zero.

3910. Creating S-polynomial from the pair (p_{56}, p_{66}).
Skipping pair p_{56} and p_{66} because gcd of their leading monoms is zero.

3911. Creating S-polynomial from the pair (p_{56}, p_{67}).
Skipping pair p_{56} and p_{67} because gcd of their leading monoms is zero.

3912. Creating S-polynomial from the pair (p_{56}, p_{68}).
Skipping pair p_{56} and p_{68} because gcd of their leading monoms is zero.

3913. Creating S-polynomial from the pair (p_{56}, p_{69}).
Skipping pair p_{56} and p_{69} because gcd of their leading monoms is zero.

3914. Creating S-polynomial from the pair (p_{56}, p_{70}).
Skipping pair p_{56} and p_{70} because gcd of their leading monoms is zero.

3915. Creating S-polynomial from the pair (p_{56}, p_{71}).
Skipping pair p_{56} and p_{71} because gcd of their leading monoms is zero.

3916. Creating S-polynomial from the pair (p_{56}, p_{72}).
Skipping pair p_{56} and p_{72} because gcd of their leading monoms is zero.

3917. Creating S-polynomial from the pair (p_{56}, p_{73}).
Skipping pair p_{56} and p_{73} because gcd of their leading monoms is zero.

3918. Creating S-polynomial from the pair (p_{56}, p_{74}).
Skipping pair p_{56} and p_{74} because gcd of their leading monoms is zero.

3919. Creating S-polynomial from the pair (p_{56}, p_{75}).
Forming S-pol of p_{56} and p_{75}:

$$p_{902} = -32u_5u_2^{10}u_1^5x_{10}x_1 + 16u_5u_2^{12}u_1^4x_{10} + 16u_5u_2^{11}u_1^4x_4x_1 -$$
$$8u_5u_2^{13}u_1^3x_4 + 8u_5^2u_2^{12}u_1^3x_1$$

Reduced to zero.

3920. Creating S-polynomial from the pair (p_{56}, p_{76}).

Forming S-pol of p_{56} and p_{76}:

$$p_{903} = -4194304u_5u_2^{23}u_1^{21}x_{12}x_{10}x_4 - 4194304u_5^2u_2^{22}u_1^{22}x_{12}x_{10}+$$
$$1048576u_5^2u_2^{23}u_1^{20}x_{12}x_4x_1 - 524288u_5^2u_2^{25}u_1^{19}x_{12}x_4+$$
$$524288u_5^3u_2^{24}u_1^{19}x_{12}x_1 + 4194304u_6u_2^{22}u_1^{22}x_{10}^3+$$
$$2097152u_5u_2^{23}u_1^{21}x_{10}^2x_5 + 1048576u_6u_5u_2^{24}u_1^{20}x_{10}^2+$$
$$1048576u_5u_2^{24}u_1^{20}x_{10}x_5x_4 + 524288u_5^2u_2^{25}u_1^{19}x_{10}x_5+$$
$$(-524288u_6u_5u_2^{25}u_1^{19} - 2097152u_6u_2^{24}u_1^{21})x_{10}x_4+$$
$$1048576u_6u_5^2u_2^{24}u_1^{20}x_{10}$$

Reduced to zero.

3921. Creating S-polynomial from the pair (p_{56}, p_{77}).

Forming S-pol of p_{56} and p_{77}:

$$p_{904} = -1024u_2^{11}u_1^{10}x_{12}x_{10}x_4 - 2048u_5u_2^{10}u_1^{11}x_{12}x_{10}+$$
$$512u_5u_2^{11}u_1^9x_{12}x_4x_1 - 256u_5u_2^{13}u_1^8x_{12}x_4+$$
$$256u_5^2u_2^{12}u_1^8x_{12}x_1 + 1024u_2^{11}u_1^{10}x_{10}^2x_5+$$
$$2048u_6u_2^{10}u_1^{11}x_{10}^2 + 256u_5u_2^{13}u_1^8x_{10}x_5-$$
$$512u_6u_2^{11}u_1^9x_{10}x_4x_1 - 256u_6u_5u_2^{12}u_1^8x_{10}x_1$$

Reduced to zero.

3922. Creating S-polynomial from the pair (p_{56}, p_{78}).

Forming S-pol of p_{56} and p_{78}:

$$p_{905} = 512u_5u_2^{12}u_1^9x_{12}x_{10} + 512u_5u_2^{11}u_1^9x_{12}x_4x_1-$$
$$256u_5u_2^{13}u_1^8x_{12}x_4 + 256u_5^2u_2^{12}u_1^8x_{12}x_1 - 512u_6u_2^{12}u_1^9x_{10}^2-$$
$$512u_5u_2^{11}u_1^9x_{10}x_5x_1 + 256u_6u_2^{13}u_1^8x_{10}x_4-$$
$$256u_6u_5u_2^{12}u_1^8x_{10}x_1$$

Reduced to zero.

3923. Creating S-polynomial from the pair (p_{56}, p_{79}).

Skipping pair p_{56} and p_{79} because gcd of their leading monoms is zero.

3924. Creating S-polynomial from the pair (p_{56}, p_{80}).

Skipping pair p_{56} and p_{80} because gcd of their leading monoms is zero.

3925. Creating S-polynomial from the pair (p_{56}, p_{81}).

Skipping pair p_{56} and p_{81} because gcd of their leading monoms is zero.

3926. Creating S-polynomial from the pair (p_{56}, p_{82}).

Skipping pair p_{56} and p_{82} because gcd of their leading monoms is zero.

3927. Creating S-polynomial from the pair (p_{56}, p_{83}).
Skipping pair p_{56} and p_{83} because gcd of their leading monoms is zero.

3928. Creating S-polynomial from the pair (p_{56}, p_{84}).
Skipping pair p_{56} and p_{84} because gcd of their leading monoms is zero.

3929. Creating S-polynomial from the pair (p_{56}, p_{85}).
Skipping pair p_{56} and p_{85} because gcd of their leading monoms is zero.

3930. Creating S-polynomial from the pair (p_{56}, p_{86}).
Skipping pair p_{56} and p_{86} because gcd of their leading monoms is zero.

3931. Creating S-polynomial from the pair (p_{56}, p_{87}).
Skipping pair p_{56} and p_{87} because gcd of their leading monoms is zero.

3932. Creating S-polynomial from the pair (p_{56}, p_{88}).
Skipping pair p_{56} and p_{88} because gcd of their leading monoms is zero.

3933. Creating S-polynomial from the pair (p_{56}, p_{89}).
Skipping pair p_{56} and p_{89} because gcd of their leading monoms is zero.

3934. Creating S-polynomial from the pair (p_{56}, p_{90}).
Skipping pair p_{56} and p_{90} because gcd of their leading monoms is zero.

3935. Creating S-polynomial from the pair (p_{56}, p_{91}).
Skipping pair p_{56} and p_{91} because gcd of their leading monoms is zero.

3936. Creating S-polynomial from the pair (p_{56}, p_{92}).
Skipping pair p_{56} and p_{92} because gcd of their leading monoms is zero.

3937. Creating S-polynomial from the pair (p_{56}, p_{93}).
Skipping pair p_{56} and p_{93} because gcd of their leading monoms is zero.

3938. Creating S-polynomial from the pair (p_{56}, p_{94}).
Skipping pair p_{56} and p_{94} because gcd of their leading monoms is zero.

3939. Creating S-polynomial from the pair (p_{56}, p_{95}).
Skipping pair p_{56} and p_{95} because gcd of their leading monoms is zero.

3940. Creating S-polynomial from the pair (p_{56}, p_{96}).
Skipping pair p_{56} and p_{96} because gcd of their leading monoms is zero.

3941. Creating S-polynomial from the pair (p_{56}, p_{97}).
Skipping pair p_{56} and p_{97} because gcd of their leading monoms is zero.

3942. Creating S-polynomial from the pair (p_{56}, p_{98}).
Skipping pair p_{56} and p_{98} because gcd of their leading monoms is zero.

3943. Creating S-polynomial from the pair (p_{56}, p_{99}).
Skipping pair p_{56} and p_{99} because gcd of their leading monoms is zero.

3944. Creating S-polynomial from the pair (p_{56}, p_{100}).

Forming S-pol of p_{56} and p_{100}:

$$p_{906} = 2097152u_5u_2^{21}u_1^{21}x_{12}x_{10}^2 - 2097152u_2^{21}u_1^{21}x_{12}x_{10}x_4^2+$$
$$(1048576u_5u_2^{22}u_1^{20} + 4194304u_2^{21}u_1^{22})x_{12}x_{10}x_4+$$
$$(524288u_5^2u_2^{23}u_1^{19} - 2097152u_5^2u_2^{21}u_1^{21})x_{12}x_{10}+$$
$$1048576u_5u_2^{21}u_1^{20}x_{12}x_4^2x_1 - 524288u_5u_2^{23}u_1^{19}x_{12}x_4^2+$$
$$524288u_5^2u_2^{22}u_1^{19}x_{12}x_4x_1 - 2097152u_6u_2^{21}u_1^{21}x_{10}^3-$$
$$1048576u_5u_2^{22}u_1^{20}x_{10}^2x_5 - 524288u_6u_5u_2^{23}u_1^{19}x_{10}^2-$$
$$1048576u_5u_2^{21}u_1^{20}x_{10}x_5x_4x_1 - 262144u_5^2u_2^{24}u_1^{18}x_{10}x_5-$$
$$524288u_6u_5u_2^{22}u_1^{19}x_{10}x_4x_1+$$
$$(262144u_6u_5u_2^{24}u_1^{18} + 1048576u_6u_2^{23}u_1^{20})x_{10}x_4-$$
$$524288u_6u_5^2u_2^{23}u_1^{19}x_{10}$$

Reduced to zero.

3945. Creating S-polynomial from the pair (p_{56}, p_{101}).

Skipping pair p_{56} and p_{101} because gcd of their leading monoms is zero.

3946. Creating S-polynomial from the pair (p_{56}, p_{102}).

Skipping pair p_{56} and p_{102} because gcd of their leading monoms is zero.

3947. Creating S-polynomial from the pair (p_{56}, p_{103}).

Skipping pair p_{56} and p_{103} because gcd of their leading monoms is zero.

3948. Creating S-polynomial from the pair (p_{56}, p_{104}).

Skipping pair p_{56} and p_{104} because gcd of their leading monoms is zero.

3949. Creating S-polynomial from the pair (p_{56}, p_{105}).

Skipping pair p_{56} and p_{105} because gcd of their leading monoms is zero.

3950. Creating S-polynomial from the pair (p_{56}, p_{106}).

Skipping pair p_{56} and p_{106} because gcd of their leading monoms is zero.

3951. Creating S-polynomial from the pair (p_{57}, p_{58}).

Forming S-pol of p_{57} and p_{58}: Polynomial too big for output (text size is 1036 characters, number of terms is 15)

Reduced to zero.

3952. Creating S-polynomial from the pair (p_{57}, p_{59}).

Forming S-pol of p_{57} and p_{59}: Polynomial too big for output (text size is 1728 characters, number of terms is 17)

Reduced to zero.

3953. Creating S-polynomial from the pair (p_{57}, p_{60}).

Forming S-pol of p_{57} and p_{60}: Polynomial too big for output (text size is 2016 characters, number of terms is 17)

Reduced to zero.

3954. Creating S-polynomial from the pair (p_{57}, p_{61}).

Forming S-pol of p_{57} and p_{61}: Polynomial too big for output (text size is 1164 characters, number of terms is 16)

Reduced to zero.

3955. Creating S-polynomial from the pair (p_{57}, p_{62}).

Forming S-pol of p_{57} and p_{62}: Polynomial too big for output (text size is 2370 characters, number of terms is 19)

Reduced to zero.

3956. Creating S-polynomial from the pair (p_{57}, p_{63}).

Forming S-pol of p_{57} and p_{63}: Polynomial too big for output (text size is 1316 characters, number of terms is 17)

Reduced to zero.

3957. Creating S-polynomial from the pair (p_{57}, p_{64}).

Skipping pair p_{57} and p_{64} because gcd of their leading monoms is zero.

3958. Creating S-polynomial from the pair (p_{57}, p_{65}).

Skipping pair p_{57} and p_{65} because gcd of their leading monoms is zero.

3959. Creating S-polynomial from the pair (p_{57}, p_{66}).

Skipping pair p_{57} and p_{66} because gcd of their leading monoms is zero.

3960. Creating S-polynomial from the pair (p_{57}, p_{67}).

Forming S-pol of p_{57} and p_{67}: Polynomial too big for output (text size is 4564 characters, number of terms is 24)

Reduced to zero.

3961. Creating S-polynomial from the pair (p_{57}, p_{68}).

Skipping pair p_{57} and p_{68} because gcd of their leading monoms is zero.

3962. Creating S-polynomial from the pair (p_{57}, p_{69}).

Skipping pair p_{57} and p_{69} because gcd of their leading monoms is zero.

3963. Creating S-polynomial from the pair (p_{57}, p_{70}).

Skipping pair p_{57} and p_{70} because gcd of their leading monoms is zero.

3964. Creating S-polynomial from the pair (p_{57}, p_{71}).

Skipping pair p_{57} and p_{71} because gcd of their leading monoms is zero.

3965. Creating S-polynomial from the pair (p_{57}, p_{72}).

Forming S-pol of p_{57} and p_{72}: Polynomial too big for output (text size is 4025 characters, number of terms is 23)

Reduced to zero.

3966. Creating S-polynomial from the pair (p_{57}, p_{73}).

Skipping pair p_{57} and p_{73} because gcd of their leading monoms is zero.

3967. Creating S-polynomial from the pair (p_{57}, p_{74}).

Forming S-pol of p_{57} and p_{74}: Polynomial too big for output (text size is 1177 characters, number of terms is 15)

Reduced to zero.

3968. Creating S-polynomial from the pair (p_{57}, p_{75}).

Forming S-pol of p_{57} and p_{75}:

$$p_{907} = (-2097152u_2^{30}u_1^{21} - 8388608u_2^{28}u_1^{23})x_{12}x_4^2+$$
$$(2097152u_5u_2^{29}u_1^{21} + 8388608u_5u_2^{27}u_1^{23})x_{12}x_4x_1+$$
$$(-1048576u_5u_2^{31}u_1^{20} - 4194304u_5u_2^{29}u_1^{22} + 16777216u_2^{28}u_1^{24})x_{12}x_4+$$
$$(2097152u_5^2u_2^{30}u_1^{21} - 8388608u_5^2u_2^{28}u_1^{23})x_{12}+$$
$$4194304u_2^{29}u_1^{22}x_{10}^2x_5+$$
$$(1048576u_5u_2^{31}u_1^{20} - 4194304u_5u_2^{29}u_1^{22})x_{10}x_5-$$
$$2097152u_6u_5u_2^{30}u_1^{21}x_{10}+$$
$$(1048576u_5u_2^{30}u_1^{20} - 4194304u_5u_2^{28}u_1^{22})x_5x_4x_1+$$
$$524288u_5^2u_2^{31}u_1^{19}x_5x_1 - 1048576u_5^2u_2^{31}u_1^{20}x_5+$$
$$(-524288u_6u_5u_2^{31}u_1^{19} - 2097152u_6u_5u_2^{29}u_1^{21} - 2097152u_6u_2^{30}u_1^{21})x_4x_1+$$
$$(1048576u_6u_5u_2^{31}u_1^{20} + 4194304u_6u_2^{30}u_1^{22})x_4+$$
$$1048576u_6u_5^2u_2^{30}u_1^{20}x_1 - 2097152u_6u_5^2u_2^{30}u_1^{21}$$

Reduced to zero.

3969. Creating S-polynomial from the pair (p_{57}, p_{76}).

Forming S-pol of p_{57} and p_{76}: Polynomial too big for output (text size is 1809 characters, number of terms is 19)

Reduced to zero.

3970. Creating S-polynomial from the pair (p_{57}, p_{77}).

Forming S-pol of p_{57} and p_{77}: Polynomial too big for output (text size is 1173 characters, number of terms is 16)

Reduced to zero.

3971. Creating S-polynomial from the pair (p_{57}, p_{78}).

Forming S-pol of p_{57} and p_{78}: Polynomial too big for output (text size is 1043 characters, number of terms is 15)

Reduced to zero.

3972. Creating S-polynomial from the pair (p_{57}, p_{79}).

Forming S-pol of p_{57} and p_{79}: Polynomial too big for output (text size is 2457 characters, number of terms is 17)

S-pol added.

3973. Creating S-polynomial from the pair (p_{57}, p_{80}).

Forming S-pol of p_{57} and p_{80}: Polynomial too big for output (text size is 1057 characters, number of terms is 15)

Reduced to zero.

3974. Creating S-polynomial from the pair (p_{57}, p_{81}).

Skipping pair p_{57} and p_{81} because gcd of their leading monoms is zero.

3975. Creating S-polynomial from the pair (p_{57}, p_{82}).

Skipping pair p_{57} and p_{82} because gcd of their leading monoms is zero.

3976. Creating S-polynomial from the pair (p_{57}, p_{83}).

Skipping pair p_{57} and p_{83} because gcd of their leading monoms is zero.

3977. Creating S-polynomial from the pair (p_{57}, p_{84}).

Skipping pair p_{57} and p_{84} because gcd of their leading monoms is zero.

3978. Creating S-polynomial from the pair (p_{57}, p_{85}).

Skipping pair p_{57} and p_{85} because gcd of their leading monoms is zero.

3979. Creating S-polynomial from the pair (p_{57}, p_{86}).

Forming S-pol of p_{57} and p_{86}: Polynomial too big for output (text size is 3189 characters, number of terms is 19)

S-pol added.

3980. Creating S-polynomial from the pair (p_{57}, p_{87}).

Skipping pair p_{57} and p_{87} because gcd of their leading monoms is zero.

3981. Creating S-polynomial from the pair (p_{57}, p_{88}).

Skipping pair p_{57} and p_{88} because gcd of their leading monoms is zero.

3982. Creating S-polynomial from the pair (p_{57}, p_{89}).

Skipping pair p_{57} and p_{89} because gcd of their leading monoms is zero.

3983. Creating S-polynomial from the pair (p_{57}, p_{90}).

Skipping pair p_{57} and p_{90} because gcd of their leading monoms is zero.

3984. Creating S-polynomial from the pair (p_{57}, p_{91}).

Skipping pair p_{57} and p_{91} because gcd of their leading monoms is zero.

3985. Creating S-polynomial from the pair (p_{57}, p_{92}).

Skipping pair p_{57} and p_{92} because gcd of their leading monoms is zero.

3986. Creating S-polynomial from the pair (p_{57}, p_{93}).

Forming S-pol of p_{57} and p_{93}: Polynomial too big for output (text size is 3202 characters, number of terms is 19)

S-pol added.

3987. Creating S-polynomial from the pair (p_{57}, p_{94}).

Skipping pair p_{57} and p_{94} because gcd of their leading monoms is zero.

3988. Creating S-polynomial from the pair (p_{57}, p_{95}).

Forming S-pol of p_{57} and p_{95}: Polynomial too big for output (text size is 2870 characters, number of terms is 23)

Reduced to zero.

3989. Creating S-polynomial from the pair (p_{57}, p_{96}).

Forming S-pol of p_{57} and p_{96}: Polynomial too big for output (text size is 1591 characters, number of terms is 17)

Reduced to zero.

3990. Creating S-polynomial from the pair (p_{57}, p_{97}).

Forming S-pol of p_{57} and p_{97}: Polynomial too big for output (text size is 2135 characters, number of terms is 19)

S-pol added.

3991. Creating S-polynomial from the pair (p_{57}, p_{98}).

Forming S-pol of p_{57} and p_{98}: Polynomial too big for output (text size is 7171 characters, number of terms is 39)

Reduced to zero.

3992. Creating S-polynomial from the pair (p_{57}, p_{99}).

Skipping pair p_{57} and p_{99} because gcd of their leading monoms is zero.

3993. Creating S-polynomial from the pair (p_{57}, p_{100}).

Forming S-pol of p_{57} and p_{100}:

$$p_{908} = (-137438953472u_5u_2^{40}u_1^{37} - 549755813888u_5u_2^{38}u_1^{39})x_{12}x_{10}^2+$$
$$(-68719476736u_5u_2^{41}u_1^{36} - 274877906944u_5u_2^{39}u_1^{38}-$$
$$274877906944u_2^{40}u_1^{38})x_{12}x_{10}x_4+$$
$$(-34359738368u_5^2u_2^{42}u_1^{35} + 137438953472u_5^2u_2^{40}u_1^{37})x_{12}x_{10}+$$
$$274877906944u_2^{39}u_1^{38}x_{10}^3x_5+$$
$$(137438953472u_6u_2^{40}u_1^{37} + 549755813888u_6u_2^{38}u_1^{39})x_{10}^3+$$
$$137438953472u_5u_2^{41}u_1^{36}x_{10}^2x_5 + 34359738368u_6u_5u_2^{42}u_1^{35}x_{10}^2+$$
$$137438953472u_5u_2^{40}u_1^{36}x_{10}x_5x_4x_1 + 34359738368u_5^2u_2^{41}u_1^{35}x_{10}x_5x_1+$$

$$17179869184u_5^2u_2^{43}u_1^{34}x_{10}x_5 - 137438953472u_6u_2^{40}u_1^{37}x_{10}x_4x_1+$$
$$(-17179869184u_6u_5u_2^{43}u_1^{34} - 68719476736u_6u_2^{42}u_1^{36})x_{10}x_4+$$
$$68719476736u_6u_5^2u_2^{40}u_1^{36}x_{10}x_1 + 34359738368u_6u_5^2u_2^{42}u_1^{35}x_{10}$$

Reduced to zero.

3994. Creating S-polynomial from the pair (p_{57}, p_{101}).

Forming S-pol of p_{57} and p_{101}: Polynomial too big for output (text size is 1286 characters, number of terms is 17)

S-pol added.

3995. Creating S-polynomial from the pair (p_{57}, p_{102}).

Forming S-pol of p_{57} and p_{102}: Polynomial too big for output (text size is 1624 characters, number of terms is 17)

S-pol added.

3996. Creating S-polynomial from the pair (p_{57}, p_{103}).

Forming S-pol of p_{57} and p_{103}: Polynomial too big for output (text size is 7191 characters, number of terms is 39)

Reduced to zero.

3997. Creating S-polynomial from the pair (p_{57}, p_{104}).

Forming S-pol of p_{57} and p_{104}: Polynomial too big for output (text size is 2901 characters, number of terms is 23)

Reduced to zero.

3998. Creating S-polynomial from the pair (p_{57}, p_{105}).

Forming S-pol of p_{57} and p_{105}: Polynomial too big for output (text size is 1606 characters, number of terms is 17)

Reduced to zero.

3999. Creating S-polynomial from the pair (p_{57}, p_{106}).

Forming S-pol of p_{57} and p_{106}: Polynomial too big for output (text size is 2148 characters, number of terms is 19)

S-pol added.

4000. Creating S-polynomial from the pair (p_{58}, p_{59}).

Forming S-pol of p_{58} and p_{59}:

$$p_{909} = 65536u_2^{17}u_1^{16}x_{12}x_{10}x_4+$$
$$(8192u_5u_2^{20}u_1^{13} + 32768u_5u_2^{18}u_1^{15} + 131072u_5u_2^{16}u_1^{17})x_{12}x_{10}-$$
$$65536u_2^{17}u_1^{16}x_{10}^2x_5+$$
$$(-8192u_6u_2^{20}u_1^{13} - 32768u_6u_2^{18}u_1^{15} - 131072u_6u_2^{16}u_1^{17})x_{10}^2-$$
$$32768u_5u_2^{17}u_1^{15}x_{10}x_5x_1+$$
$$(-4096u_5u_2^{21}u_1^{12} - 16384u_5u_2^{19}u_1^{14})x_{10}x_5 + 32768u_6u_2^{17}u_1^{15}x_{10}x_4x_1+$$
$$(4096u_6u_2^{21}u_1^{12} + 16384u_6u_2^{19}u_1^{14})x_{10}x_4$$

Reduced to zero.

4001. Creating S-polynomial from the pair (p_{58}, p_{60}).

Forming S-pol of p_{58} and p_{60}:

$$p_{910} = (1024u_2^{17}u_1^{10} + 4096u_2^{15}u_1^{12})x_{12}^2x_4+$$
$$(2048u_5u_2^{16}u_1^{11} + 8192u_5u_2^{14}u_1^{13})x_{12}^2+$$
$$(-1024u_2^{17}u_1^{10} - 4096u_2^{15}u_1^{12})x_{12}x_{10}x_5+$$
$$(-2048u_6u_2^{16}u_1^{11} - 8192u_6u_2^{14}u_1^{13})x_{12}x_{10}+$$
$$(-512u_5u_2^{17}u_1^{9} - 2048u_5u_2^{15}u_1^{11})x_{12}x_5x_1+$$
$$(256u_6u_2^{19}u_1^{8} + 1024u_6u_2^{17}u_1^{10})x_{12}x_4+$$
$$(-256u_6u_5u_2^{18}u_1^{8} - 1024u_6u_5u_2^{16}u_1^{10})x_{12}x_1+$$
$$(512u_6u_2^{17}u_1^{9} + 2048u_6u_2^{15}u_1^{11})x_{10}x_5x_1+$$
$$(-256u_6u_2^{19}u_1^{8} - 1024u_6u_2^{17}u_1^{10})x_{10}x_5+$$
$$(256u_6^2u_2^{18}u_1^{8} + 1024u_6^2u_2^{16}u_1^{10})x_{10}x_1$$

Reduced to zero.

4002. Creating S-polynomial from the pair (p_{58}, p_{61}).

Forming S-pol of p_{58} and p_{61}:

$$p_{911} = -8192u_2^{13}u_1^{13}x_{12}x_{10}x_4+$$
$$(-4096u_5u_2^{14}u_1^{12} - 16384u_5u_2^{12}u_1^{14})x_{12}x_{10} + 8192u_2^{13}u_1^{13}x_{10}^2x_5+$$
$$(4096u_6u_2^{14}u_1^{12} + 16384u_6u_2^{12}u_1^{14})x_{10}^2 + 4096u_5u_2^{13}u_1^{12}x_{10}x_5x_1+$$
$$2048u_5u_2^{15}u_1^{11}x_{10}x_5 - 4096u_6u_2^{13}u_1^{12}x_{10}x_4x_1-$$
$$2048u_6u_2^{15}u_1^{11}x_{10}x_4$$

Reduced to zero.

4003. Creating S-polynomial from the pair (p_{58}, p_{62}).

Forming S-pol of p_{58} and p_{62}: Polynomial too big for output (text size is 1164 characters, number of terms is 16)

Reduced to zero.

4004. Creating S-polynomial from the pair (p_{58}, p_{63}).

Forming S-pol of p_{58} and p_{63}:

$$p_{912} = -512u_2^{11}u_1^{9}x_{12}^2x_4 - 1024u_5u_2^{10}u_1^{10}x_{12}^2 + 512u_2^{11}u_1^{9}x_{12}x_{10}x_5+$$
$$1024u_6u_2^{10}u_1^{10}x_{12}x_{10} + 256u_5u_2^{11}u_1^{8}x_{12}x_5x_1-$$
$$128u_6u_2^{13}u_1^{7}x_{12}x_4 + 128u_6u_5u_2^{12}u_1^{7}x_{12}x_1-$$
$$256u_6u_2^{11}u_1^{8}x_{10}x_5x_1 + 128u_6u_2^{13}u_1^{7}x_{10}x_5-$$
$$128u_6^2u_2^{12}u_1^{7}x_{10}x_1$$

Reduced to zero.

4005. Creating S-polynomial from the pair (p_{58}, p_{64}).
Skipping pair p_{58} and p_{64} because gcd of their leading monoms is zero.

4006. Creating S-polynomial from the pair (p_{58}, p_{65}).
Skipping pair p_{58} and p_{65} because gcd of their leading monoms is zero.

4007. Creating S-polynomial from the pair (p_{58}, p_{66}).
Skipping pair p_{58} and p_{66} because gcd of their leading monoms is zero.

4008. Creating S-polynomial from the pair (p_{58}, p_{67}).
Skipping pair p_{58} and p_{67} because gcd of their leading monoms is zero.

4009. Creating S-polynomial from the pair (p_{58}, p_{68}).
Skipping pair p_{58} and p_{68} because gcd of their leading monoms is zero.

4010. Creating S-polynomial from the pair (p_{58}, p_{69}).
Skipping pair p_{58} and p_{69} because gcd of their leading monoms is zero.

4011. Creating S-polynomial from the pair (p_{58}, p_{70}).
Skipping pair p_{58} and p_{70} because gcd of their leading monoms is zero.

4012. Creating S-polynomial from the pair (p_{58}, p_{71}).
Skipping pair p_{58} and p_{71} because gcd of their leading monoms is zero.

4013. Creating S-polynomial from the pair (p_{58}, p_{72}).
Skipping pair p_{58} and p_{72} because gcd of their leading monoms is zero.

4014. Creating S-polynomial from the pair (p_{58}, p_{73}).
Skipping pair p_{58} and p_{73} because gcd of their leading monoms is zero.

4015. Creating S-polynomial from the pair (p_{58}, p_{74}).
Forming S-pol of p_{58} and p_{74}:

$$p_{913} = 32768u_5u_2^{17}u_1^{15}x_{12}x_4 + 65536u_5^2u_2^{16}u_1^{16}x_{12} -$$
$$65536u_6u_2^{16}u_1^{16}x_{10}^2 - 32768u_5u_2^{17}u_1^{15}x_{10}x_5 +$$
$$32768u_6u_2^{17}u_1^{15}x_{10}x_4 - 16384u_6u_5u_2^{18}u_1^{14}x_{10} -$$
$$16384u_5^2u_2^{17}u_1^{14}x_5x_1 + 8192u_6u_5u_2^{19}u_1^{13}x_4 -$$
$$8192u_6u_5^2u_2^{18}u_1^{13}x_1$$

Reduced to zero.

4016. Creating S-polynomial from the pair (p_{58}, p_{75}).
Forming S-pol of p_{58} and p_{75}:

$$p_{914} = -512u_5u_2^{12}u_1^9x_{12}x_1 + 256u_6u_2^{14}u_1^8x_{10} + 256u_5u_2^{13}u_1^8x_5x_1 -$$
$$128u_6u_2^{15}u_1^7x_4 + 128u_6u_5u_2^{14}u_1^7x_1$$

Reduced to zero.

4017. Creating S-polynomial from the pair (p_{58}, p_{76}).

Forming S-pol of p_{58} and p_{76}:

$$p_{915} = -67108864u_5u_2^{25}u_1^{25}x_{12}x_{10}x_4+$$
$$(-16777216u_5^2u_2^{26}u_1^{24} - 67108864u_5^2u_2^{24}u_1^{26})x_{12}x_{10}+$$
$$67108864u_6u_2^{24}u_1^{26}x_{10}^3 + 33554432u_5u_2^{25}u_1^{25}x_{10}^2x_5+$$
$$33554432u_6u_5u_2^{26}u_1^{24}x_{10}^2 + 16777216u_5u_2^{26}u_1^{24}x_{10}x_5x_4+$$
$$16777216u_5^2u_2^{25}u_1^{24}x_{10}x_5x_1 + 8388608u_5^2u_2^{27}u_1^{23}x_{10}x_5+$$
$$(-16777216u_6u_5u_2^{27}u_1^{23} - 33554432u_6u_2^{26}u_1^{25})x_{10}x_4+$$
$$8388608u_6u_5^2u_2^{26}u_1^{23}x_{10}x_1 + 16777216u_6u_5^2u_2^{26}u_1^{24}x_{10}$$

Reduced to zero.

4018. Creating S-polynomial from the pair (p_{58}, p_{77}).

Forming S-pol of p_{58} and p_{77}:

$$p_{916} = -16384u_2^{13}u_1^{14}x_{12}x_{10}x_4+$$
$$(-8192u_5u_2^{14}u_1^{13} - 32768u_5u_2^{12}u_1^{15})x_{12}x_{10} + 16384u_2^{13}u_1^{14}x_{10}^2x_5+$$
$$(8192u_6u_2^{14}u_1^{13} + 32768u_6u_2^{12}u_1^{15})x_{10}^2 + 8192u_5u_2^{13}u_1^{13}x_{10}x_5x_1+$$
$$4096u_5u_2^{15}u_1^{12}x_{10}x_5 - 8192u_6u_2^{13}u_1^{13}x_{10}x_4x_1-$$
$$4096u_6u_2^{15}u_1^{12}x_{10}x_4$$

Reduced to zero.

4019. Creating S-polynomial from the pair (p_{58}, p_{78}).

Forming S-pol of p_{58} and p_{78}:

$$p_{917} = 0$$

Reduced to zero.

4020. Creating S-polynomial from the pair (p_{58}, p_{79}).

Forming S-pol of p_{58} and p_{79}:

$$p_{918} = (32768u_2^{21}u_1^{15} - 65536u_2^{19}u_1^{16})x_{12}x_4^2+$$
$$(65536u_5u_2^{20}u_1^{16} - 131072u_5u_2^{18}u_1^{17})x_{12}x_4 - 65536u_2^{20}u_1^{16}x_{10}^2x_5+$$
$$(262144u_2^{17}u_1^{18} - 131072u_2^{17}u_1^{17})x_{10}x_5x_4x_1+$$
$$(-131072u_2^{19}u_1^{17} + 65536u_2^{19}u_1^{16})x_{10}x_5x_4 - 32768u_5u_2^{20}u_1^{15}x_{10}x_5x_1+$$
$$65536u_5u_2^{20}u_1^{16}x_{10}x_5+$$
$$(32768u_6u_2^{20}u_1^{15} + 131072u_6u_2^{18}u_1^{17} - 65536u_6u_2^{18}u_1^{16})x_{10}x_4x_1+$$
$$(-16384u_6u_2^{22}u_1^{14} - 65536u_6u_2^{20}u_1^{16} + 32768u_6u_2^{20}u_1^{15})x_{10}x_4+$$
$$(-16384u_5u_2^{21}u_1^{14} + 32768u_5u_2^{19}u_1^{15})x_5x_4x_1+$$
$$(8192u_6u_2^{23}u_1^{13} - 16384u_6u_2^{21}u_1^{14})x_4^2+$$
$$(-8192u_6u_5u_2^{22}u_1^{13} + 16384u_6u_5u_2^{20}u_1^{14})x_4x_1$$

S-pol added.

4021. Creating S-polynomial from the pair (p_{58}, p_{80}).

Forming S-pol of p_{58} and p_{80}:

$$p_{919} = -512u_2^{13}u_1^9x_{12}x_4 - 1024u_5u_2^{12}u_1^{10}x_{12} + 512u_2^{13}u_1^9x_{10}x_5 -$$
$$512u_6u_2^{12}u_1^9x_{10}x_1 +$$
$$(256u_6u_2^{14}u_1^8 + 1024u_6u_2^{12}u_1^{10})x_{10} + 256u_5u_2^{13}u_1^8x_5x_1 -$$
$$128u_6u_2^{15}u_1^7x_4 + 128u_6u_5u_2^{14}u_1^7x_1$$

Reduced to zero.

4022. Creating S-polynomial from the pair (p_{58}, p_{81}).

Skipping pair p_{58} and p_{81} because gcd of their leading monoms is zero.

4023. Creating S-polynomial from the pair (p_{58}, p_{82}).

Skipping pair p_{58} and p_{82} because gcd of their leading monoms is zero.

4024. Creating S-polynomial from the pair (p_{58}, p_{83}).

Skipping pair p_{58} and p_{83} because gcd of their leading monoms is zero.

4025. Creating S-polynomial from the pair (p_{58}, p_{84}).

Skipping pair p_{58} and p_{84} because gcd of their leading monoms is zero.

4026. Creating S-polynomial from the pair (p_{58}, p_{85}).

Skipping pair p_{58} and p_{85} because gcd of their leading monoms is zero.

4027. Creating S-polynomial from the pair (p_{58}, p_{86}).

Skipping pair p_{58} and p_{86} because gcd of their leading monoms is zero.

4028. Creating S-polynomial from the pair (p_{58}, p_{87}).

Skipping pair p_{58} and p_{87} because gcd of their leading monoms is zero.

4029. Creating S-polynomial from the pair (p_{58}, p_{88}).

Skipping pair p_{58} and p_{88} because gcd of their leading monoms is zero.

4030. Creating S-polynomial from the pair (p_{58}, p_{89}).

Skipping pair p_{58} and p_{89} because gcd of their leading monoms is zero.

4031. Creating S-polynomial from the pair (p_{58}, p_{90}).

Skipping pair p_{58} and p_{90} because gcd of their leading monoms is zero.

4032. Creating S-polynomial from the pair (p_{58}, p_{91}).

Skipping pair p_{58} and p_{91} because gcd of their leading monoms is zero.

4033. Creating S-polynomial from the pair (p_{58}, p_{92}).

Skipping pair p_{58} and p_{92} because gcd of their leading monoms is zero.

4034. Creating S-polynomial from the pair (p_{58}, p_{93}).

Skipping pair p_{58} and p_{93} because gcd of their leading monoms is zero.

4035. Creating S-polynomial from the pair (p_{58}, p_{94}).

Skipping pair p_{58} and p_{94} because gcd of their leading monoms is zero.

4036. Creating S-polynomial from the pair (p_{58}, p_{95}).

Skipping pair p_{58} and p_{95} because gcd of their leading monoms is zero.

4037. Creating S-polynomial from the pair (p_{58}, p_{96}).

Skipping pair p_{58} and p_{96} because gcd of their leading monoms is zero.

4038. Creating S-polynomial from the pair (p_{58}, p_{97}).

Skipping pair p_{58} and p_{97} because gcd of their leading monoms is zero.

4039. Creating S-polynomial from the pair (p_{58}, p_{98}).

Forming S-pol of p_{58} and p_{98}: Polynomial too big for output (text size is 3056 characters, number of terms is 33)

Reduced to zero.

4040. Creating S-polynomial from the pair (p_{58}, p_{99}).

Skipping pair p_{58} and p_{99} because gcd of their leading monoms is zero.

4041. Creating S-polynomial from the pair (p_{58}, p_{100}).

Forming S-pol of p_{58} and p_{100}:

$$p_{920} = 33554432u_5u_2^{23}u_1^{25}x_{12}x_{10}^2 - 33554432u_2^{23}u_1^{25}x_{12}x_{10}x_4^2+$$
$$67108864u_2^{23}u_1^{26}x_{12}x_{10}x_4+$$
$$(8388608u_5^2u_2^{25}u_1^{23} - 33554432u_5^2u_2^{23}u_1^{25})x_{12}x_{10}-$$
$$33554432u_6u_2^{23}u_1^{25}x_{10}^3 - 16777216u_5u_2^{24}u_1^{24}x_{10}^2x_5+$$
$$16777216u_6u_2^{24}u_1^{24}x_{10}^2x_4 - 8388608u_6u_5u_2^{25}u_1^{23}x_{10}^2-$$
$$4194304u_5^2u_2^{26}u_1^{22}x_{10}x_5 - 8388608u_6u_2^{25}u_1^{23}x_{10}x_4^2+$$
$$(4194304u_6u_5u_2^{26}u_1^{22} + 16777216u_6u_2^{25}u_1^{24})x_{10}x_4-$$
$$8388608u_6u_5^2u_2^{25}u_1^{23}x_{10}$$

Reduced to zero.

4042. Creating S-polynomial from the pair (p_{58}, p_{101}).

Forming S-pol of p_{58} and p_{101}:

$$p_{921} = 4096u_5u_2^{10}u_1^{12}x_{12}x_{10} + 1024u_2^{12}u_1^{10}x_{12}x_4^2+$$
$$2048u_5u_2^{11}u_1^{11}x_{12}x_4 - 2048u_2^{11}u_1^{11}x_{10}^2x_5 - 4096u_6u_2^{10}u_1^{12}x_{10}^2-$$
$$1024u_5u_2^{11}u_1^{10}x_{10}x_5x_1 + 1024u_6u_2^{11}u_1^{10}x_{10}x_4x_1-$$
$$512u_6u_2^{13}u_1^{9}x_{10}x_4 - 512u_5u_2^{12}u_1^{9}x_5x_4x_1 + 256u_6u_2^{14}u_1^{8}x_4^2-$$
$$256u_6u_5u_2^{13}u_1^{8}x_4x_1$$

Reduced to zero.

4043. Creating S-polynomial from the pair (p_{58}, p_{102}).

Forming S-pol of p_{58} and p_{102}:

$$p_{922} = 16384u_2^{20}u_1^{14}x_{12}x_4^2 + 32768u_5u_2^{19}u_1^{15}x_{12}x_4 -$$
$$32768u_2^{19}u_1^{15}x_{10}^2x_5 +$$
$$(131072u_2^{16}u_1^{17} - 65536u_2^{16}u_1^{16})x_{10}x_5x_4x_1 - 65536u_2^{18}u_1^{16}x_{10}x_5x_4 -$$
$$16384u_5u_2^{19}u_1^{14}x_{10}x_5x_1 + 32768u_5u_2^{19}u_1^{15}x_{10}x_5 +$$
$$(16384u_6u_2^{19}u_1^{14} + 65536u_6u_2^{17}u_1^{16})x_{10}x_4x_1 +$$
$$(-8192u_6u_2^{21}u_1^{13} - 32768u_6u_2^{19}u_1^{15} - 65536u_6u_2^{17}u_1^{16})x_{10}x_4 -$$
$$8192u_5u_2^{20}u_1^{13}x_5x_4x_1 + 4096u_6u_2^{22}u_1^{12}x_4^2 -$$
$$4096u_6u_5u_2^{21}u_1^{12}x_4x_1$$

S-pol added.

4044. Creating S-polynomial from the pair (p_{58}, p_{103}).

Forming S-pol of p_{58} and p_{103}: Polynomial too big for output (text size is 3074 characters, number of terms is 33)

Reduced to zero.

4045. Creating S-polynomial from the pair (p_{58}, p_{104}).

Skipping pair p_{58} and p_{104} because gcd of their leading monoms is zero.

4046. Creating S-polynomial from the pair (p_{58}, p_{105}).

Skipping pair p_{58} and p_{105} because gcd of their leading monoms is zero.

4047. Creating S-polynomial from the pair (p_{58}, p_{106}).

Skipping pair p_{58} and p_{106} because gcd of their leading monoms is zero.

4048. Creating S-polynomial from the pair (p_{59}, p_{60}).

Forming S-pol of p_{59} and p_{60}:

$$p_{923} = (-2048u_2^{23}u_1^{11} - 8192u_2^{21}u_1^{13})x_{12}^2x_4 +$$
$$(1024u_5u_2^{24}u_1^{10} + 4096u_5u_2^{22}u_1^{12})x_{12}^2 +$$
$$(2048u_2^{23}u_1^{11} + 8192u_2^{21}u_1^{13})x_{12}x_{10}x_5 +$$
$$(-1024u_6u_2^{24}u_1^{10} - 4096u_6u_2^{22}u_1^{12})x_{12}x_{10} +$$
$$(1024u_5u_2^{23}u_1^{10} + 4096u_5u_2^{21}u_1^{12})x_{12}x_5x_1 +$$
$$(-512u_5u_2^{25}u_1^{9} - 4096u_5u_2^{23}u_1^{11} - 8192u_5u_2^{21}u_1^{13})x_{12}x_5 +$$
$$(4096u_6u_2^{21}u_1^{12} + 16384u_6u_2^{19}u_1^{14})x_{12}x_4x_1 +$$
$$(512u_6u_5u_2^{24}u_1^{9} + 4096u_6u_5u_2^{22}u_1^{11} + 8192u_6u_5u_2^{20}u_1^{13})x_{12}x_1 +$$
$$(-1024u_6u_2^{23}u_1^{10} - 8192u_6u_2^{21}u_1^{12} - 16384u_6u_2^{19}u_1^{14})x_{10}x_5x_1 +$$
$$(512u_6u_2^{25}u_1^{9} + 4096u_6u_2^{23}u_1^{11} + 8192u_6u_2^{21}u_1^{13})x_{10}x_5 +$$
$$(-512u_6^2u_2^{24}u_1^{9} - 4096u_6^2u_2^{22}u_1^{11} - 8192u_6^2u_2^{20}u_1^{13})x_{10}x_1$$

Reduced to zero.

4049. Creating S-polynomial from the pair (p_{59}, p_{61}).

Forming S-pol of p_{59} and p_{61}:

$$p_{924} = 16384u_2^{19}u_1^{14}x_{12}x_{10}x_4 + 32768u_5u_2^{18}u_1^{15}x_{12}x_{10} -$$
$$16384u_2^{19}u_1^{14}x_{10}^2x_5 - 32768u_6u_2^{18}u_1^{15}x_{10}^2 -$$
$$8192u_5u_2^{19}u_1^{13}x_{10}x_5x_1 + 8192u_6u_2^{19}u_1^{13}x_{10}x_4x_1$$

Reduced to zero.

4050. Creating S-polynomial from the pair (p_{59}, p_{62}).

Forming S-pol of p_{59} and p_{62}: Polynomial too big for output (text size is 1604 characters, number of terms is 16)

Reduced to zero.

4051. Creating S-polynomial from the pair (p_{59}, p_{63}).

Forming S-pol of p_{59} and p_{63}:

$$p_{925} = 1024u_2^{17}u_1^{10}x_{12}^2x_4 - 512u_5u_2^{18}u_1^9x_{12}^2 - 1024u_2^{17}u_1^{10}x_{12}x_{10}x_5 +$$
$$512u_6u_2^{18}u_1^9x_{12}x_{10} - 512u_5u_2^{17}u_1^9x_{12}x_5x_1 +$$
$$(256u_5u_2^{19}u_1^8 + 1024u_5u_2^{17}u_1^{10})x_{12}x_5 - 2048u_6u_2^{15}u_1^{11}x_{12}x_4x_1 +$$
$$(-256u_6u_5u_2^{18}u_1^8 - 1024u_6u_5u_2^{16}u_1^{10})x_{12}x_1 +$$
$$(512u_6u_2^{17}u_1^9 + 2048u_6u_2^{15}u_1^{11})x_{10}x_5x_1 +$$
$$(-256u_6u_2^{19}u_1^8 - 1024u_6u_2^{17}u_1^{10})x_{10}x_5 +$$
$$(256u_6^2u_2^{18}u_1^8 + 1024u_6^2u_2^{16}u_1^{10})x_{10}x_1$$

Reduced to zero.

4052. Creating S-polynomial from the pair (p_{59}, p_{64}).

Skipping pair p_{59} and p_{64} because gcd of their leading monoms is zero.

4053. Creating S-polynomial from the pair (p_{59}, p_{65}).

Skipping pair p_{59} and p_{65} because gcd of their leading monoms is zero.

4054. Creating S-polynomial from the pair (p_{59}, p_{66}).

Skipping pair p_{59} and p_{66} because gcd of their leading monoms is zero.

4055. Creating S-polynomial from the pair (p_{59}, p_{67}).

Skipping pair p_{59} and p_{67} because gcd of their leading monoms is zero.

4056. Creating S-polynomial from the pair (p_{59}, p_{68}).

Skipping pair p_{59} and p_{68} because gcd of their leading monoms is zero.

4057. Creating S-polynomial from the pair (p_{59}, p_{69}).

Skipping pair p_{59} and p_{69} because gcd of their leading monoms is zero.

4058. Creating S-polynomial from the pair (p_{59}, p_{70}).

Skipping pair p_{59} and p_{70} because gcd of their leading monoms is zero.

4059. Creating S-polynomial from the pair (p_{59}, p_{71}).
Skipping pair p_{59} and p_{71} because gcd of their leading monoms is zero.

4060. Creating S-polynomial from the pair (p_{59}, p_{72}).
Skipping pair p_{59} and p_{72} because gcd of their leading monoms is zero.

4061. Creating S-polynomial from the pair (p_{59}, p_{73}).
Skipping pair p_{59} and p_{73} because gcd of their leading monoms is zero.

4062. Creating S-polynomial from the pair (p_{59}, p_{74}).
Forming S-pol of p_{59} and p_{74}:

$$p_{926} = -65536u_5u_2^{23}u_1^{16}x_{12}x_4 + 32768u_5^2u_2^{24}u_1^{15}x_{12}+$$
$$(131072u_6u_2^{22}u_1^{17} + 524288u_6u_2^{20}u_1^{19})x_{10}^2 + 65536u_5u_2^{23}u_1^{16}x_{10}x_5+$$
$$(-65536u_6u_2^{23}u_1^{16} - 262144u_6u_2^{21}u_1^{18})x_{10}x_4 - 524288u_6u_5u_2^{20}u_1^{19}x_{10}+$$
$$32768u_5^2u_2^{23}u_1^{15}x_5x_1+$$
$$(-16384u_5^2u_2^{25}u_1^{14} - 65536u_5^2u_2^{23}u_1^{16})x_5+$$
$$131072u_6u_5u_2^{21}u_1^{17}x_4x_1+$$
$$(16384u_6u_5^2u_2^{24}u_1^{14} + 65536u_6u_5^2u_2^{22}u_1^{16})x_1$$

Reduced to zero.

4063. Creating S-polynomial from the pair (p_{59}, p_{75}).
Forming S-pol of p_{59} and p_{75}:

$$p_{927} = -4096u_2^{17}u_1^{12}x_{12}x_4 + (1024u_5u_2^{18}u_1^{10} + 4096u_5u_2^{16}u_1^{12})x_{12}x_1+$$
$$(-512u_5u_2^{20}u_1^9 - 2048u_5u_2^{18}u_1^{11} - 8192u_5u_2^{16}u_1^{13})x_{12}+$$
$$4096u_2^{17}u_1^{12}x_{10}x_5 + 8192u_6u_2^{16}u_1^{13}x_{10} - 512u_5u_2^{19}u_1^9x_5x_1+$$
$$(256u_5u_2^{21}u_1^8 + 1024u_5u_2^{19}u_1^{10})x_5 - 2048u_6u_2^{17}u_1^{11}x_4x_1+$$
$$(-256u_6u_5u_2^{20}u_1^8 - 1024u_6u_5u_2^{18}u_1^{10})x_1$$

Reduced to zero.

4064. Creating S-polynomial from the pair (p_{59}, p_{76}).
Forming S-pol of p_{59} and p_{76}:

$$p_{928} = (134217728u_5u_2^{31}u_1^{26} + 268435456u_5u_2^{29}u_1^{28})x_{12}x_{10}x_4+$$
$$134217728u_5^2u_2^{30}u_1^{27}x_{12}x_{10}+$$
$$(-134217728u_6u_2^{30}u_1^{27} - 536870912u_6u_2^{28}u_1^{29})x_{10}^3-$$
$$67108864u_5u_2^{31}u_1^{26}x_{10}^2x_5+$$
$$(-33554432u_6u_5u_2^{32}u_1^{25} - 134217728u_6u_5u_2^{30}u_1^{27}+$$
$$536870912u_6u_5u_2^{28}u_1^{29})x_{10}^2+$$
$$(-33554432u_5u_2^{32}u_1^{25} - 134217728u_5u_2^{30}u_1^{27})x_{10}x_5x_4-$$

$$33554432u_5^2u_2^{31}u_1^{25}x_{10}x_5x_1 - 134217728u_6u_5u_2^{29}u_1^{27}x_{10}x_4x_1+$$
$$(16777216u_6u_5u_2^{33}u_1^{24} + 67108864u_6u_5u_2^{31}u_1^{26} + 67108864u_6u_2^{32}u_1^{26}+$$
$$268435456u_6u_2^{30}u_1^{28})x_{10}x_4+$$
$$(-16777216u_6u_5^2u_2^{32}u_1^{24} - 67108864u_6u_5^2u_2^{30}u_1^{26})x_{10}x_1+$$
$$(-33554432u_6u_5^2u_2^{32}u_1^{25} - 134217728u_6u_5^2u_2^{30}u_1^{27})x_{10}$$

Reduced to zero.

4065. Creating S-polynomial from the pair (p_{59}, p_{77}).

Forming S-pol of p_{59} and p_{77}:

$$p_{929} = 32768u_2^{19}u_1^{15}x_{12}x_{10}x_4 + 65536u_5u_2^{18}u_1^{16}x_{12}x_{10}-$$
$$32768u_2^{19}u_1^{15}x_{10}^2x_5 - 65536u_6u_2^{18}u_1^{16}x_{10}^2-$$
$$16384u_5u_2^{19}u_1^{14}x_{10}x_5x_1 + 16384u_6u_2^{19}u_1^{14}x_{10}x_4x_1$$

Reduced to zero.

4066. Creating S-polynomial from the pair (p_{59}, p_{78}).

Forming S-pol of p_{59} and p_{78}:

$$p_{930} = -131072u_2^{17}u_1^{17}x_{12}x_{10}x_4+$$
$$(-16384u_5u_2^{20}u_1^{14} - 65536u_5u_2^{18}u_1^{16} - 262144u_5u_2^{16}u_1^{18})x_{12}x_{10}+$$
$$131072u_2^{17}u_1^{17}x_{10}^2x_5+$$
$$(16384u_6u_2^{20}u_1^{14} + 65536u_6u_2^{18}u_1^{16} + 262144u_6u_2^{16}u_1^{18})x_{10}^2+$$
$$65536u_5u_2^{17}u_1^{16}x_{10}x_5x_1+$$
$$(8192u_5u_2^{21}u_1^{13} + 32768u_5u_2^{19}u_1^{15})x_{10}x_5 - 65536u_6u_2^{17}u_1^{16}x_{10}x_4x_1+$$
$$(-8192u_6u_2^{21}u_1^{13} - 32768u_6u_2^{19}u_1^{15})x_{10}x_4$$

Reduced to zero.

4067. Creating S-polynomial from the pair (p_{59}, p_{79}).

Forming S-pol of p_{59} and p_{79}: Polynomial too big for output (text size is 1295 characters, number of terms is 13)

S-pol added.

4068. Creating S-polynomial from the pair (p_{59}, p_{80}).

Forming S-pol of p_{59} and p_{80}:

$$p_{931} = 1024u_2^{19}u_1^{10}x_{12}x_4 - 512u_5u_2^{20}u_1^{9}x_{12} - 1024u_2^{19}u_1^{10}x_{10}x_5+$$
$$(1024u_6u_2^{18}u_1^{10} + 4096u_6u_2^{16}u_1^{12})x_{10}x_1 - 2048u_6u_2^{18}u_1^{11}x_{10}-$$
$$512u_5u_2^{19}u_1^{9}x_5x_1+$$
$$(256u_5u_2^{21}u_1^{8} + 1024u_5u_2^{19}u_1^{10})x_5 - 2048u_6u_2^{17}u_1^{11}x_4x_1+$$
$$(-256u_6u_5u_2^{20}u_1^{8} - 1024u_6u_5u_2^{18}u_1^{10})x_1$$

Reduced to zero.

4069. Creating S-polynomial from the pair (p_{59}, p_{81}).
Skipping pair p_{59} and p_{81} because gcd of their leading monoms is zero.

4070. Creating S-polynomial from the pair (p_{59}, p_{82}).
Skipping pair p_{59} and p_{82} because gcd of their leading monoms is zero.

4071. Creating S-polynomial from the pair (p_{59}, p_{83}).
Skipping pair p_{59} and p_{83} because gcd of their leading monoms is zero.

4072. Creating S-polynomial from the pair (p_{59}, p_{84}).
Skipping pair p_{59} and p_{84} because gcd of their leading monoms is zero.

4073. Creating S-polynomial from the pair (p_{59}, p_{85}).
Skipping pair p_{59} and p_{85} because gcd of their leading monoms is zero.

4074. Creating S-polynomial from the pair (p_{59}, p_{86}).
Skipping pair p_{59} and p_{86} because gcd of their leading monoms is zero.

4075. Creating S-polynomial from the pair (p_{59}, p_{87}).
Skipping pair p_{59} and p_{87} because gcd of their leading monoms is zero.

4076. Creating S-polynomial from the pair (p_{59}, p_{88}).
Skipping pair p_{59} and p_{88} because gcd of their leading monoms is zero.

4077. Creating S-polynomial from the pair (p_{59}, p_{89}).
Skipping pair p_{59} and p_{89} because gcd of their leading monoms is zero.

4078. Creating S-polynomial from the pair (p_{59}, p_{90}).
Skipping pair p_{59} and p_{90} because gcd of their leading monoms is zero.

4079. Creating S-polynomial from the pair (p_{59}, p_{91}).
Skipping pair p_{59} and p_{91} because gcd of their leading monoms is zero.

4080. Creating S-polynomial from the pair (p_{59}, p_{92}).
Skipping pair p_{59} and p_{92} because gcd of their leading monoms is zero.

4081. Creating S-polynomial from the pair (p_{59}, p_{93}).
Skipping pair p_{59} and p_{93} because gcd of their leading monoms is zero.

4082. Creating S-polynomial from the pair (p_{59}, p_{94}).
Skipping pair p_{59} and p_{94} because gcd of their leading monoms is zero.

4083. Creating S-polynomial from the pair (p_{59}, p_{95}).
Skipping pair p_{59} and p_{95} because gcd of their leading monoms is zero.

4084. Creating S-polynomial from the pair (p_{59}, p_{96}).
Skipping pair p_{59} and p_{96} because gcd of their leading monoms is zero.

4085. Creating S-polynomial from the pair (p_{59}, p_{97}).
Skipping pair p_{59} and p_{97} because gcd of their leading monoms is zero.

4086. Creating S-polynomial from the pair (p_{59}, p_{98}).

Forming S-pol of p_{59} and p_{98}: Polynomial too big for output (text size is 5239 characters, number of terms is 34)

Reduced to zero.

4087. Creating S-polynomial from the pair (p_{59}, p_{99}).

Skipping pair p_{59} and p_{99} because gcd of their leading monoms is zero.

4088. Creating S-polynomial from the pair (p_{59}, p_{100}).

Forming S-pol of p_{59} and p_{100}: Polynomial too big for output (text size is 1310 characters, number of terms is 15)

Reduced to zero.

4089. Creating S-polynomial from the pair (p_{59}, p_{101}).

Forming S-pol of p_{59} and p_{101}:

$$p_{932} = (-8192u_5u_2^{16}u_1^{13} - 32768u_5u_2^{14}u_1^{15})x_{12}x_{10} - 2048u_2^{18}u_1^{11}x_{12}x_4^2+$$
$$1024u_5u_2^{19}u_1^{10}x_{12}x_4 + (4096u_2^{17}u_1^{12} + 16384u_2^{15}u_1^{14})x_{10}^2x_5+$$
$$(8192u_6u_2^{16}u_1^{13} + 32768u_6u_2^{14}u_1^{15})x_{10}^2 - 8192u_2^{16}u_1^{13}x_{10}x_5x_4+$$
$$(2048u_5u_2^{17}u_1^{11} + 8192u_5u_2^{15}u_1^{13})x_{10}x_5x_1+$$
$$(-2048u_6u_2^{17}u_1^{11} - 8192u_6u_2^{15}u_1^{13})x_{10}x_4x_1 - 16384u_6u_2^{15}u_1^{14}x_{10}x_4+$$
$$1024u_5u_2^{18}u_1^{10}x_5x_4x_1+$$
$$(-512u_5u_2^{20}u_1^{9} - 2048u_5u_2^{18}u_1^{11})x_5x_4 + 4096u_6u_2^{16}u_1^{12}x_4^2x_1+$$
$$(512u_6u_5u_2^{19}u_1^{9} + 2048u_6u_5u_2^{17}u_1^{11})x_4x_1$$

Reduced to zero.

4090. Creating S-polynomial from the pair (p_{59}, p_{102}).

Forming S-pol of p_{59} and p_{102}:

$$p_{933} = -32768u_2^{26}u_1^{15}x_{12}x_4^2 + 16384u_5u_2^{27}u_1^{14}x_{12}x_4+$$
$$(65536u_2^{25}u_1^{16} + 262144u_2^{23}u_1^{18})x_{10}^2x_5+$$
$$(-262144u_2^{22}u_1^{18} + 131072u_2^{22}u_1^{17} - 1048576u_2^{20}u_1^{20}+$$
$$524288u_2^{20}u_1^{19})x_{10}x_5x_4x_1 + 524288u_2^{22}u_1^{19}x_{10}x_5x_4+$$
$$(32768u_5u_2^{25}u_1^{15} + 131072u_5u_2^{23}u_1^{17})x_{10}x_5x_1+$$
$$(-65536u_5u_2^{25}u_1^{16} - 262144u_5u_2^{23}u_1^{18})x_{10}x_5+$$
$$(-32768u_6u_2^{25}u_1^{15} - 262144u_6u_2^{23}u_1^{17} - 524288u_6u_2^{21}u_1^{19})x_{10}x_4x_1+$$
$$(65536u_6u_2^{25}u_1^{16} + 131072u_6u_2^{23}u_1^{17} + 524288u_6u_2^{21}u_1^{19})x_{10}x_4+$$
$$16384u_5u_2^{26}u_1^{14}x_5x_4x_1+$$
$$(-8192u_5u_2^{28}u_1^{13} - 32768u_5u_2^{26}u_1^{15})x_5x_4 + 65536u_6u_2^{24}u_1^{16}x_4^2x_1+$$
$$(8192u_6u_5u_2^{27}u_1^{13} + 32768u_6u_5u_2^{25}u_1^{15})x_4x_1$$

S-pol added.

4091. Creating S-polynomial from the pair (p_{59}, p_{103}).

Forming S-pol of p_{59} and p_{103}: Polynomial too big for output (text size is 5251 characters, number of terms is 34)

Reduced to zero.

4092. Creating S-polynomial from the pair (p_{59}, p_{104}).

Skipping pair p_{59} and p_{104} because gcd of their leading monoms is zero.

4093. Creating S-polynomial from the pair (p_{59}, p_{105}).

Skipping pair p_{59} and p_{105} because gcd of their leading monoms is zero.

4094. Creating S-polynomial from the pair (p_{59}, p_{106}).

Skipping pair p_{59} and p_{106} because gcd of their leading monoms is zero.

4095. Creating S-polynomial from the pair (p_{60}, p_{61}).

Forming S-pol of p_{60} and p_{61}:

$$p_{934} = (512u_5u_2^{18}u_1^9 + 2048u_5u_2^{16}u_1^{11})x_{12}^2+$$
$$(-512u_6u_2^{18}u_1^9 - 2048u_6u_2^{16}u_1^{11})x_{12}x_{10}+$$
$$(-256u_5u_2^{19}u_1^8 - 1024u_5u_2^{17}u_1^{10})x_{12}x_5+$$
$$(512u_6u_2^{17}u_1^9 + 2048u_6u_2^{15}u_1^{11})x_{12}x_4x_1+$$
$$(256u_6u_5u_2^{18}u_1^8 + 1024u_6u_5u_2^{16}u_1^{10})x_{12}x_1+$$
$$(-512u_6u_2^{17}u_1^9 - 2048u_6u_2^{15}u_1^{11})x_{10}x_5x_1+$$
$$(256u_6u_2^{19}u_1^8 + 1024u_6u_2^{17}u_1^{10})x_{10}x_5+$$
$$(-256u_6^2u_2^{18}u_1^8 - 1024u_6^2u_2^{16}u_1^{10})x_{10}x_1$$

Reduced to zero.

4096. Creating S-polynomial from the pair (p_{60}, p_{62}).

Forming S-pol of p_{60} and p_{62}:

$$p_{935} = (32768u_2^{29}u_1^{15} + 131072u_2^{27}u_1^{17})x_{12}x_{10}x_5+$$
$$(-16384u_2^{30}u_1^{14} - 65536u_2^{28}u_1^{16})x_{12}x_5x_4+$$
$$(8192u_5u_2^{31}u_1^{13} - 131072u_5u_2^{27}u_1^{17})x_{12}x_5+$$
$$(4096u_6u_5u_2^{31}u_1^{12} + 16384u_6u_5u_2^{29}u_1^{14} + 16384u_5u_2^{30}u_1^{14}+$$
$$65536u_5u_2^{28}u_1^{16})x_5x_1 + (-8192u_5u_2^{32}u_1^{13} - 32768u_5u_2^{30}u_1^{15})x_5+$$
$$(-8192u_6^2u_5u_2^{30}u_1^{13} - 32768u_6^2u_5u_2^{28}u_1^{15})x_1+$$
$$(4096u_6^2u_5u_2^{32}u_1^{12} + 16384u_6^2u_5u_2^{30}u_1^{14})$$

Reduced to zero.

4097. Creating S-polynomial from the pair (p_{60}, p_{63}).
Forming S-pol of p_{60} and p_{63}:

$$p_{936} = 0$$

Reduced to zero.

4098. Creating S-polynomial from the pair (p_{60}, p_{64}).
Skipping pair p_{60} and p_{64} because gcd of their leading monoms is zero.

4099. Creating S-polynomial from the pair (p_{60}, p_{65}).
Skipping pair p_{60} and p_{65} because gcd of their leading monoms is zero.

4100. Creating S-polynomial from the pair (p_{60}, p_{66}).
Skipping pair p_{60} and p_{66} because gcd of their leading monoms is zero.

4101. Creating S-polynomial from the pair (p_{60}, p_{67}).
Skipping pair p_{60} and p_{67} because gcd of their leading monoms is zero.

4102. Creating S-polynomial from the pair (p_{60}, p_{68}).
Skipping pair p_{60} and p_{68} because gcd of their leading monoms is zero.

4103. Creating S-polynomial from the pair (p_{60}, p_{69}).
Skipping pair p_{60} and p_{69} because gcd of their leading monoms is zero.

4104. Creating S-polynomial from the pair (p_{60}, p_{70}).
Skipping pair p_{60} and p_{70} because gcd of their leading monoms is zero.

4105. Creating S-polynomial from the pair (p_{60}, p_{71}).
Skipping pair p_{60} and p_{71} because gcd of their leading monoms is zero.

4106. Creating S-polynomial from the pair (p_{60}, p_{72}).
Skipping pair p_{60} and p_{72} because gcd of their leading monoms is zero.

4107. Creating S-polynomial from the pair (p_{60}, p_{73}).
Skipping pair p_{60} and p_{73} because gcd of their leading monoms is zero.

4108. Creating S-polynomial from the pair (p_{60}, p_{74}).
Forming S-pol of p_{60} and p_{74}:

$$\begin{gathered}
p_{937} = (8192u_6u_2^{20}u_1^{13} + 32768u_6u_2^{18}u_1^{15})x_{12}x_{10}+ \\
(-4096u_6u_2^{21}u_1^{12} - 16384u_6u_2^{19}u_1^{14})x_{12}x_4+ \\
(2048u_6u_5u_2^{22}u_1^{11} - 32768u_6u_5u_2^{18}u_1^{15})x_{12}+ \\
(2048u_6u_5u_2^{21}u_1^{11} + 8192u_6u_5u_2^{19}u_1^{13})x_5x_1+ \\
(-1024u_6u_5u_2^{23}u_1^{10} - 4096u_6u_5u_2^{21}u_1^{12})x_5+ \\
(1024u_6^2u_5u_2^{22}u_1^{10} + 4096u_6^2u_5u_2^{20}u_1^{12})x_1
\end{gathered}$$

Reduced to zero.

4109. Creating S-polynomial from the pair (p_{60}, p_{75}).

Skipping pair p_{60} and p_{75} because gcd of their leading monoms is zero.

4110. Creating S-polynomial from the pair (p_{60}, p_{76}).

Forming S-pol of p_{60} and p_{76}: Polynomial too big for output (text size is 1090 characters, number of terms is 11)

Reduced to zero.

4111. Creating S-polynomial from the pair (p_{60}, p_{77}).

Forming S-pol of p_{60} and p_{77}:

$$p_{938} = (1024u_5u_2^{18}u_1^{10} + 4096u_5u_2^{16}u_1^{12})x_{12}^2+$$
$$(-1024u_6u_2^{18}u_1^{10} - 4096u_6u_2^{16}u_1^{12})x_{12}x_{10}+$$
$$(-512u_5u_2^{19}u_1^{9} - 2048u_5u_2^{17}u_1^{11})x_{12}x_5+$$
$$(1024u_6u_2^{17}u_1^{10} + 4096u_6u_2^{15}u_1^{12})x_{12}x_4x_1+$$
$$(512u_6u_5u_2^{18}u_1^{9} + 2048u_6u_5u_2^{16}u_1^{11})x_{12}x_1+$$
$$(-1024u_6u_2^{17}u_1^{10} - 4096u_6u_2^{15}u_1^{12})x_{10}x_5x_1+$$
$$(512u_6u_2^{19}u_1^{9} + 2048u_6u_2^{17}u_1^{11})x_{10}x_5+$$
$$(-512u_6^2u_2^{18}u_1^{9} - 2048u_6^2u_2^{16}u_1^{11})x_{10}x_1$$

Reduced to zero.

4112. Creating S-polynomial from the pair (p_{60}, p_{78}).

Forming S-pol of p_{60} and p_{78}:

$$p_{939} = (-2048u_2^{17}u_1^{11} - 8192u_2^{15}u_1^{13})x_{12}^2x_4+$$
$$(-4096u_5u_2^{16}u_1^{12} - 16384u_5u_2^{14}u_1^{14})x_{12}^2+$$
$$(2048u_2^{17}u_1^{11} + 8192u_2^{15}u_1^{13})x_{12}x_{10}x_5+$$
$$(4096u_6u_2^{16}u_1^{12} + 16384u_6u_2^{14}u_1^{14})x_{12}x_{10}+$$
$$(1024u_5u_2^{17}u_1^{10} + 4096u_5u_2^{15}u_1^{12})x_{12}x_5x_1+$$
$$(-512u_6u_2^{19}u_1^{9} - 2048u_6u_2^{17}u_1^{11})x_{12}x_4+$$
$$(512u_6u_5u_2^{18}u_1^{9} + 2048u_6u_5u_2^{16}u_1^{11})x_{12}x_1+$$
$$(-1024u_6u_2^{17}u_1^{10} - 4096u_6u_2^{15}u_1^{12})x_{10}x_5x_1+$$
$$(512u_6u_2^{19}u_1^{9} + 2048u_6u_2^{17}u_1^{11})x_{10}x_5+$$
$$(-512u_6^2u_2^{18}u_1^{9} - 2048u_6^2u_2^{16}u_1^{11})x_{10}x_1$$

Reduced to zero.

4113. Creating S-polynomial from the pair (p_{60}, p_{79}).

Forming S-pol of p_{60} and p_{79}: Polynomial too big for output (text size is 1148 characters, number of terms is 10)

S-pol added.

4114. Creating S-polynomial from the pair (p_{60}, p_{80}).
Forming S-pol of p_{60} and p_{80}:

$$p_{940} = (64u_6u_2^{16}u_1^6 + 256u_6u_2^{14}u_1^8)x_{12}x_1+$$
$$(-32u_6u_2^{18}u_1^5 - 128u_6u_2^{16}u_1^7)x_{12}+$$
$$(-32u_6u_2^{17}u_1^5 - 128u_6u_2^{15}u_1^7)x_5x_1+$$
$$(16u_6u_2^{19}u_1^4 + 64u_6u_2^{17}u_1^6)x_5+$$
$$(-16u_6^2u_2^{18}u_1^4 - 64u_6^2u_2^{16}u_1^6)x_1$$

Reduced to zero.

4115. Creating S-polynomial from the pair (p_{60}, p_{81}).
Skipping pair p_{60} and p_{81} because gcd of their leading monoms is zero.

4116. Creating S-polynomial from the pair (p_{60}, p_{82}).
Skipping pair p_{60} and p_{82} because gcd of their leading monoms is zero.

4117. Creating S-polynomial from the pair (p_{60}, p_{83}).
Skipping pair p_{60} and p_{83} because gcd of their leading monoms is zero.

4118. Creating S-polynomial from the pair (p_{60}, p_{84}).
Skipping pair p_{60} and p_{84} because gcd of their leading monoms is zero.

4119. Creating S-polynomial from the pair (p_{60}, p_{85}).
Skipping pair p_{60} and p_{85} because gcd of their leading monoms is zero.

4120. Creating S-polynomial from the pair (p_{60}, p_{86}).
Skipping pair p_{60} and p_{86} because gcd of their leading monoms is zero.

4121. Creating S-polynomial from the pair (p_{60}, p_{87}).
Skipping pair p_{60} and p_{87} because gcd of their leading monoms is zero.

4122. Creating S-polynomial from the pair (p_{60}, p_{88}).
Skipping pair p_{60} and p_{88} because gcd of their leading monoms is zero.

4123. Creating S-polynomial from the pair (p_{60}, p_{89}).
Skipping pair p_{60} and p_{89} because gcd of their leading monoms is zero.

4124. Creating S-polynomial from the pair (p_{60}, p_{90}).
Skipping pair p_{60} and p_{90} because gcd of their leading monoms is zero.

4125. Creating S-polynomial from the pair (p_{60}, p_{91}).
Skipping pair p_{60} and p_{91} because gcd of their leading monoms is zero.

4126. Creating S-polynomial from the pair (p_{60}, p_{92}).
Skipping pair p_{60} and p_{92} because gcd of their leading monoms is zero.

4127. Creating S-polynomial from the pair (p_{60}, p_{93}).
Skipping pair p_{60} and p_{93} because gcd of their leading monoms is zero.

4128. Creating S-polynomial from the pair (p_{60}, p_{94}).

Skipping pair p_{60} and p_{94} because gcd of their leading monoms is zero.

4129. Creating S-polynomial from the pair (p_{60}, p_{95}).

Skipping pair p_{60} and p_{95} because gcd of their leading monoms is zero.

4130. Creating S-polynomial from the pair (p_{60}, p_{96}).

Skipping pair p_{60} and p_{96} because gcd of their leading monoms is zero.

4131. Creating S-polynomial from the pair (p_{60}, p_{97}).

Skipping pair p_{60} and p_{97} because gcd of their leading monoms is zero.

4132. Creating S-polynomial from the pair (p_{60}, p_{98}).

Forming S-pol of p_{60} and p_{98}: Polynomial too big for output (text size is 4885 characters, number of terms is 30)

Reduced to zero.

4133. Creating S-polynomial from the pair (p_{60}, p_{99}).

Skipping pair p_{60} and p_{99} because gcd of their leading monoms is zero.

4134. Creating S-polynomial from the pair (p_{60}, p_{100}).

Forming S-pol of p_{60} and p_{100}: Polynomial too big for output (text size is 1527 characters, number of terms is 16)

Reduced to zero.

4135. Creating S-polynomial from the pair (p_{60}, p_{101}).

Forming S-pol of p_{60} and p_{101}:

$$p_{941} = (-512u_5u_2^{14}u_1^9 - 2048u_5u_2^{12}u_1^{11})x_{12}^2+$$
$$(256u_2^{15}u_1^8 + 1024u_2^{13}u_1^{10})x_{12}x_{10}x_5+$$
$$(512u_6u_2^{14}u_1^9 + 2048u_6u_2^{12}u_1^{11})x_{12}x_{10}+$$
$$(-128u_2^{16}u_1^7 - 512u_2^{14}u_1^9)x_{12}x_5x_4+$$
$$(128u_5u_2^{15}u_1^7 + 512u_5u_2^{13}u_1^9)x_{12}x_5x_1+$$
$$(-128u_6u_2^{15}u_1^7 - 512u_6u_2^{13}u_1^9)x_{12}x_4x_1+$$
$$(64u_6u_2^{17}u_1^6 - 1024u_6u_2^{13}u_1^{10})x_{12}x_4+$$
$$(64u_6u_2^{16}u_1^6 + 256u_6u_2^{14}u_1^8)x_5x_4x_1+$$
$$(-32u_6u_2^{18}u_1^5 - 128u_6u_2^{16}u_1^7)x_5x_4+$$
$$(32u_6^2u_2^{17}u_1^5 + 128u_6^2u_2^{15}u_1^7)x_4x_1$$

Reduced to zero.

4136. Creating S-polynomial from the pair (p_{60}, p_{102}).

Forming S-pol of p_{60} and p_{102}:

$$p_{942} = (4096u_2^{23}u_1^{12} + 16384u_2^{21}u_1^{14})x_{12}x_{10}x_5+$$
$$(-16384u_2^{20}u_1^{14} + 8192u_2^{20}u_1^{13} - 65536u_2^{18}u_1^{16}+$$
$$32768u_2^{18}u_1^{15})x_{12}x_5x_4x_1 + (-2048u_2^{24}u_1^{11} + 32768u_2^{20}u_1^{15})x_{12}x_5x_4+$$
$$(2048u_5u_2^{23}u_1^{11} + 8192u_5u_2^{21}u_1^{13})x_{12}x_5x_1+$$
$$(-4096u_5u_2^{23}u_1^{12} - 16384u_5u_2^{21}u_1^{14})x_{12}x_5+$$
$$(-2048u_6u_2^{23}u_1^{11} - 16384u_6u_2^{21}u_1^{13} - 32768u_6u_2^{19}u_1^{15})x_{12}x_4x_1+$$
$$(1024u_6u_2^{25}u_1^{10} + 4096u_6u_2^{23}u_1^{12} + 8192u_6u_2^{21}u_1^{13}+$$
$$32768u_6u_2^{19}u_1^{15})x_{12}x_4 + (1024u_6u_2^{24}u_1^{10} + 4096u_6u_2^{22}u_1^{12})x_5x_4x_1+$$
$$(-512u_6u_2^{26}u_1^{9} - 2048u_6u_2^{24}u_1^{11})x_5x_4+$$
$$(512u_6^2u_2^{25}u_1^{9} + 2048u_6^2u_2^{23}u_1^{11})x_4x_1$$

S-pol added.

4137. Creating S-polynomial from the pair (p_{60}, p_{103}).

Forming S-pol of p_{60} and p_{103}: Polynomial too big for output (text size is 4893 characters, number of terms is 30)

Reduced to zero.

4138. Creating S-polynomial from the pair (p_{60}, p_{104}).

Skipping pair p_{60} and p_{104} because gcd of their leading monoms is zero.

4139. Creating S-polynomial from the pair (p_{60}, p_{105}).

Skipping pair p_{60} and p_{105} because gcd of their leading monoms is zero.

4140. Creating S-polynomial from the pair (p_{60}, p_{106}).

Skipping pair p_{60} and p_{106} because gcd of their leading monoms is zero.

4141. Creating S-polynomial from the pair (p_{61}, p_{62}).

Forming S-pol of p_{61} and p_{62}: Polynomial too big for output (text size is 1085 characters, number of terms is 15)

Reduced to zero.

4142. Creating S-polynomial from the pair (p_{61}, p_{63}).

Forming S-pol of p_{61} and p_{63}:

$$p_{943} = 256u_5u_2^{12}u_1^{8}x_{12}^2 - 256u_6u_2^{12}u_1^{8}x_{12}x_{10} - 128u_5u_2^{13}u_1^{7}x_{12}x_5+$$
$$256u_6u_2^{11}u_1^{8}x_{12}x_4x_1 + 128u_6u_5u_2^{12}u_1^{7}x_{12}x_1-$$
$$256u_6u_2^{11}u_1^{8}x_{10}x_5x_1 + 128u_6u_2^{13}u_1^{7}x_{10}x_5-$$
$$128u_6^2u_2^{12}u_1^{7}x_{10}x_1$$

Reduced to zero.

4143. Creating S-polynomial from the pair (p_{61}, p_{64}).
Skipping pair p_{61} and p_{64} because gcd of their leading monoms is zero.

4144. Creating S-polynomial from the pair (p_{61}, p_{65}).
Skipping pair p_{61} and p_{65} because gcd of their leading monoms is zero.

4145. Creating S-polynomial from the pair (p_{61}, p_{66}).
Skipping pair p_{61} and p_{66} because gcd of their leading monoms is zero.

4146. Creating S-polynomial from the pair (p_{61}, p_{67}).
Skipping pair p_{61} and p_{67} because gcd of their leading monoms is zero.

4147. Creating S-polynomial from the pair (p_{61}, p_{68}).
Skipping pair p_{61} and p_{68} because gcd of their leading monoms is zero.

4148. Creating S-polynomial from the pair (p_{61}, p_{69}).
Skipping pair p_{61} and p_{69} because gcd of their leading monoms is zero.

4149. Creating S-polynomial from the pair (p_{61}, p_{70}).
Skipping pair p_{61} and p_{70} because gcd of their leading monoms is zero.

4150. Creating S-polynomial from the pair (p_{61}, p_{71}).
Skipping pair p_{61} and p_{71} because gcd of their leading monoms is zero.

4151. Creating S-polynomial from the pair (p_{61}, p_{72}).
Skipping pair p_{61} and p_{72} because gcd of their leading monoms is zero.

4152. Creating S-polynomial from the pair (p_{61}, p_{73}).
Skipping pair p_{61} and p_{73} because gcd of their leading monoms is zero.

4153. Creating S-polynomial from the pair (p_{61}, p_{74}).
Forming S-pol of p_{61} and p_{74}:

$$p_{944} = -16384u_5^2u_2^{18}u_1^{14}x_{12} - 65536u_6u_2^{16}u_1^{16}x_{10}^2+$$
$$32768u_6u_2^{17}u_1^{15}x_{10}x_4 + 65536u_6u_5u_2^{16}u_1^{16}x_{10}+$$
$$8192u_5^2u_2^{19}u_1^{13}x_5 - 16384u_6u_5u_2^{17}u_1^{14}x_4x_1-$$
$$8192u_6u_5^2u_2^{18}u_1^{13}x_1$$

Reduced to zero.

4154. Creating S-polynomial from the pair (p_{61}, p_{75}).
Forming S-pol of p_{61} and p_{75}:

$$p_{945} = 512u_2^{13}u_1^9x_{12}x_4 - 512u_5u_2^{12}u_1^9x_{12}x_1+$$
$$(256u_5u_2^{14}u_1^8 + 1024u_5u_2^{12}u_1^{10})x_{12} - 512u_2^{13}u_1^9x_{10}x_5-$$
$$1024u_6u_2^{12}u_1^{10}x_{10} - 128u_5u_2^{15}u_1^7x_5 + 256u_6u_2^{13}u_1^8x_4x_1+$$
$$128u_6u_5u_2^{14}u_1^7x_1$$

Reduced to zero.

4155. Creating S-polynomial from the pair (p_{61}, p_{76}).

Forming S-pol of p_{61} and p_{76}:

$$p_{946} = -33554432u_5u_2^{25}u_1^{25}x_{12}x_{10}x_4 + 67108864u_6u_2^{24}u_1^{26}x_{10}^3+$$
$$(16777216u_6u_5u_2^{26}u_1^{24} - 67108864u_6u_5u_2^{24}u_1^{26})x_{10}^2+$$
$$16777216u_5u_2^{26}u_1^{24}x_{10}x_5x_4 + 16777216u_6u_5u_2^{25}u_1^{24}x_{10}x_4x_1+$$
$$(-8388608u_6u_5u_2^{27}u_1^{23} - 33554432u_6u_2^{26}u_1^{25})x_{10}x_4+$$
$$8388608u_6u_5^2u_2^{26}u_1^{23}x_{10}x_1 + 16777216u_6u_5^2u_2^{26}u_1^{24}x_{10}$$

Reduced to zero.

4156. Creating S-polynomial from the pair (p_{61}, p_{77}).

Forming S-pol of p_{61} and p_{77}:

$$p_{947} = 0$$

Reduced to zero.

4157. Creating S-polynomial from the pair (p_{61}, p_{78}).

Forming S-pol of p_{61} and p_{78}:

$$p_{948} = 16384u_2^{13}u_1^{14}x_{12}x_{10}x_4+$$
$$(8192u_5u_2^{14}u_1^{13} + 32768u_5u_2^{12}u_1^{15})x_{12}x_{10} - 16384u_2^{13}u_1^{14}x_{10}^2x_5+$$
$$(-8192u_6u_2^{14}u_1^{13} - 32768u_6u_2^{12}u_1^{15})x_{10}^2 - 8192u_5u_2^{13}u_1^{13}x_{10}x_5x_1-$$
$$4096u_5u_2^{15}u_1^{12}x_{10}x_5 + 8192u_6u_2^{13}u_1^{13}x_{10}x_4x_1+$$
$$4096u_6u_2^{15}u_1^{12}x_{10}x_4$$

Reduced to zero.

4158. Creating S-polynomial from the pair (p_{61}, p_{79}).

Forming S-pol of p_{61} and p_{79}:

$$p_{949} = (-16384u_5u_2^{22}u_1^{14} + 32768u_5u_2^{20}u_1^{15})x_{12}x_4 - 65536u_2^{20}u_1^{16}x_{10}^2x_5+$$
$$(262144u_2^{17}u_1^{18} - 131072u_2^{17}u_1^{17})x_{10}x_5x_4x_1+$$
$$(32768u_2^{21}u_1^{15} - 131072u_2^{19}u_1^{17})x_{10}x_5x_4 - 32768u_5u_2^{20}u_1^{15}x_{10}x_5x_1+$$
$$65536u_5u_2^{20}u_1^{16}x_{10}x_5+$$
$$(32768u_6u_2^{20}u_1^{15} + 131072u_6u_2^{18}u_1^{17} - 65536u_6u_2^{18}u_1^{16})x_{10}x_4x_1-$$
$$131072u_6u_2^{18}u_1^{17}x_{10}x_4 + (8192u_5u_2^{23}u_1^{13} - 16384u_5u_2^{21}u_1^{14})x_5x_4+$$
$$(-16384u_6u_2^{21}u_1^{14} + 32768u_6u_2^{19}u_1^{15})x_4^2x_1+$$
$$(-8192u_6u_5u_2^{22}u_1^{13} + 16384u_6u_5u_2^{20}u_1^{14})x_4x_1$$

S-pol added.

4159. Creating S-polynomial from the pair (p_{61}, p_{80}).
Forming S-pol of p_{61} and p_{80}:

$$p_{950} = 256u_5u_2^{14}u_1^8x_{12} - 512u_6u_2^{12}u_1^9x_{10}x_1 - 128u_5u_2^{15}u_1^7x_5 +$$
$$256u_6u_2^{13}u_1^8x_4x_1 + 128u_6u_5u_2^{14}u_1^7x_1$$

Reduced to zero.

4160. Creating S-polynomial from the pair (p_{61}, p_{81}).
Skipping pair p_{61} and p_{81} because gcd of their leading monoms is zero.

4161. Creating S-polynomial from the pair (p_{61}, p_{82}).
Skipping pair p_{61} and p_{82} because gcd of their leading monoms is zero.

4162. Creating S-polynomial from the pair (p_{61}, p_{83}).
Skipping pair p_{61} and p_{83} because gcd of their leading monoms is zero.

4163. Creating S-polynomial from the pair (p_{61}, p_{84}).
Skipping pair p_{61} and p_{84} because gcd of their leading monoms is zero.

4164. Creating S-polynomial from the pair (p_{61}, p_{85}).
Skipping pair p_{61} and p_{85} because gcd of their leading monoms is zero.

4165. Creating S-polynomial from the pair (p_{61}, p_{86}).
Skipping pair p_{61} and p_{86} because gcd of their leading monoms is zero.

4166. Creating S-polynomial from the pair (p_{61}, p_{87}).
Skipping pair p_{61} and p_{87} because gcd of their leading monoms is zero.

4167. Creating S-polynomial from the pair (p_{61}, p_{88}).
Skipping pair p_{61} and p_{88} because gcd of their leading monoms is zero.

4168. Creating S-polynomial from the pair (p_{61}, p_{89}).
Skipping pair p_{61} and p_{89} because gcd of their leading monoms is zero.

4169. Creating S-polynomial from the pair (p_{61}, p_{90}).
Skipping pair p_{61} and p_{90} because gcd of their leading monoms is zero.

4170. Creating S-polynomial from the pair (p_{61}, p_{91}).
Skipping pair p_{61} and p_{91} because gcd of their leading monoms is zero.

4171. Creating S-polynomial from the pair (p_{61}, p_{92}).
Skipping pair p_{61} and p_{92} because gcd of their leading monoms is zero.

4172. Creating S-polynomial from the pair (p_{61}, p_{93}).
Skipping pair p_{61} and p_{93} because gcd of their leading monoms is zero.

4173. Creating S-polynomial from the pair (p_{61}, p_{94}).
Skipping pair p_{61} and p_{94} because gcd of their leading monoms is zero.

4174. Creating S-polynomial from the pair (p_{61}, p_{95}).

Skipping pair p_{61} and p_{95} because gcd of their leading monoms is zero.

4175. Creating S-polynomial from the pair (p_{61}, p_{96}).

Skipping pair p_{61} and p_{96} because gcd of their leading monoms is zero.

4176. Creating S-polynomial from the pair (p_{61}, p_{97}).

Skipping pair p_{61} and p_{97} because gcd of their leading monoms is zero.

4177. Creating S-polynomial from the pair (p_{61}, p_{98}).

Forming S-pol of p_{61} and p_{98}: Polynomial too big for output (text size is 2811 characters, number of terms is 31)

Reduced to zero.

4178. Creating S-polynomial from the pair (p_{61}, p_{99}).

Skipping pair p_{61} and p_{99} because gcd of their leading monoms is zero.

4179. Creating S-polynomial from the pair (p_{61}, p_{100}).

Forming S-pol of p_{61} and p_{100}:

$$p_{951} = 33554432u_5u_2^{23}u_1^{25}x_{12}x_{10}^2+$$
$$(16777216u_5u_2^{24}u_1^{24} + 67108864u_5u_2^{22}u_1^{26} + 67108864u_2^{23}u_1^{26})x_{12}x_{10}x_4+$$
$$(8388608u_5^2u_2^{25}u_1^{23} - 33554432u_5^2u_2^{23}u_1^{25})x_{12}x_{10}-$$
$$33554432u_6u_2^{23}u_1^{25}x_{10}^3 - 33554432u_2^{23}u_1^{25}x_{10}^2x_5x_4-$$
$$16777216u_5u_2^{24}u_1^{24}x_{10}^2x_5 - 67108864u_6u_2^{22}u_1^{26}x_{10}^2x_4-$$
$$8388608u_6u_5u_2^{25}u_1^{23}x_{10}^2 - 16777216u_5u_2^{23}u_1^{24}x_{10}x_5x_4x_1-$$
$$8388608u_5u_2^{25}u_1^{23}x_{10}x_5x_4 - 4194304u_5^2u_2^{26}u_1^{22}x_{10}x_5+$$
$$16777216u_6u_2^{23}u_1^{24}x_{10}x_4^2x_1+$$
$$(4194304u_6u_5u_2^{26}u_1^{22} + 16777216u_6u_2^{25}u_1^{24})x_{10}x_4-$$
$$8388608u_6u_5^2u_2^{25}u_1^{23}x_{10}$$

Reduced to zero.

4180. Creating S-polynomial from the pair (p_{61}, p_{101}).

Forming S-pol of p_{61} and p_{101}:

$$p_{952} = 4096u_5u_2^{10}u_1^{12}x_{12}x_{10} - 512u_5u_2^{13}u_1^{9}x_{12}x_4 - 2048u_2^{11}u_1^{11}x_{10}^2x_5-$$
$$4096u_6u_2^{10}u_1^{12}x_{10}^2 + 1024u_2^{12}u_1^{10}x_{10}x_5x_4-$$
$$1024u_5u_2^{11}u_1^{10}x_{10}x_5x_1 + 1024u_6u_2^{11}u_1^{10}x_{10}x_4x_1+$$
$$2048u_6u_2^{11}u_1^{11}x_{10}x_4 + 256u_5u_2^{14}u_1^{8}x_5x_4 - 512u_6u_2^{12}u_1^{9}x_4^2x_1-$$
$$256u_6u_5u_2^{13}u_1^{8}x_4x_1$$

Reduced to zero.

4181. Creating S-polynomial from the pair (p_{61}, p_{102}).

Forming S-pol of p_{61} and p_{102}:

$$p_{953} = -8192u_5u_2^{21}u_1^{13}x_{12}x_4 - 32768u_2^{19}u_1^{15}x_{10}^2x_5+$$
$$(131072u_2^{16}u_1^{17} - 65536u_2^{16}u_1^{16})x_{10}x_5x_4x_1+$$
$$(16384u_2^{20}u_1^{14} - 65536u_2^{18}u_1^{16})x_{10}x_5x_4 - 16384u_5u_2^{19}u_1^{14}x_{10}x_5x_1+$$
$$32768u_5u_2^{19}u_1^{15}x_{10}x_5+$$
$$(16384u_6u_2^{19}u_1^{14} + 65536u_6u_2^{17}u_1^{16})x_{10}x_4x_1 - 65536u_6u_2^{17}u_1^{16}x_{10}x_4+$$
$$4096u_5u_2^{22}u_1^{12}x_5x_4 - 8192u_6u_2^{20}u_1^{13}x_4^2x_1-$$
$$4096u_6u_5u_2^{21}u_1^{12}x_4x_1$$

S-pol added.

4182. Creating S-polynomial from the pair (p_{61}, p_{103}).

Forming S-pol of p_{61} and p_{103}: Polynomial too big for output (text size is 2827 characters, number of terms is 31)

Reduced to zero.

4183. Creating S-polynomial from the pair (p_{61}, p_{104}).

Skipping pair p_{61} and p_{104} because gcd of their leading monoms is zero.

4184. Creating S-polynomial from the pair (p_{61}, p_{105}).

Skipping pair p_{61} and p_{105} because gcd of their leading monoms is zero.

4185. Creating S-polynomial from the pair (p_{61}, p_{106}).

Skipping pair p_{61} and p_{106} because gcd of their leading monoms is zero.

4186. Creating S-polynomial from the pair (p_{62}, p_{63}).

Forming S-pol of p_{62} and p_{63}:

$$p_{954} = 16384u_2^{23}u_1^{14}x_{12}x_{10}x_5 - 8192u_2^{24}u_1^{13}x_{12}x_5x_4+$$
$$(4096u_5u_2^{25}u_1^{12} - 16384u_5u_2^{23}u_1^{14})x_{12}x_5+$$
$$(2048u_6u_5u_2^{25}u_1^{11} + 8192u_5u_2^{24}u_1^{13})x_5x_1 - 4096u_5u_2^{26}u_1^{12}x_5-$$
$$4096u_6^2u_5u_2^{24}u_1^{12}x_1 + 2048u_6^2u_5u_2^{26}u_1^{11}$$

Reduced to zero.

4187. Creating S-polynomial from the pair (p_{62}, p_{64}).

Skipping pair p_{62} and p_{64} because gcd of their leading monoms is zero.

4188. Creating S-polynomial from the pair (p_{62}, p_{65}).

Skipping pair p_{62} and p_{65} because gcd of their leading monoms is zero.

4189. Creating S-polynomial from the pair (p_{62}, p_{66}).

Skipping pair p_{62} and p_{66} because gcd of their leading monoms is zero.

4190. Creating S-polynomial from the pair (p_{62}, p_{67}).

Forming S-pol of p_{62} and p_{67}: Polynomial too big for output (text size is 4024 characters, number of terms is 23)

Reduced to zero.

4191. Creating S-polynomial from the pair (p_{62}, p_{68}).

Skipping pair p_{62} and p_{68} because gcd of their leading monoms is zero.

4192. Creating S-polynomial from the pair (p_{62}, p_{69}).

Skipping pair p_{62} and p_{69} because gcd of their leading monoms is zero.

4193. Creating S-polynomial from the pair (p_{62}, p_{70}).

Skipping pair p_{62} and p_{70} because gcd of their leading monoms is zero.

4194. Creating S-polynomial from the pair (p_{62}, p_{71}).

Skipping pair p_{62} and p_{71} because gcd of their leading monoms is zero.

4195. Creating S-polynomial from the pair (p_{62}, p_{72}).

Forming S-pol of p_{62} and p_{72}: Polynomial too big for output (text size is 3507 characters, number of terms is 22)

Reduced to zero.

4196. Creating S-polynomial from the pair (p_{62}, p_{73}).

Skipping pair p_{62} and p_{73} because gcd of their leading monoms is zero.

4197. Creating S-polynomial from the pair (p_{62}, p_{74}).

Forming S-pol of p_{62} and p_{74}:

$$p_{955} = -1048576u_5u_2^{29}u_1^{20}x_{12}x_{10}x_5+$$
$$(1048576u_6u_2^{29}u_1^{20} + 4194304u_6u_2^{27}u_1^{22})x_{12}x_{10}x_4+$$
$$524288u_5u_2^{30}u_1^{19}x_{12}x_5x_4+$$
$$(-262144u_5^2u_2^{31}u_1^{18} + 1048576u_5^2u_2^{29}u_1^{20})x_{12}x_5+$$
$$(-524288u_6u_2^{30}u_1^{19} - 2097152u_6u_2^{28}u_1^{21})x_{12}x_4^2+$$
$$(262144u_6u_5u_2^{31}u_1^{18} - 4194304u_6u_5u_2^{27}u_1^{22})x_{12}x_4+$$
$$(262144u_6u_5u_2^{30}u_1^{18} + 1048576u_6u_5u_2^{28}u_1^{20})x_5x_4x_1+$$
$$(-131072u_6u_5u_2^{32}u_1^{17} - 524288u_6u_5u_2^{30}u_1^{19})x_5x_4+$$
$$(-131072u_6u_5^2u_2^{31}u_1^{17} - 524288u_5^2u_2^{30}u_1^{19})x_5x_1+$$
$$262144u_5^2u_2^{32}u_1^{18}x_5+$$
$$(131072u_6^2u_5u_2^{31}u_1^{17} + 524288u_6^2u_5u_2^{29}u_1^{19})x_4x_1+$$
$$262144u_6^2u_5^2u_2^{30}u_1^{18}x_1 - 131072u_6^2u_5^2u_2^{32}u_1^{17}$$

Reduced to zero.

4198. Creating S-polynomial from the pair (p_{62}, p_{75}).

Skipping pair p_{62} and p_{75} because gcd of their leading monoms is zero.

4199. Creating S-polynomial from the pair (p_{62}, p_{76}).

Forming S-pol of p_{62} and p_{76}: Polynomial too big for output (text size is 1674 characters, number of terms is 18)

Reduced to zero.

4200. Creating S-polynomial from the pair (p_{62}, p_{77}).

Forming S-pol of p_{62} and p_{77}: Polynomial too big for output (text size is 1090 characters, number of terms is 15)

Reduced to zero.

4201. Creating S-polynomial from the pair (p_{62}, p_{78}).

Forming S-pol of p_{62} and p_{78}: Polynomial too big for output (text size is 1170 characters, number of terms is 16)

Reduced to zero.

4202. Creating S-polynomial from the pair (p_{62}, p_{79}).

Forming S-pol of p_{62} and p_{79}: Polynomial too big for output (text size is 2080 characters, number of terms is 17)

S-pol added.

4203. Creating S-polynomial from the pair (p_{62}, p_{80}).

Forming S-pol of p_{62} and p_{80}:

$$p_{956} = 16384u_2^{25}u_1^{14}x_{12}x_{10}x_5 - 8192u_2^{26}u_1^{13}x_{12}x_5x_4+$$
$$(4096u_5u_2^{27}u_1^{12} - 16384u_5u_2^{25}u_1^{14})x_{12}x_5+$$
$$(8192u_6u_2^{25}u_1^{13} + 32768u_6u_2^{23}u_1^{15})x_{12}x_4x_1+$$
$$(-4096u_6u_2^{27}u_1^{12} - 16384u_6u_2^{25}u_1^{14})x_{12}x_4+$$
$$(-4096u_6u_2^{26}u_1^{12} - 16384u_6u_2^{24}u_1^{14})x_5x_4x_1+$$
$$(2048u_6u_2^{28}u_1^{11} + 8192u_6u_2^{26}u_1^{13})x_5x_4+$$
$$(2048u_6u_5u_2^{27}u_1^{11} + 8192u_5u_2^{26}u_1^{13})x_5x_1 - 4096u_5u_2^{28}u_1^{12}x_5+$$
$$(-2048u_6^2u_2^{27}u_1^{11} - 8192u_6^2u_2^{25}u_1^{13})x_4x_1-$$
$$4096u_6^2u_5u_2^{26}u_1^{12}x_1 + 2048u_6^2u_5u_2^{28}u_1^{11}$$

Reduced to zero.

4204. Creating S-polynomial from the pair (p_{62}, p_{81}).

Skipping pair p_{62} and p_{81} because gcd of their leading monoms is zero.

4205. Creating S-polynomial from the pair (p_{62}, p_{82}).

Skipping pair p_{62} and p_{82} because gcd of their leading monoms is zero.

4206. Creating S-polynomial from the pair (p_{62}, p_{83}).

Skipping pair p_{62} and p_{83} because gcd of their leading monoms is zero.

4207. Creating S-polynomial from the pair (p_{62}, p_{84}).

Skipping pair p_{62} and p_{84} because gcd of their leading monoms is zero.

4208. Creating S-polynomial from the pair (p_{62}, p_{85}).

Skipping pair p_{62} and p_{85} because gcd of their leading monoms is zero.

4209. Creating S-polynomial from the pair (p_{62}, p_{86}).

Forming S-pol of p_{62} and p_{86}: Polynomial too big for output (text size is 2723 characters, number of terms is 18)

S-pol added.

4210. Creating S-polynomial from the pair (p_{62}, p_{87}).

Skipping pair p_{62} and p_{87} because gcd of their leading monoms is zero.

4211. Creating S-polynomial from the pair (p_{62}, p_{88}).

Skipping pair p_{62} and p_{88} because gcd of their leading monoms is zero.

4212. Creating S-polynomial from the pair (p_{62}, p_{89}).

Skipping pair p_{62} and p_{89} because gcd of their leading monoms is zero.

4213. Creating S-polynomial from the pair (p_{62}, p_{90}).

Skipping pair p_{62} and p_{90} because gcd of their leading monoms is zero.

4214. Creating S-polynomial from the pair (p_{62}, p_{91}).

Skipping pair p_{62} and p_{91} because gcd of their leading monoms is zero.

4215. Creating S-polynomial from the pair (p_{62}, p_{92}).

Skipping pair p_{62} and p_{92} because gcd of their leading monoms is zero.

4216. Creating S-polynomial from the pair (p_{62}, p_{93}).

Forming S-pol of p_{62} and p_{93}: Polynomial too big for output (text size is 2735 characters, number of terms is 18)

S-pol added.

4217. Creating S-polynomial from the pair (p_{62}, p_{94}).

Skipping pair p_{62} and p_{94} because gcd of their leading monoms is zero.

4218. Creating S-polynomial from the pair (p_{62}, p_{95}).

Forming S-pol of p_{62} and p_{95}: Polynomial too big for output (text size is 2576 characters, number of terms is 22)

Reduced to zero.

4219. Creating S-polynomial from the pair (p_{62}, p_{96}).

Forming S-pol of p_{62} and p_{96}: Polynomial too big for output (text size is 1368 characters, number of terms is 16)

Reduced to zero.

4220. Creating S-polynomial from the pair (p_{62}, p_{97}).

Forming S-pol of p_{62} and p_{97}: Polynomial too big for output (text size is 1880 characters, number of terms is 18)

S-pol added.

4221. Creating S-polynomial from the pair (p_{62}, p_{98}).

Forming S-pol of p_{62} and p_{98}: Polynomial too big for output (text size is 6356 characters, number of terms is 37)

Reduced to zero.

4222. Creating S-polynomial from the pair (p_{62}, p_{99}).

Skipping pair p_{62} and p_{99} because gcd of their leading monoms is zero.

4223. Creating S-polynomial from the pair (p_{62}, p_{100}).

Forming S-pol of p_{62} and p_{100}: Polynomial too big for output (text size is 1831 characters, number of terms is 21)

Reduced to zero.

4224. Creating S-polynomial from the pair (p_{62}, p_{101}).

Forming S-pol of p_{62} and p_{101}: Polynomial too big for output (text size is 1101 characters, number of terms is 16)

S-pol added.

4225. Creating S-polynomial from the pair (p_{62}, p_{102}).

Forming S-pol of p_{62} and p_{102}: Polynomial too big for output (text size is 1428 characters, number of terms is 17)

S-pol added.

4226. Creating S-polynomial from the pair (p_{62}, p_{103}).

Forming S-pol of p_{62} and p_{103}: Polynomial too big for output (text size is 6372 characters, number of terms is 37)

Reduced to zero.

4227. Creating S-polynomial from the pair (p_{62}, p_{104}).

Forming S-pol of p_{62} and p_{104}: Polynomial too big for output (text size is 2605 characters, number of terms is 22)

Reduced to zero.

4228. Creating S-polynomial from the pair (p_{62}, p_{105}).

Forming S-pol of p_{62} and p_{105}: Polynomial too big for output (text size is 1382 characters, number of terms is 16)

Reduced to zero.

4229. Creating S-polynomial from the pair (p_{62}, p_{106}).

Forming S-pol of p_{62} and p_{106}: Polynomial too big for output (text size is 1893 characters, number of terms is 18)

S-pol added.

4230. Creating S-polynomial from the pair (p_{63}, p_{64}).
Skipping pair p_{63} and p_{64} because gcd of their leading monoms is zero.

4231. Creating S-polynomial from the pair (p_{63}, p_{65}).
Skipping pair p_{63} and p_{65} because gcd of their leading monoms is zero.

4232. Creating S-polynomial from the pair (p_{63}, p_{66}).
Skipping pair p_{63} and p_{66} because gcd of their leading monoms is zero.

4233. Creating S-polynomial from the pair (p_{63}, p_{67}).
Skipping pair p_{63} and p_{67} because gcd of their leading monoms is zero.

4234. Creating S-polynomial from the pair (p_{63}, p_{68}).
Skipping pair p_{63} and p_{68} because gcd of their leading monoms is zero.

4235. Creating S-polynomial from the pair (p_{63}, p_{69}).
Skipping pair p_{63} and p_{69} because gcd of their leading monoms is zero.

4236. Creating S-polynomial from the pair (p_{63}, p_{70}).
Skipping pair p_{63} and p_{70} because gcd of their leading monoms is zero.

4237. Creating S-polynomial from the pair (p_{63}, p_{71}).
Skipping pair p_{63} and p_{71} because gcd of their leading monoms is zero.

4238. Creating S-polynomial from the pair (p_{63}, p_{72}).
Skipping pair p_{63} and p_{72} because gcd of their leading monoms is zero.

4239. Creating S-polynomial from the pair (p_{63}, p_{73}).
Skipping pair p_{63} and p_{73} because gcd of their leading monoms is zero.

4240. Creating S-polynomial from the pair (p_{63}, p_{74}).
Forming S-pol of p_{63} and p_{74}:

$$p_{957} = -4096u_6u_2^{14}u_1^{12}x_{12}x_{10} + 2048u_6u_2^{15}u_1^{11}x_{12}x_4+$$
$$(-1024u_6u_5u_2^{16}u_1^{10} + 4096u_6u_5u_2^{14}u_1^{12})x_{12}-$$
$$1024u_6u_5u_2^{15}u_1^{10}x_5x_1 + 512u_6u_5u_2^{17}u_1^{9}x_5-$$
$$512u_6^2u_5u_2^{16}u_1^{9}x_1$$

Reduced to zero.

4241. Creating S-polynomial from the pair (p_{63}, p_{75}).
Skipping pair p_{63} and p_{75} because gcd of their leading monoms is zero.

4242. Creating S-polynomial from the pair (p_{63}, p_{76}).
Forming S-pol of p_{63} and p_{76}:

$$p_{958} = -2097152u_5u_2^{23}u_1^{21}x_{12}^2x_4 - 1048576u_5^2u_2^{24}u_1^{20}x_{12}^2+$$
$$4194304u_6u_2^{22}u_1^{22}x_{12}x_{10}^2+$$

$$(2097152u_6u_5u_2^{24}u_1^{20} - 4194304u_6u_5u_2^{22}u_1^{22})x_{12}x_{10}+$$
$$1048576u_5u_2^{24}u_1^{20}x_{12}x_5x_4 + 524288u_5^2u_2^{25}u_1^{19}x_{12}x_5+$$
$$(-524288u_6u_5u_2^{25}u_1^{19} - 2097152u_6u_2^{24}u_1^{21})x_{12}x_4+$$
$$1048576u_6u_5^2u_2^{24}u_1^{20}x_{12} + 1048576u_6u_5u_2^{23}u_1^{20}x_{10}x_5x_1-$$
$$524288u_6u_5u_2^{25}u_1^{19}x_{10}x_5 + 524288u_6^2u_5u_2^{24}u_1^{19}x_{10}x_1$$

Reduced to zero.

4243. Creating S-polynomial from the pair (p_{63}, p_{77}).

Forming S-pol of p_{63} and p_{77}:

$$p_{959} = -512u_5u_2^{12}u_1^9x_{12}^2 + 512u_6u_2^{12}u_1^9x_{12}x_{10} + 256u_5u_2^{13}u_1^8x_{12}x_5-$$
$$512u_6u_2^{11}u_1^9x_{12}x_4x_1 - 256u_6u_5u_2^{12}u_1^8x_{12}x_1+$$
$$512u_6u_2^{11}u_1^9x_{10}x_5x_1 - 256u_6u_2^{13}u_1^8x_{10}x_5+$$
$$256u_6^2u_2^{12}u_1^8x_{10}x_1$$

Reduced to zero.

4244. Creating S-polynomial from the pair (p_{63}, p_{78}).

Forming S-pol of p_{63} and p_{78}:

$$p_{960} = 1024u_2^{11}u_1^{10}x_{12}^2x_4 + 2048u_5u_2^{10}u_1^{11}x_{12}^2-$$
$$1024u_2^{11}u_1^{10}x_{12}x_{10}x_5 - 2048u_6u_2^{10}u_1^{11}x_{12}x_{10}-$$
$$512u_5u_2^{11}u_1^9x_{12}x_5x_1 + 256u_6u_2^{13}u_1^8x_{12}x_4-$$
$$256u_6u_5u_2^{12}u_1^8x_{12}x_1 + 512u_6u_2^{11}u_1^9x_{10}x_5x_1-$$
$$256u_6u_2^{13}u_1^8x_{10}x_5 + 256u_6^2u_2^{12}u_1^8x_{10}x_1$$

Reduced to zero.

4245. Creating S-polynomial from the pair (p_{63}, p_{79}).

Forming S-pol of p_{63} and p_{79}:

$$p_{961} = -4096u_2^{18}u_1^{12}x_{12}x_{10}x_5 + (16384u_2^{15}u_1^{14} - 8192u_2^{15}u_1^{13})x_{12}x_5x_4x_1+$$
$$(2048u_2^{19}u_1^{11} - 8192u_2^{17}u_1^{13})x_{12}x_5x_4 - 2048u_5u_2^{18}u_1^{11}x_{12}x_5x_1+$$
$$4096u_5u_2^{18}u_1^{12}x_{12}x_5+$$
$$(2048u_6u_2^{18}u_1^{11} + 8192u_6u_2^{16}u_1^{13} - 4096u_6u_2^{16}u_1^{12})x_{12}x_4x_1+$$
$$(-1024u_6u_2^{20}u_1^{10} + 2048u_6u_2^{18}u_1^{11} - 8192u_6u_2^{16}u_1^{13})x_{12}x_4+$$
$$(-1024u_6u_2^{19}u_1^{10} + 2048u_6u_2^{17}u_1^{11})x_5x_4x_1+$$
$$(512u_6u_2^{21}u_1^9 - 1024u_6u_2^{19}u_1^{10})x_5x_4+$$
$$(-512u_6^2u_2^{20}u_1^9 + 1024u_6^2u_2^{18}u_1^{10})x_4x_1$$

S-pol added.

4246. Creating S-polynomial from the pair (p_{63}, p_{80}).
Forming S-pol of p_{63} and p_{80}:

$$p_{962} = -32u_6u_2^{10}u_1^5x_{12}x_1 + 16u_6u_2^{12}u_1^4x_{12} + 16u_6u_2^{11}u_1^4x_5x_1 - 8u_6u_2^{13}u_1^3x_5 + 8u_6^2u_2^{12}u_1^3x_1$$

Reduced to zero.

4247. Creating S-polynomial from the pair (p_{63}, p_{81}).
Skipping pair p_{63} and p_{81} because gcd of their leading monoms is zero.

4248. Creating S-polynomial from the pair (p_{63}, p_{82}).
Skipping pair p_{63} and p_{82} because gcd of their leading monoms is zero.

4249. Creating S-polynomial from the pair (p_{63}, p_{83}).
Skipping pair p_{63} and p_{83} because gcd of their leading monoms is zero.

4250. Creating S-polynomial from the pair (p_{63}, p_{84}).
Skipping pair p_{63} and p_{84} because gcd of their leading monoms is zero.

4251. Creating S-polynomial from the pair (p_{63}, p_{85}).
Skipping pair p_{63} and p_{85} because gcd of their leading monoms is zero.

4252. Creating S-polynomial from the pair (p_{63}, p_{86}).
Skipping pair p_{63} and p_{86} because gcd of their leading monoms is zero.

4253. Creating S-polynomial from the pair (p_{63}, p_{87}).
Skipping pair p_{63} and p_{87} because gcd of their leading monoms is zero.

4254. Creating S-polynomial from the pair (p_{63}, p_{88}).
Skipping pair p_{63} and p_{88} because gcd of their leading monoms is zero.

4255. Creating S-polynomial from the pair (p_{63}, p_{89}).
Skipping pair p_{63} and p_{89} because gcd of their leading monoms is zero.

4256. Creating S-polynomial from the pair (p_{63}, p_{90}).
Skipping pair p_{63} and p_{90} because gcd of their leading monoms is zero.

4257. Creating S-polynomial from the pair (p_{63}, p_{91}).
Skipping pair p_{63} and p_{91} because gcd of their leading monoms is zero.

4258. Creating S-polynomial from the pair (p_{63}, p_{92}).
Skipping pair p_{63} and p_{92} because gcd of their leading monoms is zero.

4259. Creating S-polynomial from the pair (p_{63}, p_{93}).
Skipping pair p_{63} and p_{93} because gcd of their leading monoms is zero.

4260. Creating S-polynomial from the pair (p_{63}, p_{94}).
Skipping pair p_{63} and p_{94} because gcd of their leading monoms is zero.

4261. Creating S-polynomial from the pair (p_{63}, p_{95}).

Skipping pair p_{63} and p_{95} because gcd of their leading monoms is zero.

4262. Creating S-polynomial from the pair (p_{63}, p_{96}).

Skipping pair p_{63} and p_{96} because gcd of their leading monoms is zero.

4263. Creating S-polynomial from the pair (p_{63}, p_{97}).

Skipping pair p_{63} and p_{97} because gcd of their leading monoms is zero.

4264. Creating S-polynomial from the pair (p_{63}, p_{98}).

Forming S-pol of p_{63} and p_{98}: Polynomial too big for output (text size is 2745 characters, number of terms is 30)

Reduced to zero.

4265. Creating S-polynomial from the pair (p_{63}, p_{99}).

Skipping pair p_{63} and p_{99} because gcd of their leading monoms is zero.

4266. Creating S-polynomial from the pair (p_{63}, p_{100}).

Forming S-pol of p_{63} and p_{100}:

$$p_{963} = 2097152u_5u_2^{21}u_1^{21}x_{12}^2x_{10}+$$
$$(4194304u_5u_2^{20}u_1^{22} + 4194304u_2^{21}u_1^{22})x_{12}^2x_4+$$
$$(524288u_5^2u_2^{23}u_1^{19} - 2097152u_5^2u_2^{21}u_1^{21})x_{12}^2-$$
$$2097152u_6u_2^{21}u_1^{21}x_{12}x_{10}^2 - 2097152u_2^{21}u_1^{21}x_{12}x_{10}x_5x_4-$$
$$1048576u_5u_2^{22}u_1^{20}x_{12}x_{10}x_5+$$
$$(1048576u_6u_2^{22}u_1^{20} - 4194304u_6u_2^{20}u_1^{22})x_{12}x_{10}x_4-$$
$$524288u_6u_5u_2^{23}u_1^{19}x_{12}x_{10} - 1048576u_5u_2^{21}u_1^{20}x_{12}x_5x_4x_1-$$
$$262144u_5^2u_2^{24}u_1^{18}x_{12}x_5 - 524288u_6u_5u_2^{22}u_1^{19}x_{12}x_4x_1+$$
$$(262144u_6u_5u_2^{24}u_1^{18} + 1048576u_6u_2^{23}u_1^{20})x_{12}x_4-$$
$$524288u_6u_5^2u_2^{23}u_1^{19}x_{12} + 1048576u_6u_2^{21}u_1^{20}x_{10}x_5x_4x_1-$$
$$524288u_6u_2^{23}u_1^{19}x_{10}x_5x_4 + 524288u_6^2u_2^{22}u_1^{19}x_{10}x_4x_1$$

Reduced to zero.

4267. Creating S-polynomial from the pair (p_{63}, p_{101}).

Forming S-pol of p_{63} and p_{101}:

$$p_{964} = 256u_5u_2^8u_1^8x_{12}^2 - 128u_2^9u_1^7x_{12}x_{10}x_5 - 256u_6u_2^8u_1^8x_{12}x_{10}+$$
$$64u_2^{10}u_1^6x_{12}x_5x_4 - 64u_5u_2^9u_1^6x_{12}x_5x_1+$$
$$64u_6u_2^9u_1^6x_{12}x_4x_1+$$
$$(-32u_6u_2^{11}u_1^5 + 128u_6u_2^9u_1^7)x_{12}x_4 - 32u_6u_2^{10}u_1^5x_5x_4x_1+$$
$$16u_6u_2^{12}u_1^4x_5x_4 - 16u_6^2u_2^{11}u_1^4x_4x_1$$

Reduced to zero.

4268. Creating S-polynomial from the pair (p_{63}, p_{102}).

Forming S-pol of p_{63} and p_{102}:

$$p_{965} = -2048u_2^{17}u_1^{11}x_{12}x_{10}x_5 + (8192u_2^{14}u_1^{13} - 4096u_2^{14}u_1^{12})x_{12}x_5x_4x_1+$$
$$(1024u_2^{18}u_1^{10} - 4096u_2^{16}u_1^{12})x_{12}x_5x_4 - 1024u_5u_2^{17}u_1^{10}x_{12}x_5x_1+$$
$$2048u_5u_2^{17}u_1^{11}x_{12}x_5 + (1024u_6u_2^{17}u_1^{10} + 4096u_6u_2^{15}u_1^{12})x_{12}x_4x_1+$$
$$(-512u_6u_2^{19}u_1^{9} - 4096u_6u_2^{15}u_1^{12})x_{12}x_4 - 512u_6u_2^{18}u_1^{9}x_5x_4x_1+$$
$$256u_6u_2^{20}u_1^{8}x_5x_4 - 256u_6^2u_2^{19}u_1^{8}x_4x_1$$

S-pol added.

4269. Creating S-polynomial from the pair (p_{63}, p_{103}).

Forming S-pol of p_{63} and p_{103}: Polynomial too big for output (text size is 2761 characters, number of terms is 30)

Reduced to zero.

4270. Creating S-polynomial from the pair (p_{63}, p_{104}).

Skipping pair p_{63} and p_{104} because gcd of their leading monoms is zero.

4271. Creating S-polynomial from the pair (p_{63}, p_{105}).

Skipping pair p_{63} and p_{105} because gcd of their leading monoms is zero.

4272. Creating S-polynomial from the pair (p_{63}, p_{106}).

Skipping pair p_{63} and p_{106} because gcd of their leading monoms is zero.

4273. Creating S-polynomial from the pair (p_{64}, p_{65}).

Forming S-pol of p_{64} and p_{65}:

$$p_{966} = (-8192u_4^{24}u_1^{13} - 32768u_4^{22}u_1^{15})x_{16}x_{14}x_4+$$
$$(4096u_5u_4^{24}u_1^{12} + 32768u_5u_4^{22}u_1^{14} + 65536u_5u_4^{20}u_1^{16})x_{16}x_4x_3+$$
$$(-2048u_5u_4^{26}u_1^{11} - 16384u_5u_4^{24}u_1^{13} - 32768u_5u_4^{22}u_1^{15})x_{16}x_4+$$
$$(2048u_5^2u_4^{25}u_1^{11} + 16384u_5^2u_4^{23}u_1^{13} + 32768u_5^2u_4^{21}u_1^{15})x_{16}x_3+$$
$$(8192u_4^{24}u_1^{13} + 32768u_4^{22}u_1^{15})x_{14}^2x_5+$$
$$(-16384u_5u_4^{22}u_1^{14} - 65536u_5u_4^{20}u_1^{16})x_{14}x_5x_3+$$
$$(2048u_5u_4^{26}u_1^{11} + 8192u_5u_4^{24}u_1^{13})x_{14}x_5+$$
$$(-4096u_6u_4^{24}u_1^{12} - 16384u_6u_4^{22}u_1^{14})x_{14}x_4x_3+$$
$$(8192u_6u_4^{24}u_1^{13} + 32768u_6u_4^{22}u_1^{15})x_{14}x_4+$$
$$(-2048u_6u_5u_4^{25}u_1^{11} - 16384u_6u_5u_4^{23}u_1^{13} - 32768u_6u_5u_4^{21}u_1^{15})x_{14}x_3$$

Reduced to zero.

4274. Creating S-polynomial from the pair (p_{64}, p_{66}).

Forming S-pol of p_{64} and p_{66}:

$$p_{967} = 0$$

Reduced to zero.

4275. Creating S-polynomial from the pair (p_{64}, p_{67}).

Forming S-pol of p_{64} and p_{67}: Polynomial too big for output (text size is 1714 characters, number of terms is 16)

Reduced to zero.

4276. Creating S-polynomial from the pair (p_{64}, p_{68}).

Forming S-pol of p_{64} and p_{68}:

$$p_{968} = (-512u_5u_4^{18}u_1^9 - 2048u_5u_4^{16}u_1^{11})x_{16}x_{14}+$$
$$(-512u_5u_4^{17}u_1^9 - 2048u_5u_4^{15}u_1^{11})x_{16}x_4x_3+$$
$$(256u_5u_4^{19}u_1^8 + 1024u_5u_4^{17}u_1^{10})x_{16}x_4+$$
$$(-256u_5^2u_4^{18}u_1^8 - 1024u_5^2u_4^{16}u_1^{10})x_{16}x_3+$$
$$(512u_6u_4^{18}u_1^9 + 2048u_6u_4^{16}u_1^{11})x_{14}^2+$$
$$(512u_5u_4^{17}u_1^9 + 2048u_5u_4^{15}u_1^{11})x_{14}x_5x_3+$$
$$(-256u_6u_4^{19}u_1^8 - 1024u_6u_4^{17}u_1^{10})x_{14}x_4+$$
$$(256u_6u_5u_4^{18}u_1^8 + 1024u_6u_5u_4^{16}u_1^{10})x_{14}x_3$$

Reduced to zero.

4277. Creating S-polynomial from the pair (p_{64}, p_{69}).

Forming S-pol of p_{64} and p_{69}:

$$p_{969} = (-8192u_4^{21}u_1^{13} - 32768u_4^{19}u_1^{15})x_{16}x_{14}x_4+$$
$$(-16384u_5u_4^{20}u_1^{14} - 65536u_5u_4^{18}u_1^{16})x_{16}x_{14}+$$
$$(1024u_5u_4^{23}u_1^{10} + 8192u_5u_4^{21}u_1^{12} + 16384u_5u_4^{19}u_1^{14})x_{16}x_4x_3+$$
$$(-512u_5u_4^{25}u_1^9 - 4096u_5u_4^{23}u_1^{11} - 8192u_5u_4^{21}u_1^{13})x_{16}x_4+$$
$$(512u_5^2u_4^{24}u_1^9 + 4096u_5^2u_4^{22}u_1^{11} + 8192u_5^2u_4^{20}u_1^{13})x_{16}x_3+$$
$$(8192u_4^{21}u_1^{13} + 32768u_4^{19}u_1^{15})x_{14}^2x_5+$$
$$(16384u_6u_4^{20}u_1^{14} + 65536u_6u_4^{18}u_1^{16})x_{14}^2+$$
$$(-1024u_5u_4^{23}u_1^{10} - 4096u_5u_4^{21}u_1^{12})x_{14}x_5x_3+$$
$$(512u_5u_4^{25}u_1^9 + 4096u_5u_4^{23}u_1^{11} + 8192u_5u_4^{21}u_1^{13})x_{14}x_5+$$
$$(-4096u_6u_4^{21}u_1^{12} - 16384u_6u_4^{19}u_1^{14})x_{14}x_4x_3+$$
$$(-512u_6u_5u_4^{24}u_1^9 - 4096u_6u_5u_4^{22}u_1^{11} - 8192u_6u_5u_4^{20}u_1^{13})x_{14}x_3$$

Reduced to zero.

4278. Creating S-polynomial from the pair (p_{64}, p_{70}).
Skipping pair p_{64} and p_{70} because gcd of their leading monoms is zero.

4279. Creating S-polynomial from the pair (p_{64}, p_{71}).
Forming S-pol of p_{64} and p_{71}:

$$p_{970} = (1024u_4^{17}u_1^{10} + 4096u_4^{15}u_1^{12})x_{16}x_{14}x_4+$$
$$(2048u_5u_4^{16}u_1^{11} + 8192u_5u_4^{14}u_1^{13})x_{16}x_{14}+$$
$$(-512u_5u_4^{17}u_1^{9} - 2048u_5u_4^{15}u_1^{11})x_{16}x_4x_3+$$
$$(256u_5u_4^{19}u_1^{8} + 1024u_5u_4^{17}u_1^{10})x_{16}x_4+$$
$$(-256u_5^2u_4^{18}u_1^{8} - 1024u_5^2u_4^{16}u_1^{10})x_{16}x_3+$$
$$(-1024u_4^{17}u_1^{10} - 4096u_4^{15}u_1^{12})x_{14}^2x_5+$$
$$(-2048u_6u_4^{16}u_1^{11} - 8192u_6u_4^{14}u_1^{13})x_{14}^2+$$
$$(-256u_5u_4^{19}u_1^{8} - 1024u_5u_4^{17}u_1^{10})x_{14}x_5+$$
$$(512u_6u_4^{17}u_1^{9} + 2048u_6u_4^{15}u_1^{11})x_{14}x_4x_3+$$
$$(256u_6u_5u_4^{18}u_1^{8} + 1024u_6u_5u_4^{16}u_1^{10})x_{14}x_3$$

Reduced to zero.

4280. Creating S-polynomial from the pair (p_{64}, p_{72}).
Skipping pair p_{64} and p_{72} because gcd of their leading monoms is zero.

4281. Creating S-polynomial from the pair (p_{64}, p_{73}).
Skipping pair p_{64} and p_{73} because gcd of their leading monoms is zero.

4282. Creating S-polynomial from the pair (p_{64}, p_{74}).
Skipping pair p_{64} and p_{74} because gcd of their leading monoms is zero.

4283. Creating S-polynomial from the pair (p_{64}, p_{75}).
Skipping pair p_{64} and p_{75} because gcd of their leading monoms is zero.

4284. Creating S-polynomial from the pair (p_{64}, p_{76}).
Skipping pair p_{64} and p_{76} because gcd of their leading monoms is zero.

4285. Creating S-polynomial from the pair (p_{64}, p_{77}).
Skipping pair p_{64} and p_{77} because gcd of their leading monoms is zero.

4286. Creating S-polynomial from the pair (p_{64}, p_{78}).
Skipping pair p_{64} and p_{78} because gcd of their leading monoms is zero.

4287. Creating S-polynomial from the pair (p_{64}, p_{79}).
Skipping pair p_{64} and p_{79} because gcd of their leading monoms is zero.

4288. Creating S-polynomial from the pair (p_{64}, p_{80}).
Skipping pair p_{64} and p_{80} because gcd of their leading monoms is zero.

4289. Creating S-polynomial from the pair (p_{64}, p_{81}).
Skipping pair p_{64} and p_{81} because gcd of their leading monoms is zero.

4290. Creating S-polynomial from the pair (p_{64}, p_{82}).
Skipping pair p_{64} and p_{82} because gcd of their leading monoms is zero.

4291. Creating S-polynomial from the pair (p_{64}, p_{83}).
Skipping pair p_{64} and p_{83} because gcd of their leading monoms is zero.

4292. Creating S-polynomial from the pair (p_{64}, p_{84}).
Skipping pair p_{64} and p_{84} because gcd of their leading monoms is zero.

4293. Creating S-polynomial from the pair (p_{64}, p_{85}).
Skipping pair p_{64} and p_{85} because gcd of their leading monoms is zero.

4294. Creating S-polynomial from the pair (p_{64}, p_{86}).
Skipping pair p_{64} and p_{86} because gcd of their leading monoms is zero.

4295. Creating S-polynomial from the pair (p_{64}, p_{87}).
Skipping pair p_{64} and p_{87} because gcd of their leading monoms is zero.

4296. Creating S-polynomial from the pair (p_{64}, p_{88}).
Skipping pair p_{64} and p_{88} because gcd of their leading monoms is zero.

4297. Creating S-polynomial from the pair (p_{64}, p_{89}).
Forming S-pol of p_{64} and p_{89}:

$$p_{971} = (64u_5u_4^{16}u_1^6 + 256u_5u_4^{14}u_1^8)x_{14}x_3+$$
$$(-32u_5u_4^{18}u_1^5 - 128u_5u_4^{16}u_1^7)x_{14}+$$
$$(-32u_5u_4^{17}u_1^5 - 128u_5u_4^{15}u_1^7)x_4x_3+$$
$$(16u_5u_4^{19}u_1^4 + 64u_5u_4^{17}u_1^6)x_4+$$
$$(-16u_5^2u_4^{18}u_1^4 - 64u_5^2u_4^{16}u_1^6)x_3$$

Reduced to zero.

4298. Creating S-polynomial from the pair (p_{64}, p_{90}).
Forming S-pol of p_{64} and p_{90}: Polynomial too big for output (text size is 1119 characters, number of terms is 12)

Reduced to zero.

4299. Creating S-polynomial from the pair (p_{64}, p_{91}).
Forming S-pol of p_{64} and p_{91}:

$$p_{972} = (2048u_4^{17}u_1^{11} + 8192u_4^{15}u_1^{13})x_{16}x_{14}x_4+$$
$$(4096u_5u_4^{16}u_1^{12} + 16384u_5u_4^{14}u_1^{14})x_{16}x_{14}+$$
$$(-1024u_5u_4^{17}u_1^{10} - 4096u_5u_4^{15}u_1^{12})x_{16}x_4x_3+$$
$$(512u_5u_4^{19}u_1^9 + 2048u_5u_4^{17}u_1^{11})x_{16}x_4+$$

$$(-512u_5^2u_4^{18}u_1^9 - 2048u_5^2u_4^{16}u_1^{11})x_{16}x_3+$$
$$(-2048u_4^{17}u_1^{11} - 8192u_4^{15}u_1^{13})x_{14}^2x_5+$$
$$(-4096u_6u_4^{16}u_1^{12} - 16384u_6u_4^{14}u_1^{14})x_{14}^2+$$
$$(-512u_5u_4^{19}u_1^9 - 2048u_5u_4^{17}u_1^{11})x_{14}x_5+$$
$$(1024u_6u_4^{17}u_1^{10} + 4096u_6u_4^{15}u_1^{12})x_{14}x_4x_3+$$
$$(512u_6u_5u_4^{18}u_1^9 + 2048u_6u_5u_4^{16}u_1^{11})x_{14}x_3$$

Reduced to zero.

4300. Creating S-polynomial from the pair (p_{64}, p_{92}).
Forming S-pol of p_{64} and p_{92}:

$$p_{973} = (-1024u_5u_4^{18}u_1^{10} - 4096u_5u_4^{16}u_1^{12})x_{16}x_{14}+$$
$$(-1024u_5u_4^{17}u_1^{10} - 4096u_5u_4^{15}u_1^{12})x_{16}x_4x_3+$$
$$(512u_5u_4^{19}u_1^9 + 2048u_5u_4^{17}u_1^{11})x_{16}x_4+$$
$$(-512u_5^2u_4^{18}u_1^9 - 2048u_5^2u_4^{16}u_1^{11})x_{16}x_3+$$
$$(1024u_6u_4^{18}u_1^{10} + 4096u_6u_4^{16}u_1^{12})x_{14}^2+$$
$$(1024u_5u_4^{17}u_1^{10} + 4096u_5u_4^{15}u_1^{12})x_{14}x_5x_3+$$
$$(-512u_6u_4^{19}u_1^9 - 2048u_6u_4^{17}u_1^{11})x_{14}x_4+$$
$$(512u_6u_5u_4^{18}u_1^9 + 2048u_6u_5u_4^{16}u_1^{11})x_{14}x_3$$

Reduced to zero.

4301. Creating S-polynomial from the pair (p_{64}, p_{93}).
Skipping pair p_{64} and p_{93} because gcd of their leading monoms is zero.

4302. Creating S-polynomial from the pair (p_{64}, p_{94}).
Skipping pair p_{64} and p_{94} because gcd of their leading monoms is zero.

4303. Creating S-polynomial from the pair (p_{64}, p_{95}).
Skipping pair p_{64} and p_{95} because gcd of their leading monoms is zero.

4304. Creating S-polynomial from the pair (p_{64}, p_{96}).
Skipping pair p_{64} and p_{96} because gcd of their leading monoms is zero.

4305. Creating S-polynomial from the pair (p_{64}, p_{97}).
Skipping pair p_{64} and p_{97} because gcd of their leading monoms is zero.

4306. Creating S-polynomial from the pair (p_{64}, p_{98}).
Skipping pair p_{64} and p_{98} because gcd of their leading monoms is zero.

4307. Creating S-polynomial from the pair (p_{64}, p_{99}).
Skipping pair p_{64} and p_{99} because gcd of their leading monoms is zero.

4308. Creating S-polynomial from the pair (p_{64}, p_{100}).
Skipping pair p_{64} and p_{100} because gcd of their leading monoms is zero.

4309. Creating S-polynomial from the pair (p_{64}, p_{101}).

Skipping pair p_{64} and p_{101} because gcd of their leading monoms is zero.

4310. Creating S-polynomial from the pair (p_{64}, p_{102}).

Skipping pair p_{64} and p_{102} because gcd of their leading monoms is zero.

4311. Creating S-polynomial from the pair (p_{64}, p_{103}).

Skipping pair p_{64} and p_{103} because gcd of their leading monoms is zero.

4312. Creating S-polynomial from the pair (p_{64}, p_{104}).

Forming S-pol of p_{64} and p_{104}: Polynomial too big for output (text size is 1430 characters, number of terms is 15)

Reduced to zero.

4313. Creating S-polynomial from the pair (p_{64}, p_{105}).

Skipping pair p_{64} and p_{105} because gcd of their leading monoms is zero.

4314. Creating S-polynomial from the pair (p_{64}, p_{106}).

Skipping pair p_{64} and p_{106} because gcd of their leading monoms is zero.

4315. Creating S-polynomial from the pair (p_{65}, p_{66}).

Forming S-pol of p_{65} and p_{66}:

$$p_{974} = -4096u_4^{18}u_1^{12}x_{16}x_{14}x_4 + (2048u_5u_4^{18}u_1^{11} + 8192u_5u_4^{16}u_1^{13})x_{16}x_4x_3+$$
$$(-1024u_5u_4^{20}u_1^{10} - 4096u_5u_4^{18}u_1^{12})x_{16}x_4+$$
$$(1024u_5^2u_4^{19}u_1^{10} + 4096u_5^2u_4^{17}u_1^{12})x_{16}x_3 + 4096u_4^{18}u_1^{12}x_{14}^2x_5-$$
$$8192u_5u_4^{16}u_1^{13}x_{14}x_5x_3 + 1024u_5u_4^{20}u_1^{10}x_{14}x_5-$$
$$2048u_6u_4^{18}u_1^{11}x_{14}x_4x_3 + 4096u_6u_4^{18}u_1^{12}x_{14}x_4+$$
$$(-1024u_6u_5u_4^{19}u_1^{10} - 4096u_6u_5u_4^{17}u_1^{12})x_{14}x_3$$

Reduced to zero.

4316. Creating S-polynomial from the pair (p_{65}, p_{67}).

Forming S-pol of p_{65} and p_{67}: Polynomial too big for output (text size is 1606 characters, number of terms is 17)

Reduced to zero.

4317. Creating S-polynomial from the pair (p_{65}, p_{68}).

Forming S-pol of p_{65} and p_{68}:

$$p_{975} = -65536u_4^{20}u_1^{16}x_{16}x_{14}x_4+$$
$$(-32768u_5u_4^{21}u_1^{15} - 131072u_5u_4^{19}u_1^{17})x_{16}x_{14} + 65536u_4^{20}u_1^{16}x_{14}^2x_5+$$
$$(32768u_6u_4^{21}u_1^{15} + 131072u_6u_4^{19}u_1^{17})x_{14}^2 + 32768u_5u_4^{20}u_1^{15}x_{14}x_5x_3+$$
$$16384u_5u_4^{22}u_1^{14}x_{14}x_5 - 32768u_6u_4^{20}u_1^{15}x_{14}x_4x_3-$$
$$16384u_6u_4^{22}u_1^{14}x_{14}x_4$$

Reduced to zero.

4318. Creating S-polynomial from the pair (p_{65}, p_{69}).

Forming S-pol of p_{65} and p_{69}:

$$p_{976} = (131072u_4^{26}u_1^{17} - 2097152u_4^{22}u_1^{21})x_{16}x_{14}x_4+$$
$$(-1048576u_5u_4^{23}u_1^{20} - 4194304u_5u_4^{21}u_1^{22})x_{16}x_{14}+$$
$$(-131072u_4^{26}u_1^{17} + 2097152u_4^{22}u_1^{21})x_{14}^2x_5+$$
$$(1048576u_6u_4^{23}u_1^{20} + 4194304u_6u_4^{21}u_1^{22})x_{14}^2+$$
$$(-65536u_5u_4^{26}u_1^{16} + 1048576u_5u_4^{22}u_1^{20})x_{14}x_5x_3+$$
$$(131072u_5u_4^{26}u_1^{17} + 524288u_5u_4^{24}u_1^{19})x_{14}x_5+$$
$$(65536u_6u_4^{26}u_1^{16} - 1048576u_6u_4^{22}u_1^{20})x_{14}x_4x_3+$$
$$(-131072u_6u_4^{26}u_1^{17} - 524288u_6u_4^{24}u_1^{19})x_{14}x_4$$

Reduced to zero.

4319. Creating S-polynomial from the pair (p_{65}, p_{70}).

Forming S-pol of p_{65} and p_{70}: Polynomial too big for output (text size is 1180 characters, number of terms is 12)

Reduced to zero.

4320. Creating S-polynomial from the pair (p_{65}, p_{71}).

Forming S-pol of p_{65} and p_{71}:

$$p_{977} = 262144u_4^{18}u_1^{18}x_{16}x_{14}x_4+$$
$$(131072u_5u_4^{19}u_1^{17} + 524288u_5u_4^{17}u_1^{19})x_{16}x_{14} - 262144u_4^{18}u_1^{18}x_{14}^2x_5+$$
$$(-131072u_6u_4^{19}u_1^{17} - 524288u_6u_4^{17}u_1^{19})x_{14}^2-$$
$$131072u_5u_4^{18}u_1^{17}x_{14}x_5x_3 - 65536u_5u_4^{20}u_1^{16}x_{14}x_5+$$
$$131072u_6u_4^{18}u_1^{17}x_{14}x_4x_3 + 65536u_6u_4^{20}u_1^{16}x_{14}x_4$$

Reduced to zero.

4321. Creating S-polynomial from the pair (p_{65}, p_{72}).

Forming S-pol of p_{65} and p_{72}: Polynomial too big for output (text size is 1893 characters, number of terms is 18)

Reduced to zero.

4322. Creating S-polynomial from the pair (p_{65}, p_{73}).

Forming S-pol of p_{65} and p_{73}:

$$p_{978} = 16384u_4^{16}u_1^{14}x_{16}^2x_4+$$
$$(-2048u_5u_4^{19}u_1^{11} + 32768u_5u_4^{15}u_1^{15})x_{16}^2 - 16384u_4^{16}u_1^{14}x_{16}x_{14}x_5+$$
$$(2048u_6u_4^{19}u_1^{11} - 32768u_6u_4^{15}u_1^{15})x_{16}x_{14} - 8192u_5u_4^{16}u_1^{13}x_{16}x_5x_3+$$
$$1024u_5u_4^{20}u_1^{10}x_{16}x_5 - 2048u_6u_4^{18}u_1^{11}x_{16}x_4x_3+$$
$$4096u_6u_4^{18}u_1^{12}x_{16}x_4+$$

$$(-1024u_6u_5u_4^{19}u_1^{10} - 4096u_6u_5u_4^{17}u_1^{12})x_{16}x_3+$$
$$(2048u_6u_4^{18}u_1^{11} + 8192u_6u_4^{16}u_1^{13})x_{14}x_5x_3+$$
$$(-1024u_6u_4^{20}u_1^{10} - 4096u_6u_4^{18}u_1^{12})x_{14}x_5+$$
$$(1024u_6^2u_4^{19}u_1^{10} + 4096u_6^2u_4^{17}u_1^{12})x_{14}x_3$$

Reduced to zero.

4323. Creating S-polynomial from the pair (p_{65}, p_{74}).
Skipping pair p_{65} and p_{74} because gcd of their leading monoms is zero.

4324. Creating S-polynomial from the pair (p_{65}, p_{75}).
Skipping pair p_{65} and p_{75} because gcd of their leading monoms is zero.

4325. Creating S-polynomial from the pair (p_{65}, p_{76}).
Skipping pair p_{65} and p_{76} because gcd of their leading monoms is zero.

4326. Creating S-polynomial from the pair (p_{65}, p_{77}).
Skipping pair p_{65} and p_{77} because gcd of their leading monoms is zero.

4327. Creating S-polynomial from the pair (p_{65}, p_{78}).
Skipping pair p_{65} and p_{78} because gcd of their leading monoms is zero.

4328. Creating S-polynomial from the pair (p_{65}, p_{79}).
Skipping pair p_{65} and p_{79} because gcd of their leading monoms is zero.

4329. Creating S-polynomial from the pair (p_{65}, p_{80}).
Skipping pair p_{65} and p_{80} because gcd of their leading monoms is zero.

4330. Creating S-polynomial from the pair (p_{65}, p_{81}).
Skipping pair p_{65} and p_{81} because gcd of their leading monoms is zero.

4331. Creating S-polynomial from the pair (p_{65}, p_{82}).
Skipping pair p_{65} and p_{82} because gcd of their leading monoms is zero.

4332. Creating S-polynomial from the pair (p_{65}, p_{83}).
Skipping pair p_{65} and p_{83} because gcd of their leading monoms is zero.

4333. Creating S-polynomial from the pair (p_{65}, p_{84}).
Skipping pair p_{65} and p_{84} because gcd of their leading monoms is zero.

4334. Creating S-polynomial from the pair (p_{65}, p_{85}).
Skipping pair p_{65} and p_{85} because gcd of their leading monoms is zero.

4335. Creating S-polynomial from the pair (p_{65}, p_{86}).
Skipping pair p_{65} and p_{86} because gcd of their leading monoms is zero.

4336. Creating S-polynomial from the pair (p_{65}, p_{87}).
Skipping pair p_{65} and p_{87} because gcd of their leading monoms is zero.

4337. Creating S-polynomial from the pair (p_{65}, p_{88}).

Forming S-pol of p_{65} and p_{88}:

$$p_{979} = -1048576u_5u_4^{22}u_1^{20}x_{16}x_4+$$
$$(131072u_5^2u_4^{25}u_1^{17} - 2097152u_5^2u_4^{21}u_1^{21})x_{16}+$$
$$(524288u_6u_4^{23}u_1^{19} + 2097152u_6u_4^{21}u_1^{21})x_{14}^2 + 1048576u_5u_4^{22}u_1^{20}x_{14}x_5+$$
$$(-262144u_6u_4^{24}u_1^{18} - 1048576u_6u_4^{22}u_1^{20})x_{14}x_4+$$
$$524288u_5^2u_4^{22}u_1^{19}x_5x_3 - 65536u_5^2u_4^{26}u_1^{16}x_5+$$
$$131072u_6u_5u_4^{24}u_1^{17}x_4x_3 - 262144u_6u_5u_4^{24}u_1^{18}x_4+$$
$$(65536u_6u_5^2u_4^{25}u_1^{16} + 262144u_6u_5^2u_4^{23}u_1^{18})x_3$$

Reduced to zero.

4338. Creating S-polynomial from the pair (p_{65}, p_{89}).

Forming S-pol of p_{65} and p_{89}:

$$p_{980} = -4096u_4^{20}u_1^{12}x_{16}x_4 + (4096u_5u_4^{19}u_1^{12} + 16384u_5u_4^{17}u_1^{14})x_{16}x_3+$$
$$(-2048u_5u_4^{21}u_1^{11} - 8192u_5u_4^{19}u_1^{13})x_{16} + 4096u_4^{20}u_1^{12}x_{14}x_5-$$
$$8192u_5u_4^{18}u_1^{13}x_5x_3 + 1024u_5u_4^{22}u_1^{10}x_5 - 2048u_6u_4^{20}u_1^{11}x_4x_3+$$
$$4096u_6u_4^{20}u_1^{12}x_4 + (-1024u_6u_5u_4^{21}u_1^{10} - 4096u_6u_5u_4^{19}u_1^{12})x_3$$

Reduced to zero.

4339. Creating S-polynomial from the pair (p_{65}, p_{90}).

Forming S-pol of p_{65} and p_{90}: Polynomial too big for output (text size is 1022 characters, number of terms is 12)

Reduced to zero.

4340. Creating S-polynomial from the pair (p_{65}, p_{91}).

Forming S-pol of p_{65} and p_{91}:

$$p_{981} = 524288u_4^{18}u_1^{19}x_{16}x_{14}x_4+$$
$$(262144u_5u_4^{19}u_1^{18} + 1048576u_5u_4^{17}u_1^{20})x_{16}x_{14} - 524288u_4^{18}u_1^{19}x_{14}^2x_5+$$
$$(-262144u_6u_4^{19}u_1^{18} - 1048576u_6u_4^{17}u_1^{20})x_{14}^2-$$
$$262144u_5u_4^{18}u_1^{18}x_{14}x_5x_3 - 131072u_5u_4^{20}u_1^{17}x_{14}x_5+$$
$$262144u_6u_4^{18}u_1^{18}x_{14}x_4x_3 + 131072u_6u_4^{20}u_1^{17}x_{14}x_4$$

Reduced to zero.

4341. Creating S-polynomial from the pair (p_{65}, p_{92}).

Forming S-pol of p_{65} and p_{92}:

$$p_{982} = -131072u_4^{20}u_1^{17}x_{16}x_{14}x_4+$$
$$(-65536u_5u_4^{21}u_1^{16} - 262144u_5u_4^{19}u_1^{18})x_{16}x_{14} + 131072u_4^{20}u_1^{17}x_{14}^2x_5+$$
$$(65536u_6u_4^{21}u_1^{16} + 262144u_6u_4^{19}u_1^{18})x_{14}^2 + 65536u_5u_4^{20}u_1^{16}x_{14}x_5x_3+$$
$$32768u_5u_4^{22}u_1^{15}x_{14}x_5 - 65536u_6u_4^{20}u_1^{16}x_{14}x_4x_3-$$
$$32768u_6u_4^{22}u_1^{15}x_{14}x_4$$

Reduced to zero.

4342. Creating S-polynomial from the pair (p_{65}, p_{93}).

Forming S-pol of p_{65} and p_{93}: Polynomial too big for output (text size is 1450 characters, number of terms is 14)

S-pol added.

4343. Creating S-polynomial from the pair (p_{65}, p_{94}).

Forming S-pol of p_{65} and p_{94}:

$$p_{983} = 16384u_4^{18}u_1^{14}x_{16}x_4+$$
$$(-2048u_5u_4^{21}u_1^{11} + 32768u_5u_4^{17}u_1^{15})x_{16} - 16384u_4^{18}u_1^{14}x_{14}x_5+$$
$$(4096u_6u_4^{19}u_1^{12} + 16384u_6u_4^{17}u_1^{14})x_{14}x_3+$$
$$(-8192u_6u_4^{19}u_1^{13} - 32768u_6u_4^{17}u_1^{15})x_{14} - 8192u_5u_4^{18}u_1^{13}x_5x_3+$$
$$1024u_5u_4^{22}u_1^{10}x_5 - 2048u_6u_4^{20}u_1^{11}x_4x_3 + 4096u_6u_4^{20}u_1^{12}x_4+$$
$$(-1024u_6u_5u_4^{21}u_1^{10} - 4096u_6u_5u_4^{19}u_1^{12})x_3$$

Reduced to zero.

4344. Creating S-polynomial from the pair (p_{65}, p_{95}).

Skipping pair p_{65} and p_{95} because gcd of their leading monoms is zero.

4345. Creating S-polynomial from the pair (p_{65}, p_{96}).

Skipping pair p_{65} and p_{96} because gcd of their leading monoms is zero.

4346. Creating S-polynomial from the pair (p_{65}, p_{97}).

Skipping pair p_{65} and p_{97} because gcd of their leading monoms is zero.

4347. Creating S-polynomial from the pair (p_{65}, p_{98}).

Skipping pair p_{65} and p_{98} because gcd of their leading monoms is zero.

4348. Creating S-polynomial from the pair (p_{65}, p_{99}).

Forming S-pol of p_{65} and p_{99}: Polynomial too big for output (text size is 5286 characters, number of terms is 34)

Reduced to zero.

4349. Creating S-polynomial from the pair (p_{65}, p_{100}).

Skipping pair p_{65} and p_{100} because gcd of their leading monoms is zero.

4350. Creating S-polynomial from the pair (p_{65}, p_{101}).

Skipping pair p_{65} and p_{101} because gcd of their leading monoms is zero.

4351. Creating S-polynomial from the pair (p_{65}, p_{102}).

Skipping pair p_{65} and p_{102} because gcd of their leading monoms is zero.

4352. Creating S-polynomial from the pair (p_{65}, p_{103}).

Forming S-pol of p_{65} and p_{103}: Polynomial too big for output (text size is 5302 characters, number of terms is 34)

Reduced to zero.

4353. Creating S-polynomial from the pair (p_{65}, p_{104}).

Forming S-pol of p_{65} and p_{104}: Polynomial too big for output (text size is 1256 characters, number of terms is 15)

Reduced to zero.

4354. Creating S-polynomial from the pair (p_{65}, p_{105}).

Forming S-pol of p_{65} and p_{105}:

$$p_{984} = (-32768u_5u_4^{17}u_1^{15} - 131072u_5u_4^{15}u_1^{17})x_{16}x_{14} - 32768u_4^{17}u_1^{15}x_{16}x_4^2+$$
$$(4096u_5u_4^{20}u_1^{12} - 65536u_5u_4^{16}u_1^{16})x_{16}x_4+$$
$$(16384u_4^{18}u_1^{14} + 65536u_4^{16}u_1^{16})x_{14}^2x_5+$$
$$(32768u_6u_4^{17}u_1^{15} + 131072u_6u_4^{15}u_1^{17})x_{14}^2 - 8192u_4^{19}u_1^{13}x_{14}x_5x_4+$$
$$(8192u_5u_4^{18}u_1^{13} + 32768u_5u_4^{16}u_1^{15})x_{14}x_5x_3+$$
$$(-8192u_6u_4^{18}u_1^{13} - 32768u_6u_4^{16}u_1^{15})x_{14}x_4x_3+$$
$$16384u_5u_4^{17}u_1^{14}x_5x_4x_3 - 2048u_5u_4^{21}u_1^{11}x_5x_4+$$
$$4096u_6u_4^{19}u_1^{12}x_4^2x_3 - 8192u_6u_4^{19}u_1^{13}x_4^2+$$
$$(2048u_6u_5u_4^{20}u_1^{11} + 8192u_6u_5u_4^{18}u_1^{13})x_4x_3$$

Reduced to zero.

4355. Creating S-polynomial from the pair (p_{65}, p_{106}).

Forming S-pol of p_{65} and p_{106}: Polynomial too big for output (text size is 1108 characters, number of terms is 14)

S-pol added.

4356. Creating S-polynomial from the pair (p_{66}, p_{67}).

Forming S-pol of p_{66} and p_{67}: Polynomial too big for output (text size is 1154 characters, number of terms is 16)

Reduced to zero.

4357. Creating S-polynomial from the pair (p_{66}, p_{68}).

Forming S-pol of p_{66} and p_{68}:

$$p_{985} = 256u_5u_4^{12}u_1^8x_{16}x_{14} + 256u_5u_4^{11}u_1^8x_{16}x_4x_3 -$$
$$128u_5u_4^{13}u_1^7x_{16}x_4 + 128u_5^2u_4^{12}u_1^7x_{16}x_3 - 256u_6u_4^{12}u_1^8x_{14}^2 -$$
$$256u_5u_4^{11}u_1^8x_{14}x_5x_3 + 128u_6u_4^{13}u_1^7x_{14}x_4 -$$
$$128u_6u_5u_4^{12}u_1^7x_{14}x_3$$

Reduced to zero.

4358. Creating S-polynomial from the pair (p_{66}, p_{69}).

Forming S-pol of p_{66} and p_{69}:

$$p_{986} = 4096u_4^{15}u_1^{12}x_{16}x_{14}x_4 + 8192u_5u_4^{14}u_1^{13}x_{16}x_{14} +$$
$$(-512u_5u_4^{17}u_1^9 - 2048u_5u_4^{15}u_1^{11})x_{16}x_4x_3 +$$
$$(256u_5u_4^{19}u_1^8 + 1024u_5u_4^{17}u_1^{10})x_{16}x_4 +$$
$$(-256u_5^2u_4^{18}u_1^8 - 1024u_5^2u_4^{16}u_1^{10})x_{16}x_3 - 4096u_4^{15}u_1^{12}x_{14}^2x_5 -$$
$$8192u_6u_4^{14}u_1^{13}x_{14}^2 + 512u_5u_4^{17}u_1^9x_{14}x_5x_3 +$$
$$(-256u_5u_4^{19}u_1^8 - 1024u_5u_4^{17}u_1^{10})x_{14}x_5 + 2048u_6u_4^{15}u_1^{11}x_{14}x_4x_3 +$$
$$(256u_6u_5u_4^{18}u_1^8 + 1024u_6u_5u_4^{16}u_1^{10})x_{14}x_3$$

Reduced to zero.

4359. Creating S-polynomial from the pair (p_{66}, p_{70}).

Skipping pair p_{66} and p_{70} because gcd of their leading monoms is zero.

4360. Creating S-polynomial from the pair (p_{66}, p_{71}).

Forming S-pol of p_{66} and p_{71}:

$$p_{987} = -512u_4^{11}u_1^9x_{16}x_{14}x_4 - 1024u_5u_4^{10}u_1^{10}x_{16}x_{14} +$$
$$256u_5u_4^{11}u_1^8x_{16}x_4x_3 - 128u_5u_4^{13}u_1^7x_{16}x_4 +$$
$$128u_5^2u_4^{12}u_1^7x_{16}x_3 + 512u_4^{11}u_1^9x_{14}^2x_5 + 1024u_6u_4^{10}u_1^{10}x_{14}^2 +$$
$$128u_5u_4^{13}u_1^7x_{14}x_5 - 256u_6u_4^{11}u_1^8x_{14}x_4x_3 -$$
$$128u_6u_5u_4^{12}u_1^7x_{14}x_3$$

Reduced to zero.

4361. Creating S-polynomial from the pair (p_{66}, p_{72}).

Skipping pair p_{66} and p_{72} because gcd of their leading monoms is zero.

4362. Creating S-polynomial from the pair (p_{66}, p_{73}).

Skipping pair p_{66} and p_{73} because gcd of their leading monoms is zero.

4363. Creating S-polynomial from the pair (p_{66}, p_{74}).

Skipping pair p_{66} and p_{74} because gcd of their leading monoms is zero.

4364. Creating S-polynomial from the pair (p_{66}, p_{75}).
Skipping pair p_{66} and p_{75} because gcd of their leading monoms is zero.

4365. Creating S-polynomial from the pair (p_{66}, p_{76}).
Skipping pair p_{66} and p_{76} because gcd of their leading monoms is zero.

4366. Creating S-polynomial from the pair (p_{66}, p_{77}).
Skipping pair p_{66} and p_{77} because gcd of their leading monoms is zero.

4367. Creating S-polynomial from the pair (p_{66}, p_{78}).
Skipping pair p_{66} and p_{78} because gcd of their leading monoms is zero.

4368. Creating S-polynomial from the pair (p_{66}, p_{79}).
Skipping pair p_{66} and p_{79} because gcd of their leading monoms is zero.

4369. Creating S-polynomial from the pair (p_{66}, p_{80}).
Skipping pair p_{66} and p_{80} because gcd of their leading monoms is zero.

4370. Creating S-polynomial from the pair (p_{66}, p_{81}).
Skipping pair p_{66} and p_{81} because gcd of their leading monoms is zero.

4371. Creating S-polynomial from the pair (p_{66}, p_{82}).
Skipping pair p_{66} and p_{82} because gcd of their leading monoms is zero.

4372. Creating S-polynomial from the pair (p_{66}, p_{83}).
Skipping pair p_{66} and p_{83} because gcd of their leading monoms is zero.

4373. Creating S-polynomial from the pair (p_{66}, p_{84}).
Skipping pair p_{66} and p_{84} because gcd of their leading monoms is zero.

4374. Creating S-polynomial from the pair (p_{66}, p_{85}).
Skipping pair p_{66} and p_{85} because gcd of their leading monoms is zero.

4375. Creating S-polynomial from the pair (p_{66}, p_{86}).
Skipping pair p_{66} and p_{86} because gcd of their leading monoms is zero.

4376. Creating S-polynomial from the pair (p_{66}, p_{87}).
Skipping pair p_{66} and p_{87} because gcd of their leading monoms is zero.

4377. Creating S-polynomial from the pair (p_{66}, p_{88}).
Skipping pair p_{66} and p_{88} because gcd of their leading monoms is zero.

4378. Creating S-polynomial from the pair (p_{66}, p_{89}).
Forming S-pol of p_{66} and p_{89}:

$$p_{988} = -32u_5u_4^{10}u_1^5x_{14}x_3 + 16u_5u_4^{12}u_1^4x_{14} + 16u_5u_4^{11}u_1^4x_4x_3 -$$
$$8u_5u_4^{13}u_1^3x_4 + 8u_5^2u_4^{12}u_1^3x_3$$

Reduced to zero.

4379. Creating S-polynomial from the pair (p_{66}, p_{90}).

Forming S-pol of p_{66} and p_{90}:

$$p_{989} = -4194304u_5u_4^{23}u_1^{21}x_{16}x_{14}x_4 - 4194304u_5^2u_4^{22}u_1^{22}x_{16}x_{14}+$$
$$1048576u_5^2u_4^{23}u_1^{20}x_{16}x_4x_3 - 524288u_5^2u_4^{25}u_1^{19}x_{16}x_4+$$
$$524288u_5^3u_4^{24}u_1^{19}x_{16}x_3 + 4194304u_6u_4^{22}u_1^{22}x_{14}^3+$$
$$2097152u_5u_4^{23}u_1^{21}x_{14}^2x_5 + 1048576u_6u_5u_4^{24}u_1^{20}x_{14}^2+$$
$$1048576u_5u_4^{24}u_1^{20}x_{14}x_5x_4 + 524288u_5^2u_4^{25}u_1^{19}x_{14}x_5+$$
$$(-524288u_6u_5u_4^{25}u_1^{19} - 2097152u_6u_4^{24}u_1^{21})x_{14}x_4+$$
$$1048576u_6u_5^2u_4^{24}u_1^{20}x_{14}$$

Reduced to zero.

4380. Creating S-polynomial from the pair (p_{66}, p_{91}).

Forming S-pol of p_{66} and p_{91}:

$$p_{990} = -1024u_4^{11}u_1^{10}x_{16}x_{14}x_4 - 2048u_5u_4^{10}u_1^{11}x_{16}x_{14}+$$
$$512u_5u_4^{11}u_1^9x_{16}x_4x_3 - 256u_5u_4^{13}u_1^8x_{16}x_4+$$
$$256u_5^2u_4^{12}u_1^8x_{16}x_3 + 1024u_4^{11}u_1^{10}x_{14}^2x_5+$$
$$2048u_6u_4^{10}u_1^{11}x_{14}^2 + 256u_5u_4^{13}u_1^8x_{14}x_5-$$
$$512u_6u_4^{11}u_1^9x_{14}x_4x_3 - 256u_6u_5u_4^{12}u_1^8x_{14}x_3$$

Reduced to zero.

4381. Creating S-polynomial from the pair (p_{66}, p_{92}).

Forming S-pol of p_{66} and p_{92}:

$$p_{991} = 512u_5u_4^{12}u_1^9x_{16}x_{14} + 512u_5u_4^{11}u_1^9x_{16}x_4x_3-$$
$$256u_5u_4^{13}u_1^8x_{16}x_4 + 256u_5^2u_4^{12}u_1^8x_{16}x_3 - 512u_6u_4^{12}u_1^9x_{14}^2-$$
$$512u_5u_4^{11}u_1^9x_{14}x_5x_3 + 256u_6u_4^{13}u_1^8x_{14}x_4-$$
$$256u_6u_5u_4^{12}u_1^8x_{14}x_3$$

Reduced to zero.

4382. Creating S-polynomial from the pair (p_{66}, p_{93}).

Skipping pair p_{66} and p_{93} because gcd of their leading monoms is zero.

4383. Creating S-polynomial from the pair (p_{66}, p_{94}).

Skipping pair p_{66} and p_{94} because gcd of their leading monoms is zero.

4384. Creating S-polynomial from the pair (p_{66}, p_{95}).

Skipping pair p_{66} and p_{95} because gcd of their leading monoms is zero.

4385. Creating S-polynomial from the pair (p_{66}, p_{96}).

Skipping pair p_{66} and p_{96} because gcd of their leading monoms is zero.

4386. Creating S-polynomial from the pair (p_{66}, p_{97}).
Skipping pair p_{66} and p_{97} because gcd of their leading monoms is zero.

4387. Creating S-polynomial from the pair (p_{66}, p_{98}).
Skipping pair p_{66} and p_{98} because gcd of their leading monoms is zero.

4388. Creating S-polynomial from the pair (p_{66}, p_{99}).
Skipping pair p_{66} and p_{99} because gcd of their leading monoms is zero.

4389. Creating S-polynomial from the pair (p_{66}, p_{100}).
Skipping pair p_{66} and p_{100} because gcd of their leading monoms is zero.

4390. Creating S-polynomial from the pair (p_{66}, p_{101}).
Skipping pair p_{66} and p_{101} because gcd of their leading monoms is zero.

4391. Creating S-polynomial from the pair (p_{66}, p_{102}).
Skipping pair p_{66} and p_{102} because gcd of their leading monoms is zero.

4392. Creating S-polynomial from the pair (p_{66}, p_{103}).
Skipping pair p_{66} and p_{103} because gcd of their leading monoms is zero.

4393. Creating S-polynomial from the pair (p_{66}, p_{104}).
Forming S-pol of p_{66} and p_{104}:

$$p_{992} = 2097152u_5u_4^{21}u_1^{21}x_{16}x_{14}^2 - 2097152u_4^{21}u_1^{21}x_{16}x_{14}x_4^2+$$
$$(1048576u_5u_4^{22}u_1^{20} + 4194304u_4^{21}u_1^{22})x_{16}x_{14}x_4+$$
$$(524288u_5^2u_4^{23}u_1^{19} - 2097152u_5^2u_4^{21}u_1^{21})x_{16}x_{14}+$$
$$1048576u_5u_4^{21}u_1^{20}x_{16}x_4^2x_3 - 524288u_5u_4^{23}u_1^{19}x_{16}x_4^2+$$
$$524288u_5^2u_4^{22}u_1^{19}x_{16}x_4x_3 - 2097152u_6u_4^{21}u_1^{21}x_{14}^3-$$
$$1048576u_5u_4^{22}u_1^{20}x_{14}^2x_5 - 524288u_6u_5u_4^{23}u_1^{19}x_{14}^2-$$
$$1048576u_5u_4^{21}u_1^{20}x_{14}x_5x_4x_3 - 262144u_5^2u_4^{24}u_1^{18}x_{14}x_5-$$
$$524288u_6u_5u_4^{22}u_1^{19}x_{14}x_4x_3+$$
$$(262144u_6u_5u_4^{24}u_1^{18} + 1048576u_6u_4^{23}u_1^{20})x_{14}x_4-$$
$$524288u_6u_5^2u_4^{23}u_1^{19}x_{14}$$

Reduced to zero.

4394. Creating S-polynomial from the pair (p_{66}, p_{105}).
Skipping pair p_{66} and p_{105} because gcd of their leading monoms is zero.

4395. Creating S-polynomial from the pair (p_{66}, p_{106}).
Skipping pair p_{66} and p_{106} because gcd of their leading monoms is zero.

4396. Creating S-polynomial from the pair (p_{67}, p_{68}).
Forming S-pol of p_{67} and p_{68}: Polynomial too big for output (text size is 1036 characters, number of terms is 15)
Reduced to zero.

4397. Creating S-polynomial from the pair (p_{67}, p_{69}).

Forming S-pol of p_{67} and p_{69}: Polynomial too big for output (text size is 1728 characters, number of terms is 17)

Reduced to zero.

4398. Creating S-polynomial from the pair (p_{67}, p_{70}).

Forming S-pol of p_{67} and p_{70}: Polynomial too big for output (text size is 2016 characters, number of terms is 17)

Reduced to zero.

4399. Creating S-polynomial from the pair (p_{67}, p_{71}).

Forming S-pol of p_{67} and p_{71}: Polynomial too big for output (text size is 1164 characters, number of terms is 16)

Reduced to zero.

4400. Creating S-polynomial from the pair (p_{67}, p_{72}).

Forming S-pol of p_{67} and p_{72}: Polynomial too big for output (text size is 2370 characters, number of terms is 19)

Reduced to zero.

4401. Creating S-polynomial from the pair (p_{67}, p_{73}).

Forming S-pol of p_{67} and p_{73}: Polynomial too big for output (text size is 1316 characters, number of terms is 17)

Reduced to zero.

4402. Creating S-polynomial from the pair (p_{67}, p_{74}).

Skipping pair p_{67} and p_{74} because gcd of their leading monoms is zero.

4403. Creating S-polynomial from the pair (p_{67}, p_{75}).

Skipping pair p_{67} and p_{75} because gcd of their leading monoms is zero.

4404. Creating S-polynomial from the pair (p_{67}, p_{76}).

Skipping pair p_{67} and p_{76} because gcd of their leading monoms is zero.

4405. Creating S-polynomial from the pair (p_{67}, p_{77}).

Skipping pair p_{67} and p_{77} because gcd of their leading monoms is zero.

4406. Creating S-polynomial from the pair (p_{67}, p_{78}).

Skipping pair p_{67} and p_{78} because gcd of their leading monoms is zero.

4407. Creating S-polynomial from the pair (p_{67}, p_{79}).

Forming S-pol of p_{67} and p_{79}: Polynomial too big for output (text size is 3202 characters, number of terms is 19)

S-pol added.

4408. Creating S-polynomial from the pair (p_{67}, p_{80}).

Skipping pair p_{67} and p_{80} because gcd of their leading monoms is zero.

4409. Creating S-polynomial from the pair (p_{67}, p_{81}).

Skipping pair p_{67} and p_{81} because gcd of their leading monoms is zero.

4410. Creating S-polynomial from the pair (p_{67}, p_{82}).

Skipping pair p_{67} and p_{82} because gcd of their leading monoms is zero.

4411. Creating S-polynomial from the pair (p_{67}, p_{83}).

Skipping pair p_{67} and p_{83} because gcd of their leading monoms is zero.

4412. Creating S-polynomial from the pair (p_{67}, p_{84}).

Skipping pair p_{67} and p_{84} because gcd of their leading monoms is zero.

4413. Creating S-polynomial from the pair (p_{67}, p_{85}).

Skipping pair p_{67} and p_{85} because gcd of their leading monoms is zero.

4414. Creating S-polynomial from the pair (p_{67}, p_{86}).

Forming S-pol of p_{67} and p_{86}: Polynomial too big for output (text size is 3189 characters, number of terms is 19)

S-pol added.

4415. Creating S-polynomial from the pair (p_{67}, p_{87}).

Skipping pair p_{67} and p_{87} because gcd of their leading monoms is zero.

4416. Creating S-polynomial from the pair (p_{67}, p_{88}).

Forming S-pol of p_{67} and p_{88}: Polynomial too big for output (text size is 1177 characters, number of terms is 15)

Reduced to zero.

4417. Creating S-polynomial from the pair (p_{67}, p_{89}).

Forming S-pol of p_{67} and p_{89}:

$$p_{993} = (-2097152u_4^{30}u_1^{21} - 8388608u_4^{28}u_1^{23})x_{16}x_4^2+$$
$$(2097152u_5u_4^{29}u_1^{21} + 8388608u_5u_4^{27}u_1^{23})x_{16}x_4x_3+$$
$$(-1048576u_5u_4^{31}u_1^{20} - 4194304u_5u_4^{29}u_1^{22} + 16777216u_4^{28}u_1^{24})x_{16}x_4+$$
$$(2097152u_5^2u_4^{30}u_1^{21} - 8388608u_5^2u_4^{28}u_1^{23})x_{16}+$$
$$4194304u_4^{29}u_1^{22}x_{14}^2x_5+$$
$$(1048576u_5u_4^{31}u_1^{20} - 4194304u_5u_4^{29}u_1^{22})x_{14}x_5-$$
$$2097152u_6u_5u_4^{30}u_1^{21}x_{14}+$$
$$(1048576u_5u_4^{30}u_1^{20} - 4194304u_5u_4^{28}u_1^{22})x_5x_4x_3+$$
$$524288u_5^2u_4^{31}u_1^{19}x_5x_3 - 1048576u_5^2u_4^{31}u_1^{20}x_5+$$
$$(-524288u_6u_5u_4^{31}u_1^{19} - 2097152u_6u_5u_4^{29}u_1^{21} - 2097152u_6u_4^{30}u_1^{21})x_4x_3+$$
$$(1048576u_6u_5u_4^{31}u_1^{20} + 4194304u_6u_4^{30}u_1^{22})x_4+$$
$$1048576u_6u_5^2u_4^{30}u_1^{20}x_3 - 2097152u_6u_5^2u_4^{30}u_1^{21}$$

Reduced to zero.

4418. Creating S-polynomial from the pair (p_{67}, p_{90}).

Forming S-pol of p_{67} and p_{90}: Polynomial too big for output (text size is 1809 characters, number of terms is 19)

Reduced to zero.

4419. Creating S-polynomial from the pair (p_{67}, p_{91}).

Forming S-pol of p_{67} and p_{91}: Polynomial too big for output (text size is 1173 characters, number of terms is 16)

Reduced to zero.

4420. Creating S-polynomial from the pair (p_{67}, p_{92}).

Forming S-pol of p_{67} and p_{92}: Polynomial too big for output (text size is 1043 characters, number of terms is 15)

Reduced to zero.

4421. Creating S-polynomial from the pair (p_{67}, p_{93}).

Forming S-pol of p_{67} and p_{93}: Polynomial too big for output (text size is 2457 characters, number of terms is 17)

S-pol added.

4422. Creating S-polynomial from the pair (p_{67}, p_{94}).

Forming S-pol of p_{67} and p_{94}: Polynomial too big for output (text size is 1057 characters, number of terms is 15)

Reduced to zero.

4423. Creating S-polynomial from the pair (p_{67}, p_{95}).

Forming S-pol of p_{67} and p_{95}: Polynomial too big for output (text size is 2870 characters, number of terms is 23)

Reduced to zero.

4424. Creating S-polynomial from the pair (p_{67}, p_{96}).

Forming S-pol of p_{67} and p_{96}: Polynomial too big for output (text size is 1591 characters, number of terms is 17)

Reduced to zero.

4425. Creating S-polynomial from the pair (p_{67}, p_{97}).

Forming S-pol of p_{67} and p_{97}: Polynomial too big for output (text size is 2135 characters, number of terms is 19)

S-pol added.

4426. Creating S-polynomial from the pair (p_{67}, p_{98}).

Skipping pair p_{67} and p_{98} because gcd of their leading monoms is zero.

4427. Creating S-polynomial from the pair (p_{67}, p_{99}).

Forming S-pol of p_{67} and p_{99}: Polynomial too big for output (text size is 7170 characters, number of terms is 39)

Reduced to zero.

4428. Creating S-polynomial from the pair (p_{67}, p_{100}).

Forming S-pol of p_{67} and p_{100}: Polynomial too big for output (text size is 2901 characters, number of terms is 23)

Reduced to zero.

4429. Creating S-polynomial from the pair (p_{67}, p_{101}).

Forming S-pol of p_{67} and p_{101}: Polynomial too big for output (text size is 1606 characters, number of terms is 17)

Reduced to zero.

4430. Creating S-polynomial from the pair (p_{67}, p_{102}).

Forming S-pol of p_{67} and p_{102}: Polynomial too big for output (text size is 2148 characters, number of terms is 19)

S-pol added.

4431. Creating S-polynomial from the pair (p_{67}, p_{103}).

Forming S-pol of p_{67} and p_{103}: Polynomial too big for output (text size is 7191 characters, number of terms is 39)

Reduced to zero.

4432. Creating S-polynomial from the pair (p_{67}, p_{104}).

Forming S-pol of p_{67} and p_{104}:

$$p_{994} = (-137438953472u_5u_4^{40}u_1^{37} - 549755813888u_5u_4^{38}u_1^{39})x_{16}x_{14}^2+$$
$$(-68719476736u_5u_4^{41}u_1^{36} - 274877906944u_5u_4^{39}u_1^{38}-$$
$$274877906944u_4^{40}u_1^{38})x_{16}x_{14}x_4+$$
$$(-34359738368u_5^2u_4^{42}u_1^{35} + 137438953472u_5^2u_4^{40}u_1^{37})x_{16}x_{14}+$$
$$274877906944u_4^{39}u_1^{38}x_{14}^3x_5+$$
$$(137438953472u_6u_4^{40}u_1^{37} + 549755813888u_6u_4^{38}u_1^{39})x_{14}^3+$$
$$137438953472u_5u_4^{41}u_1^{36}x_{14}^2x_5 + 34359738368u_6u_5u_4^{42}u_1^{35}x_{14}^2+$$
$$137438953472u_5u_4^{40}u_1^{36}x_{14}x_5x_4x_3 + 34359738368u_5^2u_4^{41}u_1^{35}x_{14}x_5x_3+$$
$$17179869184u_5^2u_4^{43}u_1^{34}x_{14}x_5 - 137438953472u_6u_4^{40}u_1^{37}x_{14}x_4x_3+$$
$$(-17179869184u_6u_5u_4^{43}u_1^{34} - 68719476736u_6u_4^{42}u_1^{36})x_{14}x_4+$$
$$68719476736u_6u_5^2u_4^{40}u_1^{36}x_{14}x_3 + 34359738368u_6u_5^2u_4^{42}u_1^{35}x_{14}$$

Reduced to zero.

4433. Creating S-polynomial from the pair (p_{67}, p_{105}).

Forming S-pol of p_{67} and p_{105}: Polynomial too big for output (text size is 1286 characters, number of terms is 17)

S-pol added.

4434. Creating S-polynomial from the pair (p_{67}, p_{106}).

Forming S-pol of p_{67} and p_{106}: Polynomial too big for output (text size is 1624 characters, number of terms is 17)

S-pol added.

4435. Creating S-polynomial from the pair (p_{68}, p_{69}).

Forming S-pol of p_{68} and p_{69}:

$$p_{995} = 65536u_4^{17}u_1^{16}x_{16}x_{14}x_4+$$
$$(8192u_5u_4^{20}u_1^{13} + 32768u_5u_4^{18}u_1^{15} + 131072u_5u_4^{16}u_1^{17})x_{16}x_{14}-$$
$$65536u_4^{17}u_1^{16}x_{14}^2x_5+$$
$$(-8192u_6u_4^{20}u_1^{13} - 32768u_6u_4^{18}u_1^{15} - 131072u_6u_4^{16}u_1^{17})x_{14}^2-$$
$$32768u_5u_4^{17}u_1^{15}x_{14}x_5x_3+$$
$$(-4096u_5u_4^{21}u_1^{12} - 16384u_5u_4^{19}u_1^{14})x_{14}x_5 + 32768u_6u_4^{17}u_1^{15}x_{14}x_4x_3+$$
$$(4096u_6u_4^{21}u_1^{12} + 16384u_6u_4^{19}u_1^{14})x_{14}x_4$$

Reduced to zero.

4436. Creating S-polynomial from the pair (p_{68}, p_{70}).

Forming S-pol of p_{68} and p_{70}:

$$p_{996} = (1024u_4^{17}u_1^{10} + 4096u_4^{15}u_1^{12})x_{16}^2x_4+$$
$$(2048u_5u_4^{16}u_1^{11} + 8192u_5u_4^{14}u_1^{13})x_{16}^2+$$
$$(-1024u_4^{17}u_1^{10} - 4096u_4^{15}u_1^{12})x_{16}x_{14}x_5+$$
$$(-2048u_6u_4^{16}u_1^{11} - 8192u_6u_4^{14}u_1^{13})x_{16}x_{14}+$$
$$(-512u_5u_4^{17}u_1^{9} - 2048u_5u_4^{15}u_1^{11})x_{16}x_5x_3+$$
$$(256u_6u_4^{19}u_1^{8} + 1024u_6u_4^{17}u_1^{10})x_{16}x_4+$$
$$(-256u_6u_5u_4^{18}u_1^{8} - 1024u_6u_5u_4^{16}u_1^{10})x_{16}x_3+$$
$$(512u_6u_4^{17}u_1^{9} + 2048u_6u_4^{15}u_1^{11})x_{14}x_5x_3+$$
$$(-256u_6u_4^{19}u_1^{8} - 1024u_6u_4^{17}u_1^{10})x_{14}x_5+$$
$$(256u_6^2u_4^{18}u_1^{8} + 1024u_6^2u_4^{16}u_1^{10})x_{14}x_3$$

Reduced to zero.

4437. Creating S-polynomial from the pair (p_{68}, p_{71}).

Forming S-pol of p_{68} and p_{71}:

$$p_{997} = -8192u_4^{13}u_1^{13}x_{16}x_{14}x_4+$$
$$(-4096u_5u_4^{14}u_1^{12} - 16384u_5u_4^{12}u_1^{14})x_{16}x_{14} + 8192u_4^{13}u_1^{13}x_{14}^2x_5+$$
$$(4096u_6u_4^{14}u_1^{12} + 16384u_6u_4^{12}u_1^{14})x_{14}^2 + 4096u_5u_4^{13}u_1^{12}x_{14}x_5x_3+$$
$$2048u_5u_4^{15}u_1^{11}x_{14}x_5 - 4096u_6u_4^{13}u_1^{12}x_{14}x_4x_3-$$
$$2048u_6u_4^{15}u_1^{11}x_{14}x_4$$

Reduced to zero.

4438. Creating S-polynomial from the pair (p_{68}, p_{72}).

Forming S-pol of p_{68} and p_{72}: Polynomial too big for output (text size is 1164 characters, number of terms is 16)

Reduced to zero.

4439. Creating S-polynomial from the pair (p_{68}, p_{73}).

Forming S-pol of p_{68} and p_{73}:

$$p_{998} = -512u_4^{11}u_1^9x_{16}^2x_4 - 1024u_5u_4^{10}u_1^{10}x_{16}^2 + 512u_4^{11}u_1^9x_{16}x_{14}x_5 + 1024u_6u_4^{10}u_1^{10}x_{16}x_{14} + 256u_5u_4^{11}u_1^8x_{16}x_5x_3 - 128u_6u_4^{13}u_1^7x_{16}x_4 + 128u_6u_5u_4^{12}u_1^7x_{16}x_3 - 256u_6u_4^{11}u_1^8x_{14}x_5x_3 + 128u_6u_4^{13}u_1^7x_{14}x_5 - 128u_6^2u_4^{12}u_1^7x_{14}x_3$$

Reduced to zero.

4440. Creating S-polynomial from the pair (p_{68}, p_{74}).

Skipping pair p_{68} and p_{74} because gcd of their leading monoms is zero.

4441. Creating S-polynomial from the pair (p_{68}, p_{75}).

Skipping pair p_{68} and p_{75} because gcd of their leading monoms is zero.

4442. Creating S-polynomial from the pair (p_{68}, p_{76}).

Skipping pair p_{68} and p_{76} because gcd of their leading monoms is zero.

4443. Creating S-polynomial from the pair (p_{68}, p_{77}).

Skipping pair p_{68} and p_{77} because gcd of their leading monoms is zero.

4444. Creating S-polynomial from the pair (p_{68}, p_{78}).

Skipping pair p_{68} and p_{78} because gcd of their leading monoms is zero.

4445. Creating S-polynomial from the pair (p_{68}, p_{79}).

Skipping pair p_{68} and p_{79} because gcd of their leading monoms is zero.

4446. Creating S-polynomial from the pair (p_{68}, p_{80}).

Skipping pair p_{68} and p_{80} because gcd of their leading monoms is zero.

4447. Creating S-polynomial from the pair (p_{68}, p_{81}).

Skipping pair p_{68} and p_{81} because gcd of their leading monoms is zero.

4448. Creating S-polynomial from the pair (p_{68}, p_{82}).

Skipping pair p_{68} and p_{82} because gcd of their leading monoms is zero.

4449. Creating S-polynomial from the pair (p_{68}, p_{83}).

Skipping pair p_{68} and p_{83} because gcd of their leading monoms is zero.

4450. Creating S-polynomial from the pair (p_{68}, p_{84}).

Skipping pair p_{68} and p_{84} because gcd of their leading monoms is zero.

4451. Creating S-polynomial from the pair (p_{68}, p_{85}).
Skipping pair p_{68} and p_{85} because gcd of their leading monoms is zero.

4452. Creating S-polynomial from the pair (p_{68}, p_{86}).
Skipping pair p_{68} and p_{86} because gcd of their leading monoms is zero.

4453. Creating S-polynomial from the pair (p_{68}, p_{87}).
Skipping pair p_{68} and p_{87} because gcd of their leading monoms is zero.

4454. Creating S-polynomial from the pair (p_{68}, p_{88}).
Forming S-pol of p_{68} and p_{88}:

$$p_{999} = 32768u_5u_4^{17}u_1^{15}x_{16}x_4 + 65536u_5^2u_4^{16}u_1^{16}x_{16} -$$
$$65536u_6u_4^{16}u_1^{16}x_{14}^2 - 32768u_5u_4^{17}u_1^{15}x_{14}x_5 +$$
$$32768u_6u_4^{17}u_1^{15}x_{14}x_4 - 16384u_6u_5u_4^{18}u_1^{14}x_{14} -$$
$$16384u_5^2u_4^{17}u_1^{14}x_5x_3 + 8192u_6u_5u_4^{19}u_1^{13}x_4 -$$
$$8192u_6u_5^2u_4^{18}u_1^{13}x_3$$

Reduced to zero.

4455. Creating S-polynomial from the pair (p_{68}, p_{89}).
Forming S-pol of p_{68} and p_{89}:

$$p_{1000} = -512u_5u_4^{12}u_1^9x_{16}x_3 + 256u_6u_4^{14}u_1^8x_{14} + 256u_5u_4^{13}u_1^8x_5x_3 -$$
$$128u_6u_4^{15}u_1^7x_4 + 128u_6u_5u_4^{14}u_1^7x_3$$

Reduced to zero.

4456. Creating S-polynomial from the pair (p_{68}, p_{90}).
Forming S-pol of p_{68} and p_{90}:

$$p_{1001} = -67108864u_5u_4^{25}u_1^{25}x_{16}x_{14}x_4 +$$
$$(-16777216u_5^2u_4^{26}u_1^{24} - 67108864u_5^2u_4^{24}u_1^{26})x_{16}x_{14} +$$
$$67108864u_6u_4^{24}u_1^{26}x_{14}^3 + 33554432u_5u_4^{25}u_1^{25}x_{14}^2x_5 +$$
$$33554432u_6u_5u_4^{26}u_1^{24}x_{14}^2 + 16777216u_5u_4^{26}u_1^{24}x_{14}x_5x_4 +$$
$$16777216u_5^2u_4^{25}u_1^{24}x_{14}x_5x_3 + 8388608u_5^2u_4^{27}u_1^{23}x_{14}x_5 +$$
$$(-16777216u_6u_5u_4^{27}u_1^{23} - 33554432u_6u_4^{26}u_1^{25})x_{14}x_4 +$$
$$8388608u_6u_5^2u_4^{26}u_1^{23}x_{14}x_3 + 16777216u_6u_5^2u_4^{26}u_1^{24}x_{14}$$

Reduced to zero.

4457. Creating S-polynomial from the pair (p_{68}, p_{91}).

Forming S-pol of p_{68} and p_{91}:

$$p_{1002} = -16384u_4^{13}u_1^{14}x_{16}x_{14}x_4+$$
$$(-8192u_5u_4^{14}u_1^{13} - 32768u_5u_4^{12}u_1^{15})x_{16}x_{14} + 16384u_4^{13}u_1^{14}x_{14}^2x_5+$$
$$(8192u_6u_4^{14}u_1^{13} + 32768u_6u_4^{12}u_1^{15})x_{14}^2 + 8192u_5u_4^{13}u_1^{13}x_{14}x_5x_3+$$
$$4096u_5u_4^{15}u_1^{12}x_{14}x_5 - 8192u_6u_4^{13}u_1^{13}x_{14}x_4x_3-$$
$$4096u_6u_4^{15}u_1^{12}x_{14}x_4$$

Reduced to zero.

4458. Creating S-polynomial from the pair (p_{68}, p_{92}).

Forming S-pol of p_{68} and p_{92}:

$$p_{1003} = 0$$

Reduced to zero.

4459. Creating S-polynomial from the pair (p_{68}, p_{93}).

Forming S-pol of p_{68} and p_{93}:

$$p_{1004} = (32768u_4^{21}u_1^{15} - 65536u_4^{19}u_1^{16})x_{16}x_4^2+$$
$$(65536u_5u_4^{20}u_1^{16} - 131072u_5u_4^{18}u_1^{17})x_{16}x_4 - 65536u_4^{20}u_1^{16}x_{14}^2x_5+$$
$$(262144u_4^{17}u_1^{18} - 131072u_4^{17}u_1^{17})x_{14}x_5x_4x_3+$$
$$(-131072u_4^{19}u_1^{17} + 65536u_4^{19}u_1^{16})x_{14}x_5x_4 - 32768u_5u_4^{20}u_1^{15}x_{14}x_5x_3+$$
$$65536u_5u_4^{20}u_1^{16}x_{14}x_5+$$
$$(32768u_6u_4^{20}u_1^{15} + 131072u_6u_4^{18}u_1^{17} - 65536u_6u_4^{18}u_1^{16})x_{14}x_4x_3+$$
$$(-16384u_6u_4^{22}u_1^{14} - 65536u_6u_4^{20}u_1^{16} + 32768u_6u_4^{20}u_1^{15})x_{14}x_4+$$
$$(-16384u_5u_4^{21}u_1^{14} + 32768u_5u_4^{19}u_1^{15})x_5x_4x_3+$$
$$(8192u_6u_4^{23}u_1^{13} - 16384u_6u_4^{21}u_1^{14})x_4^2+$$
$$(-8192u_6u_5u_4^{22}u_1^{13} + 16384u_6u_5u_4^{20}u_1^{14})x_4x_3$$

S-pol added.

4460. Creating S-polynomial from the pair (p_{68}, p_{94}).

Forming S-pol of p_{68} and p_{94}:

$$p_{1005} = -512u_4^{13}u_1^{9}x_{16}x_4 - 1024u_5u_4^{12}u_1^{10}x_{16} + 512u_4^{13}u_1^{9}x_{14}x_5-$$
$$512u_6u_4^{12}u_1^{9}x_{14}x_3+$$
$$(256u_6u_4^{14}u_1^{8} + 1024u_6u_4^{12}u_1^{10})x_{14} + 256u_5u_4^{13}u_1^{8}x_5x_3-$$
$$128u_6u_4^{15}u_1^{7}x_4 + 128u_6u_5u_4^{14}u_1^{7}x_3$$

Reduced to zero.

4461. Creating S-polynomial from the pair (p_{68}, p_{95}).

Skipping pair p_{68} and p_{95} because gcd of their leading monoms is zero.

4462. Creating S-polynomial from the pair (p_{68}, p_{96}).

Skipping pair p_{68} and p_{96} because gcd of their leading monoms is zero.

4463. Creating S-polynomial from the pair (p_{68}, p_{97}).

Skipping pair p_{68} and p_{97} because gcd of their leading monoms is zero.

4464. Creating S-polynomial from the pair (p_{68}, p_{98}).

Skipping pair p_{68} and p_{98} because gcd of their leading monoms is zero.

4465. Creating S-polynomial from the pair (p_{68}, p_{99}).

Forming S-pol of p_{68} and p_{99}: Polynomial too big for output (text size is 3059 characters, number of terms is 33)

Reduced to zero.

4466. Creating S-polynomial from the pair (p_{68}, p_{100}).

Skipping pair p_{68} and p_{100} because gcd of their leading monoms is zero.

4467. Creating S-polynomial from the pair (p_{68}, p_{101}).

Skipping pair p_{68} and p_{101} because gcd of their leading monoms is zero.

4468. Creating S-polynomial from the pair (p_{68}, p_{102}).

Skipping pair p_{68} and p_{102} because gcd of their leading monoms is zero.

4469. Creating S-polynomial from the pair (p_{68}, p_{103}).

Forming S-pol of p_{68} and p_{103}: Polynomial too big for output (text size is 3074 characters, number of terms is 33)

Reduced to zero.

4470. Creating S-polynomial from the pair (p_{68}, p_{104}).

Forming S-pol of p_{68} and p_{104}:

$$p_{1006} = 33554432u_5u_4^{23}u_1^{25}x_{16}x_{14}^2 - 33554432u_4^{23}u_1^{25}x_{16}x_{14}x_4^2+$$
$$67108864u_4^{23}u_1^{26}x_{16}x_{14}x_4+$$
$$(8388608u_5^2u_4^{25}u_1^{23} - 33554432u_5^2u_4^{23}u_1^{25})x_{16}x_{14}-$$
$$33554432u_6u_4^{23}u_1^{25}x_{14}^3 - 16777216u_5u_4^{24}u_1^{24}x_{14}^2x_5+$$
$$16777216u_6u_4^{24}u_1^{24}x_{14}^2x_4 - 8388608u_6u_5u_4^{25}u_1^{23}x_{14}^2-$$
$$4194304u_5^2u_4^{26}u_1^{22}x_{14}x_5 - 8388608u_6u_4^{25}u_1^{23}x_{14}x_4^2+$$
$$(4194304u_6u_5u_4^{26}u_1^{22} + 16777216u_6u_4^{25}u_1^{24})x_{14}x_4-$$
$$8388608u_6u_5^2u_4^{25}u_1^{23}x_{14}$$

Reduced to zero.

4471. Creating S-polynomial from the pair (p_{68}, p_{105}).

Forming S-pol of p_{68} and p_{105}:

$$p_{1007} = 4096u_5u_4^{10}u_1^{12}x_{16}x_{14} + 1024u_4^{12}u_1^{10}x_{16}x_4^2+$$
$$2048u_5u_4^{11}u_1^{11}x_{16}x_4 - 2048u_4^{11}u_1^{11}x_{14}^2x_5 - 4096u_6u_4^{10}u_1^{12}x_{14}^2-$$
$$1024u_5u_4^{11}u_1^{10}x_{14}x_5x_3 + 1024u_6u_4^{11}u_1^{10}x_{14}x_4x_3-$$
$$512u_6u_4^{13}u_1^{9}x_{14}x_4 - 512u_5u_4^{12}u_1^{9}x_5x_4x_3 + 256u_6u_4^{14}u_1^{8}x_4^2-$$
$$256u_6u_5u_4^{13}u_1^{8}x_4x_3$$

Reduced to zero.

4472. Creating S-polynomial from the pair (p_{68}, p_{106}).

Forming S-pol of p_{68} and p_{106}:

$$p_{1008} = 16384u_4^{20}u_1^{14}x_{16}x_4^2 + 32768u_5u_4^{19}u_1^{15}x_{16}x_4-$$
$$32768u_4^{19}u_1^{15}x_{14}^2x_5+$$
$$(131072u_4^{16}u_1^{17} - 65536u_4^{16}u_1^{16})x_{14}x_5x_4x_3 - 65536u_4^{18}u_1^{16}x_{14}x_5x_4-$$
$$16384u_5u_4^{19}u_1^{14}x_{14}x_5x_3 + 32768u_5u_4^{19}u_1^{15}x_{14}x_5+$$
$$(16384u_6u_4^{19}u_1^{14} + 65536u_6u_4^{17}u_1^{16})x_{14}x_4x_3+$$
$$(-8192u_6u_4^{21}u_1^{13} - 32768u_6u_4^{19}u_1^{15} - 65536u_6u_4^{17}u_1^{16})x_{14}x_4-$$
$$8192u_5u_4^{20}u_1^{13}x_5x_4x_3 + 4096u_6u_4^{22}u_1^{12}x_4^2-$$
$$4096u_6u_5u_4^{21}u_1^{12}x_4x_3$$

S-pol added.

4473. Creating S-polynomial from the pair (p_{69}, p_{70}).

Forming S-pol of p_{69} and p_{70}:

$$p_{1009} = (-2048u_4^{23}u_1^{11} - 8192u_4^{21}u_1^{13})x_{16}^2x_4+$$
$$(1024u_5u_4^{24}u_1^{10} + 4096u_5u_4^{22}u_1^{12})x_{16}^2+$$
$$(2048u_4^{23}u_1^{11} + 8192u_4^{21}u_1^{13})x_{16}x_{14}x_5+$$
$$(-1024u_6u_4^{24}u_1^{10} - 4096u_6u_4^{22}u_1^{12})x_{16}x_{14}+$$
$$(1024u_5u_4^{23}u_1^{10} + 4096u_5u_4^{21}u_1^{12})x_{16}x_5x_3+$$
$$(-512u_5u_4^{25}u_1^{9} - 4096u_5u_4^{23}u_1^{11} - 8192u_5u_4^{21}u_1^{13})x_{16}x_5+$$
$$(4096u_6u_4^{21}u_1^{12} + 16384u_6u_4^{19}u_1^{14})x_{16}x_4x_3+$$
$$(512u_6u_5u_4^{24}u_1^{9} + 4096u_6u_5u_4^{22}u_1^{11} + 8192u_6u_5u_4^{20}u_1^{13})x_{16}x_3+$$
$$(-1024u_6u_4^{23}u_1^{10} - 8192u_6u_4^{21}u_1^{12} - 16384u_6u_4^{19}u_1^{14})x_{14}x_5x_3+$$
$$(512u_6u_4^{25}u_1^{9} + 4096u_6u_4^{23}u_1^{11} + 8192u_6u_4^{21}u_1^{13})x_{14}x_5+$$
$$(-512u_6^2u_4^{24}u_1^{9} - 4096u_6^2u_4^{22}u_1^{11} - 8192u_6^2u_4^{20}u_1^{13})x_{14}x_3$$

Reduced to zero.

4474. Creating S-polynomial from the pair (p_{69}, p_{71}).

Forming S-pol of p_{69} and p_{71}:

$$p_{1010} = 16384u_4^{19}u_1^{14}x_{16}x_{14}x_4 + 32768u_5u_4^{18}u_1^{15}x_{16}x_{14} -$$
$$16384u_4^{19}u_1^{14}x_{14}^2x_5 - 32768u_6u_4^{18}u_1^{15}x_{14}^2 -$$
$$8192u_5u_4^{19}u_1^{13}x_{14}x_5x_3 + 8192u_6u_4^{19}u_1^{13}x_{14}x_4x_3$$

Reduced to zero.

4475. Creating S-polynomial from the pair (p_{69}, p_{72}).

Forming S-pol of p_{69} and p_{72}: Polynomial too big for output (text size is 1604 characters, number of terms is 16)

Reduced to zero.

4476. Creating S-polynomial from the pair (p_{69}, p_{73}).

Forming S-pol of p_{69} and p_{73}:

$$p_{1011} = 1024u_4^{17}u_1^{10}x_{16}^2x_4 - 512u_5u_4^{18}u_1^9x_{16}^2 - 1024u_4^{17}u_1^{10}x_{16}x_{14}x_5 +$$
$$512u_6u_4^{18}u_1^9x_{16}x_{14} - 512u_5u_4^{17}u_1^9x_{16}x_5x_3 +$$
$$(256u_5u_4^{19}u_1^8 + 1024u_5u_4^{17}u_1^{10})x_{16}x_5 - 2048u_6u_4^{15}u_1^{11}x_{16}x_4x_3 +$$
$$(-256u_6u_5u_4^{18}u_1^8 - 1024u_6u_5u_4^{16}u_1^{10})x_{16}x_3 +$$
$$(512u_6u_4^{17}u_1^9 + 2048u_6u_4^{15}u_1^{11})x_{14}x_5x_3 +$$
$$(-256u_6u_4^{19}u_1^8 - 1024u_6u_4^{17}u_1^{10})x_{14}x_5 +$$
$$(256u_6^2u_4^{18}u_1^8 + 1024u_6^2u_4^{16}u_1^{10})x_{14}x_3$$

Reduced to zero.

4477. Creating S-polynomial from the pair (p_{69}, p_{74}).

Skipping pair p_{69} and p_{74} because gcd of their leading monoms is zero.

4478. Creating S-polynomial from the pair (p_{69}, p_{75}).

Skipping pair p_{69} and p_{75} because gcd of their leading monoms is zero.

4479. Creating S-polynomial from the pair (p_{69}, p_{76}).

Skipping pair p_{69} and p_{76} because gcd of their leading monoms is zero.

4480. Creating S-polynomial from the pair (p_{69}, p_{77}).

Skipping pair p_{69} and p_{77} because gcd of their leading monoms is zero.

4481. Creating S-polynomial from the pair (p_{69}, p_{78}).

Skipping pair p_{69} and p_{78} because gcd of their leading monoms is zero.

4482. Creating S-polynomial from the pair (p_{69}, p_{79}).

Skipping pair p_{69} and p_{79} because gcd of their leading monoms is zero.

4483. Creating S-polynomial from the pair (p_{69}, p_{80}).

Skipping pair p_{69} and p_{80} because gcd of their leading monoms is zero.

4484. Creating S-polynomial from the pair (p_{69}, p_{81}).
Skipping pair p_{69} and p_{81} because gcd of their leading monoms is zero.

4485. Creating S-polynomial from the pair (p_{69}, p_{82}).
Skipping pair p_{69} and p_{82} because gcd of their leading monoms is zero.

4486. Creating S-polynomial from the pair (p_{69}, p_{83}).
Skipping pair p_{69} and p_{83} because gcd of their leading monoms is zero.

4487. Creating S-polynomial from the pair (p_{69}, p_{84}).
Skipping pair p_{69} and p_{84} because gcd of their leading monoms is zero.

4488. Creating S-polynomial from the pair (p_{69}, p_{85}).
Skipping pair p_{69} and p_{85} because gcd of their leading monoms is zero.

4489. Creating S-polynomial from the pair (p_{69}, p_{86}).
Skipping pair p_{69} and p_{86} because gcd of their leading monoms is zero.

4490. Creating S-polynomial from the pair (p_{69}, p_{87}).
Skipping pair p_{69} and p_{87} because gcd of their leading monoms is zero.

4491. Creating S-polynomial from the pair (p_{69}, p_{88}).
Forming S-pol of p_{69} and p_{88}:

$$p_{1012} = -65536u_5u_4^{23}u_1^{16}x_{16}x_4 + 32768u_5^2u_4^{24}u_1^{15}x_{16}+$$
$$(131072u_6u_4^{22}u_1^{17} + 524288u_6u_4^{20}u_1^{19})x_{14}^2 + 65536u_5u_4^{23}u_1^{16}x_{14}x_5+$$
$$(-65536u_6u_4^{23}u_1^{16} - 262144u_6u_4^{21}u_1^{18})x_{14}x_4 - 524288u_6u_5u_4^{20}u_1^{19}x_{14}+$$
$$32768u_5^2u_4^{23}u_1^{15}x_5x_3+$$
$$(-16384u_5^2u_4^{25}u_1^{14} - 65536u_5^2u_4^{23}u_1^{16})x_5+$$
$$131072u_6u_5u_4^{21}u_1^{17}x_4x_3+$$
$$(16384u_6u_5^2u_4^{24}u_1^{14} + 65536u_6u_5^2u_4^{22}u_1^{16})x_3$$

Reduced to zero.

4492. Creating S-polynomial from the pair (p_{69}, p_{89}).
Forming S-pol of p_{69} and p_{89}:

$$p_{1013} = -4096u_4^{17}u_1^{12}x_{16}x_4 + (1024u_5u_4^{18}u_1^{10} + 4096u_5u_4^{16}u_1^{12})x_{16}x_3+$$
$$(-512u_5u_4^{20}u_1^9 - 2048u_5u_4^{18}u_1^{11} - 8192u_5u_4^{16}u_1^{13})x_{16}+$$
$$4096u_4^{17}u_1^{12}x_{14}x_5 + 8192u_6u_4^{16}u_1^{13}x_{14} - 512u_5u_4^{19}u_1^9x_5x_3+$$
$$(256u_5u_4^{21}u_1^8 + 1024u_5u_4^{19}u_1^{10})x_5 - 2048u_6u_4^{17}u_1^{11}x_4x_3+$$
$$(-256u_6u_5u_4^{20}u_1^8 - 1024u_6u_5u_4^{18}u_1^{10})x_3$$

Reduced to zero.

4493. Creating S-polynomial from the pair (p_{69}, p_{90}).

Forming S-pol of p_{69} and p_{90}:

$$p_{1014} = (134217728u_5u_4^{31}u_1^{26} + 268435456u_5u_4^{29}u_1^{28})x_{16}x_{14}x_4+$$
$$134217728u_5^2u_4^{30}u_1^{27}x_{16}x_{14}+$$
$$(-134217728u_6u_4^{30}u_1^{27} - 536870912u_6u_4^{28}u_1^{29})x_{14}^3-$$
$$67108864u_5u_4^{31}u_1^{26}x_{14}^2x_5+$$
$$(-33554432u_6u_5u_4^{32}u_1^{25} - 134217728u_6u_5u_4^{30}u_1^{27}+$$
$$536870912u_6u_5u_4^{28}u_1^{29})x_{14}^2+$$
$$(-33554432u_5u_4^{32}u_1^{25} - 134217728u_5u_4^{30}u_1^{27})x_{14}x_5x_4-$$
$$33554432u_5^2u_4^{31}u_1^{25}x_{14}x_5x_3 - 134217728u_6u_5u_4^{29}u_1^{27}x_{14}x_4x_3+$$
$$(16777216u_6u_5u_4^{33}u_1^{24} + 67108864u_6u_5u_4^{31}u_1^{26} + 67108864u_6u_4^{32}u_1^{26}+$$
$$268435456u_6u_4^{30}u_1^{28})x_{14}x_4+$$
$$(-16777216u_6u_5^2u_4^{32}u_1^{24} - 67108864u_6u_5^2u_4^{30}u_1^{26})x_{14}x_3+$$
$$(-33554432u_6u_5^2u_4^{32}u_1^{25} - 134217728u_6u_5^2u_4^{30}u_1^{27})x_{14}$$

Reduced to zero.

4494. Creating S-polynomial from the pair (p_{69}, p_{91}).

Forming S-pol of p_{69} and p_{91}:

$$p_{1015} = 32768u_4^{19}u_1^{15}x_{16}x_{14}x_4 + 65536u_5u_4^{18}u_1^{16}x_{16}x_{14}-$$
$$32768u_4^{19}u_1^{15}x_{14}^2x_5 - 65536u_6u_4^{18}u_1^{16}x_{14}^2-$$
$$16384u_5u_4^{19}u_1^{14}x_{14}x_5x_3 + 16384u_6u_4^{19}u_1^{14}x_{14}x_4x_3$$

Reduced to zero.

4495. Creating S-polynomial from the pair (p_{69}, p_{92}).

Forming S-pol of p_{69} and p_{92}:

$$p_{1016} = -131072u_4^{17}u_1^{17}x_{16}x_{14}x_4+$$
$$(-16384u_5u_4^{20}u_1^{14} - 65536u_5u_4^{18}u_1^{16} - 262144u_5u_4^{16}u_1^{18})x_{16}x_{14}+$$
$$131072u_4^{17}u_1^{17}x_{14}^2x_5+$$
$$(16384u_6u_4^{20}u_1^{14} + 65536u_6u_4^{18}u_1^{16} + 262144u_6u_4^{16}u_1^{18})x_{14}^2+$$
$$65536u_5u_4^{17}u_1^{16}x_{14}x_5x_3+$$
$$(8192u_5u_4^{21}u_1^{13} + 32768u_5u_4^{19}u_1^{15})x_{14}x_5 - 65536u_6u_4^{17}u_1^{16}x_{14}x_4x_3+$$
$$(-8192u_6u_4^{21}u_1^{13} - 32768u_6u_4^{19}u_1^{15})x_{14}x_4$$

Reduced to zero.

4496. Creating S-polynomial from the pair (p_{69}, p_{93}).

Forming S-pol of p_{69} and p_{93}: Polynomial too big for output (text size is 1295 characters, number of terms is 13)

S-pol added.

4497. Creating S-polynomial from the pair (p_{69}, p_{94}).

Forming S-pol of p_{69} and p_{94}:

$$p_{1017} = 1024u_4^{19}u_1^{10}x_{16}x_4 - 512u_5u_4^{20}u_1^9x_{16} - 1024u_4^{19}u_1^{10}x_{14}x_5+$$
$$(1024u_6u_4^{18}u_1^{10} + 4096u_6u_4^{16}u_1^{12})x_{14}x_3 - 2048u_6u_4^{18}u_1^{11}x_{14}-$$
$$512u_5u_4^{19}u_1^9x_5x_3+$$
$$(256u_5u_4^{21}u_1^8 + 1024u_5u_4^{19}u_1^{10})x_5 - 2048u_6u_4^{17}u_1^{11}x_4x_3+$$
$$(-256u_6u_5u_4^{20}u_1^8 - 1024u_6u_5u_4^{18}u_1^{10})x_3$$

Reduced to zero.

4498. Creating S-polynomial from the pair (p_{69}, p_{95}).

Skipping pair p_{69} and p_{95} because gcd of their leading monoms is zero.

4499. Creating S-polynomial from the pair (p_{69}, p_{96}).

Skipping pair p_{69} and p_{96} because gcd of their leading monoms is zero.

4500. Creating S-polynomial from the pair (p_{69}, p_{97}).

Skipping pair p_{69} and p_{97} because gcd of their leading monoms is zero.

4501. Creating S-polynomial from the pair (p_{69}, p_{98}).

Skipping pair p_{69} and p_{98} because gcd of their leading monoms is zero.

4502. Creating S-polynomial from the pair (p_{69}, p_{99}).

Forming S-pol of p_{69} and p_{99}: Polynomial too big for output (text size is 5235 characters, number of terms is 34)

Reduced to zero.

4503. Creating S-polynomial from the pair (p_{69}, p_{100}).

Skipping pair p_{69} and p_{100} because gcd of their leading monoms is zero.

4504. Creating S-polynomial from the pair (p_{69}, p_{101}).

Skipping pair p_{69} and p_{101} because gcd of their leading monoms is zero.

4505. Creating S-polynomial from the pair (p_{69}, p_{102}).

Skipping pair p_{69} and p_{102} because gcd of their leading monoms is zero.

4506. Creating S-polynomial from the pair (p_{69}, p_{103}).

Forming S-pol of p_{69} and p_{103}: Polynomial too big for output (text size is 5251 characters, number of terms is 34)

Reduced to zero.

4507. Creating S-polynomial from the pair (p_{69}, p_{104}).

Forming S-pol of p_{69} and p_{104}: Polynomial too big for output (text size is 1310 characters, number of terms is 15)

Reduced to zero.

4508. Creating S-polynomial from the pair (p_{69}, p_{105}).

Forming S-pol of p_{69} and p_{105}:

$$p_{1018} = (-8192u_5u_4^{16}u_1^{13} - 32768u_5u_4^{14}u_1^{15})x_{16}x_{14} - 2048u_4^{18}u_1^{11}x_{16}x_4^2+$$
$$1024u_5u_4^{19}u_1^{10}x_{16}x_4 + (4096u_4^{17}u_1^{12} + 16384u_4^{15}u_1^{14})x_{14}^2x_5+$$
$$(8192u_6u_4^{16}u_1^{13} + 32768u_6u_4^{14}u_1^{15})x_{14}^2 - 8192u_4^{16}u_1^{13}x_{14}x_5x_4+$$
$$(2048u_5u_4^{17}u_1^{11} + 8192u_5u_4^{15}u_1^{13})x_{14}x_5x_3+$$
$$(-2048u_6u_4^{17}u_1^{11} - 8192u_6u_4^{15}u_1^{13})x_{14}x_4x_3 - 16384u_6u_4^{15}u_1^{14}x_{14}x_4+$$
$$1024u_5u_4^{18}u_1^{10}x_5x_4x_3+$$
$$(-512u_5u_4^{20}u_1^{9} - 2048u_5u_4^{18}u_1^{11})x_5x_4 + 4096u_6u_4^{16}u_1^{12}x_4^2x_3+$$
$$(512u_6u_5u_4^{19}u_1^{9} + 2048u_6u_5u_4^{17}u_1^{11})x_4x_3$$

Reduced to zero.

4509. Creating S-polynomial from the pair (p_{69}, p_{106}).

Forming S-pol of p_{69} and p_{106}:

$$p_{1019} = -32768u_4^{26}u_1^{15}x_{16}x_4^2 + 16384u_5u_4^{27}u_1^{14}x_{16}x_4+$$
$$(65536u_4^{25}u_1^{16} + 262144u_4^{23}u_1^{18})x_{14}^2x_5+$$
$$(-262144u_4^{22}u_1^{18} + 131072u_4^{22}u_1^{17} - 1048576u_4^{20}u_1^{20}+$$
$$524288u_4^{20}u_1^{19})x_{14}x_5x_4x_3 + 524288u_4^{22}u_1^{19}x_{14}x_5x_4+$$
$$(32768u_5u_4^{25}u_1^{15} + 131072u_5u_4^{23}u_1^{17})x_{14}x_5x_3+$$
$$(-65536u_5u_4^{25}u_1^{16} - 262144u_5u_4^{23}u_1^{18})x_{14}x_5+$$
$$(-32768u_6u_4^{25}u_1^{15} - 262144u_6u_4^{23}u_1^{17} - 524288u_6u_4^{21}u_1^{19})x_{14}x_4x_3+$$
$$(65536u_6u_4^{25}u_1^{16} + 131072u_6u_4^{23}u_1^{17} + 524288u_6u_4^{21}u_1^{19})x_{14}x_4+$$
$$16384u_5u_4^{26}u_1^{14}x_5x_4x_3+$$
$$(-8192u_5u_4^{28}u_1^{13} - 32768u_5u_4^{26}u_1^{15})x_5x_4 + 65536u_6u_4^{24}u_1^{16}x_4^2x_3+$$
$$(8192u_6u_5u_4^{27}u_1^{13} + 32768u_6u_5u_4^{25}u_1^{15})x_4x_3$$

S-pol added.

4510. Creating S-polynomial from the pair (p_{70}, p_{71}).

Forming S-pol of p_{70} and p_{71}:

$$p_{1020} = (512u_5u_4^{18}u_1^9 + 2048u_5u_4^{16}u_1^{11})x_{16}^2+$$
$$(-512u_6u_4^{18}u_1^9 - 2048u_6u_4^{16}u_1^{11})x_{16}x_{14}+$$
$$(-256u_5u_4^{19}u_1^8 - 1024u_5u_4^{17}u_1^{10})x_{16}x_5+$$
$$(512u_6u_4^{17}u_1^9 + 2048u_6u_4^{15}u_1^{11})x_{16}x_4x_3+$$
$$(256u_6u_5u_4^{18}u_1^8 + 1024u_6u_5u_4^{16}u_1^{10})x_{16}x_3+$$
$$(-512u_6u_4^{17}u_1^9 - 2048u_6u_4^{15}u_1^{11})x_{14}x_5x_3+$$
$$(256u_6u_4^{19}u_1^8 + 1024u_6u_4^{17}u_1^{10})x_{14}x_5+$$
$$(-256u_6^2u_4^{18}u_1^8 - 1024u_6^2u_4^{16}u_1^{10})x_{14}x_3$$

Reduced to zero.

4511. Creating S-polynomial from the pair (p_{70}, p_{72}).

Forming S-pol of p_{70} and p_{72}:

$$p_{1021} = (32768u_4^{29}u_1^{15} + 131072u_4^{27}u_1^{17})x_{16}x_{14}x_5+$$
$$(-16384u_4^{30}u_1^{14} - 65536u_4^{28}u_1^{16})x_{16}x_5x_4+$$
$$(8192u_5u_4^{31}u_1^{13} - 131072u_5u_4^{27}u_1^{17})x_{16}x_5+$$
$$(4096u_6u_5u_4^{31}u_1^{12} + 16384u_6u_5u_4^{29}u_1^{14} + 16384u_5u_4^{30}u_1^{14}+$$
$$65536u_5u_4^{28}u_1^{16})x_5x_3 + (-8192u_5u_4^{32}u_1^{13} - 32768u_5u_4^{30}u_1^{15})x_5+$$
$$(-8192u_6^2u_5u_4^{30}u_1^{13} - 32768u_6^2u_5u_4^{28}u_1^{15})x_3+$$
$$(4096u_6^2u_5u_4^{32}u_1^{12} + 16384u_6^2u_5u_4^{30}u_1^{14})$$

Reduced to zero.

4512. Creating S-polynomial from the pair (p_{70}, p_{73}).

Forming S-pol of p_{70} and p_{73}:

$$p_{1022} = 0$$

Reduced to zero.

4513. Creating S-polynomial from the pair (p_{70}, p_{74}).

Skipping pair p_{70} and p_{74} because gcd of their leading monoms is zero.

4514. Creating S-polynomial from the pair (p_{70}, p_{75}).

Skipping pair p_{70} and p_{75} because gcd of their leading monoms is zero.

4515. Creating S-polynomial from the pair (p_{70}, p_{76}).

Skipping pair p_{70} and p_{76} because gcd of their leading monoms is zero.

4516. Creating S-polynomial from the pair (p_{70}, p_{77}).

Skipping pair p_{70} and p_{77} because gcd of their leading monoms is zero.

4517. Creating S-polynomial from the pair (p_{70}, p_{78}).
Skipping pair p_{70} and p_{78} because gcd of their leading monoms is zero.

4518. Creating S-polynomial from the pair (p_{70}, p_{79}).
Skipping pair p_{70} and p_{79} because gcd of their leading monoms is zero.

4519. Creating S-polynomial from the pair (p_{70}, p_{80}).
Skipping pair p_{70} and p_{80} because gcd of their leading monoms is zero.

4520. Creating S-polynomial from the pair (p_{70}, p_{81}).
Skipping pair p_{70} and p_{81} because gcd of their leading monoms is zero.

4521. Creating S-polynomial from the pair (p_{70}, p_{82}).
Skipping pair p_{70} and p_{82} because gcd of their leading monoms is zero.

4522. Creating S-polynomial from the pair (p_{70}, p_{83}).
Skipping pair p_{70} and p_{83} because gcd of their leading monoms is zero.

4523. Creating S-polynomial from the pair (p_{70}, p_{84}).
Skipping pair p_{70} and p_{84} because gcd of their leading monoms is zero.

4524. Creating S-polynomial from the pair (p_{70}, p_{85}).
Skipping pair p_{70} and p_{85} because gcd of their leading monoms is zero.

4525. Creating S-polynomial from the pair (p_{70}, p_{86}).
Skipping pair p_{70} and p_{86} because gcd of their leading monoms is zero.

4526. Creating S-polynomial from the pair (p_{70}, p_{87}).
Skipping pair p_{70} and p_{87} because gcd of their leading monoms is zero.

4527. Creating S-polynomial from the pair (p_{70}, p_{88}).
Forming S-pol of p_{70} and p_{88}:

$$\begin{gathered}
p_{1023} = (8192u_6u_4^{20}u_1^{13} + 32768u_6u_4^{18}u_1^{15})x_{16}x_{14}+ \\
(-4096u_6u_4^{21}u_1^{12} - 16384u_6u_4^{19}u_1^{14})x_{16}x_4+ \\
(2048u_6u_5u_4^{22}u_1^{11} - 32768u_6u_5u_4^{18}u_1^{15})x_{16}+ \\
(2048u_6u_5u_4^{21}u_1^{11} + 8192u_6u_5u_4^{19}u_1^{13})x_5x_3+ \\
(-1024u_6u_5u_4^{23}u_1^{10} - 4096u_6u_5u_4^{21}u_1^{12})x_5+ \\
(1024u_6^2u_5u_4^{22}u_1^{10} + 4096u_6^2u_5u_4^{20}u_1^{12})x_3
\end{gathered}$$

Reduced to zero.

4528. Creating S-polynomial from the pair (p_{70}, p_{89}).
Skipping pair p_{70} and p_{89} because gcd of their leading monoms is zero.

4529. Creating S-polynomial from the pair (p_{70}, p_{90}).
Forming S-pol of p_{70} and p_{90}: Polynomial too big for output (text size is 1090 characters, number of terms is 11)
Reduced to zero.

4530. Creating S-polynomial from the pair (p_{70}, p_{91}).

Forming S-pol of p_{70} and p_{91}:

$$p_{1024} = (1024u_5u_4^{18}u_1^{10} + 4096u_5u_4^{16}u_1^{12})x_{16}^2+$$
$$(-1024u_6u_4^{18}u_1^{10} - 4096u_6u_4^{16}u_1^{12})x_{16}x_{14}+$$
$$(-512u_5u_4^{19}u_1^{9} - 2048u_5u_4^{17}u_1^{11})x_{16}x_5+$$
$$(1024u_6u_4^{17}u_1^{10} + 4096u_6u_4^{15}u_1^{12})x_{16}x_4x_3+$$
$$(512u_6u_5u_4^{18}u_1^{9} + 2048u_6u_5u_4^{16}u_1^{11})x_{16}x_3+$$
$$(-1024u_6u_4^{17}u_1^{10} - 4096u_6u_4^{15}u_1^{12})x_{14}x_5x_3+$$
$$(512u_6u_4^{19}u_1^{9} + 2048u_6u_4^{17}u_1^{11})x_{14}x_5+$$
$$(-512u_6^2u_4^{18}u_1^{9} - 2048u_6^2u_4^{16}u_1^{11})x_{14}x_3$$

Reduced to zero.

4531. Creating S-polynomial from the pair (p_{70}, p_{92}).

Forming S-pol of p_{70} and p_{92}:

$$p_{1025} = (-2048u_4^{17}u_1^{11} - 8192u_4^{15}u_1^{13})x_{16}^2x_4+$$
$$(-4096u_5u_4^{16}u_1^{12} - 16384u_5u_4^{14}u_1^{14})x_{16}^2+$$
$$(2048u_4^{17}u_1^{11} + 8192u_4^{15}u_1^{13})x_{16}x_{14}x_5+$$
$$(4096u_6u_4^{16}u_1^{12} + 16384u_6u_4^{14}u_1^{14})x_{16}x_{14}+$$
$$(1024u_5u_4^{17}u_1^{10} + 4096u_5u_4^{15}u_1^{12})x_{16}x_5x_3+$$
$$(-512u_6u_4^{19}u_1^{9} - 2048u_6u_4^{17}u_1^{11})x_{16}x_4+$$
$$(512u_6u_5u_4^{18}u_1^{9} + 2048u_6u_5u_4^{16}u_1^{11})x_{16}x_3+$$
$$(-1024u_6u_4^{17}u_1^{10} - 4096u_6u_4^{15}u_1^{12})x_{14}x_5x_3+$$
$$(512u_6u_4^{19}u_1^{9} + 2048u_6u_4^{17}u_1^{11})x_{14}x_5+$$
$$(-512u_6^2u_4^{18}u_1^{9} - 2048u_6^2u_4^{16}u_1^{11})x_{14}x_3$$

Reduced to zero.

4532. Creating S-polynomial from the pair (p_{70}, p_{93}).

Forming S-pol of p_{70} and p_{93}: Polynomial too big for output (text size is 1148 characters, number of terms is 10)

S-pol added.

4533. Creating S-polynomial from the pair (p_{70}, p_{94}).

Forming S-pol of p_{70} and p_{94}:

$$p_{1026} = (64u_6u_4^{16}u_1^{6} + 256u_6u_4^{14}u_1^{8})x_{16}x_3+$$
$$(-32u_6u_4^{18}u_1^{5} - 128u_6u_4^{16}u_1^{7})x_{16}+$$
$$(-32u_6u_4^{17}u_1^{5} - 128u_6u_4^{15}u_1^{7})x_5x_3+$$
$$(16u_6u_4^{19}u_1^{4} + 64u_6u_4^{17}u_1^{6})x_5+$$
$$(-16u_6^2u_4^{18}u_1^{4} - 64u_6^2u_4^{16}u_1^{6})x_3$$

Reduced to zero.

4534. Creating S-polynomial from the pair (p_{70}, p_{95}).

Skipping pair p_{70} and p_{95} because gcd of their leading monoms is zero.

4535. Creating S-polynomial from the pair (p_{70}, p_{96}).

Skipping pair p_{70} and p_{96} because gcd of their leading monoms is zero.

4536. Creating S-polynomial from the pair (p_{70}, p_{97}).

Skipping pair p_{70} and p_{97} because gcd of their leading monoms is zero.

4537. Creating S-polynomial from the pair (p_{70}, p_{98}).

Skipping pair p_{70} and p_{98} because gcd of their leading monoms is zero.

4538. Creating S-polynomial from the pair (p_{70}, p_{99}).

Forming S-pol of p_{70} and p_{99}: Polynomial too big for output (text size is 4881 characters, number of terms is 30)

Reduced to zero.

4539. Creating S-polynomial from the pair (p_{70}, p_{100}).

Skipping pair p_{70} and p_{100} because gcd of their leading monoms is zero.

4540. Creating S-polynomial from the pair (p_{70}, p_{101}).

Skipping pair p_{70} and p_{101} because gcd of their leading monoms is zero.

4541. Creating S-polynomial from the pair (p_{70}, p_{102}).

Skipping pair p_{70} and p_{102} because gcd of their leading monoms is zero.

4542. Creating S-polynomial from the pair (p_{70}, p_{103}).

Forming S-pol of p_{70} and p_{103}: Polynomial too big for output (text size is 4893 characters, number of terms is 30)

Reduced to zero.

4543. Creating S-polynomial from the pair (p_{70}, p_{104}).

Forming S-pol of p_{70} and p_{104}: Polynomial too big for output (text size is 1527 characters, number of terms is 16)

Reduced to zero.

4544. Creating S-polynomial from the pair (p_{70}, p_{105}).

Forming S-pol of p_{70} and p_{105}:

$$p_{1027} = (-512u_5u_4^{14}u_1^9 - 2048u_5u_4^{12}u_1^{11})x_{16}^2+$$

$$(256u_4^{15}u_1^8 + 1024u_4^{13}u_1^{10})x_{16}x_{14}x_5+$$

$$(512u_6u_4^{14}u_1^9 + 2048u_6u_4^{12}u_1^{11})x_{16}x_{14}+$$

$$(-128u_4^{16}u_1^7 - 512u_4^{14}u_1^9)x_{16}x_5x_4+$$

$$(128u_5u_4^{15}u_1^7 + 512u_5u_4^{13}u_1^9)x_{16}x_5x_3+$$

$$(-128u_6u_4^{15}u_1^7 - 512u_6u_4^{13}u_1^9)x_{16}x_4x_3+$$

$$(64u_6u_4^{17}u_1^6 - 1024u_6u_4^{13}u_1^{10})x_{16}x_4+$$

$$(64u_6u_4^{16}u_1^6 + 256u_6u_4^{14}u_1^8)x_5x_4x_3+$$
$$(-32u_6u_4^{18}u_1^5 - 128u_6u_4^{16}u_1^7)x_5x_4+$$
$$(32u_6^2u_4^{17}u_1^5 + 128u_6^2u_4^{15}u_1^7)x_4x_3$$

Reduced to zero.

4545. Creating S-polynomial from the pair (p_{70}, p_{106}).

Forming S-pol of p_{70} and p_{106}:

$$p_{1028} = (4096u_4^{23}u_1^{12} + 16384u_4^{21}u_1^{14})x_{16}x_{14}x_5+$$
$$(-16384u_4^{20}u_1^{14} + 8192u_4^{20}u_1^{13} - 65536u_4^{18}u_1^{16}+$$
$$32768u_4^{18}u_1^{15})x_{16}x_5x_4x_3 + (-2048u_4^{24}u_1^{11} + 32768u_4^{20}u_1^{15})x_{16}x_5x_4+$$
$$(2048u_5u_4^{23}u_1^{11} + 8192u_5u_4^{21}u_1^{13})x_{16}x_5x_3+$$
$$(-4096u_5u_4^{23}u_1^{12} - 16384u_5u_4^{21}u_1^{14})x_{16}x_5+$$
$$(-2048u_6u_4^{23}u_1^{11} - 16384u_6u_4^{21}u_1^{13} - 32768u_6u_4^{19}u_1^{15})x_{16}x_4x_3+$$
$$(1024u_6u_4^{25}u_1^{10} + 4096u_6u_4^{23}u_1^{12} + 8192u_6u_4^{21}u_1^{13}+$$
$$32768u_6u_4^{19}u_1^{15})x_{16}x_4 + (1024u_6u_4^{24}u_1^{10} + 4096u_6u_4^{22}u_1^{12})x_5x_4x_3+$$
$$(-512u_6u_4^{26}u_1^9 - 2048u_6u_4^{24}u_1^{11})x_5x_4+$$
$$(512u_6^2u_4^{25}u_1^9 + 2048u_6^2u_4^{23}u_1^{11})x_4x_3$$

S-pol added.

4546. Creating S-polynomial from the pair (p_{71}, p_{72}).

Forming S-pol of p_{71} and p_{72}: Polynomial too big for output (text size is 1085 characters, number of terms is 15)

Reduced to zero.

4547. Creating S-polynomial from the pair (p_{71}, p_{73}).

Forming S-pol of p_{71} and p_{73}:

$$p_{1029} = 256u_5u_4^{12}u_1^8x_{16}^2 - 256u_6u_4^{12}u_1^8x_{16}x_{14} - 128u_5u_4^{13}u_1^7x_{16}x_5+$$
$$256u_6u_4^{11}u_1^8x_{16}x_4x_3 + 128u_6u_5u_4^{12}u_1^7x_{16}x_3-$$
$$256u_6u_4^{11}u_1^8x_{14}x_5x_3 + 128u_6u_4^{13}u_1^7x_{14}x_5-$$
$$128u_6^2u_4^{12}u_1^7x_{14}x_3$$

Reduced to zero.

4548. Creating S-polynomial from the pair (p_{71}, p_{74}).

Skipping pair p_{71} and p_{74} because gcd of their leading monoms is zero.

4549. Creating S-polynomial from the pair (p_{71}, p_{75}).

Skipping pair p_{71} and p_{75} because gcd of their leading monoms is zero.

4550. Creating S-polynomial from the pair (p_{71}, p_{76}).

Skipping pair p_{71} and p_{76} because gcd of their leading monoms is zero.

4551. Creating S-polynomial from the pair (p_{71}, p_{77}).
Skipping pair p_{71} and p_{77} because gcd of their leading monoms is zero.

4552. Creating S-polynomial from the pair (p_{71}, p_{78}).
Skipping pair p_{71} and p_{78} because gcd of their leading monoms is zero.

4553. Creating S-polynomial from the pair (p_{71}, p_{79}).
Skipping pair p_{71} and p_{79} because gcd of their leading monoms is zero.

4554. Creating S-polynomial from the pair (p_{71}, p_{80}).
Skipping pair p_{71} and p_{80} because gcd of their leading monoms is zero.

4555. Creating S-polynomial from the pair (p_{71}, p_{81}).
Skipping pair p_{71} and p_{81} because gcd of their leading monoms is zero.

4556. Creating S-polynomial from the pair (p_{71}, p_{82}).
Skipping pair p_{71} and p_{82} because gcd of their leading monoms is zero.

4557. Creating S-polynomial from the pair (p_{71}, p_{83}).
Skipping pair p_{71} and p_{83} because gcd of their leading monoms is zero.

4558. Creating S-polynomial from the pair (p_{71}, p_{84}).
Skipping pair p_{71} and p_{84} because gcd of their leading monoms is zero.

4559. Creating S-polynomial from the pair (p_{71}, p_{85}).
Skipping pair p_{71} and p_{85} because gcd of their leading monoms is zero.

4560. Creating S-polynomial from the pair (p_{71}, p_{86}).
Skipping pair p_{71} and p_{86} because gcd of their leading monoms is zero.

4561. Creating S-polynomial from the pair (p_{71}, p_{87}).
Skipping pair p_{71} and p_{87} because gcd of their leading monoms is zero.

4562. Creating S-polynomial from the pair (p_{71}, p_{88}).
Forming S-pol of p_{71} and p_{88}:

$$p_{1030} = -16384u_5^2u_4^{18}u_1^{14}x_{16} - 65536u_6u_4^{16}u_1^{16}x_{14}^2+$$
$$32768u_6u_4^{17}u_1^{15}x_{14}x_4 + 65536u_6u_5u_4^{16}u_1^{16}x_{14}+$$
$$8192u_5^2u_4^{19}u_1^{13}x_5 - 16384u_6u_5u_4^{17}u_1^{14}x_4x_3-$$
$$8192u_6u_5^2u_4^{18}u_1^{13}x_3$$

Reduced to zero.

4563. Creating S-polynomial from the pair (p_{71}, p_{89}).
Forming S-pol of p_{71} and p_{89}:

$$p_{1031} = 512u_4^{13}u_1^9x_{16}x_4 - 512u_5u_4^{12}u_1^9x_{16}x_3+$$
$$(256u_5u_4^{14}u_1^8 + 1024u_5u_4^{12}u_1^{10})x_{16} - 512u_4^{13}u_1^9x_{14}x_5-$$
$$1024u_6u_4^{12}u_1^{10}x_{14} - 128u_5u_4^{15}u_1^7x_5 + 256u_6u_4^{13}u_1^8x_4x_3+$$
$$128u_6u_5u_4^{14}u_1^7x_3$$

Reduced to zero.

4564. Creating S-polynomial from the pair (p_{71}, p_{90}).

Forming S-pol of p_{71} and p_{90}:

$$p_{1032} = -33554432u_5u_4^{25}u_1^{25}x_{16}x_{14}x_4 + 67108864u_6u_4^{24}u_1^{26}x_{14}^3+$$
$$(16777216u_6u_5u_4^{26}u_1^{24} - 67108864u_6u_5u_4^{24}u_1^{26})x_{14}^2+$$
$$16777216u_5u_4^{26}u_1^{24}x_{14}x_5x_4 + 16777216u_6u_5u_4^{25}u_1^{24}x_{14}x_4x_3+$$
$$(-8388608u_6u_5u_4^{27}u_1^{23} - 33554432u_6u_4^{26}u_1^{25})x_{14}x_4+$$
$$8388608u_6u_5^2u_4^{26}u_1^{23}x_{14}x_3 + 16777216u_6u_5^2u_4^{26}u_1^{24}x_{14}$$

Reduced to zero.

4565. Creating S-polynomial from the pair (p_{71}, p_{91}).

Forming S-pol of p_{71} and p_{91}:

$$p_{1033} = 0$$

Reduced to zero.

4566. Creating S-polynomial from the pair (p_{71}, p_{92}).

Forming S-pol of p_{71} and p_{92}:

$$p_{1034} = 16384u_4^{13}u_1^{14}x_{16}x_{14}x_4+$$
$$(8192u_5u_4^{14}u_1^{13} + 32768u_5u_4^{12}u_1^{15})x_{16}x_{14} - 16384u_4^{13}u_1^{14}x_{14}^2x_5+$$
$$(-8192u_6u_4^{14}u_1^{13} - 32768u_6u_4^{12}u_1^{15})x_{14}^2 - 8192u_5u_4^{13}u_1^{13}x_{14}x_5x_3-$$
$$4096u_5u_4^{15}u_1^{12}x_{14}x_5 + 8192u_6u_4^{13}u_1^{13}x_{14}x_4x_3+$$
$$4096u_6u_4^{15}u_1^{12}x_{14}x_4$$

Reduced to zero.

4567. Creating S-polynomial from the pair (p_{71}, p_{93}).

Forming S-pol of p_{71} and p_{93}:

$$p_{1035} = (-16384u_5u_4^{22}u_1^{14} + 32768u_5u_4^{20}u_1^{15})x_{16}x_4 - 65536u_4^{20}u_1^{16}x_{14}^2x_5+$$
$$(262144u_4^{17}u_1^{18} - 131072u_4^{17}u_1^{17})x_{14}x_5x_4x_3+$$
$$(32768u_4^{21}u_1^{15} - 131072u_4^{19}u_1^{17})x_{14}x_5x_4 - 32768u_5u_4^{20}u_1^{15}x_{14}x_5x_3+$$
$$65536u_5u_4^{20}u_1^{16}x_{14}x_5+$$
$$(32768u_6u_4^{20}u_1^{15} + 131072u_6u_4^{18}u_1^{17} - 65536u_6u_4^{18}u_1^{16})x_{14}x_4x_3-$$
$$131072u_6u_4^{18}u_1^{17}x_{14}x_4 + (8192u_5u_4^{23}u_1^{13} - 16384u_5u_4^{21}u_1^{14})x_5x_4+$$
$$(-16384u_6u_4^{21}u_1^{14} + 32768u_6u_4^{19}u_1^{15})x_4^2x_3+$$
$$(-8192u_6u_5u_4^{22}u_1^{13} + 16384u_6u_5u_4^{20}u_1^{14})x_4x_3$$

S-pol added.

4568. Creating S-polynomial from the pair (p_{71}, p_{94}).

Forming S-pol of p_{71} and p_{94}:

$$p_{1036} = 256u_5u_4^{14}u_1^8x_{16} - 512u_6u_4^{12}u_1^9x_{14}x_3 - 128u_5u_4^{15}u_1^7x_5 +$$
$$256u_6u_4^{13}u_1^8x_4x_3 + 128u_6u_5u_4^{14}u_1^7x_3$$

Reduced to zero.

4569. Creating S-polynomial from the pair (p_{71}, p_{95}).

Skipping pair p_{71} and p_{95} because gcd of their leading monoms is zero.

4570. Creating S-polynomial from the pair (p_{71}, p_{96}).

Skipping pair p_{71} and p_{96} because gcd of their leading monoms is zero.

4571. Creating S-polynomial from the pair (p_{71}, p_{97}).

Skipping pair p_{71} and p_{97} because gcd of their leading monoms is zero.

4572. Creating S-polynomial from the pair (p_{71}, p_{98}).

Skipping pair p_{71} and p_{98} because gcd of their leading monoms is zero.

4573. Creating S-polynomial from the pair (p_{71}, p_{99}).

Forming S-pol of p_{71} and p_{99}: Polynomial too big for output (text size is 2814 characters, number of terms is 31)

Reduced to zero.

4574. Creating S-polynomial from the pair (p_{71}, p_{100}).

Skipping pair p_{71} and p_{100} because gcd of their leading monoms is zero.

4575. Creating S-polynomial from the pair (p_{71}, p_{101}).

Skipping pair p_{71} and p_{101} because gcd of their leading monoms is zero.

4576. Creating S-polynomial from the pair (p_{71}, p_{102}).

Skipping pair p_{71} and p_{102} because gcd of their leading monoms is zero.

4577. Creating S-polynomial from the pair (p_{71}, p_{103}).

Forming S-pol of p_{71} and p_{103}: Polynomial too big for output (text size is 2827 characters, number of terms is 31)

Reduced to zero.

4578. Creating S-polynomial from the pair (p_{71}, p_{104}).

Forming S-pol of p_{71} and p_{104}:

$$p_{1037} = 33554432u_5u_4^{23}u_1^{25}x_{16}x_{14}^2 +$$
$$(16777216u_5u_4^{24}u_1^{24} + 67108864u_5u_4^{22}u_1^{26} + 67108864u_4^{23}u_1^{26})x_{16}x_{14}x_4 +$$
$$(8388608u_5^2u_4^{25}u_1^{23} - 33554432u_5^2u_4^{23}u_1^{25})x_{16}x_{14} -$$
$$33554432u_6u_4^{23}u_1^{25}x_{14}^3 - 33554432u_4^{23}u_1^{25}x_{14}^2x_5x_4 -$$
$$16777216u_5u_4^{24}u_1^{24}x_{14}^2x_5 - 67108864u_6u_4^{22}u_1^{26}x_{14}^2x_4 -$$

$$8388608u_6u_5u_4^{25}u_1^{23}x_{14}^2 - 16777216u_5u_4^{23}u_1^{24}x_{14}x_5x_4x_3 -$$
$$8388608u_5u_4^{25}u_1^{23}x_{14}x_5x_4 - 4194304u_5^2u_4^{26}u_1^{22}x_{14}x_5 +$$
$$16777216u_6u_4^{23}u_1^{24}x_{14}x_4^2x_3 +$$
$$(4194304u_6u_5u_4^{26}u_1^{22} + 16777216u_6u_4^{25}u_1^{24})x_{14}x_4 -$$
$$8388608u_6u_5^2u_4^{25}u_1^{23}x_{14}$$

Reduced to zero.

4579. Creating S-polynomial from the pair (p_{71}, p_{105}).

Forming S-pol of p_{71} and p_{105}:

$$p_{1038} = 4096u_5u_4^{10}u_1^{12}x_{16}x_{14} - 512u_5u_4^{13}u_1^9x_{16}x_4 - 2048u_4^{11}u_1^{11}x_{14}^2x_5 -$$
$$4096u_6u_4^{10}u_1^{12}x_{14}^2 + 1024u_4^{12}u_1^{10}x_{14}x_5x_4 -$$
$$1024u_5u_4^{11}u_1^{10}x_{14}x_5x_3 + 1024u_6u_4^{11}u_1^{10}x_{14}x_4x_3 +$$
$$2048u_6u_4^{11}u_1^{11}x_{14}x_4 + 256u_5u_4^{14}u_1^8x_5x_4 - 512u_6u_4^{12}u_1^9x_4^2x_3 -$$
$$256u_6u_5u_4^{13}u_1^8x_4x_3$$

Reduced to zero.

4580. Creating S-polynomial from the pair (p_{71}, p_{106}).

Forming S-pol of p_{71} and p_{106}:

$$p_{1039} = -8192u_5u_4^{21}u_1^{13}x_{16}x_4 - 32768u_4^{19}u_1^{15}x_{14}^2x_5 +$$
$$(131072u_4^{16}u_1^{17} - 65536u_4^{16}u_1^{16})x_{14}x_5x_4x_3 +$$
$$(16384u_4^{20}u_1^{14} - 65536u_4^{18}u_1^{16})x_{14}x_5x_4 - 16384u_5u_4^{19}u_1^{14}x_{14}x_5x_3 +$$
$$32768u_5u_4^{19}u_1^{15}x_{14}x_5 +$$
$$(16384u_6u_4^{19}u_1^{14} + 65536u_6u_4^{17}u_1^{16})x_{14}x_4x_3 - 65536u_6u_4^{17}u_1^{16}x_{14}x_4 +$$
$$4096u_5u_4^{22}u_1^{12}x_5x_4 - 8192u_6u_4^{20}u_1^{13}x_4^2x_3 -$$
$$4096u_6u_5u_4^{21}u_1^{12}x_4x_3$$

S-pol added.

4581. Creating S-polynomial from the pair (p_{72}, p_{73}).

Forming S-pol of p_{72} and p_{73}:

$$p_{1040} = 16384u_4^{23}u_1^{14}x_{16}x_{14}x_5 - 8192u_4^{24}u_1^{13}x_{16}x_5x_4 +$$
$$(4096u_5u_4^{25}u_1^{12} - 16384u_5u_4^{23}u_1^{14})x_{16}x_5 +$$
$$(2048u_6u_5u_4^{25}u_1^{11} + 8192u_5u_4^{24}u_1^{13})x_5x_3 - 4096u_5u_4^{26}u_1^{12}x_5 -$$
$$4096u_6^2u_5u_4^{24}u_1^{12}x_3 + 2048u_6^2u_5u_4^{26}u_1^{11}$$

Reduced to zero.

4582. Creating S-polynomial from the pair (p_{72}, p_{74}).

Skipping pair p_{72} and p_{74} because gcd of their leading monoms is zero.

4583. Creating S-polynomial from the pair (p_{72}, p_{75}).

Skipping pair p_{72} and p_{75} because gcd of their leading monoms is zero.

4584. Creating S-polynomial from the pair (p_{72}, p_{76}).

Skipping pair p_{72} and p_{76} because gcd of their leading monoms is zero.

4585. Creating S-polynomial from the pair (p_{72}, p_{77}).

Skipping pair p_{72} and p_{77} because gcd of their leading monoms is zero.

4586. Creating S-polynomial from the pair (p_{72}, p_{78}).

Skipping pair p_{72} and p_{78} because gcd of their leading monoms is zero.

4587. Creating S-polynomial from the pair (p_{72}, p_{79}).

Forming S-pol of p_{72} and p_{79}: Polynomial too big for output (text size is 2735 characters, number of terms is 18)

S-pol added.

4588. Creating S-polynomial from the pair (p_{72}, p_{80}).

Skipping pair p_{72} and p_{80} because gcd of their leading monoms is zero.

4589. Creating S-polynomial from the pair (p_{72}, p_{81}).

Skipping pair p_{72} and p_{81} because gcd of their leading monoms is zero.

4590. Creating S-polynomial from the pair (p_{72}, p_{82}).

Skipping pair p_{72} and p_{82} because gcd of their leading monoms is zero.

4591. Creating S-polynomial from the pair (p_{72}, p_{83}).

Skipping pair p_{72} and p_{83} because gcd of their leading monoms is zero.

4592. Creating S-polynomial from the pair (p_{72}, p_{84}).

Skipping pair p_{72} and p_{84} because gcd of their leading monoms is zero.

4593. Creating S-polynomial from the pair (p_{72}, p_{85}).

Skipping pair p_{72} and p_{85} because gcd of their leading monoms is zero.

4594. Creating S-polynomial from the pair (p_{72}, p_{86}).

Forming S-pol of p_{72} and p_{86}: Polynomial too big for output (text size is 2723 characters, number of terms is 18)

S-pol added.

4595. Creating S-polynomial from the pair (p_{72}, p_{87}).

Skipping pair p_{72} and p_{87} because gcd of their leading monoms is zero.

4596. Creating S-polynomial from the pair (p_{72}, p_{88}).

Forming S-pol of p_{72} and p_{88}:

$$p_{1041} = -1048576u_5u_4^{29}u_1^{20}x_{16}x_{14}x_5+$$

$$(1048576u_6u_4^{29}u_1^{20} + 4194304u_6u_4^{27}u_1^{22})x_{16}x_{14}x_4+$$

$$524288u_5u_4^{30}u_1^{19}x_{16}x_5x_4+$$
$$(-262144u_5^2u_4^{31}u_1^{18}+1048576u_5^2u_4^{29}u_1^{20})x_{16}x_5+$$
$$(-524288u_6u_4^{30}u_1^{19}-2097152u_6u_4^{28}u_1^{21})x_{16}x_4^2+$$
$$(262144u_6u_5u_4^{31}u_1^{18}-4194304u_6u_5u_4^{27}u_1^{22})x_{16}x_4+$$
$$(262144u_6u_5u_4^{30}u_1^{18}+1048576u_6u_5u_4^{28}u_1^{20})x_5x_4x_3+$$
$$(-131072u_6u_5u_4^{32}u_1^{17}-524288u_6u_5u_4^{30}u_1^{19})x_5x_4+$$
$$(-131072u_6u_5^2u_4^{31}u_1^{17}-524288u_5^2u_4^{30}u_1^{19})x_5x_3+$$
$$262144u_5^2u_4^{32}u_1^{18}x_5+$$
$$(131072u_6^2u_5u_4^{31}u_1^{17}+524288u_6^2u_5u_4^{29}u_1^{19})x_4x_3+$$
$$262144u_6^2u_5^2u_4^{30}u_1^{18}x_3-131072u_6^2u_5^2u_4^{32}u_1^{17}$$

Reduced to zero.

4597. Creating S-polynomial from the pair (p_{72}, p_{89}).

Skipping pair p_{72} and p_{89} because gcd of their leading monoms is zero.

4598. Creating S-polynomial from the pair (p_{72}, p_{90}).

Forming S-pol of p_{72} and p_{90}: Polynomial too big for output (text size is 1674 characters, number of terms is 18)

Reduced to zero.

4599. Creating S-polynomial from the pair (p_{72}, p_{91}).

Forming S-pol of p_{72} and p_{91}: Polynomial too big for output (text size is 1090 characters, number of terms is 15)

Reduced to zero.

4600. Creating S-polynomial from the pair (p_{72}, p_{92}).

Forming S-pol of p_{72} and p_{92}: Polynomial too big for output (text size is 1170 characters, number of terms is 16)

Reduced to zero.

4601. Creating S-polynomial from the pair (p_{72}, p_{93}).

Forming S-pol of p_{72} and p_{93}: Polynomial too big for output (text size is 2080 characters, number of terms is 17)

S-pol added.

4602. Creating S-polynomial from the pair (p_{72}, p_{94}).

Forming S-pol of p_{72} and p_{94}:

$$p_{1042}=16384u_4^{25}u_1^{14}x_{16}x_{14}x_5-8192u_4^{26}u_1^{13}x_{16}x_5x_4+$$
$$(4096u_5u_4^{27}u_1^{12}-16384u_5u_4^{25}u_1^{14})x_{16}x_5+$$
$$(8192u_6u_4^{25}u_1^{13}+32768u_6u_4^{23}u_1^{15})x_{16}x_4x_3+$$
$$(-4096u_6u_4^{27}u_1^{12}-16384u_6u_4^{25}u_1^{14})x_{16}x_4+$$

$$(-4096u_6u_4^{26}u_1^{12} - 16384u_6u_4^{24}u_1^{14})x_5x_4x_3+$$
$$(2048u_6u_4^{28}u_1^{11} + 8192u_6u_4^{26}u_1^{13})x_5x_4+$$
$$(2048u_6u_5u_4^{27}u_1^{11} + 8192u_5u_4^{26}u_1^{13})x_5x_3 - 4096u_5u_4^{28}u_1^{12}x_5+$$
$$(-2048u_6^2u_4^{27}u_1^{11} - 8192u_6^2u_4^{25}u_1^{13})x_4x_3-$$
$$4096u_6^2u_5u_4^{26}u_1^{12}x_3 + 2048u_6^2u_5u_4^{28}u_1^{11}$$

Reduced to zero.

4603. Creating S-polynomial from the pair (p_{72}, p_{95}).

Forming S-pol of p_{72} and p_{95}: Polynomial too big for output (text size is 2576 characters, number of terms is 22)

Reduced to zero.

4604. Creating S-polynomial from the pair (p_{72}, p_{96}).

Forming S-pol of p_{72} and p_{96}: Polynomial too big for output (text size is 1368 characters, number of terms is 16)

Reduced to zero.

4605. Creating S-polynomial from the pair (p_{72}, p_{97}).

Forming S-pol of p_{72} and p_{97}: Polynomial too big for output (text size is 1880 characters, number of terms is 18)

S-pol added.

4606. Creating S-polynomial from the pair (p_{72}, p_{98}).

Skipping pair p_{72} and p_{98} because gcd of their leading monoms is zero.

4607. Creating S-polynomial from the pair (p_{72}, p_{99}).

Forming S-pol of p_{72} and p_{99}: Polynomial too big for output (text size is 6353 characters, number of terms is 37)

Reduced to zero.

4608. Creating S-polynomial from the pair (p_{72}, p_{100}).

Forming S-pol of p_{72} and p_{100}: Polynomial too big for output (text size is 2605 characters, number of terms is 22)

Reduced to zero.

4609. Creating S-polynomial from the pair (p_{72}, p_{101}).

Forming S-pol of p_{72} and p_{101}: Polynomial too big for output (text size is 1382 characters, number of terms is 16)

Reduced to zero.

4610. Creating S-polynomial from the pair (p_{72}, p_{102}).

Forming S-pol of p_{72} and p_{102}: Polynomial too big for output (text size is 1892 characters, number of terms is 18)

S-pol added.

4611. Creating S-polynomial from the pair (p_{72}, p_{103}).

Forming S-pol of p_{72} and p_{103}: Polynomial too big for output (text size is 6372 characters, number of terms is 37)

Reduced to zero.

4612. Creating S-polynomial from the pair (p_{72}, p_{104}).

Forming S-pol of p_{72} and p_{104}: Polynomial too big for output (text size is 1831 characters, number of terms is 21)

Reduced to zero.

4613. Creating S-polynomial from the pair (p_{72}, p_{105}).

Forming S-pol of p_{72} and p_{105}: Polynomial too big for output (text size is 1101 characters, number of terms is 16)

S-pol added.

4614. Creating S-polynomial from the pair (p_{72}, p_{106}).

Forming S-pol of p_{72} and p_{106}: Polynomial too big for output (text size is 1428 characters, number of terms is 17)

S-pol added.

4615. Creating S-polynomial from the pair (p_{73}, p_{74}).

Skipping pair p_{73} and p_{74} because gcd of their leading monoms is zero.

4616. Creating S-polynomial from the pair (p_{73}, p_{75}).

Skipping pair p_{73} and p_{75} because gcd of their leading monoms is zero.

4617. Creating S-polynomial from the pair (p_{73}, p_{76}).

Skipping pair p_{73} and p_{76} because gcd of their leading monoms is zero.

4618. Creating S-polynomial from the pair (p_{73}, p_{77}).

Skipping pair p_{73} and p_{77} because gcd of their leading monoms is zero.

4619. Creating S-polynomial from the pair (p_{73}, p_{78}).

Skipping pair p_{73} and p_{78} because gcd of their leading monoms is zero.

4620. Creating S-polynomial from the pair (p_{73}, p_{79}).

Skipping pair p_{73} and p_{79} because gcd of their leading monoms is zero.

4621. Creating S-polynomial from the pair (p_{73}, p_{80}).

Skipping pair p_{73} and p_{80} because gcd of their leading monoms is zero.

4622. Creating S-polynomial from the pair (p_{73}, p_{81}).

Skipping pair p_{73} and p_{81} because gcd of their leading monoms is zero.

4623. Creating S-polynomial from the pair (p_{73}, p_{82}).

Skipping pair p_{73} and p_{82} because gcd of their leading monoms is zero.

4624. Creating S-polynomial from the pair (p_{73}, p_{83}).

Skipping pair p_{73} and p_{83} because gcd of their leading monoms is zero.

4625. Creating S-polynomial from the pair (p_{73}, p_{84}).
Skipping pair p_{73} and p_{84} because gcd of their leading monoms is zero.

4626. Creating S-polynomial from the pair (p_{73}, p_{85}).
Skipping pair p_{73} and p_{85} because gcd of their leading monoms is zero.

4627. Creating S-polynomial from the pair (p_{73}, p_{86}).
Skipping pair p_{73} and p_{86} because gcd of their leading monoms is zero.

4628. Creating S-polynomial from the pair (p_{73}, p_{87}).
Skipping pair p_{73} and p_{87} because gcd of their leading monoms is zero.

4629. Creating S-polynomial from the pair (p_{73}, p_{88}).
Forming S-pol of p_{73} and p_{88}:

$$p_{1043} = -4096u_6u_4^{14}u_1^{12}x_{16}x_{14} + 2048u_6u_4^{15}u_1^{11}x_{16}x_4+$$
$$(-1024u_6u_5u_4^{16}u_1^{10} + 4096u_6u_5u_4^{14}u_1^{12})x_{16}-$$
$$1024u_6u_5u_4^{15}u_1^{10}x_5x_3 + 512u_6u_5u_4^{17}u_1^{9}x_5-$$
$$512u_6^2u_5u_4^{16}u_1^{9}x_3$$

Reduced to zero.

4630. Creating S-polynomial from the pair (p_{73}, p_{89}).
Skipping pair p_{73} and p_{89} because gcd of their leading monoms is zero.

4631. Creating S-polynomial from the pair (p_{73}, p_{90}).
Forming S-pol of p_{73} and p_{90}:

$$p_{1044} = -2097152u_5u_4^{23}u_1^{21}x_{16}^2x_4 - 1048576u_5^2u_4^{24}u_1^{20}x_{16}^2+$$
$$4194304u_6u_4^{22}u_1^{22}x_{16}x_{14}^2+$$
$$(2097152u_6u_5u_4^{24}u_1^{20} - 4194304u_6u_5u_4^{22}u_1^{22})x_{16}x_{14}+$$
$$1048576u_5u_4^{24}u_1^{20}x_{16}x_5x_4 + 524288u_5^2u_4^{25}u_1^{19}x_{16}x_5+$$
$$(-524288u_6u_5u_4^{25}u_1^{19} - 2097152u_6u_4^{24}u_1^{21})x_{16}x_4+$$
$$1048576u_6u_5^2u_4^{24}u_1^{20}x_{16} + 1048576u_6u_5u_4^{23}u_1^{20}x_{14}x_5x_3-$$
$$524288u_6u_5u_4^{25}u_1^{19}x_{14}x_5 + 524288u_6^2u_5u_4^{24}u_1^{19}x_{14}x_3$$

Reduced to zero.

4632. Creating S-polynomial from the pair (p_{73}, p_{91}).
Forming S-pol of p_{73} and p_{91}:

$$p_{1045} = -512u_5u_4^{12}u_1^{9}x_{16}^2 + 512u_6u_4^{12}u_1^{9}x_{16}x_{14} + 256u_5u_4^{13}u_1^{8}x_{16}x_5-$$
$$512u_6u_4^{11}u_1^{9}x_{16}x_4x_3 - 256u_6u_5u_4^{12}u_1^{8}x_{16}x_3+$$
$$512u_6u_4^{11}u_1^{9}x_{14}x_5x_3 - 256u_6u_4^{13}u_1^{8}x_{14}x_5+$$
$$256u_6^2u_4^{12}u_1^{8}x_{14}x_3$$

Reduced to zero.

4633. Creating S-polynomial from the pair (p_{73}, p_{92}).

Forming S-pol of p_{73} and p_{92}:

$$p_{1046} = 1024u_4^{11}u_1^{10}x_{16}^2x_4 + 2048u_5u_4^{10}u_1^{11}x_{16}^2 -$$
$$1024u_4^{11}u_1^{10}x_{16}x_{14}x_5 - 2048u_6u_4^{10}u_1^{11}x_{16}x_{14} -$$
$$512u_5u_4^{11}u_1^9x_{16}x_5x_3 + 256u_6u_4^{13}u_1^8x_{16}x_4 -$$
$$256u_6u_5u_4^{12}u_1^8x_{16}x_3 + 512u_6u_4^{11}u_1^9x_{14}x_5x_3 -$$
$$256u_6u_4^{13}u_1^8x_{14}x_5 + 256u_6^2u_4^{12}u_1^8x_{14}x_3$$

Reduced to zero.

4634. Creating S-polynomial from the pair (p_{73}, p_{93}).

Forming S-pol of p_{73} and p_{93}:

$$p_{1047} = -4096u_4^{18}u_1^{12}x_{16}x_{14}x_5 + (16384u_4^{15}u_1^{14} - 8192u_4^{15}u_1^{13})x_{16}x_5x_4x_3 +$$
$$(2048u_4^{19}u_1^{11} - 8192u_4^{17}u_1^{13})x_{16}x_5x_4 - 2048u_5u_4^{18}u_1^{11}x_{16}x_5x_3 +$$
$$4096u_5u_4^{18}u_1^{12}x_{16}x_5 +$$
$$(2048u_6u_4^{18}u_1^{11} + 8192u_6u_4^{16}u_1^{13} - 4096u_6u_4^{16}u_1^{12})x_{16}x_4x_3 +$$
$$(-1024u_6u_4^{20}u_1^{10} + 2048u_6u_4^{18}u_1^{11} - 8192u_6u_4^{16}u_1^{13})x_{16}x_4 +$$
$$(-1024u_6u_4^{19}u_1^{10} + 2048u_6u_4^{17}u_1^{11})x_5x_4x_3 +$$
$$(512u_6u_4^{21}u_1^9 - 1024u_6u_4^{19}u_1^{10})x_5x_4 +$$
$$(-512u_6^2u_4^{20}u_1^9 + 1024u_6^2u_4^{18}u_1^{10})x_4x_3$$

S-pol added.

4635. Creating S-polynomial from the pair (p_{73}, p_{94}).

Forming S-pol of p_{73} and p_{94}:

$$p_{1048} = -32u_6u_4^{10}u_1^5x_{16}x_3 + 16u_6u_4^{12}u_1^4x_{16} + 16u_6u_4^{11}u_1^4x_5x_3 -$$
$$8u_6u_4^{13}u_1^3x_5 + 8u_6^2u_4^{12}u_1^3x_3$$

Reduced to zero.

4636. Creating S-polynomial from the pair (p_{73}, p_{95}).

Skipping pair p_{73} and p_{95} because gcd of their leading monoms is zero.

4637. Creating S-polynomial from the pair (p_{73}, p_{96}).

Skipping pair p_{73} and p_{96} because gcd of their leading monoms is zero.

4638. Creating S-polynomial from the pair (p_{73}, p_{97}).

Skipping pair p_{73} and p_{97} because gcd of their leading monoms is zero.

4639. Creating S-polynomial from the pair (p_{73}, p_{98}).

Skipping pair p_{73} and p_{98} because gcd of their leading monoms is zero.

4640. Creating S-polynomial from the pair (p_{73}, p_{99}).

Forming S-pol of p_{73} and p_{99}: Polynomial too big for output (text size is 2749 characters, number of terms is 30)

Reduced to zero.

4641. Creating S-polynomial from the pair (p_{73}, p_{100}).

Skipping pair p_{73} and p_{100} because gcd of their leading monoms is zero.

4642. Creating S-polynomial from the pair (p_{73}, p_{101}).

Skipping pair p_{73} and p_{101} because gcd of their leading monoms is zero.

4643. Creating S-polynomial from the pair (p_{73}, p_{102}).

Skipping pair p_{73} and p_{102} because gcd of their leading monoms is zero.

4644. Creating S-polynomial from the pair (p_{73}, p_{103}).

Forming S-pol of p_{73} and p_{103}: Polynomial too big for output (text size is 2761 characters, number of terms is 30)

Reduced to zero.

4645. Creating S-polynomial from the pair (p_{73}, p_{104}).

Forming S-pol of p_{73} and p_{104}:

$$p_{1049} = 2097152u_5u_4^{21}u_1^{21}x_{16}^2x_{14}+$$
$$(4194304u_5u_4^{20}u_1^{22} + 4194304u_4^{21}u_1^{22})x_{16}^2x_4+$$
$$(524288u_5^2u_4^{23}u_1^{19} - 2097152u_5^2u_4^{21}u_1^{21})x_{16}^2-$$
$$2097152u_6u_4^{21}u_1^{21}x_{16}x_{14}^2 - 2097152u_4^{21}u_1^{21}x_{16}x_{14}x_5x_4-$$
$$1048576u_5u_4^{22}u_1^{20}x_{16}x_{14}x_5+$$
$$(1048576u_6u_4^{22}u_1^{20} - 4194304u_6u_4^{20}u_1^{22})x_{16}x_{14}x_4-$$
$$524288u_6u_5u_4^{23}u_1^{19}x_{16}x_{14} - 1048576u_5u_4^{21}u_1^{20}x_{16}x_5x_4x_3-$$
$$262144u_5^2u_4^{24}u_1^{18}x_{16}x_5 - 524288u_6u_5u_4^{22}u_1^{19}x_{16}x_4x_3+$$
$$(262144u_6u_5u_4^{24}u_1^{18} + 1048576u_6u_4^{23}u_1^{20})x_{16}x_4-$$
$$524288u_6u_5^2u_4^{23}u_1^{19}x_{16} + 1048576u_6u_4^{21}u_1^{20}x_{14}x_5x_4x_3-$$
$$524288u_6u_4^{23}u_1^{19}x_{14}x_5x_4 + 524288u_6^2u_4^{22}u_1^{19}x_{14}x_4x_3$$

Reduced to zero.

4646. Creating S-polynomial from the pair (p_{73}, p_{105}).

Forming S-pol of p_{73} and p_{105}:

$$p_{1050} = 256u_5u_4^8u_1^8x_{16}^2 - 128u_4^9u_1^7x_{16}x_{14}x_5 - 256u_6u_4^8u_1^8x_{16}x_{14}+$$
$$64u_4^{10}u_1^6x_{16}x_5x_4 - 64u_5u_4^9u_1^6x_{16}x_5x_3+$$
$$64u_6u_4^9u_1^6x_{16}x_4x_3+$$
$$(-32u_6u_4^{11}u_1^5 + 128u_6u_4^9u_1^7)x_{16}x_4 - 32u_6u_4^{10}u_1^5x_5x_4x_3+$$
$$16u_6u_4^{12}u_1^4x_5x_4 - 16u_6^2u_4^{11}u_1^4x_4x_3$$

Reduced to zero.

4647. Creating S-polynomial from the pair (p_{73}, p_{106}).

Forming S-pol of p_{73} and p_{106}:

$$p_{1051} = -2048u_4^{17}u_1^{11}x_{16}x_{14}x_5 + (8192u_4^{14}u_1^{13} - 4096u_4^{14}u_1^{12})x_{16}x_5x_4x_3+$$
$$(1024u_4^{18}u_1^{10} - 4096u_4^{16}u_1^{12})x_{16}x_5x_4 - 1024u_5u_4^{17}u_1^{10}x_{16}x_5x_3+$$
$$2048u_5u_4^{17}u_1^{11}x_{16}x_5 + (1024u_6u_4^{17}u_1^{10} + 4096u_6u_4^{15}u_1^{12})x_{16}x_4x_3+$$
$$(-512u_6u_4^{19}u_1^{9} - 4096u_6u_4^{15}u_1^{12})x_{16}x_4 - 512u_6u_4^{18}u_1^{9}x_5x_4x_3+$$
$$256u_6u_4^{20}u_1^{8}x_5x_4 - 256u_6^2u_4^{19}u_1^{8}x_4x_3$$

S-pol added.

4648. Creating S-polynomial from the pair (p_{74}, p_{75}).

Skipping pair p_{74} and p_{75} because gcd of their leading monoms is zero.

4649. Creating S-polynomial from the pair (p_{74}, p_{76}).

Forming S-pol of p_{74} and p_{76}:

$$p_{1052} = 134217728u_5^2u_2^{29}u_1^{27}x_{12}x_4 + 67108864u_5^3u_2^{30}u_1^{26}x_{12}-$$
$$134217728u_6u_5u_2^{29}u_1^{27}x_{10}x_4 - 67108864u_6u_5^2u_2^{30}u_1^{26}x_{10}-$$
$$67108864u_5^2u_2^{30}u_1^{26}x_5x_4 - 33554432u_5^3u_2^{31}u_1^{25}x_5+$$
$$(33554432u_6u_5^2u_2^{31}u_1^{25} + 134217728u_6u_5u_2^{30}u_1^{27})x_4-$$
$$67108864u_6u_5^3u_2^{30}u_1^{26}$$

Reduced to zero.

4650. Creating S-polynomial from the pair (p_{74}, p_{77}).

Forming S-pol of p_{74} and p_{77}:

$$p_{1053} = 32768u_5^2u_2^{18}u_1^{15}x_{12} + 131072u_6u_2^{16}u_1^{17}x_{10}^2-$$
$$65536u_6u_2^{17}u_1^{16}x_{10}x_4 - 131072u_6u_5u_2^{16}u_1^{17}x_{10}-$$
$$16384u_5^2u_2^{19}u_1^{14}x_5 + 32768u_6u_5u_2^{17}u_1^{15}x_4x_1+$$
$$16384u_6u_5^2u_2^{18}u_1^{14}x_1$$

Reduced to zero.

4651. Creating S-polynomial from the pair (p_{74}, p_{78}).

Forming S-pol of p_{74} and p_{78}:

$$p_{1054} = -65536u_5u_2^{17}u_1^{16}x_{12}x_4 - 131072u_5^2u_2^{16}u_1^{17}x_{12}+$$
$$131072u_6u_2^{16}u_1^{17}x_{10}^2 + 65536u_5u_2^{17}u_1^{16}x_{10}x_5-$$
$$65536u_6u_2^{17}u_1^{16}x_{10}x_4 + 32768u_6u_5u_2^{18}u_1^{15}x_{10}+$$
$$32768u_5^2u_2^{17}u_1^{15}x_5x_1 - 16384u_6u_5u_2^{19}u_1^{14}x_4+$$
$$16384u_6u_5^2u_2^{18}u_1^{14}x_1$$

Reduced to zero.

4652. Creating S-polynomial from the pair (p_{74}, p_{79}).

Forming S-pol of p_{74} and p_{79}:

$$p_{1055} = 262144u_5u_2^{24}u_1^{18}x_{10}x_5+(-262144u_6u_2^{24}u_1^{18}+524288u_6u_2^{22}u_1^{19})x_{10}x_4+$$
$$(-1048576u_5u_2^{21}u_1^{20} + 524288u_5u_2^{21}u_1^{19})x_5x_4x_1+$$
$$(-131072u_5u_2^{25}u_1^{17} + 524288u_5u_2^{23}u_1^{19})x_5x_4+$$
$$131072u_5^2u_2^{24}u_1^{17}x_5x_1 - 262144u_5^2u_2^{24}u_1^{18}x_5+$$
$$(131072u_6u_2^{25}u_1^{17} - 262144u_6u_2^{23}u_1^{18})x_4^2+$$
$$(-131072u_6u_5u_2^{24}u_1^{17} - 524288u_6u_5u_2^{22}u_1^{19}+$$
$$262144u_6u_5u_2^{22}u_1^{18})x_4x_1 + 262144u_6u_5u_2^{24}u_1^{18}x_4$$

S-pol added.

4653. Creating S-polynomial from the pair (p_{74}, p_{80}).

Forming S-pol of p_{74} and p_{80}:

$$p_{1056} = 4096u_6u_2^{16}u_1^{12}x_{10} - 2048u_6u_2^{17}u_1^{11}x_4 + 2048u_6u_5u_2^{16}u_1^{11}x_1-$$
$$4096u_6u_5u_2^{16}u_1^{12}$$

Reduced to zero.

4654. Creating S-polynomial from the pair (p_{74}, p_{81}).

Skipping pair p_{74} and p_{81} because gcd of their leading monoms is zero.

4655. Creating S-polynomial from the pair (p_{74}, p_{82}).

Skipping pair p_{74} and p_{82} because gcd of their leading monoms is zero.

4656. Creating S-polynomial from the pair (p_{74}, p_{83}).

Skipping pair p_{74} and p_{83} because gcd of their leading monoms is zero.

4657. Creating S-polynomial from the pair (p_{74}, p_{84}).

Skipping pair p_{74} and p_{84} because gcd of their leading monoms is zero.

4658. Creating S-polynomial from the pair (p_{74}, p_{85}).

Skipping pair p_{74} and p_{85} because gcd of their leading monoms is zero.

4659. Creating S-polynomial from the pair (p_{74}, p_{86}).

Skipping pair p_{74} and p_{86} because gcd of their leading monoms is zero.

4660. Creating S-polynomial from the pair (p_{74}, p_{87}).

Skipping pair p_{74} and p_{87} because gcd of their leading monoms is zero.

4661. Creating S-polynomial from the pair (p_{74}, p_{88}).

Skipping pair p_{74} and p_{88} because gcd of their leading monoms is zero.

4662. Creating S-polynomial from the pair (p_{74}, p_{89}).

Skipping pair p_{74} and p_{89} because gcd of their leading monoms is zero.

4663. Creating S-polynomial from the pair (p_{74}, p_{90}).
Skipping pair p_{74} and p_{90} because gcd of their leading monoms is zero.

4664. Creating S-polynomial from the pair (p_{74}, p_{91}).
Skipping pair p_{74} and p_{91} because gcd of their leading monoms is zero.

4665. Creating S-polynomial from the pair (p_{74}, p_{92}).
Skipping pair p_{74} and p_{92} because gcd of their leading monoms is zero.

4666. Creating S-polynomial from the pair (p_{74}, p_{93}).
Skipping pair p_{74} and p_{93} because gcd of their leading monoms is zero.

4667. Creating S-polynomial from the pair (p_{74}, p_{94}).
Skipping pair p_{74} and p_{94} because gcd of their leading monoms is zero.

4668. Creating S-polynomial from the pair (p_{74}, p_{95}).
Skipping pair p_{74} and p_{95} because gcd of their leading monoms is zero.

4669. Creating S-polynomial from the pair (p_{74}, p_{96}).
Skipping pair p_{74} and p_{96} because gcd of their leading monoms is zero.

4670. Creating S-polynomial from the pair (p_{74}, p_{97}).
Skipping pair p_{74} and p_{97} because gcd of their leading monoms is zero.

4671. Creating S-polynomial from the pair (p_{74}, p_{98}).
Forming S-pol of p_{74} and p_{98}: Polynomial too big for output (text size is 2179 characters, number of terms is 26)
Reduced to zero.

4672. Creating S-polynomial from the pair (p_{74}, p_{99}).
Skipping pair p_{74} and p_{99} because gcd of their leading monoms is zero.

4673. Creating S-polynomial from the pair (p_{74}, p_{100}).
Forming S-pol of p_{74} and p_{100}:

$$p_{1057} = -134217728u_5^2u_2^{27}u_1^{27}x_{12}x_{10}+$$
$$(-268435456u_5^2u_2^{26}u_1^{28} - 268435456u_5u_2^{27}u_1^{28})x_{12}x_4+$$
$$(-33554432u_5^3u_2^{29}u_1^{25} + 134217728u_5^3u_2^{27}u_1^{27})x_{12}+$$
$$268435456u_6u_2^{26}u_1^{28}x_{10}^2x_4 + 134217728u_6u_5u_2^{27}u_1^{27}x_{10}^2+$$
$$134217728u_5u_2^{27}u_1^{27}x_{10}x_5x_4 + 67108864u_5^2u_2^{28}u_1^{26}x_{10}x_5-$$
$$134217728u_6u_2^{27}u_1^{27}x_{10}x_4^2 + 33554432u_6u_5^2u_2^{29}u_1^{25}x_{10}+$$
$$67108864u_5^2u_2^{27}u_1^{26}x_5x_4x_1 + 16777216u_5^3u_2^{30}u_1^{24}x_5+$$
$$33554432u_6u_5^2u_2^{28}u_1^{25}x_4x_1+$$
$$(-16777216u_6u_5^2u_2^{30}u_1^{24} - 67108864u_6u_5u_2^{29}u_1^{26})x_4+$$
$$33554432u_6u_5^3u_2^{29}u_1^{25}$$

Reduced to zero.

4674. Creating S-polynomial from the pair (p_{74}, p_{101}).

Forming S-pol of p_{74} and p_{101}:

$$p_{1058} = -16384u_5^2u_2^{14}u_1^{14}x_{12} + 8192u_5u_2^{15}u_1^{13}x_{10}x_5 -$$
$$8192u_6u_2^{15}u_1^{13}x_{10}x_4 + 16384u_6u_5u_2^{14}u_1^{14}x_{10} -$$
$$4096u_5u_2^{16}u_1^{12}x_5x_4 + 4096u_5^2u_2^{15}u_1^{12}x_5x_1 +$$
$$4096u_6u_2^{16}u_1^{12}x_4^2 - 4096u_6u_5u_2^{15}u_1^{12}x_4x_1$$

Reduced to zero.

4675. Creating S-polynomial from the pair (p_{74}, p_{102}).

Forming S-pol of p_{74} and p_{102}:

$$p_{1059} = 131072u_5u_2^{23}u_1^{17}x_{10}x_5 - 131072u_6u_2^{23}u_1^{17}x_{10}x_4 +$$
$$(-524288u_5u_2^{20}u_1^{19} + 262144u_5u_2^{20}u_1^{18})x_5x_4x_1 +$$
$$(-65536u_5u_2^{24}u_1^{16} + 262144u_5u_2^{22}u_1^{18})x_5x_4 + 65536u_5^2u_2^{23}u_1^{16}x_5x_1 -$$
$$131072u_5^2u_2^{23}u_1^{17}x_5 + 65536u_6u_2^{24}u_1^{16}x_4^2 +$$
$$(-65536u_6u_5u_2^{23}u_1^{16} - 262144u_6u_5u_2^{21}u_1^{18})x_4x_1 +$$
$$(131072u_6u_5u_2^{23}u_1^{17} + 262144u_6u_5u_2^{21}u_1^{18})x_4$$

S-pol added.

4676. Creating S-polynomial from the pair (p_{74}, p_{103}).

Forming S-pol of p_{74} and p_{103}: Polynomial too big for output (text size is 2185 characters, number of terms is 26)

Reduced to zero.

4677. Creating S-polynomial from the pair (p_{74}, p_{104}).

Skipping pair p_{74} and p_{104} because gcd of their leading monoms is zero.

4678. Creating S-polynomial from the pair (p_{74}, p_{105}).

Skipping pair p_{74} and p_{105} because gcd of their leading monoms is zero.

4679. Creating S-polynomial from the pair (p_{74}, p_{106}).

Skipping pair p_{74} and p_{106} because gcd of their leading monoms is zero.

4680. Creating S-polynomial from the pair (p_{75}, p_{76}).

Forming S-pol of p_{75} and p_{76}:

$$p_{1060} = -4194304u_5u_2^{25}u_1^{21}x_{12}x_4 + 2097152u_5^2u_2^{24}u_1^{21}x_{12}x_1 +$$
$$(-1048576u_5^2u_2^{26}u_1^{20} - 4194304u_5^2u_2^{24}u_1^{22})x_{12} +$$
$$4194304u_6u_2^{24}u_1^{22}x_{10}^2 + 2097152u_5u_2^{25}u_1^{21}x_{10}x_5 +$$
$$1048576u_6u_5u_2^{26}u_1^{20}x_{10} + 1048576u_5u_2^{26}u_1^{20}x_5x_4 +$$
$$524288u_5^2u_2^{27}u_1^{19}x_5 +$$
$$(-524288u_6u_5u_2^{27}u_1^{19} - 2097152u_6u_2^{26}u_1^{21})x_4 + 1048576u_6u_5^2u_2^{26}u_1^{20}$$

Reduced to zero.

4681. Creating S-polynomial from the pair (p_{75}, p_{77}).
Forming S-pol of p_{75} and p_{77}:

$$p_{1061} = -1024u_2^{13}u_1^{10}x_{12}x_4 + 1024u_5u_2^{12}u_1^{10}x_{12}x_1 +$$
$$(-512u_5u_2^{14}u_1^9 - 2048u_5u_2^{12}u_1^{11})x_{12} + 1024u_2^{13}u_1^{10}x_{10}x_5 +$$
$$2048u_6u_2^{12}u_1^{11}x_{10} + 256u_5u_2^{15}u_1^8x_5 - 512u_6u_2^{13}u_1^9x_4x_1 -$$
$$256u_6u_5u_2^{14}u_1^8x_1$$

Reduced to zero.

4682. Creating S-polynomial from the pair (p_{75}, p_{78}).
Forming S-pol of p_{75} and p_{78}:

$$p_{1062} = 1024u_5u_2^{12}u_1^{10}x_{12}x_1 - 512u_6u_2^{14}u_1^9x_{10} - 512u_5u_2^{13}u_1^9x_5x_1 +$$
$$256u_6u_2^{15}u_1^8x_4 - 256u_6u_5u_2^{14}u_1^8x_1$$

Reduced to zero.

4683. Creating S-polynomial from the pair (p_{75}, p_{79}).
Skipping pair p_{75} and p_{79} because gcd of their leading monoms is zero.

4684. Creating S-polynomial from the pair (p_{75}, p_{80}).
Skipping pair p_{75} and p_{80} because gcd of their leading monoms is zero.

4685. Creating S-polynomial from the pair (p_{75}, p_{81}).
Skipping pair p_{75} and p_{81} because gcd of their leading monoms is zero.

4686. Creating S-polynomial from the pair (p_{75}, p_{82}).
Skipping pair p_{75} and p_{82} because gcd of their leading monoms is zero.

4687. Creating S-polynomial from the pair (p_{75}, p_{83}).
Skipping pair p_{75} and p_{83} because gcd of their leading monoms is zero.

4688. Creating S-polynomial from the pair (p_{75}, p_{84}).
Skipping pair p_{75} and p_{84} because gcd of their leading monoms is zero.

4689. Creating S-polynomial from the pair (p_{75}, p_{85}).
Skipping pair p_{75} and p_{85} because gcd of their leading monoms is zero.

4690. Creating S-polynomial from the pair (p_{75}, p_{86}).
Skipping pair p_{75} and p_{86} because gcd of their leading monoms is zero.

4691. Creating S-polynomial from the pair (p_{75}, p_{87}).
Skipping pair p_{75} and p_{87} because gcd of their leading monoms is zero.

4692. Creating S-polynomial from the pair (p_{75}, p_{88}).
Skipping pair p_{75} and p_{88} because gcd of their leading monoms is zero.

4693. Creating S-polynomial from the pair (p_{75}, p_{89}).
Skipping pair p_{75} and p_{89} because gcd of their leading monoms is zero.

4694. Creating S-polynomial from the pair (p_{75}, p_{90}).
Skipping pair p_{75} and p_{90} because gcd of their leading monoms is zero.

4695. Creating S-polynomial from the pair (p_{75}, p_{91}).
Skipping pair p_{75} and p_{91} because gcd of their leading monoms is zero.

4696. Creating S-polynomial from the pair (p_{75}, p_{92}).
Skipping pair p_{75} and p_{92} because gcd of their leading monoms is zero.

4697. Creating S-polynomial from the pair (p_{75}, p_{93}).
Skipping pair p_{75} and p_{93} because gcd of their leading monoms is zero.

4698. Creating S-polynomial from the pair (p_{75}, p_{94}).
Skipping pair p_{75} and p_{94} because gcd of their leading monoms is zero.

4699. Creating S-polynomial from the pair (p_{75}, p_{95}).
Skipping pair p_{75} and p_{95} because gcd of their leading monoms is zero.

4700. Creating S-polynomial from the pair (p_{75}, p_{96}).
Skipping pair p_{75} and p_{96} because gcd of their leading monoms is zero.

4701. Creating S-polynomial from the pair (p_{75}, p_{97}).
Skipping pair p_{75} and p_{97} because gcd of their leading monoms is zero.

4702. Creating S-polynomial from the pair (p_{75}, p_{98}).
Skipping pair p_{75} and p_{98} because gcd of their leading monoms is zero.

4703. Creating S-polynomial from the pair (p_{75}, p_{99}).
Skipping pair p_{75} and p_{99} because gcd of their leading monoms is zero.

4704. Creating S-polynomial from the pair (p_{75}, p_{100}).
Forming S-pol of p_{75} and p_{100}:

$$p_{1063} = 2097152u_5u_2^{23}u_1^{21}x_{12}x_{10} - 2097152u_2^{23}u_1^{21}x_{12}x_4^2+$$
$$2097152u_5u_2^{22}u_1^{21}x_{12}x_4x_1 + 4194304u_2^{23}u_1^{22}x_{12}x_4+$$
$$(524288u_5^2u_2^{25}u_1^{19} - 2097152u_5^2u_2^{23}u_1^{21})x_{12}-$$
$$2097152u_6u_2^{23}u_1^{21}x_{10}^2 - 1048576u_5u_2^{24}u_1^{20}x_{10}x_5-$$
$$524288u_6u_5u_2^{25}u_1^{19}x_{10} - 1048576u_5u_2^{23}u_1^{20}x_5x_4x_1-$$
$$262144u_5^2u_2^{26}u_1^{18}x_5 - 524288u_6u_5u_2^{24}u_1^{19}x_4x_1+$$
$$(262144u_6u_5u_2^{26}u_1^{18} + 1048576u_6u_2^{25}u_1^{20})x_4 - 524288u_6u_5^2u_2^{25}u_1^{19}$$

Reduced to zero.

4705. Creating S-polynomial from the pair (p_{75}, p_{101}).
Skipping pair p_{75} and p_{101} because gcd of their leading monoms is zero.

4706. Creating S-polynomial from the pair (p_{75}, p_{102}).

Skipping pair p_{75} and p_{102} because gcd of their leading monoms is zero.

4707. Creating S-polynomial from the pair (p_{75}, p_{103}).

Skipping pair p_{75} and p_{103} because gcd of their leading monoms is zero.

4708. Creating S-polynomial from the pair (p_{75}, p_{104}).

Skipping pair p_{75} and p_{104} because gcd of their leading monoms is zero.

4709. Creating S-polynomial from the pair (p_{75}, p_{105}).

Skipping pair p_{75} and p_{105} because gcd of their leading monoms is zero.

4710. Creating S-polynomial from the pair (p_{75}, p_{106}).

Skipping pair p_{75} and p_{106} because gcd of their leading monoms is zero.

4711. Creating S-polynomial from the pair (p_{76}, p_{77}).

Forming S-pol of p_{76} and p_{77}:

$$p_{1064} = 67108864u_5u_2^{25}u_1^{26}x_{12}x_{10}x_4 - 134217728u_6u_2^{24}u_1^{27}x_{10}^3+$$
$$(-33554432u_6u_5u_2^{26}u_1^{25} + 134217728u_6u_5u_2^{24}u_1^{27})x_{10}^2-$$
$$33554432u_5u_2^{26}u_1^{25}x_{10}x_5x_4 - 33554432u_6u_5u_2^{25}u_1^{25}x_{10}x_4x_1+$$
$$(16777216u_6u_5u_2^{27}u_1^{24} + 67108864u_6u_2^{26}u_1^{26})x_{10}x_4-$$
$$16777216u_6u_5^2u_2^{26}u_1^{24}x_{10}x_1 - 33554432u_6u_5^2u_2^{26}u_1^{25}x_{10}$$

Reduced to zero.

4712. Creating S-polynomial from the pair (p_{76}, p_{78}).

Forming S-pol of p_{76} and p_{78}:

$$p_{1065} = 134217728u_5u_2^{25}u_1^{26}x_{12}x_{10}x_4+$$
$$(33554432u_5^2u_2^{26}u_1^{25} + 134217728u_5^2u_2^{24}u_1^{27})x_{12}x_{10}-$$
$$134217728u_6u_2^{24}u_1^{27}x_{10}^3 - 67108864u_5u_2^{25}u_1^{26}x_{10}^2x_5-$$
$$67108864u_6u_5u_2^{26}u_1^{25}x_{10}^2 - 33554432u_5u_2^{26}u_1^{25}x_{10}x_5x_4-$$
$$33554432u_5^2u_2^{25}u_1^{25}x_{10}x_5x_1 - 16777216u_5^2u_2^{27}u_1^{24}x_{10}x_5+$$
$$(33554432u_6u_5u_2^{27}u_1^{24} + 67108864u_6u_2^{26}u_1^{26})x_{10}x_4-$$
$$16777216u_6u_5^2u_2^{26}u_1^{24}x_{10}x_1 - 33554432u_6u_5^2u_2^{26}u_1^{25}x_{10}$$

Reduced to zero.

4713. Creating S-polynomial from the pair (p_{76}, p_{79}).

Forming S-pol of p_{76} and p_{79}: Polynomial too big for output (text size is 1300 characters, number of terms is 14)

S-pol added.

4714. Creating S-polynomial from the pair (p_{76}, p_{80}).

Forming S-pol of p_{76} and p_{80}:

$$p_{1066} = 2097152u_5u_2^{25}u_1^{21}x_{12}x_4 + 1048576u_5^2u_2^{26}u_1^{20}x_{12} -$$
$$4194304u_6u_2^{24}u_1^{22}x_{10}^2 - 2097152u_6u_5u_2^{24}u_1^{21}x_{10}x_1 +$$
$$(-1048576u_6u_5u_2^{26}u_1^{20} + 4194304u_6u_5u_2^{24}u_1^{22})x_{10} -$$
$$1048576u_5u_2^{26}u_1^{20}x_5x_4 - 524288u_5^2u_2^{27}u_1^{19}x_5 +$$
$$(524288u_6u_5u_2^{27}u_1^{19} + 2097152u_6u_2^{26}u_1^{21})x_4 - 1048576u_6u_5^2u_2^{26}u_1^{20}$$

Reduced to zero.

4715. Creating S-polynomial from the pair (p_{76}, p_{81}).

Skipping pair p_{76} and p_{81} because gcd of their leading monoms is zero.

4716. Creating S-polynomial from the pair (p_{76}, p_{82}).

Skipping pair p_{76} and p_{82} because gcd of their leading monoms is zero.

4717. Creating S-polynomial from the pair (p_{76}, p_{83}).

Skipping pair p_{76} and p_{83} because gcd of their leading monoms is zero.

4718. Creating S-polynomial from the pair (p_{76}, p_{84}).

Skipping pair p_{76} and p_{84} because gcd of their leading monoms is zero.

4719. Creating S-polynomial from the pair (p_{76}, p_{85}).

Skipping pair p_{76} and p_{85} because gcd of their leading monoms is zero.

4720. Creating S-polynomial from the pair (p_{76}, p_{86}).

Skipping pair p_{76} and p_{86} because gcd of their leading monoms is zero.

4721. Creating S-polynomial from the pair (p_{76}, p_{87}).

Skipping pair p_{76} and p_{87} because gcd of their leading monoms is zero.

4722. Creating S-polynomial from the pair (p_{76}, p_{88}).

Skipping pair p_{76} and p_{88} because gcd of their leading monoms is zero.

4723. Creating S-polynomial from the pair (p_{76}, p_{89}).

Skipping pair p_{76} and p_{89} because gcd of their leading monoms is zero.

4724. Creating S-polynomial from the pair (p_{76}, p_{90}).

Skipping pair p_{76} and p_{90} because gcd of their leading monoms is zero.

4725. Creating S-polynomial from the pair (p_{76}, p_{91}).

Skipping pair p_{76} and p_{91} because gcd of their leading monoms is zero.

4726. Creating S-polynomial from the pair (p_{76}, p_{92}).

Skipping pair p_{76} and p_{92} because gcd of their leading monoms is zero.

4727. Creating S-polynomial from the pair (p_{76}, p_{93}).

Skipping pair p_{76} and p_{93} because gcd of their leading monoms is zero.

4728. Creating S-polynomial from the pair (p_{76}, p_{94}).

Skipping pair p_{76} and p_{94} because gcd of their leading monoms is zero.

4729. Creating S-polynomial from the pair (p_{76}, p_{95}).

Skipping pair p_{76} and p_{95} because gcd of their leading monoms is zero.

4730. Creating S-polynomial from the pair (p_{76}, p_{96}).

Skipping pair p_{76} and p_{96} because gcd of their leading monoms is zero.

4731. Creating S-polynomial from the pair (p_{76}, p_{97}).

Skipping pair p_{76} and p_{97} because gcd of their leading monoms is zero.

4732. Creating S-polynomial from the pair (p_{76}, p_{98}).

Forming S-pol of p_{76} and p_{98}: Polynomial too big for output (text size is 3492 characters, number of terms is 33)

Reduced to zero.

4733. Creating S-polynomial from the pair (p_{76}, p_{99}).

Skipping pair p_{76} and p_{99} because gcd of their leading monoms is zero.

4734. Creating S-polynomial from the pair (p_{76}, p_{100}).

Forming S-pol of p_{76} and p_{100}: Polynomial too big for output (text size is 1273 characters, number of terms is 18)

Reduced to zero.

4735. Creating S-polynomial from the pair (p_{76}, p_{101}).

Forming S-pol of p_{76} and p_{101}:

$$p_{1067} = 16777216u_5^2u_2^{22}u_1^{24}x_{12}x_{10} - 4194304u_5u_2^{24}u_1^{22}x_{12}x_4^2 -$$
$$2097152u_5^2u_2^{25}u_1^{21}x_{12}x_4 - 8388608u_5u_2^{23}u_1^{23}x_{10}^2x_5 +$$
$$8388608u_6u_2^{23}u_1^{23}x_{10}^2x_4 - 16777216u_6u_5u_2^{22}u_1^{24}x_{10}^2 +$$
$$4194304u_5u_2^{24}u_1^{22}x_{10}x_5x_4 - 4194304u_5^2u_2^{23}u_1^{22}x_{10}x_5x_1 +$$
$$4194304u_6u_5u_2^{23}u_1^{22}x_{10}x_4x_1 + 2097152u_6u_5u_2^{25}u_1^{21}x_{10}x_4 +$$
$$2097152u_5u_2^{25}u_1^{21}x_5x_4^2 + 1048576u_5^2u_2^{26}u_1^{20}x_5x_4 +$$
$$(-1048576u_6u_5u_2^{26}u_1^{20} - 4194304u_6u_2^{25}u_1^{22})x_4^2 +$$
$$2097152u_6u_5^2u_2^{25}u_1^{21}x_4$$

Reduced to zero.

4736. Creating S-polynomial from the pair (p_{76}, p_{102}).

Forming S-pol of p_{76} and p_{102}:

$$p_{1068} = -67108864u_5u_2^{32}u_1^{26}x_{12}x_4^2 - 33554432u_5^2u_2^{33}u_1^{25}x_{12}x_4 -$$
$$134217728u_5u_2^{31}u_1^{27}x_{10}^2x_5 + 134217728u_6u_2^{31}u_1^{27}x_{10}^2x_4 +$$
$$(536870912u_5u_2^{28}u_1^{29} - 268435456u_5u_2^{28}u_1^{28})x_{10}x_5x_4x_1 +$$

$$(67108864u_5u_2^{32}u_1^{26} - 268435456u_5u_2^{30}u_1^{28})x_{10}x_5x_4-$$
$$67108864u_5^2u_2^{31}u_1^{26}x_{10}x_5x_1 + 134217728u_5^2u_2^{31}u_1^{27}x_{10}x_5+$$
$$(67108864u_6u_5u_2^{31}u_1^{26} + 268435456u_6u_5u_2^{29}u_1^{28})x_{10}x_4x_1+$$
$$(33554432u_6u_5u_2^{33}u_1^{25} - 134217728u_6u_5u_2^{31}u_1^{27}-$$
$$268435456u_6u_5u_2^{29}u_1^{28})x_{10}x_4 + 33554432u_5u_2^{33}u_1^{25}x_5x_4^2+$$
$$16777216u_5^2u_2^{34}u_1^{24}x_5x_4+$$
$$(-16777216u_6u_5u_2^{34}u_1^{24} - 67108864u_6u_2^{33}u_1^{26})x_4^2+$$
$$33554432u_6u_5^2u_2^{33}u_1^{25}x_4$$

S-pol added.

4737. Creating S-polynomial from the pair (p_{76}, p_{103}).

Forming S-pol of p_{76} and p_{103}: Polynomial too big for output (text size is 3508 characters, number of terms is 33)

Reduced to zero.

4738. Creating S-polynomial from the pair (p_{76}, p_{104}).

Skipping pair p_{76} and p_{104} because gcd of their leading monoms is zero.

4739. Creating S-polynomial from the pair (p_{76}, p_{105}).

Skipping pair p_{76} and p_{105} because gcd of their leading monoms is zero.

4740. Creating S-polynomial from the pair (p_{76}, p_{106}).

Skipping pair p_{76} and p_{106} because gcd of their leading monoms is zero.

4741. Creating S-polynomial from the pair (p_{77}, p_{78}).

Forming S-pol of p_{77} and p_{78}:

$$p_{1069} = 32768u_2^{13}u_1^{15}x_{12}x_{10}x_4+$$
$$(16384u_5u_2^{14}u_1^{14} + 65536u_5u_2^{12}u_1^{16})x_{12}x_{10} - 32768u_2^{13}u_1^{15}x_{10}^2x_5+$$
$$(-16384u_6u_2^{14}u_1^{14} - 65536u_6u_2^{12}u_1^{16})x_{10}^2 - 16384u_5u_2^{13}u_1^{14}x_{10}x_5x_1-$$
$$8192u_5u_2^{15}u_1^{13}x_{10}x_5 + 16384u_6u_2^{13}u_1^{14}x_{10}x_4x_1+$$
$$8192u_6u_2^{15}u_1^{13}x_{10}x_4$$

Reduced to zero.

4742. Creating S-polynomial from the pair (p_{77}, p_{79}).

Forming S-pol of p_{77} and p_{79}:

$$p_{1070} = (-32768u_5u_2^{22}u_1^{15} + 65536u_5u_2^{20}u_1^{16})x_{12}x_4 - 131072u_2^{20}u_1^{17}x_{10}^2x_5+$$
$$(524288u_2^{17}u_1^{19} - 262144u_2^{17}u_1^{18})x_{10}x_5x_4x_1+$$
$$(65536u_2^{21}u_1^{16} - 262144u_2^{19}u_1^{18})x_{10}x_5x_4 - 65536u_5u_2^{20}u_1^{16}x_{10}x_5x_1+$$
$$131072u_5u_2^{20}u_1^{17}x_{10}x_5+$$
$$(65536u_6u_2^{20}u_1^{16} + 262144u_6u_2^{18}u_1^{18} - 131072u_6u_2^{18}u_1^{17})x_{10}x_4x_1-$$

$$262144u_6u_2^{18}u_1^{18}x_{10}x_4 + (16384u_5u_2^{23}u_1^{14} - 32768u_5u_2^{21}u_1^{15})x_5x_4+$$
$$(-32768u_6u_2^{21}u_1^{15} + 65536u_6u_2^{19}u_1^{16})x_4^2x_1+$$
$$(-16384u_6u_5u_2^{22}u_1^{14} + 32768u_6u_5u_2^{20}u_1^{15})x_4x_1$$

S-pol added.

4743. Creating S-polynomial from the pair (p_{77}, p_{80}).

Forming S-pol of p_{77} and p_{80}:

$$p_{1071} = 512u_5u_2^{14}u_1^9x_{12} - 1024u_6u_2^{12}u_1^{10}x_{10}x_1 - 256u_5u_2^{15}u_1^8x_5+$$
$$512u_6u_2^{13}u_1^9x_4x_1 + 256u_6u_5u_2^{14}u_1^8x_1$$

Reduced to zero.

4744. Creating S-polynomial from the pair (p_{77}, p_{81}).

Skipping pair p_{77} and p_{81} because gcd of their leading monoms is zero.

4745. Creating S-polynomial from the pair (p_{77}, p_{82}).

Skipping pair p_{77} and p_{82} because gcd of their leading monoms is zero.

4746. Creating S-polynomial from the pair (p_{77}, p_{83}).

Skipping pair p_{77} and p_{83} because gcd of their leading monoms is zero.

4747. Creating S-polynomial from the pair (p_{77}, p_{84}).

Skipping pair p_{77} and p_{84} because gcd of their leading monoms is zero.

4748. Creating S-polynomial from the pair (p_{77}, p_{85}).

Skipping pair p_{77} and p_{85} because gcd of their leading monoms is zero.

4749. Creating S-polynomial from the pair (p_{77}, p_{86}).

Skipping pair p_{77} and p_{86} because gcd of their leading monoms is zero.

4750. Creating S-polynomial from the pair (p_{77}, p_{87}).

Skipping pair p_{77} and p_{87} because gcd of their leading monoms is zero.

4751. Creating S-polynomial from the pair (p_{77}, p_{88}).

Skipping pair p_{77} and p_{88} because gcd of their leading monoms is zero.

4752. Creating S-polynomial from the pair (p_{77}, p_{89}).

Skipping pair p_{77} and p_{89} because gcd of their leading monoms is zero.

4753. Creating S-polynomial from the pair (p_{77}, p_{90}).

Skipping pair p_{77} and p_{90} because gcd of their leading monoms is zero.

4754. Creating S-polynomial from the pair (p_{77}, p_{91}).

Skipping pair p_{77} and p_{91} because gcd of their leading monoms is zero.

4755. Creating S-polynomial from the pair (p_{77}, p_{92}).

Skipping pair p_{77} and p_{92} because gcd of their leading monoms is zero.

4756. Creating S-polynomial from the pair (p_{77}, p_{93}).
Skipping pair p_{77} and p_{93} because gcd of their leading monoms is zero.

4757. Creating S-polynomial from the pair (p_{77}, p_{94}).
Skipping pair p_{77} and p_{94} because gcd of their leading monoms is zero.

4758. Creating S-polynomial from the pair (p_{77}, p_{95}).
Skipping pair p_{77} and p_{95} because gcd of their leading monoms is zero.

4759. Creating S-polynomial from the pair (p_{77}, p_{96}).
Skipping pair p_{77} and p_{96} because gcd of their leading monoms is zero.

4760. Creating S-polynomial from the pair (p_{77}, p_{97}).
Skipping pair p_{77} and p_{97} because gcd of their leading monoms is zero.

4761. Creating S-polynomial from the pair (p_{77}, p_{98}).
Forming S-pol of p_{77} and p_{98}: Polynomial too big for output (text size is 2815 characters, number of terms is 31)
Reduced to zero.

4762. Creating S-polynomial from the pair (p_{77}, p_{99}).
Skipping pair p_{77} and p_{99} because gcd of their leading monoms is zero.

4763. Creating S-polynomial from the pair (p_{77}, p_{100}).
Forming S-pol of p_{77} and p_{100}:

$$p_{1072} = 67108864u_5u_2^{23}u_1^{26}x_{12}x_{10}^2+$$
$$(33554432u_5u_2^{24}u_1^{25} + 134217728u_5u_2^{22}u_1^{27} + 134217728u_2^{23}u_1^{27})x_{12}x_{10}x_4+$$
$$(16777216u_5^2u_2^{25}u_1^{24} - 67108864u_5^2u_2^{23}u_1^{26})x_{12}x_{10}-$$
$$67108864u_6u_2^{23}u_1^{26}x_{10}^3 - 67108864u_2^{23}u_1^{26}x_{10}^2x_5x_4-$$
$$33554432u_5u_2^{24}u_1^{25}x_{10}^2x_5 - 134217728u_6u_2^{22}u_1^{27}x_{10}^2x_4-$$
$$16777216u_6u_5u_2^{25}u_1^{24}x_{10}^2 - 33554432u_5u_2^{23}u_1^{25}x_{10}x_5x_4x_1-$$
$$16777216u_5u_2^{25}u_1^{24}x_{10}x_5x_4 - 8388608u_5^2u_2^{26}u_1^{23}x_{10}x_5+$$
$$33554432u_6u_2^{23}u_1^{25}x_{10}x_4^2x_1+$$
$$(8388608u_6u_5u_2^{26}u_1^{23} + 33554432u_6u_2^{25}u_1^{25})x_{10}x_4-$$
$$16777216u_6u_5^2u_2^{25}u_1^{24}x_{10}$$

Reduced to zero.

4764. Creating S-polynomial from the pair (p_{77}, p_{101}).
Forming S-pol of p_{77} and p_{101}:

$$p_{1073} = 8192u_5u_2^{10}u_1^{13}x_{12}x_{10} - 1024u_5u_2^{13}u_1^{10}x_{12}x_4-$$
$$4096u_2^{11}u_1^{12}x_{10}^2x_5 - 8192u_6u_2^{10}u_1^{13}x_{10}^2 + 2048u_2^{12}u_1^{11}x_{10}x_5x_4-$$
$$2048u_5u_2^{11}u_1^{11}x_{10}x_5x_1 + 2048u_6u_2^{11}u_1^{11}x_{10}x_4x_1+$$
$$4096u_6u_2^{11}u_1^{12}x_{10}x_4 + 512u_5u_2^{14}u_1^{9}x_5x_4-$$
$$1024u_6u_2^{12}u_1^{10}x_4^2x_1 - 512u_6u_5u_2^{13}u_1^{9}x_4x_1$$

Reduced to zero.

4765. Creating S-polynomial from the pair (p_{77}, p_{102}).

Forming S-pol of p_{77} and p_{102}:

$$p_{1074} = -16384u_5u_2^{21}u_1^{14}x_{12}x_4 - 65536u_2^{19}u_1^{16}x_{10}^2x_5+$$
$$(262144u_2^{16}u_1^{18} - 131072u_2^{16}u_1^{17})x_{10}x_5x_4x_1+$$
$$(32768u_2^{20}u_1^{15} - 131072u_2^{18}u_1^{17})x_{10}x_5x_4 - 32768u_5u_2^{19}u_1^{15}x_{10}x_5x_1+$$
$$65536u_5u_2^{19}u_1^{16}x_{10}x_5+$$
$$(32768u_6u_2^{19}u_1^{15} + 131072u_6u_2^{17}u_1^{17})x_{10}x_4x_1-$$
$$131072u_6u_2^{17}u_1^{17}x_{10}x_4 + 8192u_5u_2^{22}u_1^{13}x_5x_4-$$
$$16384u_6u_2^{20}u_1^{14}x_4^2x_1 - 8192u_6u_5u_2^{21}u_1^{13}x_4x_1$$

S-pol added.

4766. Creating S-polynomial from the pair (p_{77}, p_{103}).

Forming S-pol of p_{77} and p_{103}: Polynomial too big for output (text size is 2831 characters, number of terms is 31)

Reduced to zero.

4767. Creating S-polynomial from the pair (p_{77}, p_{104}).

Skipping pair p_{77} and p_{104} because gcd of their leading monoms is zero.

4768. Creating S-polynomial from the pair (p_{77}, p_{105}).

Skipping pair p_{77} and p_{105} because gcd of their leading monoms is zero.

4769. Creating S-polynomial from the pair (p_{77}, p_{106}).

Skipping pair p_{77} and p_{106} because gcd of their leading monoms is zero.

4770. Creating S-polynomial from the pair (p_{78}, p_{79}).

Forming S-pol of p_{78} and p_{79}:

$$p_{1075} = (65536u_2^{21}u_1^{16} - 131072u_2^{19}u_1^{17})x_{12}x_4^2+$$
$$(131072u_5u_2^{20}u_1^{17} - 262144u_5u_2^{18}u_1^{18})x_{12}x_4 - 131072u_2^{20}u_1^{17}x_{10}^2x_5+$$
$$(524288u_2^{17}u_1^{19} - 262144u_2^{17}u_1^{18})x_{10}x_5x_4x_1+$$
$$(-262144u_2^{19}u_1^{18} + 131072u_2^{19}u_1^{17})x_{10}x_5x_4 - 65536u_5u_2^{20}u_1^{16}x_{10}x_5x_1+$$
$$131072u_5u_2^{20}u_1^{17}x_{10}x_5+$$
$$(65536u_6u_2^{20}u_1^{16} + 262144u_6u_2^{18}u_1^{18} - 131072u_6u_2^{18}u_1^{17})x_{10}x_4x_1+$$
$$(-32768u_6u_2^{22}u_1^{15} - 131072u_6u_2^{20}u_1^{17} + 65536u_6u_2^{20}u_1^{16})x_{10}x_4+$$
$$(-32768u_5u_2^{21}u_1^{15} + 65536u_5u_2^{19}u_1^{16})x_5x_4x_1+$$
$$(16384u_6u_2^{23}u_1^{14} - 32768u_6u_2^{21}u_1^{15})x_4^2+$$
$$(-16384u_6u_5u_2^{22}u_1^{14} + 32768u_6u_5u_2^{20}u_1^{15})x_4x_1$$

S-pol added.

4771. Creating S-polynomial from the pair (p_{78}, p_{80}).

Forming S-pol of p_{78} and p_{80}:

$$p_{1076} = -1024u_2^{13}u_1^{10}x_{12}x_4 - 2048u_5u_2^{12}u_1^{11}x_{12} + 1024u_2^{13}u_1^{10}x_{10}x_5 -$$
$$1024u_6u_2^{12}u_1^{10}x_{10}x_1 +$$
$$(512u_6u_2^{14}u_1^9 + 2048u_6u_2^{12}u_1^{11})x_{10} + 512u_5u_2^{13}u_1^9x_5x_1 -$$
$$256u_6u_2^{15}u_1^8x_4 + 256u_6u_5u_2^{14}u_1^8x_1$$

Reduced to zero.

4772. Creating S-polynomial from the pair (p_{78}, p_{81}).

Skipping pair p_{78} and p_{81} because gcd of their leading monoms is zero.

4773. Creating S-polynomial from the pair (p_{78}, p_{82}).

Skipping pair p_{78} and p_{82} because gcd of their leading monoms is zero.

4774. Creating S-polynomial from the pair (p_{78}, p_{83}).

Skipping pair p_{78} and p_{83} because gcd of their leading monoms is zero.

4775. Creating S-polynomial from the pair (p_{78}, p_{84}).

Skipping pair p_{78} and p_{84} because gcd of their leading monoms is zero.

4776. Creating S-polynomial from the pair (p_{78}, p_{85}).

Skipping pair p_{78} and p_{85} because gcd of their leading monoms is zero.

4777. Creating S-polynomial from the pair (p_{78}, p_{86}).

Skipping pair p_{78} and p_{86} because gcd of their leading monoms is zero.

4778. Creating S-polynomial from the pair (p_{78}, p_{87}).

Skipping pair p_{78} and p_{87} because gcd of their leading monoms is zero.

4779. Creating S-polynomial from the pair (p_{78}, p_{88}).

Skipping pair p_{78} and p_{88} because gcd of their leading monoms is zero.

4780. Creating S-polynomial from the pair (p_{78}, p_{89}).

Skipping pair p_{78} and p_{89} because gcd of their leading monoms is zero.

4781. Creating S-polynomial from the pair (p_{78}, p_{90}).

Skipping pair p_{78} and p_{90} because gcd of their leading monoms is zero.

4782. Creating S-polynomial from the pair (p_{78}, p_{91}).

Skipping pair p_{78} and p_{91} because gcd of their leading monoms is zero.

4783. Creating S-polynomial from the pair (p_{78}, p_{92}).

Skipping pair p_{78} and p_{92} because gcd of their leading monoms is zero.

4784. Creating S-polynomial from the pair (p_{78}, p_{93}).

Skipping pair p_{78} and p_{93} because gcd of their leading monoms is zero.

4785. Creating S-polynomial from the pair (p_{78}, p_{94}).

Skipping pair p_{78} and p_{94} because gcd of their leading monoms is zero.

4786. Creating S-polynomial from the pair (p_{78}, p_{95}).

Skipping pair p_{78} and p_{95} because gcd of their leading monoms is zero.

4787. Creating S-polynomial from the pair (p_{78}, p_{96}).

Skipping pair p_{78} and p_{96} because gcd of their leading monoms is zero.

4788. Creating S-polynomial from the pair (p_{78}, p_{97}).

Skipping pair p_{78} and p_{97} because gcd of their leading monoms is zero.

4789. Creating S-polynomial from the pair (p_{78}, p_{98}).

Forming S-pol of p_{78} and p_{98}: Polynomial too big for output (text size is 3060 characters, number of terms is 33)

Reduced to zero.

4790. Creating S-polynomial from the pair (p_{78}, p_{99}).

Skipping pair p_{78} and p_{99} because gcd of their leading monoms is zero.

4791. Creating S-polynomial from the pair (p_{78}, p_{100}).

Forming S-pol of p_{78} and p_{100}:

$$p_{1077} = 67108864u_5u_2^{23}u_1^{26}x_{12}x_{10}^2 - 67108864u_2^{23}u_1^{26}x_{12}x_{10}x_4^2+$$
$$134217728u_2^{23}u_1^{27}x_{12}x_{10}x_4+$$
$$(16777216u_5^2u_2^{25}u_1^{24} - 67108864u_5^2u_2^{23}u_1^{26})x_{12}x_{10}-$$
$$67108864u_6u_2^{23}u_1^{26}x_{10}^3 - 33554432u_5u_2^{24}u_1^{25}x_{10}^2x_5+$$
$$33554432u_6u_2^{24}u_1^{25}x_{10}^2x_4 - 16777216u_6u_5u_2^{25}u_1^{24}x_{10}^2-$$
$$8388608u_5^2u_2^{26}u_1^{23}x_{10}x_5 - 16777216u_6u_2^{25}u_1^{24}x_{10}x_4^2+$$
$$(8388608u_6u_5u_2^{26}u_1^{23} + 33554432u_6u_2^{25}u_1^{25})x_{10}x_4-$$
$$16777216u_6u_5^2u_2^{25}u_1^{24}x_{10}$$

Reduced to zero.

4792. Creating S-polynomial from the pair (p_{78}, p_{101}).

Forming S-pol of p_{78} and p_{101}:

$$p_{1078} = 8192u_5u_2^{10}u_1^{13}x_{12}x_{10} + 2048u_2^{12}u_1^{11}x_{12}x_4^2+$$
$$4096u_5u_2^{11}u_1^{12}x_{12}x_4 - 4096u_2^{11}u_1^{12}x_{10}^2x_5 - 8192u_6u_2^{10}u_1^{13}x_{10}^2-$$
$$2048u_5u_2^{11}u_1^{11}x_{10}x_5x_1 + 2048u_6u_2^{11}u_1^{11}x_{10}x_4x_1-$$
$$1024u_6u_2^{13}u_1^{10}x_{10}x_4 - 1024u_5u_2^{12}u_1^{10}x_5x_4x_1+$$
$$512u_6u_2^{14}u_1^9x_4^2 - 512u_6u_5u_2^{13}u_1^9x_4x_1$$

Reduced to zero.

4793. Creating S-polynomial from the pair (p_{78}, p_{102}).

Forming S-pol of p_{78} and p_{102}:

$$p_{1079} = 32768u_2^{20}u_1^{15}x_{12}x_4^2 + 65536u_5u_2^{19}u_1^{16}x_{12}x_4 -$$
$$65536u_2^{19}u_1^{16}x_{10}^2x_5 +$$
$$(262144u_2^{16}u_1^{18} - 131072u_2^{16}u_1^{17})x_{10}x_5x_4x_1 - 131072u_2^{18}u_1^{17}x_{10}x_5x_4 -$$
$$32768u_5u_2^{19}u_1^{15}x_{10}x_5x_1 + 65536u_5u_2^{19}u_1^{16}x_{10}x_5 +$$
$$(32768u_6u_2^{19}u_1^{15} + 131072u_6u_2^{17}u_1^{17})x_{10}x_4x_1 +$$
$$(-16384u_6u_2^{21}u_1^{14} - 65536u_6u_2^{19}u_1^{16} - 131072u_6u_2^{17}u_1^{17})x_{10}x_4 -$$
$$16384u_5u_2^{20}u_1^{14}x_5x_4x_1 + 8192u_6u_2^{22}u_1^{13}x_4^2 -$$
$$8192u_6u_5u_2^{21}u_1^{13}x_4x_1$$

S-pol added.

4794. Creating S-polynomial from the pair (p_{78}, p_{103}).

Forming S-pol of p_{78} and p_{103}: Polynomial too big for output (text size is 3078 characters, number of terms is 33)

Reduced to zero.

4795. Creating S-polynomial from the pair (p_{78}, p_{104}).

Skipping pair p_{78} and p_{104} because gcd of their leading monoms is zero.

4796. Creating S-polynomial from the pair (p_{78}, p_{105}).

Skipping pair p_{78} and p_{105} because gcd of their leading monoms is zero.

4797. Creating S-polynomial from the pair (p_{78}, p_{106}).

Skipping pair p_{78} and p_{106} because gcd of their leading monoms is zero.

4798. Creating S-polynomial from the pair (p_{79}, p_{80}).

Forming S-pol of p_{79} and p_{80}:

$$p_{1080} = 4096u_2^{20}u_1^{12}x_{10}x_5 + (-16384u_2^{17}u_1^{14} + 8192u_2^{17}u_1^{13})x_5x_4x_1 +$$
$$(-2048u_2^{21}u_1^{11} + 8192u_2^{19}u_1^{13})x_5x_4 + 2048u_5u_2^{20}u_1^{11}x_5x_1 -$$
$$4096u_5u_2^{20}u_1^{12}x_5 - 8192u_6u_2^{18}u_1^{13}x_4x_1 + 8192u_6u_2^{18}u_1^{13}x_4$$

S-pol added.

4799. Creating S-polynomial from the pair (p_{79}, p_{81}).

Skipping pair p_{79} and p_{81} because gcd of their leading monoms is zero.

4800. Creating S-polynomial from the pair (p_{79}, p_{82}).

Skipping pair p_{79} and p_{82} because gcd of their leading monoms is zero.

4801. Creating S-polynomial from the pair (p_{79}, p_{83}).

Skipping pair p_{79} and p_{83} because gcd of their leading monoms is zero.

4802. Creating S-polynomial from the pair (p_{79}, p_{84}).

Skipping pair p_{79} and p_{84} because gcd of their leading monoms is zero.

4803. Creating S-polynomial from the pair (p_{79}, p_{85}).

Skipping pair p_{79} and p_{85} because gcd of their leading monoms is zero.

4804. Creating S-polynomial from the pair (p_{79}, p_{86}).

Forming S-pol of p_{79} and p_{86}: Polynomial too big for output (text size is 2001 characters, number of terms is 14)

S-pol added.

4805. Creating S-polynomial from the pair (p_{79}, p_{87}).

Skipping pair p_{79} and p_{87} because gcd of their leading monoms is zero.

4806. Creating S-polynomial from the pair (p_{79}, p_{88}).

Skipping pair p_{79} and p_{88} because gcd of their leading monoms is zero.

4807. Creating S-polynomial from the pair (p_{79}, p_{89}).

Skipping pair p_{79} and p_{89} because gcd of their leading monoms is zero.

4808. Creating S-polynomial from the pair (p_{79}, p_{90}).

Skipping pair p_{79} and p_{90} because gcd of their leading monoms is zero.

4809. Creating S-polynomial from the pair (p_{79}, p_{91}).

Skipping pair p_{79} and p_{91} because gcd of their leading monoms is zero.

4810. Creating S-polynomial from the pair (p_{79}, p_{92}).

Skipping pair p_{79} and p_{92} because gcd of their leading monoms is zero.

4811. Creating S-polynomial from the pair (p_{79}, p_{93}).

Forming S-pol of p_{79} and p_{93}: Polynomial too big for output (text size is 2009 characters, number of terms is 14)

S-pol added.

4812. Creating S-polynomial from the pair (p_{79}, p_{94}).

Skipping pair p_{79} and p_{94} because gcd of their leading monoms is zero.

4813. Creating S-polynomial from the pair (p_{79}, p_{95}).

Forming S-pol of p_{79} and p_{95}: Polynomial too big for output (text size is 2098 characters, number of terms is 18)

S-pol added.

4814. Creating S-polynomial from the pair (p_{79}, p_{96}).

Forming S-pol of p_{79} and p_{96}:

$$p_{1081} = (-16384u_5u_3^4u_2^{14}u_1^{14} + 32768u_5u_3^4u_2^{12}u_1^{15})x_{12}x_8+$$

$$(8192u_3^5u_2^{14}u_1^{13} - 16384u_3^5u_2^{12}u_1^{14})x_{12}x_6x_5+$$

$$(16384u_6u_3^4u_2^{14}u_1^{14} - 32768u_6u_3^4u_2^{12}u_1^{15})x_{12}x_6+$$

$$(4096u_5u_3^5u_2^{14}u_1^{12} - 8192u_5u_3^5u_2^{12}u_1^{13})x_{12}x_5x_2+$$
$$(-4096u_6u_3^5u_2^{14}u_1^{12} + 8192u_6u_3^5u_2^{12}u_1^{13})x_{12}x_4x_2-$$
$$8192u_3^5u_2^{14}u_1^{13}x_{10}x_8x_5+$$
$$(32768u_3^5u_2^{11}u_1^{15} - 16384u_3^5u_2^{11}u_1^{14})x_8x_5x_4x_1+$$
$$(-16384u_3^5u_2^{13}u_1^{14} + 8192u_3^5u_2^{13}u_1^{13})x_8x_5x_4-$$
$$4096u_5u_3^5u_2^{14}u_1^{12}x_8x_5x_1 + 8192u_5u_3^5u_2^{14}u_1^{13}x_8x_5+$$
$$(4096u_6u_3^5u_2^{14}u_1^{12} + 16384u_6u_3^5u_2^{12}u_1^{14}-$$
$$8192u_6u_3^5u_2^{12}u_1^{13})x_8x_4x_1 - 8192u_6u_3^5u_2^{14}u_1^{13}x_8x_4$$

S-pol added.

4815. Creating S-polynomial from the pair (p_{79}, p_{97}).

Forming S-pol of p_{79} and p_{97}: Polynomial too big for output (text size is 1466 characters, number of terms is 14)

S-pol added.

4816. Creating S-polynomial from the pair (p_{79}, p_{98}).

Forming S-pol of p_{79} and p_{98}: Polynomial too big for output (text size is 4926 characters, number of terms is 31)

S-pol added.

4817. Creating S-polynomial from the pair (p_{79}, p_{99}).

Skipping pair p_{79} and p_{99} because gcd of their leading monoms is zero.

4818. Creating S-polynomial from the pair (p_{79}, p_{100}).

Forming S-pol of p_{79} and p_{100}: Polynomial too big for output (text size is 1641 characters, number of terms is 16)

S-pol added.

4819. Creating S-polynomial from the pair (p_{79}, p_{101}).

Forming S-pol of p_{79} and p_{101}:

$$p_{1082} = (-16384u_5u_2^{18}u_1^{14} + 32768u_5u_2^{16}u_1^{15})x_{12}x_4 - 16384u_2^{17}u_1^{14}x_{10}x_5x_4+$$
$$(16384u_6u_2^{18}u_1^{14} - 32768u_6u_2^{16}u_1^{15})x_{10}x_4+$$
$$(32768u_2^{16}u_1^{15} - 16384u_2^{16}u_1^{14})x_5x_4^2x_1+$$
$$(-16384u_2^{18}u_1^{14} + 8192u_2^{18}u_1^{13})x_5x_4^2 - 8192u_5u_2^{17}u_1^{13}x_5x_4x_1+$$
$$8192u_5u_2^{19}u_1^{13}x_5x_4 + 16384u_6u_2^{17}u_1^{14}x_4^2x_1-$$
$$8192u_6u_2^{19}u_1^{13}x_4^2$$

S-pol added.

4820. Creating S-polynomial from the pair (p_{79}, p_{102}).

Forming S-pol of p_{79} and p_{102}:

$$p_{1083} = -262144u_2^{25}u_1^{18}x_{10}x_5x_4+(1048576u_2^{22}u_1^{20}-524288u_2^{22}u_1^{19})x_5x_4^2x_1+$$
$$(131072u_2^{26}u_1^{17} - 524288u_2^{24}u_1^{19})x_5x_4^2 - 131072u_5u_2^{25}u_1^{17}x_5x_4x_1+$$
$$262144u_5u_2^{25}u_1^{18}x_5x_4 + 524288u_6u_2^{23}u_1^{19}x_4^2x_1-$$
$$524288u_6u_2^{23}u_1^{19}x_4^2$$

S-pol added.

4821. Creating S-polynomial from the pair (p_{79}, p_{103}).

Forming S-pol of p_{79} and p_{103}: Polynomial too big for output (text size is 4936 characters, number of terms is 31)

S-pol added.

4822. Creating S-polynomial from the pair (p_{79}, p_{104}).

Forming S-pol of p_{79} and p_{104}: Polynomial too big for output (text size is 2119 characters, number of terms is 18)

S-pol added.

4823. Creating S-polynomial from the pair (p_{79}, p_{105}).

Forming S-pol of p_{79} and p_{105}:

$$p_{1084} = (-16384u_5u_4^4u_2^{14}u_1^{14} + 32768u_5u_4^4u_2^{12}u_1^{15})x_{16}x_{12}-$$
$$8192u_4^5u_2^{14}u_1^{13}x_{16}x_{10}x_5+$$
$$(32768u_4^5u_2^{11}u_1^{15} - 16384u_4^5u_2^{11}u_1^{14})x_{16}x_5x_4x_1+$$
$$(-16384u_4^5u_2^{13}u_1^{14} + 8192u_4^5u_2^{13}u_1^{13})x_{16}x_5x_4-$$
$$4096u_5u_4^5u_2^{14}u_1^{12}x_{16}x_5x_1 + 8192u_5u_4^5u_2^{14}u_1^{13}x_{16}x_5+$$
$$(4096u_6u_4^5u_2^{14}u_1^{12} + 16384u_6u_4^5u_2^{12}u_1^{14}-$$
$$8192u_6u_4^5u_2^{12}u_1^{13})x_{16}x_4x_1 - 8192u_6u_4^5u_2^{14}u_1^{13}x_{16}x_4+$$
$$(8192u_4^5u_2^{14}u_1^{13} - 16384u_4^5u_2^{12}u_1^{14})x_{14}x_{12}x_5+$$
$$(16384u_6u_4^4u_2^{14}u_1^{14} - 32768u_6u_4^4u_2^{12}u_1^{15})x_{14}x_{12}+$$
$$(4096u_5u_4^5u_2^{14}u_1^{12} - 8192u_5u_4^5u_2^{12}u_1^{13})x_{12}x_5x_3+$$
$$(-4096u_6u_4^5u_2^{14}u_1^{12} + 8192u_6u_4^5u_2^{12}u_1^{13})x_{12}x_4x_3$$

S-pol added.

4824. Creating S-polynomial from the pair (p_{79}, p_{106}).

Forming S-pol of p_{79} and p_{106}: Polynomial too big for output (text size is 1475 characters, number of terms is 14)

S-pol added.

4825. Creating S-polynomial from the pair (p_{80}, p_{81}).

Skipping pair p_{80} and p_{81} because gcd of their leading monoms is zero.

4826. Creating S-polynomial from the pair (p_{80}, p_{82}).
Skipping pair p_{80} and p_{82} because gcd of their leading monoms is zero.

4827. Creating S-polynomial from the pair (p_{80}, p_{83}).
Skipping pair p_{80} and p_{83} because gcd of their leading monoms is zero.

4828. Creating S-polynomial from the pair (p_{80}, p_{84}).
Skipping pair p_{80} and p_{84} because gcd of their leading monoms is zero.

4829. Creating S-polynomial from the pair (p_{80}, p_{85}).
Skipping pair p_{80} and p_{85} because gcd of their leading monoms is zero.

4830. Creating S-polynomial from the pair (p_{80}, p_{86}).
Skipping pair p_{80} and p_{86} because gcd of their leading monoms is zero.

4831. Creating S-polynomial from the pair (p_{80}, p_{87}).
Skipping pair p_{80} and p_{87} because gcd of their leading monoms is zero.

4832. Creating S-polynomial from the pair (p_{80}, p_{88}).
Skipping pair p_{80} and p_{88} because gcd of their leading monoms is zero.

4833. Creating S-polynomial from the pair (p_{80}, p_{89}).
Skipping pair p_{80} and p_{89} because gcd of their leading monoms is zero.

4834. Creating S-polynomial from the pair (p_{80}, p_{90}).
Skipping pair p_{80} and p_{90} because gcd of their leading monoms is zero.

4835. Creating S-polynomial from the pair (p_{80}, p_{91}).
Skipping pair p_{80} and p_{91} because gcd of their leading monoms is zero.

4836. Creating S-polynomial from the pair (p_{80}, p_{92}).
Skipping pair p_{80} and p_{92} because gcd of their leading monoms is zero.

4837. Creating S-polynomial from the pair (p_{80}, p_{93}).
Skipping pair p_{80} and p_{93} because gcd of their leading monoms is zero.

4838. Creating S-polynomial from the pair (p_{80}, p_{94}).
Skipping pair p_{80} and p_{94} because gcd of their leading monoms is zero.

4839. Creating S-polynomial from the pair (p_{80}, p_{95}).
Skipping pair p_{80} and p_{95} because gcd of their leading monoms is zero.

4840. Creating S-polynomial from the pair (p_{80}, p_{96}).
Skipping pair p_{80} and p_{96} because gcd of their leading monoms is zero.

4841. Creating S-polynomial from the pair (p_{80}, p_{97}).
Skipping pair p_{80} and p_{97} because gcd of their leading monoms is zero.

4842. Creating S-polynomial from the pair (p_{80}, p_{98}).

Forming S-pol of p_{80} and p_{98}: Polynomial too big for output (text size is 2104 characters, number of terms is 27)

Reduced to zero.

4843. Creating S-polynomial from the pair (p_{80}, p_{99}).

Skipping pair p_{80} and p_{99} because gcd of their leading monoms is zero.

4844. Creating S-polynomial from the pair (p_{80}, p_{100}).

Forming S-pol of p_{80} and p_{100}:

$$p_{1085} = 2097152u_5u_2^{23}u_1^{21}x_{12}x_{10}+(4194304u_5u_2^{22}u_1^{22}+4194304u_2^{23}u_1^{22})x_{12}x_4+$$
$$(524288u_5^2u_2^{25}u_1^{19} - 2097152u_5^2u_2^{23}u_1^{21})x_{12}-$$
$$2097152u_6u_2^{23}u_1^{21}x_{10}^2 - 2097152u_2^{23}u_1^{21}x_{10}x_5x_4-$$
$$1048576u_5u_2^{24}u_1^{20}x_{10}x_5 + 2097152u_6u_2^{22}u_1^{21}x_{10}x_4x_1-$$
$$4194304u_6u_2^{22}u_1^{22}x_{10}x_4 - 524288u_6u_5u_2^{25}u_1^{19}x_{10}-$$
$$1048576u_5u_2^{23}u_1^{20}x_5x_4x_1 - 262144u_5^2u_2^{26}u_1^{18}x_5-$$
$$524288u_6u_5u_2^{24}u_1^{19}x_4x_1+$$
$$(262144u_6u_5u_2^{26}u_1^{18} + 1048576u_6u_2^{25}u_1^{20})x_4 - 524288u_6u_5^2u_2^{25}u_1^{19}$$

Reduced to zero.

4845. Creating S-polynomial from the pair (p_{80}, p_{101}).

Forming S-pol of p_{80} and p_{101}:

$$p_{1086} = 256u_5u_2^{10}u_1^8x_{12} - 128u_2^{11}u_1^7x_{10}x_5 - 256u_6u_2^{10}u_1^8x_{10}+$$
$$64u_2^{12}u_1^6x_5x_4 - 64u_5u_2^{11}u_1^6x_5x_1 + 128u_6u_2^{11}u_1^7x_4$$

Reduced to zero.

4846. Creating S-polynomial from the pair (p_{80}, p_{102}).

Forming S-pol of p_{80} and p_{102}:

$$p_{1087} = -2048u_2^{19}u_1^{11}x_{10}x_5 + (8192u_2^{16}u_1^{13} - 4096u_2^{16}u_1^{12})x_5x_4x_1+$$
$$(1024u_2^{20}u_1^{10} - 4096u_2^{18}u_1^{12})x_5x_4 - 1024u_5u_2^{19}u_1^{10}x_5x_1+$$
$$2048u_5u_2^{19}u_1^{11}x_5 + 4096u_6u_2^{17}u_1^{12}x_4x_1 - 4096u_6u_2^{17}u_1^{12}x_4$$

S-pol added.

4847. Creating S-polynomial from the pair (p_{80}, p_{103}).

Forming S-pol of p_{80} and p_{103}: Polynomial too big for output (text size is 2114 characters, number of terms is 27)

Reduced to zero.

4848. Creating S-polynomial from the pair (p_{80}, p_{104}).

Skipping pair p_{80} and p_{104} because gcd of their leading monoms is zero.

4849. Creating S-polynomial from the pair (p_{80}, p_{105}).
Skipping pair p_{80} and p_{105} because gcd of their leading monoms is zero.

4850. Creating S-polynomial from the pair (p_{80}, p_{106}).
Skipping pair p_{80} and p_{106} because gcd of their leading monoms is zero.

4851. Creating S-polynomial from the pair (p_{81}, p_{82}).
Skipping pair p_{81} and p_{82} because gcd of their leading monoms is zero.

4852. Creating S-polynomial from the pair (p_{81}, p_{83}).
Forming S-pol of p_{81} and p_{83}:

$$p_{1088} = 134217728u_5^2u_3^{29}u_1^{27}x_8x_4 + 67108864u_5^3u_3^{30}u_1^{26}x_8 -$$
$$134217728u_6u_5u_3^{29}u_1^{27}x_6x_4 - 67108864u_6u_5^2u_3^{30}u_1^{26}x_6 -$$
$$67108864u_5^2u_3^{30}u_1^{26}x_5x_4 - 33554432u_5^3u_3^{31}u_1^{25}x_5 +$$
$$(33554432u_6u_5^2u_3^{31}u_1^{25} + 134217728u_6u_5u_3^{30}u_1^{27})x_4 -$$
$$67108864u_6u_5^3u_3^{30}u_1^{26}$$

Reduced to zero.

4853. Creating S-polynomial from the pair (p_{81}, p_{84}).
Forming S-pol of p_{81} and p_{84}:

$$p_{1089} = 32768u_5^2u_3^{18}u_1^{15}x_8 + 131072u_6u_3^{16}u_1^{17}x_6^2 -$$
$$65536u_6u_3^{17}u_1^{16}x_6x_4 - 131072u_6u_5u_3^{16}u_1^{17}x_6 -$$
$$16384u_5^2u_3^{19}u_1^{14}x_5 + 32768u_6u_5u_3^{17}u_1^{15}x_4x_2 +$$
$$16384u_6u_5^2u_3^{18}u_1^{14}x_2$$

Reduced to zero.

4854. Creating S-polynomial from the pair (p_{81}, p_{85}).
Forming S-pol of p_{81} and p_{85}:

$$p_{1090} = -65536u_5u_3^{17}u_1^{16}x_8x_4 - 131072u_5^2u_3^{16}u_1^{17}x_8 +$$
$$131072u_6u_3^{16}u_1^{17}x_6^2 + 65536u_5u_3^{17}u_1^{16}x_6x_5 -$$
$$65536u_6u_3^{17}u_1^{16}x_6x_4 + 32768u_6u_5u_3^{18}u_1^{15}x_6 +$$
$$32768u_5^2u_3^{17}u_1^{15}x_5x_2 - 16384u_6u_5u_3^{19}u_1^{14}x_4 +$$
$$16384u_6u_5^2u_3^{18}u_1^{14}x_2$$

Reduced to zero.

4855. Creating S-polynomial from the pair (p_{81}, p_{86}).

Forming S-pol of p_{81} and p_{86}:

$$p_{1091} = 262144u_5u_3^{24}u_1^{18}x_6x_5+(-262144u_6u_3^{24}u_1^{18}+524288u_6u_3^{22}u_1^{19})x_6x_4+$$
$$(-1048576u_5u_3^{21}u_1^{20} + 524288u_5u_3^{21}u_1^{19})x_5x_4x_2+$$
$$(-131072u_5u_3^{25}u_1^{17} + 524288u_5u_3^{23}u_1^{19})x_5x_4+$$
$$131072u_5^2u_3^{24}u_1^{17}x_5x_2 - 262144u_5^2u_3^{24}u_1^{18}x_5+$$
$$(131072u_6u_3^{25}u_1^{17} - 262144u_6u_3^{23}u_1^{18})x_4^2+$$
$$(-131072u_6u_5u_3^{24}u_1^{17} - 524288u_6u_5u_3^{22}u_1^{19}+$$
$$262144u_6u_5u_3^{22}u_1^{18})x_4x_2 + 262144u_6u_5u_3^{24}u_1^{18}x_4$$

S-pol added.

4856. Creating S-polynomial from the pair (p_{81}, p_{87}).

Forming S-pol of p_{81} and p_{87}:

$$p_{1092} = 4096u_6u_3^{16}u_1^{12}x_6 - 2048u_6u_3^{17}u_1^{11}x_4 + 2048u_6u_5u_3^{16}u_1^{11}x_2-$$
$$4096u_6u_5u_3^{16}u_1^{12}$$

Reduced to zero.

4857. Creating S-polynomial from the pair (p_{81}, p_{88}).

Skipping pair p_{81} and p_{88} because gcd of their leading monoms is zero.

4858. Creating S-polynomial from the pair (p_{81}, p_{89}).

Skipping pair p_{81} and p_{89} because gcd of their leading monoms is zero.

4859. Creating S-polynomial from the pair (p_{81}, p_{90}).

Skipping pair p_{81} and p_{90} because gcd of their leading monoms is zero.

4860. Creating S-polynomial from the pair (p_{81}, p_{91}).

Skipping pair p_{81} and p_{91} because gcd of their leading monoms is zero.

4861. Creating S-polynomial from the pair (p_{81}, p_{92}).

Skipping pair p_{81} and p_{92} because gcd of their leading monoms is zero.

4862. Creating S-polynomial from the pair (p_{81}, p_{93}).

Skipping pair p_{81} and p_{93} because gcd of their leading monoms is zero.

4863. Creating S-polynomial from the pair (p_{81}, p_{94}).

Skipping pair p_{81} and p_{94} because gcd of their leading monoms is zero.

4864. Creating S-polynomial from the pair (p_{81}, p_{95}).

Forming S-pol of p_{81} and p_{95}:

$$p_{1093} = -134217728u_5^2u_3^{27}u_1^{27}x_8x_6+$$
$$(-268435456u_5^2u_3^{26}u_1^{28} - 268435456u_5u_3^{27}u_1^{28})x_8x_4+$$
$$(-33554432u_5^3u_3^{29}u_1^{25} + 134217728u_5^3u_3^{27}u_1^{27})x_8+$$
$$268435456u_6u_3^{26}u_1^{28}x_6^2x_4 + 134217728u_6u_5u_3^{27}u_1^{27}x_6^2+$$
$$134217728u_5u_3^{27}u_1^{27}x_6x_5x_4 + 67108864u_5^2u_3^{28}u_1^{26}x_6x_5-$$
$$134217728u_6u_3^{27}u_1^{27}x_6x_4^2 + 33554432u_6u_5^2u_3^{29}u_1^{25}x_6+$$
$$67108864u_5^2u_3^{27}u_1^{26}x_5x_4x_2 + 16777216u_5^3u_3^{30}u_1^{24}x_5+$$
$$33554432u_6u_5^2u_3^{28}u_1^{25}x_4x_2+$$
$$(-16777216u_6u_5^2u_3^{30}u_1^{24} - 67108864u_6u_5u_3^{29}u_1^{26})x_4+$$
$$33554432u_6u_5^3u_3^{29}u_1^{25}$$

Reduced to zero.

4865. Creating S-polynomial from the pair (p_{81}, p_{96}).

Forming S-pol of p_{81} and p_{96}:

$$p_{1094} = -16384u_5^2u_3^{14}u_1^{14}x_8 + 8192u_5u_3^{15}u_1^{13}x_6x_5 - 8192u_6u_3^{15}u_1^{13}x_6x_4+$$
$$16384u_6u_5u_3^{14}u_1^{14}x_6 - 4096u_5u_3^{16}u_1^{12}x_5x_4+$$
$$4096u_5^2u_3^{15}u_1^{12}x_5x_2 + 4096u_6u_3^{16}u_1^{12}x_4^2-$$
$$4096u_6u_5u_3^{15}u_1^{12}x_4x_2$$

Reduced to zero.

4866. Creating S-polynomial from the pair (p_{81}, p_{97}).

Forming S-pol of p_{81} and p_{97}:

$$p_{1095} = 131072u_5u_3^{23}u_1^{17}x_6x_5 - 131072u_6u_3^{23}u_1^{17}x_6x_4+$$
$$(-524288u_5u_3^{20}u_1^{19} + 262144u_5u_3^{20}u_1^{18})x_5x_4x_2+$$
$$(-65536u_5u_3^{24}u_1^{16} + 262144u_5u_3^{22}u_1^{18})x_5x_4 + 65536u_5^2u_3^{23}u_1^{16}x_5x_2-$$
$$131072u_5^2u_3^{23}u_1^{17}x_5 + 65536u_6u_3^{24}u_1^{16}x_4^2+$$
$$(-65536u_6u_5u_3^{23}u_1^{16} - 262144u_6u_5u_3^{21}u_1^{18})x_4x_2+$$
$$(131072u_6u_5u_3^{23}u_1^{17} + 262144u_6u_5u_3^{21}u_1^{18})x_4$$

S-pol added.

4867. Creating S-polynomial from the pair (p_{81}, p_{98}).

Forming S-pol of p_{81} and p_{98}: Polynomial too big for output (text size is 2178 characters, number of terms is 26)

Reduced to zero.

4868. Creating S-polynomial from the pair (p_{81}, p_{99}).

Forming S-pol of p_{81} and p_{99}: Polynomial too big for output (text size is 2176 characters, number of terms is 26)

Reduced to zero.

4869. Creating S-polynomial from the pair (p_{81}, p_{100}).

Skipping pair p_{81} and p_{100} because gcd of their leading monoms is zero.

4870. Creating S-polynomial from the pair (p_{81}, p_{101}).

Skipping pair p_{81} and p_{101} because gcd of their leading monoms is zero.

4871. Creating S-polynomial from the pair (p_{81}, p_{102}).

Skipping pair p_{81} and p_{102} because gcd of their leading monoms is zero.

4872. Creating S-polynomial from the pair (p_{81}, p_{103}).

Skipping pair p_{81} and p_{103} because gcd of their leading monoms is zero.

4873. Creating S-polynomial from the pair (p_{81}, p_{104}).

Skipping pair p_{81} and p_{104} because gcd of their leading monoms is zero.

4874. Creating S-polynomial from the pair (p_{81}, p_{105}).

Skipping pair p_{81} and p_{105} because gcd of their leading monoms is zero.

4875. Creating S-polynomial from the pair (p_{81}, p_{106}).

Skipping pair p_{81} and p_{106} because gcd of their leading monoms is zero.

4876. Creating S-polynomial from the pair (p_{82}, p_{83}).

Forming S-pol of p_{82} and p_{83}:

$$p_{1096} = -4194304u_5u_3^{25}u_1^{21}x_8x_4 + 2097152u_5^2u_3^{24}u_1^{21}x_8x_2+$$
$$(-1048576u_5^2u_3^{26}u_1^{20} - 4194304u_5^2u_3^{24}u_1^{22})x_8+$$
$$4194304u_6u_3^{24}u_1^{22}x_6^2 + 2097152u_5u_3^{25}u_1^{21}x_6x_5+$$
$$1048576u_6u_5u_3^{26}u_1^{20}x_6 + 1048576u_5u_3^{26}u_1^{20}x_5x_4+$$
$$524288u_5^2u_3^{27}u_1^{19}x_5+$$
$$(-524288u_6u_5u_3^{27}u_1^{19} - 2097152u_6u_3^{26}u_1^{21})x_4 + 1048576u_6u_5^2u_3^{26}u_1^{20}$$

Reduced to zero.

4877. Creating S-polynomial from the pair (p_{82}, p_{84}).

Forming S-pol of p_{82} and p_{84}:

$$p_{1097} = -1024u_3^{13}u_1^{10}x_8x_4 + 1024u_5u_3^{12}u_1^{10}x_8x_2+$$
$$(-512u_5u_3^{14}u_1^{9} - 2048u_5u_3^{12}u_1^{11})x_8 + 1024u_3^{13}u_1^{10}x_6x_5+$$
$$2048u_6u_3^{12}u_1^{11}x_6 + 256u_5u_3^{15}u_1^{8}x_5 - 512u_6u_3^{13}u_1^{9}x_4x_2-$$
$$256u_6u_5u_3^{14}u_1^{8}x_2$$

Reduced to zero.

4878. Creating S-polynomial from the pair (p_{82}, p_{85}).
Forming S-pol of p_{82} and p_{85}:

$$p_{1098} = 1024u_5u_3^{12}u_1^{10}x_8x_2 - 512u_6u_3^{14}u_1^9x_6 - 512u_5u_3^{13}u_1^9x_5x_2+$$
$$256u_6u_3^{15}u_1^8x_4 - 256u_6u_5u_3^{14}u_1^8x_2$$

Reduced to zero.

4879. Creating S-polynomial from the pair (p_{82}, p_{86}).
Skipping pair p_{82} and p_{86} because gcd of their leading monoms is zero.

4880. Creating S-polynomial from the pair (p_{82}, p_{87}).
Skipping pair p_{82} and p_{87} because gcd of their leading monoms is zero.

4881. Creating S-polynomial from the pair (p_{82}, p_{88}).
Skipping pair p_{82} and p_{88} because gcd of their leading monoms is zero.

4882. Creating S-polynomial from the pair (p_{82}, p_{89}).
Skipping pair p_{82} and p_{89} because gcd of their leading monoms is zero.

4883. Creating S-polynomial from the pair (p_{82}, p_{90}).
Skipping pair p_{82} and p_{90} because gcd of their leading monoms is zero.

4884. Creating S-polynomial from the pair (p_{82}, p_{91}).
Skipping pair p_{82} and p_{91} because gcd of their leading monoms is zero.

4885. Creating S-polynomial from the pair (p_{82}, p_{92}).
Skipping pair p_{82} and p_{92} because gcd of their leading monoms is zero.

4886. Creating S-polynomial from the pair (p_{82}, p_{93}).
Skipping pair p_{82} and p_{93} because gcd of their leading monoms is zero.

4887. Creating S-polynomial from the pair (p_{82}, p_{94}).
Skipping pair p_{82} and p_{94} because gcd of their leading monoms is zero.

4888. Creating S-polynomial from the pair (p_{82}, p_{95}).
Forming S-pol of p_{82} and p_{95}:

$$p_{1099} = 2097152u_5u_3^{23}u_1^{21}x_8x_6 - 2097152u_3^{23}u_1^{21}x_8x_4^2+$$
$$2097152u_5u_3^{22}u_1^{21}x_8x_4x_2 + 4194304u_3^{23}u_1^{22}x_8x_4+$$
$$(524288u_5^2u_3^{25}u_1^{19} - 2097152u_5^2u_3^{23}u_1^{21})x_8 - 2097152u_6u_3^{23}u_1^{21}x_6^2-$$
$$1048576u_5u_3^{24}u_1^{20}x_6x_5 - 524288u_6u_5u_3^{25}u_1^{19}x_6-$$
$$1048576u_5u_3^{23}u_1^{20}x_5x_4x_2 - 262144u_5^2u_3^{26}u_1^{18}x_5-$$
$$524288u_6u_5u_3^{24}u_1^{19}x_4x_2+$$
$$(262144u_6u_5u_3^{26}u_1^{18} + 1048576u_6u_3^{25}u_1^{20})x_4 - 524288u_6u_5^2u_3^{25}u_1^{19}$$

Reduced to zero.

4889. Creating S-polynomial from the pair (p_{82}, p_{96}).
Skipping pair p_{82} and p_{96} because gcd of their leading monoms is zero.

4890. Creating S-polynomial from the pair (p_{82}, p_{97}).
Skipping pair p_{82} and p_{97} because gcd of their leading monoms is zero.

4891. Creating S-polynomial from the pair (p_{82}, p_{98}).
Skipping pair p_{82} and p_{98} because gcd of their leading monoms is zero.

4892. Creating S-polynomial from the pair (p_{82}, p_{99}).
Skipping pair p_{82} and p_{99} because gcd of their leading monoms is zero.

4893. Creating S-polynomial from the pair (p_{82}, p_{100}).
Skipping pair p_{82} and p_{100} because gcd of their leading monoms is zero.

4894. Creating S-polynomial from the pair (p_{82}, p_{101}).
Skipping pair p_{82} and p_{101} because gcd of their leading monoms is zero.

4895. Creating S-polynomial from the pair (p_{82}, p_{102}).
Skipping pair p_{82} and p_{102} because gcd of their leading monoms is zero.

4896. Creating S-polynomial from the pair (p_{82}, p_{103}).
Skipping pair p_{82} and p_{103} because gcd of their leading monoms is zero.

4897. Creating S-polynomial from the pair (p_{82}, p_{104}).
Skipping pair p_{82} and p_{104} because gcd of their leading monoms is zero.

4898. Creating S-polynomial from the pair (p_{82}, p_{105}).
Skipping pair p_{82} and p_{105} because gcd of their leading monoms is zero.

4899. Creating S-polynomial from the pair (p_{82}, p_{106}).
Skipping pair p_{82} and p_{106} because gcd of their leading monoms is zero.

4900. Creating S-polynomial from the pair (p_{83}, p_{84}).
Forming S-pol of p_{83} and p_{84}:

$$p_{1100} = 67108864u_5u_3^{25}u_1^{26}x_8x_6x_4 - 134217728u_6u_3^{24}u_1^{27}x_6^3+$$
$$(-33554432u_6u_5u_3^{26}u_1^{25} + 134217728u_6u_5u_3^{24}u_1^{27})x_6^2-$$
$$33554432u_5u_3^{26}u_1^{25}x_6x_5x_4 - 33554432u_6u_5u_3^{25}u_1^{25}x_6x_4x_2+$$
$$(16777216u_6u_5u_3^{27}u_1^{24} + 67108864u_6u_3^{26}u_1^{26})x_6x_4-$$
$$16777216u_6u_5^2u_3^{26}u_1^{24}x_6x_2 - 33554432u_6u_5^2u_3^{26}u_1^{25}x_6$$

Reduced to zero.

4901. Creating S-polynomial from the pair (p_{83}, p_{85}).

Forming S-pol of p_{83} and p_{85}:

$$p_{1101} = 134217728u_5u_3^{25}u_1^{26}x_8x_6x_4+$$
$$(33554432u_5^2u_3^{26}u_1^{25} + 134217728u_5^2u_3^{24}u_1^{27})x_8x_6-$$
$$134217728u_6u_3^{24}u_1^{27}x_6^3 - 67108864u_5u_3^{25}u_1^{26}x_6^2x_5-$$
$$67108864u_6u_5u_3^{26}u_1^{25}x_6^2 - 33554432u_5u_3^{26}u_1^{25}x_6x_5x_4-$$
$$33554432u_5^2u_3^{25}u_1^{25}x_6x_5x_2 - 16777216u_5^2u_3^{27}u_1^{24}x_6x_5+$$
$$(33554432u_6u_5u_3^{27}u_1^{24} + 67108864u_6u_3^{26}u_1^{26})x_6x_4-$$
$$16777216u_6u_5^2u_3^{26}u_1^{24}x_6x_2 - 33554432u_6u_5^2u_3^{26}u_1^{25}x_6$$

Reduced to zero.

4902. Creating S-polynomial from the pair (p_{83}, p_{86}).

Forming S-pol of p_{83} and p_{86}: Polynomial too big for output (text size is 1290 characters, number of terms is 14)

S-pol added.

4903. Creating S-polynomial from the pair (p_{83}, p_{87}).

Forming S-pol of p_{83} and p_{87}:

$$p_{1102} = 2097152u_5u_3^{25}u_1^{21}x_8x_4 + 1048576u_5^2u_3^{26}u_1^{20}x_8-$$
$$4194304u_6u_3^{24}u_1^{22}x_6^2 - 2097152u_6u_5u_3^{24}u_1^{21}x_6x_2+$$
$$(-1048576u_6u_5u_3^{26}u_1^{20} + 4194304u_6u_5u_3^{24}u_1^{22})x_6-$$
$$1048576u_5u_3^{26}u_1^{20}x_5x_4 - 524288u_5^2u_3^{27}u_1^{19}x_5+$$
$$(524288u_6u_5u_3^{27}u_1^{19} + 2097152u_6u_3^{26}u_1^{21})x_4 - 1048576u_6u_5^2u_3^{26}u_1^{20}$$

Reduced to zero.

4904. Creating S-polynomial from the pair (p_{83}, p_{88}).

Skipping pair p_{83} and p_{88} because gcd of their leading monoms is zero.

4905. Creating S-polynomial from the pair (p_{83}, p_{89}).

Skipping pair p_{83} and p_{89} because gcd of their leading monoms is zero.

4906. Creating S-polynomial from the pair (p_{83}, p_{90}).

Skipping pair p_{83} and p_{90} because gcd of their leading monoms is zero.

4907. Creating S-polynomial from the pair (p_{83}, p_{91}).

Skipping pair p_{83} and p_{91} because gcd of their leading monoms is zero.

4908. Creating S-polynomial from the pair (p_{83}, p_{92}).

Skipping pair p_{83} and p_{92} because gcd of their leading monoms is zero.

4909. Creating S-polynomial from the pair (p_{83}, p_{93}).

Skipping pair p_{83} and p_{93} because gcd of their leading monoms is zero.

4910. Creating S-polynomial from the pair (p_{83}, p_{94}).

Skipping pair p_{83} and p_{94} because gcd of their leading monoms is zero.

4911. Creating S-polynomial from the pair (p_{83}, p_{95}).

Forming S-pol of p_{83} and p_{95}: Polynomial too big for output (text size is 1251 characters, number of terms is 18)

Reduced to zero.

4912. Creating S-polynomial from the pair (p_{83}, p_{96}).

Forming S-pol of p_{83} and p_{96}:

$$p_{1103} = 16777216u_5^2u_3^{22}u_1^{24}x_8x_6 - 4194304u_5u_3^{24}u_1^{22}x_8x_4^2 -$$
$$2097152u_5^2u_3^{25}u_1^{21}x_8x_4 - 8388608u_5u_3^{23}u_1^{23}x_6^2x_5 +$$
$$8388608u_6u_3^{23}u_1^{23}x_6^2x_4 - 16777216u_6u_5u_3^{22}u_1^{24}x_6^2 +$$
$$4194304u_5u_3^{24}u_1^{22}x_6x_5x_4 - 4194304u_5^2u_3^{23}u_1^{22}x_6x_5x_2 +$$
$$4194304u_6u_5u_3^{23}u_1^{22}x_6x_4x_2 + 2097152u_6u_5u_3^{25}u_1^{21}x_6x_4 +$$
$$2097152u_5u_3^{25}u_1^{21}x_5x_4^2 + 1048576u_5^2u_3^{26}u_1^{20}x_5x_4 +$$
$$(-1048576u_6u_5u_3^{26}u_1^{20} - 4194304u_6u_3^{25}u_1^{22})x_4^2 +$$
$$2097152u_6u_5^2u_3^{25}u_1^{21}x_4$$

Reduced to zero.

4913. Creating S-polynomial from the pair (p_{83}, p_{97}).

Forming S-pol of p_{83} and p_{97}:

$$p_{1104} = -67108864u_5u_3^{32}u_1^{26}x_8x_4^2 - 33554432u_5^2u_3^{33}u_1^{25}x_8x_4 -$$
$$134217728u_5u_3^{31}u_1^{27}x_6^2x_5 + 134217728u_6u_3^{31}u_1^{27}x_6^2x_4 +$$
$$(536870912u_5u_3^{28}u_1^{29} - 268435456u_5u_3^{28}u_1^{28})x_6x_5x_4x_2 +$$
$$(67108864u_5u_3^{32}u_1^{26} - 268435456u_5u_3^{30}u_1^{28})x_6x_5x_4 -$$
$$67108864u_5^2u_3^{31}u_1^{26}x_6x_5x_2 + 134217728u_5^2u_3^{31}u_1^{27}x_6x_5 +$$
$$(67108864u_6u_5u_3^{31}u_1^{26} + 268435456u_6u_5u_3^{29}u_1^{28})x_6x_4x_2 +$$
$$(33554432u_6u_5u_3^{33}u_1^{25} - 134217728u_6u_5u_3^{31}u_1^{27} -$$
$$268435456u_6u_5u_3^{29}u_1^{28})x_6x_4 + 33554432u_5u_3^{33}u_1^{25}x_5x_4^2 +$$
$$16777216u_5^2u_3^{34}u_1^{24}x_5x_4 +$$
$$(-16777216u_6u_5u_3^{34}u_1^{24} - 67108864u_6u_3^{33}u_1^{26})x_4^2 +$$
$$33554432u_6u_5^2u_3^{33}u_1^{25}x_4$$

S-pol added.

4914. Creating S-polynomial from the pair (p_{83}, p_{98}).

Forming S-pol of p_{83} and p_{98}: Polynomial too big for output (text size is 3473 characters, number of terms is 33)

Reduced to zero.

4915. Creating S-polynomial from the pair (p_{83}, p_{99}).

Forming S-pol of p_{83} and p_{99}: Polynomial too big for output (text size is 3474 characters, number of terms is 33)

Reduced to zero.

4916. Creating S-polynomial from the pair (p_{83}, p_{100}).

Skipping pair p_{83} and p_{100} because gcd of their leading monoms is zero.

4917. Creating S-polynomial from the pair (p_{83}, p_{101}).

Skipping pair p_{83} and p_{101} because gcd of their leading monoms is zero.

4918. Creating S-polynomial from the pair (p_{83}, p_{102}).

Skipping pair p_{83} and p_{102} because gcd of their leading monoms is zero.

4919. Creating S-polynomial from the pair (p_{83}, p_{103}).

Skipping pair p_{83} and p_{103} because gcd of their leading monoms is zero.

4920. Creating S-polynomial from the pair (p_{83}, p_{104}).

Skipping pair p_{83} and p_{104} because gcd of their leading monoms is zero.

4921. Creating S-polynomial from the pair (p_{83}, p_{105}).

Skipping pair p_{83} and p_{105} because gcd of their leading monoms is zero.

4922. Creating S-polynomial from the pair (p_{83}, p_{106}).

Skipping pair p_{83} and p_{106} because gcd of their leading monoms is zero.

4923. Creating S-polynomial from the pair (p_{84}, p_{85}).

Forming S-pol of p_{84} and p_{85}:

$$p_{1105} = 32768u_3^{13}u_1^{15}x_8x_6x_4+$$
$$(16384u_5u_3^{14}u_1^{14} + 65536u_5u_3^{12}u_1^{16})x_8x_6 - 32768u_3^{13}u_1^{15}x_6^2x_5+$$
$$(-16384u_6u_3^{14}u_1^{14} - 65536u_6u_3^{12}u_1^{16})x_6^2 - 16384u_5u_3^{13}u_1^{14}x_6x_5x_2-$$
$$8192u_5u_3^{15}u_1^{13}x_6x_5 + 16384u_6u_3^{13}u_1^{14}x_6x_4x_2+$$
$$8192u_6u_3^{15}u_1^{13}x_6x_4$$

Reduced to zero.

4924. Creating S-polynomial from the pair (p_{84}, p_{86}).

Forming S-pol of p_{84} and p_{86}:

$$p_{1106} = (-32768u_5u_3^{22}u_1^{15} + 65536u_5u_3^{20}u_1^{16})x_8x_4 - 131072u_3^{20}u_1^{17}x_6^2x_5+$$
$$(524288u_3^{17}u_1^{19} - 262144u_3^{17}u_1^{18})x_6x_5x_4x_2+$$
$$(65536u_3^{21}u_1^{16} - 262144u_3^{19}u_1^{18})x_6x_5x_4 - 65536u_5u_3^{20}u_1^{16}x_6x_5x_2+$$
$$131072u_5u_3^{20}u_1^{17}x_6x_5+$$
$$(65536u_6u_3^{20}u_1^{16} + 262144u_6u_3^{18}u_1^{18} - 131072u_6u_3^{18}u_1^{17})x_6x_4x_2-$$
$$262144u_6u_3^{18}u_1^{18}x_6x_4 + (16384u_5u_3^{23}u_1^{14} - 32768u_5u_3^{21}u_1^{15})x_5x_4+$$

$$(-32768u_6u_3^{21}u_1^{15} + 65536u_6u_3^{19}u_1^{16})x_4^2x_2+$$
$$(-16384u_6u_5u_3^{22}u_1^{14} + 32768u_6u_5u_3^{20}u_1^{15})x_4x_2$$

S-pol added.

4925. Creating S-polynomial from the pair (p_{84}, p_{87}).
Forming S-pol of p_{84} and p_{87}:

$$p_{1107} = 512u_5u_3^{14}u_1^9x_8 - 1024u_6u_3^{12}u_1^{10}x_6x_2 - 256u_5u_3^{15}u_1^8x_5+$$
$$512u_6u_3^{13}u_1^9x_4x_2 + 256u_6u_5u_3^{14}u_1^8x_2$$

Reduced to zero.

4926. Creating S-polynomial from the pair (p_{84}, p_{88}).
Skipping pair p_{84} and p_{88} because gcd of their leading monoms is zero.

4927. Creating S-polynomial from the pair (p_{84}, p_{89}).
Skipping pair p_{84} and p_{89} because gcd of their leading monoms is zero.

4928. Creating S-polynomial from the pair (p_{84}, p_{90}).
Skipping pair p_{84} and p_{90} because gcd of their leading monoms is zero.

4929. Creating S-polynomial from the pair (p_{84}, p_{91}).
Skipping pair p_{84} and p_{91} because gcd of their leading monoms is zero.

4930. Creating S-polynomial from the pair (p_{84}, p_{92}).
Skipping pair p_{84} and p_{92} because gcd of their leading monoms is zero.

4931. Creating S-polynomial from the pair (p_{84}, p_{93}).
Skipping pair p_{84} and p_{93} because gcd of their leading monoms is zero.

4932. Creating S-polynomial from the pair (p_{84}, p_{94}).
Skipping pair p_{84} and p_{94} because gcd of their leading monoms is zero.

4933. Creating S-polynomial from the pair (p_{84}, p_{95}).
Forming S-pol of p_{84} and p_{95}:

$$p_{1108} = 67108864u_5u_3^{23}u_1^{26}x_8x_6^2+$$
$$(33554432u_5u_3^{24}u_1^{25} + 134217728u_5u_3^{22}u_1^{27} + 134217728u_3^{23}u_1^{27})x_8x_6x_4+$$
$$(16777216u_5^2u_3^{25}u_1^{24} - 67108864u_5^2u_3^{23}u_1^{26})x_8x_6-$$
$$67108864u_6u_3^{23}u_1^{26}x_6^3 - 67108864u_3^{23}u_1^{26}x_6^2x_5x_4-$$
$$33554432u_5u_3^{24}u_1^{25}x_6^2x_5 - 134217728u_6u_3^{22}u_1^{27}x_6^2x_4-$$
$$16777216u_6u_5u_3^{25}u_1^{24}x_6^2 - 33554432u_5u_3^{23}u_1^{25}x_6x_5x_4x_2-$$
$$16777216u_5u_3^{25}u_1^{24}x_6x_5x_4 - 8388608u_5^2u_3^{26}u_1^{23}x_6x_5+$$
$$33554432u_6u_3^{23}u_1^{25}x_6x_4^2x_2+$$
$$(8388608u_6u_5u_3^{26}u_1^{23} + 33554432u_6u_3^{25}u_1^{25})x_6x_4-$$
$$16777216u_6u_5^2u_3^{25}u_1^{24}x_6$$

Reduced to zero.

4934. Creating S-polynomial from the pair (p_{84}, p_{96}).

Forming S-pol of p_{84} and p_{96}:

$$p_{1109} = 8192u_5u_3^{10}u_1^{13}x_8x_6 - 1024u_5u_3^{13}u_1^{10}x_8x_4 - 4096u_3^{11}u_1^{12}x_6^2x_5 -$$
$$8192u_6u_3^{10}u_1^{13}x_6^2 + 2048u_3^{12}u_1^{11}x_6x_5x_4 -$$
$$2048u_5u_3^{11}u_1^{11}x_6x_5x_2 + 2048u_6u_3^{11}u_1^{11}x_6x_4x_2 +$$
$$4096u_6u_3^{11}u_1^{12}x_6x_4 + 512u_5u_3^{14}u_1^{9}x_5x_4 -$$
$$1024u_6u_3^{12}u_1^{10}x_4^2x_2 - 512u_6u_5u_3^{13}u_1^{9}x_4x_2$$

Reduced to zero.

4935. Creating S-polynomial from the pair (p_{84}, p_{97}).

Forming S-pol of p_{84} and p_{97}:

$$p_{1110} = -16384u_5u_3^{21}u_1^{14}x_8x_4 - 65536u_3^{19}u_1^{16}x_6^2x_5 +$$
$$(262144u_3^{16}u_1^{18} - 131072u_3^{16}u_1^{17})x_6x_5x_4x_2 +$$
$$(32768u_3^{20}u_1^{15} - 131072u_3^{18}u_1^{17})x_6x_5x_4 - 32768u_5u_3^{19}u_1^{15}x_6x_5x_2 +$$
$$65536u_5u_3^{19}u_1^{16}x_6x_5 +$$
$$(32768u_6u_3^{19}u_1^{15} + 131072u_6u_3^{17}u_1^{17})x_6x_4x_2 - 131072u_6u_3^{17}u_1^{17}x_6x_4 +$$
$$8192u_5u_3^{22}u_1^{13}x_5x_4 - 16384u_6u_3^{20}u_1^{14}x_4^2x_2 -$$
$$8192u_6u_5u_3^{21}u_1^{13}x_4x_2$$

S-pol added.

4936. Creating S-polynomial from the pair (p_{84}, p_{98}).

Forming S-pol of p_{84} and p_{98}: Polynomial too big for output (text size is 2795 characters, number of terms is 31)

Reduced to zero.

4937. Creating S-polynomial from the pair (p_{84}, p_{99}).

Forming S-pol of p_{84} and p_{99}: Polynomial too big for output (text size is 2798 characters, number of terms is 31)

Reduced to zero.

4938. Creating S-polynomial from the pair (p_{84}, p_{100}).

Skipping pair p_{84} and p_{100} because gcd of their leading monoms is zero.

4939. Creating S-polynomial from the pair (p_{84}, p_{101}).

Skipping pair p_{84} and p_{101} because gcd of their leading monoms is zero.

4940. Creating S-polynomial from the pair (p_{84}, p_{102}).

Skipping pair p_{84} and p_{102} because gcd of their leading monoms is zero.

4941. Creating S-polynomial from the pair (p_{84}, p_{103}).

Skipping pair p_{84} and p_{103} because gcd of their leading monoms is zero.

4942. Creating S-polynomial from the pair (p_{84}, p_{104}).
Skipping pair p_{84} and p_{104} because gcd of their leading monoms is zero.

4943. Creating S-polynomial from the pair (p_{84}, p_{105}).
Skipping pair p_{84} and p_{105} because gcd of their leading monoms is zero.

4944. Creating S-polynomial from the pair (p_{84}, p_{106}).
Skipping pair p_{84} and p_{106} because gcd of their leading monoms is zero.

4945. Creating S-polynomial from the pair (p_{85}, p_{86}).
Forming S-pol of p_{85} and p_{86}:

$$p_{1111} = (65536u_3^{21}u_1^{16} - 131072u_3^{19}u_1^{17})x_8x_4^2+$$
$$(131072u_5u_3^{20}u_1^{17} - 262144u_5u_3^{18}u_1^{18})x_8x_4 - 131072u_3^{20}u_1^{17}x_6^2x_5+$$
$$(524288u_3^{17}u_1^{19} - 262144u_3^{17}u_1^{18})x_6x_5x_4x_2+$$
$$(-262144u_3^{19}u_1^{18} + 131072u_3^{19}u_1^{17})x_6x_5x_4 - 65536u_5u_3^{20}u_1^{16}x_6x_5x_2+$$
$$131072u_5u_3^{20}u_1^{17}x_6x_5+$$
$$(65536u_6u_3^{20}u_1^{16} + 262144u_6u_3^{18}u_1^{18} - 131072u_6u_3^{18}u_1^{17})x_6x_4x_2+$$
$$(-32768u_6u_3^{22}u_1^{15} - 131072u_6u_3^{20}u_1^{17} + 65536u_6u_3^{20}u_1^{16})x_6x_4+$$
$$(-32768u_5u_3^{21}u_1^{15} + 65536u_5u_3^{19}u_1^{16})x_5x_4x_2+$$
$$(16384u_6u_3^{23}u_1^{14} - 32768u_6u_3^{21}u_1^{15})x_4^2+$$
$$(-16384u_6u_5u_3^{22}u_1^{14} + 32768u_6u_5u_3^{20}u_1^{15})x_4x_2$$

S-pol added.

4946. Creating S-polynomial from the pair (p_{85}, p_{87}).
Forming S-pol of p_{85} and p_{87}:

$$p_{1112} = -1024u_3^{13}u_1^{10}x_8x_4 - 2048u_5u_3^{12}u_1^{11}x_8 + 1024u_3^{13}u_1^{10}x_6x_5-$$
$$1024u_6u_3^{12}u_1^{10}x_6x_2+$$
$$(512u_6u_3^{14}u_1^{9} + 2048u_6u_3^{12}u_1^{11})x_6 + 512u_5u_3^{13}u_1^{9}x_5x_2-$$
$$256u_6u_3^{15}u_1^{8}x_4 + 256u_6u_5u_3^{14}u_1^{8}x_2$$

Reduced to zero.

4947. Creating S-polynomial from the pair (p_{85}, p_{88}).
Skipping pair p_{85} and p_{88} because gcd of their leading monoms is zero.

4948. Creating S-polynomial from the pair (p_{85}, p_{89}).
Skipping pair p_{85} and p_{89} because gcd of their leading monoms is zero.

4949. Creating S-polynomial from the pair (p_{85}, p_{90}).
Skipping pair p_{85} and p_{90} because gcd of their leading monoms is zero.

4950. Creating S-polynomial from the pair (p_{85}, p_{91}).
Skipping pair p_{85} and p_{91} because gcd of their leading monoms is zero.

4951. Creating S-polynomial from the pair (p_{85}, p_{92}).
Skipping pair p_{85} and p_{92} because gcd of their leading monoms is zero.

4952. Creating S-polynomial from the pair (p_{85}, p_{93}).
Skipping pair p_{85} and p_{93} because gcd of their leading monoms is zero.

4953. Creating S-polynomial from the pair (p_{85}, p_{94}).
Skipping pair p_{85} and p_{94} because gcd of their leading monoms is zero.

4954. Creating S-polynomial from the pair (p_{85}, p_{95}).
Forming S-pol of p_{85} and p_{95}:

$$p_{1113} = 67108864u_5u_3^{23}u_1^{26}x_8x_6^2 - 67108864u_3^{23}u_1^{26}x_8x_6x_4^2+$$
$$134217728u_3^{23}u_1^{27}x_8x_6x_4+$$
$$(16777216u_5^2u_3^{25}u_1^{24} - 67108864u_5^2u_3^{23}u_1^{26})x_8x_6-$$
$$67108864u_6u_3^{23}u_1^{26}x_6^3 - 33554432u_5u_3^{24}u_1^{25}x_6^2x_5+$$
$$33554432u_6u_3^{24}u_1^{25}x_6^2x_4 - 16777216u_6u_5u_3^{25}u_1^{24}x_6^2-$$
$$8388608u_5^2u_3^{26}u_1^{23}x_6x_5 - 16777216u_6u_3^{25}u_1^{24}x_6x_4^2+$$
$$(8388608u_6u_5u_3^{26}u_1^{23} + 33554432u_6u_3^{25}u_1^{25})x_6x_4-$$
$$16777216u_6u_5^2u_3^{25}u_1^{24}x_6$$

Reduced to zero.

4955. Creating S-polynomial from the pair (p_{85}, p_{96}).
Forming S-pol of p_{85} and p_{96}:

$$p_{1114} = 8192u_5u_3^{10}u_1^{13}x_8x_6 + 2048u_3^{12}u_1^{11}x_8x_4^2 + 4096u_5u_3^{11}u_1^{12}x_8x_4-$$
$$4096u_3^{11}u_1^{12}x_6^2x_5 - 8192u_6u_3^{10}u_1^{13}x_6^2-$$
$$2048u_5u_3^{11}u_1^{11}x_6x_5x_2 + 2048u_6u_3^{11}u_1^{11}x_6x_4x_2-$$
$$1024u_6u_3^{13}u_1^{10}x_6x_4 - 1024u_5u_3^{12}u_1^{10}x_5x_4x_2+$$
$$512u_6u_3^{14}u_1^{9}x_4^2 - 512u_6u_5u_3^{13}u_1^{9}x_4x_2$$

Reduced to zero.

4956. Creating S-polynomial from the pair (p_{85}, p_{97}).
Forming S-pol of p_{85} and p_{97}:

$$p_{1115} = 32768u_3^{20}u_1^{15}x_8x_4^2 + 65536u_5u_3^{19}u_1^{16}x_8x_4 - 65536u_3^{19}u_1^{16}x_6^2x_5+$$
$$(262144u_3^{16}u_1^{18} - 131072u_3^{16}u_1^{17})x_6x_5x_4x_2 - 131072u_3^{18}u_1^{17}x_6x_5x_4-$$
$$32768u_5u_3^{19}u_1^{15}x_6x_5x_2 + 65536u_5u_3^{19}u_1^{16}x_6x_5+$$
$$(32768u_6u_3^{19}u_1^{15} + 131072u_6u_3^{17}u_1^{17})x_6x_4x_2+$$

$$(-16384u_6u_3^{21}u_1^{14} - 65536u_6u_3^{19}u_1^{16} - 131072u_6u_3^{17}u_1^{17})x_6x_4 -$$
$$16384u_5u_3^{20}u_1^{14}x_5x_4x_2 + 8192u_6u_3^{22}u_1^{13}x_4^2 -$$
$$8192u_6u_5u_3^{21}u_1^{13}x_4x_2$$

S-pol added.

4957. Creating S-polynomial from the pair (p_{85}, p_{98}).

Forming S-pol of p_{85} and p_{98}: Polynomial too big for output (text size is 3040 characters, number of terms is 33)

Reduced to zero.

4958. Creating S-polynomial from the pair (p_{85}, p_{99}).

Forming S-pol of p_{85} and p_{99}: Polynomial too big for output (text size is 3043 characters, number of terms is 33)

Reduced to zero.

4959. Creating S-polynomial from the pair (p_{85}, p_{100}).

Skipping pair p_{85} and p_{100} because gcd of their leading monoms is zero.

4960. Creating S-polynomial from the pair (p_{85}, p_{101}).

Skipping pair p_{85} and p_{101} because gcd of their leading monoms is zero.

4961. Creating S-polynomial from the pair (p_{85}, p_{102}).

Skipping pair p_{85} and p_{102} because gcd of their leading monoms is zero.

4962. Creating S-polynomial from the pair (p_{85}, p_{103}).

Skipping pair p_{85} and p_{103} because gcd of their leading monoms is zero.

4963. Creating S-polynomial from the pair (p_{85}, p_{104}).

Skipping pair p_{85} and p_{104} because gcd of their leading monoms is zero.

4964. Creating S-polynomial from the pair (p_{85}, p_{105}).

Skipping pair p_{85} and p_{105} because gcd of their leading monoms is zero.

4965. Creating S-polynomial from the pair (p_{85}, p_{106}).

Skipping pair p_{85} and p_{106} because gcd of their leading monoms is zero.

4966. Creating S-polynomial from the pair (p_{86}, p_{87}).

Forming S-pol of p_{86} and p_{87}:

$$p_{1116} = 4096u_3^{20}u_1^{12}x_6x_5 + (-16384u_3^{17}u_1^{14} + 8192u_3^{17}u_1^{13})x_5x_4x_2 +$$
$$(-2048u_3^{21}u_1^{11} + 8192u_3^{19}u_1^{13})x_5x_4 + 2048u_5u_3^{20}u_1^{11}x_5x_2 -$$
$$4096u_5u_3^{20}u_1^{12}x_5 - 8192u_6u_3^{18}u_1^{13}x_4x_2 + 8192u_6u_3^{18}u_1^{13}x_4$$

S-pol added.

4967. Creating S-polynomial from the pair (p_{86}, p_{88}).

Skipping pair p_{86} and p_{88} because gcd of their leading monoms is zero.

4968. Creating S-polynomial from the pair (p_{86}, p_{89}).

Skipping pair p_{86} and p_{89} because gcd of their leading monoms is zero.

4969. Creating S-polynomial from the pair (p_{86}, p_{90}).

Skipping pair p_{86} and p_{90} because gcd of their leading monoms is zero.

4970. Creating S-polynomial from the pair (p_{86}, p_{91}).

Skipping pair p_{86} and p_{91} because gcd of their leading monoms is zero.

4971. Creating S-polynomial from the pair (p_{86}, p_{92}).

Skipping pair p_{86} and p_{92} because gcd of their leading monoms is zero.

4972. Creating S-polynomial from the pair (p_{86}, p_{93}).

Forming S-pol of p_{86} and p_{93}: Polynomial too big for output (text size is 2001 characters, number of terms is 14)

S-pol added.

4973. Creating S-polynomial from the pair (p_{86}, p_{94}).

Skipping pair p_{86} and p_{94} because gcd of their leading monoms is zero.

4974. Creating S-polynomial from the pair (p_{86}, p_{95}).

Forming S-pol of p_{86} and p_{95}: Polynomial too big for output (text size is 1629 characters, number of terms is 16)

S-pol added.

4975. Creating S-polynomial from the pair (p_{86}, p_{96}).

Forming S-pol of p_{86} and p_{96}:

$$p_{1117} = (-16384u_5u_3^{18}u_1^{14} + 32768u_5u_3^{16}u_1^{15})x_8x_4 - 16384u_3^{17}u_1^{14}x_6x_5x_4+$$
$$(16384u_6u_3^{18}u_1^{14} - 32768u_6u_3^{16}u_1^{15})x_6x_4+$$
$$(32768u_3^{16}u_1^{15} - 16384u_3^{16}u_1^{14})x_5x_4^2x_2+$$
$$(-16384u_3^{18}u_1^{14} + 8192u_3^{18}u_1^{13})x_5x_4^2 - 8192u_5u_3^{17}u_1^{13}x_5x_4x_2+$$
$$8192u_5u_3^{19}u_1^{13}x_5x_4 + 16384u_6u_3^{17}u_1^{14}x_4^2x_2-$$
$$8192u_6u_3^{19}u_1^{13}x_4^2$$

S-pol added.

4976. Creating S-polynomial from the pair (p_{86}, p_{97}).

Forming S-pol of p_{86} and p_{97}:

$$p_{1118} = -262144u_3^{25}u_1^{18}x_6x_5x_4 + (1048576u_3^{22}u_1^{20} - 524288u_3^{22}u_1^{19})x_5x_4^2x_2+$$
$$(131072u_3^{26}u_1^{17} - 524288u_3^{24}u_1^{19})x_5x_4^2 - 131072u_5u_3^{25}u_1^{17}x_5x_4x_2+$$
$$262144u_5u_3^{25}u_1^{18}x_5x_4 + 524288u_6u_3^{23}u_1^{19}x_4^2x_2-$$
$$524288u_6u_3^{23}u_1^{19}x_4^2$$

S-pol added.

4977. Creating S-polynomial from the pair (p_{86}, p_{98}).

Forming S-pol of p_{86} and p_{98}: Polynomial too big for output (text size is 4928 characters, number of terms is 31)

S-pol added.

4978. Creating S-polynomial from the pair (p_{86}, p_{99}).

Forming S-pol of p_{86} and p_{99}: Polynomial too big for output (text size is 4926 characters, number of terms is 31)

S-pol added.

4979. Creating S-polynomial from the pair (p_{86}, p_{100}).

Forming S-pol of p_{86} and p_{100}: Polynomial too big for output (text size is 2107 characters, number of terms is 18)

S-pol added.

4980. Creating S-polynomial from the pair (p_{86}, p_{101}).

Forming S-pol of p_{86} and p_{101}:

$$\begin{gathered}
p_{1119} = (-16384u_5u_3^{14}u_2^4u_1^{14} + 32768u_5u_3^{12}u_2^4u_1^{15})x_{12}x_8- \\
8192u_3^{14}u_2^5u_1^{13}x_{12}x_6x_5+ \\
(32768u_3^{11}u_2^5u_1^{15} - 16384u_3^{11}u_2^5u_1^{14})x_{12}x_5x_4x_2+ \\
(-16384u_3^{13}u_2^5u_1^{14} + 8192u_3^{13}u_2^5u_1^{13})x_{12}x_5x_4- \\
4096u_5u_3^{14}u_2^5u_1^{12}x_{12}x_5x_2 + 8192u_5u_3^{14}u_2^5u_1^{13}x_{12}x_5+ \\
(4096u_6u_3^{14}u_2^5u_1^{12} + 16384u_6u_3^{12}u_2^5u_1^{14}- \\
8192u_6u_3^{12}u_2^5u_1^{13})x_{12}x_4x_2 - 8192u_6u_3^{14}u_2^5u_1^{13}x_{12}x_4+ \\
(8192u_3^{14}u_2^5u_1^{13} - 16384u_3^{12}u_2^5u_1^{14})x_{10}x_8x_5+ \\
(16384u_6u_3^{14}u_2^4u_1^{14} - 32768u_6u_3^{12}u_2^4u_1^{15})x_{10}x_8+ \\
(4096u_5u_3^{14}u_2^5u_1^{12} - 8192u_5u_3^{12}u_2^5u_1^{13})x_8x_5x_1+ \\
(-4096u_6u_3^{14}u_2^5u_1^{12} + 8192u_6u_3^{12}u_2^5u_1^{13})x_8x_4x_1
\end{gathered}$$

S-pol added.

4981. Creating S-polynomial from the pair (p_{86}, p_{102}).

Forming S-pol of p_{86} and p_{102}: Polynomial too big for output (text size is 1467 characters, number of terms is 14)

S-pol added.

4982. Creating S-polynomial from the pair (p_{86}, p_{103}).

Skipping pair p_{86} and p_{103} because gcd of their leading monoms is zero.

4983. Creating S-polynomial from the pair (p_{86}, p_{104}).

Forming S-pol of p_{86} and p_{104}: Polynomial too big for output (text size is 2107 characters, number of terms is 18)

S-pol added.

4984. Creating S-polynomial from the pair (p_{86}, p_{105}).

Forming S-pol of p_{86} and p_{105}:

$$p_{1120} = (-16384u_5u_4^4u_3^{14}u_1^{14} + 32768u_5u_4^4u_3^{12}u_1^{15})x_{16}x_8-$$
$$8192u_4^5u_3^{14}u_1^{13}x_{16}x_6x_5+$$
$$(32768u_4^5u_3^{11}u_1^{15} - 16384u_4^5u_3^{11}u_1^{14})x_{16}x_5x_4x_2+$$
$$(-16384u_4^5u_3^{13}u_1^{14} + 8192u_4^5u_3^{13}u_1^{13})x_{16}x_5x_4-$$
$$4096u_5u_4^5u_3^{14}u_1^{12}x_{16}x_5x_2 + 8192u_5u_4^5u_3^{14}u_1^{13}x_{16}x_5+$$
$$(4096u_6u_4^5u_3^{14}u_1^{12} + 16384u_6u_4^5u_3^{12}u_1^{14}-$$
$$8192u_6u_4^5u_3^{12}u_1^{13})x_{16}x_4x_2 - 8192u_6u_4^5u_3^{14}u_1^{13}x_{16}x_4+$$
$$(8192u_4^5u_3^{14}u_1^{13} - 16384u_4^5u_3^{12}u_1^{14})x_{14}x_8x_5+$$
$$(16384u_6u_4^4u_3^{14}u_1^{14} - 32768u_6u_4^4u_3^{12}u_1^{15})x_{14}x_8+$$
$$(4096u_5u_4^5u_3^{14}u_1^{12} - 8192u_5u_4^5u_3^{12}u_1^{13})x_8x_5x_3+$$
$$(-4096u_6u_4^5u_3^{14}u_1^{12} + 8192u_6u_4^5u_3^{12}u_1^{13})x_8x_4x_3$$

S-pol added.

4985. Creating S-polynomial from the pair (p_{86}, p_{106}).

Forming S-pol of p_{86} and p_{106}: Polynomial too big for output (text size is 1467 characters, number of terms is 14)

S-pol added.

4986. Creating S-polynomial from the pair (p_{87}, p_{88}).

Skipping pair p_{87} and p_{88} because gcd of their leading monoms is zero.

4987. Creating S-polynomial from the pair (p_{87}, p_{89}).

Skipping pair p_{87} and p_{89} because gcd of their leading monoms is zero.

4988. Creating S-polynomial from the pair (p_{87}, p_{90}).

Skipping pair p_{87} and p_{90} because gcd of their leading monoms is zero.

4989. Creating S-polynomial from the pair (p_{87}, p_{91}).

Skipping pair p_{87} and p_{91} because gcd of their leading monoms is zero.

4990. Creating S-polynomial from the pair (p_{87}, p_{92}).

Skipping pair p_{87} and p_{92} because gcd of their leading monoms is zero.

4991. Creating S-polynomial from the pair (p_{87}, p_{93}).

Skipping pair p_{87} and p_{93} because gcd of their leading monoms is zero.

4992. Creating S-polynomial from the pair (p_{87}, p_{94}).

Skipping pair p_{87} and p_{94} because gcd of their leading monoms is zero.

4993. Creating S-polynomial from the pair (p_{87}, p_{95}).

Forming S-pol of p_{87} and p_{95}:

$$p_{1121} = 2097152u_5u_3^{23}u_1^{21}x_8x_6 + (4194304u_5u_3^{22}u_1^{22} + 4194304u_3^{23}u_1^{22})x_8x_4 +$$
$$(524288u_5^2u_3^{25}u_1^{19} - 2097152u_5^2u_3^{23}u_1^{21})x_8 - 2097152u_6u_3^{23}u_1^{21}x_6^2 -$$
$$2097152u_3^{23}u_1^{21}x_6x_5x_4 - 1048576u_5u_3^{24}u_1^{20}x_6x_5 +$$
$$2097152u_6u_3^{22}u_1^{21}x_6x_4x_2 - 4194304u_6u_3^{22}u_1^{22}x_6x_4 -$$
$$524288u_6u_5u_3^{25}u_1^{19}x_6 - 1048576u_5u_3^{23}u_1^{20}x_5x_4x_2 -$$
$$262144u_5^2u_3^{26}u_1^{18}x_5 - 524288u_6u_5u_3^{24}u_1^{19}x_4x_2 +$$
$$(262144u_6u_5u_3^{26}u_1^{18} + 1048576u_6u_3^{25}u_1^{20})x_4 - 524288u_6u_5^2u_3^{25}u_1^{19}$$

Reduced to zero.

4994. Creating S-polynomial from the pair (p_{87}, p_{96}).

Forming S-pol of p_{87} and p_{96}:

$$p_{1122} = 256u_5u_3^{10}u_1^8x_8 - 128u_3^{11}u_1^7x_6x_5 - 256u_6u_3^{10}u_1^8x_6 +$$
$$64u_3^{12}u_1^6x_5x_4 - 64u_5u_3^{11}u_1^6x_5x_2 + 128u_6u_3^{11}u_1^7x_4$$

Reduced to zero.

4995. Creating S-polynomial from the pair (p_{87}, p_{97}).

Forming S-pol of p_{87} and p_{97}:

$$p_{1123} = -2048u_3^{19}u_1^{11}x_6x_5 + (8192u_3^{16}u_1^{13} - 4096u_3^{16}u_1^{12})x_5x_4x_2 +$$
$$(1024u_3^{20}u_1^{10} - 4096u_3^{18}u_1^{12})x_5x_4 - 1024u_5u_3^{19}u_1^{10}x_5x_2 +$$
$$2048u_5u_3^{19}u_1^{11}x_5 + 4096u_6u_3^{17}u_1^{12}x_4x_2 - 4096u_6u_3^{17}u_1^{12}x_4$$

S-pol added.

4996. Creating S-polynomial from the pair (p_{87}, p_{98}).

Forming S-pol of p_{87} and p_{98}: Polynomial too big for output (text size is 2104 characters, number of terms is 27)

Reduced to zero.

4997. Creating S-polynomial from the pair (p_{87}, p_{99}).

Forming S-pol of p_{87} and p_{99}: Polynomial too big for output (text size is 2105 characters, number of terms is 27)

Reduced to zero.

4998. Creating S-polynomial from the pair (p_{87}, p_{100}).

Skipping pair p_{87} and p_{100} because gcd of their leading monoms is zero.

4999. Creating S-polynomial from the pair (p_{87}, p_{101}).

Skipping pair p_{87} and p_{101} because gcd of their leading monoms is zero.

5000. Creating S-polynomial from the pair (p_{87}, p_{102}).
Skipping pair p_{87} and p_{102} because gcd of their leading monoms is zero.

5001. Creating S-polynomial from the pair (p_{87}, p_{103}).
Skipping pair p_{87} and p_{103} because gcd of their leading monoms is zero.

5002. Creating S-polynomial from the pair (p_{87}, p_{104}).
Skipping pair p_{87} and p_{104} because gcd of their leading monoms is zero.

5003. Creating S-polynomial from the pair (p_{87}, p_{105}).
Skipping pair p_{87} and p_{105} because gcd of their leading monoms is zero.

5004. Creating S-polynomial from the pair (p_{87}, p_{106}).
Skipping pair p_{87} and p_{106} because gcd of their leading monoms is zero.

5005. Creating S-polynomial from the pair (p_{88}, p_{89}).
Skipping pair p_{88} and p_{89} because gcd of their leading monoms is zero.

5006. Creating S-polynomial from the pair (p_{88}, p_{90}).
Forming S-pol of p_{88} and p_{90}:

$$p_{1124} = 134217728u_5^2u_4^{29}u_1^{27}x_{16}x_4 + 67108864u_5^3u_4^{30}u_1^{26}x_{16} -$$
$$134217728u_6u_5u_4^{29}u_1^{27}x_{14}x_4 - 67108864u_6u_5^2u_4^{30}u_1^{26}x_{14} -$$
$$67108864u_5^2u_4^{30}u_1^{26}x_5x_4 - 33554432u_5^3u_4^{31}u_1^{25}x_5 +$$
$$(33554432u_6u_5^2u_4^{31}u_1^{25} + 134217728u_6u_5u_4^{30}u_1^{27})x_4 -$$
$$67108864u_6u_5^3u_4^{30}u_1^{26}$$

Reduced to zero.

5007. Creating S-polynomial from the pair (p_{88}, p_{91}).
Forming S-pol of p_{88} and p_{91}:

$$p_{1125} = 32768u_5^2u_4^{18}u_1^{15}x_{16} + 131072u_6u_4^{16}u_1^{17}x_{14}^2 -$$
$$65536u_6u_4^{17}u_1^{16}x_{14}x_4 - 131072u_6u_5u_4^{16}u_1^{17}x_{14} -$$
$$16384u_5^2u_4^{19}u_1^{14}x_5 + 32768u_6u_5u_4^{17}u_1^{15}x_4x_3 +$$
$$16384u_6u_5^2u_4^{18}u_1^{14}x_3$$

Reduced to zero.

5008. Creating S-polynomial from the pair (p_{88}, p_{92}).
Forming S-pol of p_{88} and p_{92}:

$$p_{1126} = -65536u_5u_4^{17}u_1^{16}x_{16}x_4 - 131072u_5^2u_4^{16}u_1^{17}x_{16} +$$
$$131072u_6u_4^{16}u_1^{17}x_{14}^2 + 65536u_5u_4^{17}u_1^{16}x_{14}x_5 -$$
$$65536u_6u_4^{17}u_1^{16}x_{14}x_4 + 32768u_6u_5u_4^{18}u_1^{15}x_{14} +$$
$$32768u_5^2u_4^{17}u_1^{15}x_5x_3 - 16384u_6u_5u_4^{19}u_1^{14}x_4 +$$
$$16384u_6u_5^2u_4^{18}u_1^{14}x_3$$

Reduced to zero.

5009. Creating S-polynomial from the pair (p_{88}, p_{93}).

Forming S-pol of p_{88} and p_{93}:

$$p_{1127} = 262144u_5u_4^{24}u_1^{18}x_{14}x_5+(-262144u_6u_4^{24}u_1^{18}+524288u_6u_4^{22}u_1^{19})x_{14}x_4+$$
$$(-1048576u_5u_4^{21}u_1^{20} + 524288u_5u_4^{21}u_1^{19})x_5x_4x_3+$$
$$(-131072u_5u_4^{25}u_1^{17} + 524288u_5u_4^{23}u_1^{19})x_5x_4+$$
$$131072u_5^2u_4^{24}u_1^{17}x_5x_3 - 262144u_5^2u_4^{24}u_1^{18}x_5+$$
$$(131072u_6u_4^{25}u_1^{17} - 262144u_6u_4^{23}u_1^{18})x_4^2+$$
$$(-131072u_6u_5u_4^{24}u_1^{17} - 524288u_6u_5u_4^{22}u_1^{19}+$$
$$262144u_6u_5u_4^{22}u_1^{18})x_4x_3 + 262144u_6u_5u_4^{24}u_1^{18}x_4$$

S-pol added.

5010. Creating S-polynomial from the pair (p_{88}, p_{94}).

Forming S-pol of p_{88} and p_{94}:

$$p_{1128} = 4096u_6u_4^{16}u_1^{12}x_{14} - 2048u_6u_4^{17}u_1^{11}x_4 + 2048u_6u_5u_4^{16}u_1^{11}x_3-$$
$$4096u_6u_5u_4^{16}u_1^{12}$$

Reduced to zero.

5011. Creating S-polynomial from the pair (p_{88}, p_{95}).

Skipping pair p_{88} and p_{95} because gcd of their leading monoms is zero.

5012. Creating S-polynomial from the pair (p_{88}, p_{96}).

Skipping pair p_{88} and p_{96} because gcd of their leading monoms is zero.

5013. Creating S-polynomial from the pair (p_{88}, p_{97}).

Skipping pair p_{88} and p_{97} because gcd of their leading monoms is zero.

5014. Creating S-polynomial from the pair (p_{88}, p_{98}).

Skipping pair p_{88} and p_{98} because gcd of their leading monoms is zero.

5015. Creating S-polynomial from the pair (p_{88}, p_{99}).

Forming S-pol of p_{88} and p_{99}: Polynomial too big for output (text size is 2177 characters, number of terms is 26)

Reduced to zero.

5016. Creating S-polynomial from the pair (p_{88}, p_{100}).

Skipping pair p_{88} and p_{100} because gcd of their leading monoms is zero.

5017. Creating S-polynomial from the pair (p_{88}, p_{101}).

Skipping pair p_{88} and p_{101} because gcd of their leading monoms is zero.

5018. Creating S-polynomial from the pair (p_{88}, p_{102}).

Skipping pair p_{88} and p_{102} because gcd of their leading monoms is zero.

5019. Creating S-polynomial from the pair (p_{88}, p_{103}).

Forming S-pol of p_{88} and p_{103}: Polynomial too big for output (text size is 2185 characters, number of terms is 26)

Reduced to zero.

5020. Creating S-polynomial from the pair (p_{88}, p_{104}).

Forming S-pol of p_{88} and p_{104}:

$$p_{1129} = -134217728u_5^2u_4^{27}u_1^{27}x_{16}x_{14}+$$
$$(-268435456u_5^2u_4^{26}u_1^{28} - 268435456u_5u_4^{27}u_1^{28})x_{16}x_4+$$
$$(-33554432u_5^3u_4^{29}u_1^{25} + 134217728u_5^3u_4^{27}u_1^{27})x_{16}+$$
$$268435456u_6u_4^{26}u_1^{28}x_{14}^2x_4 + 134217728u_6u_5u_4^{27}u_1^{27}x_{14}^2+$$
$$134217728u_5u_4^{27}u_1^{27}x_{14}x_5x_4 + 67108864u_5^2u_4^{28}u_1^{26}x_{14}x_5-$$
$$134217728u_6u_4^{27}u_1^{27}x_{14}x_4^2 + 33554432u_6u_5^2u_4^{29}u_1^{25}x_{14}+$$
$$67108864u_5^2u_4^{27}u_1^{26}x_5x_4x_3 + 16777216u_5^3u_4^{30}u_1^{24}x_5+$$
$$33554432u_6u_5^2u_4^{28}u_1^{25}x_4x_3+$$
$$(-16777216u_6u_5^2u_4^{30}u_1^{24} - 67108864u_6u_5u_4^{29}u_1^{26})x_4+$$
$$33554432u_6u_5^3u_4^{29}u_1^{25}$$

Reduced to zero.

5021. Creating S-polynomial from the pair (p_{88}, p_{105}).

Forming S-pol of p_{88} and p_{105}:

$$p_{1130} = -16384u_5^2u_4^{14}u_1^{14}x_{16} + 8192u_5u_4^{15}u_1^{13}x_{14}x_5-$$
$$8192u_6u_4^{15}u_1^{13}x_{14}x_4 + 16384u_6u_5u_4^{14}u_1^{14}x_{14}-$$
$$4096u_5u_4^{16}u_1^{12}x_5x_4 + 4096u_5^2u_4^{15}u_1^{12}x_5x_3+$$
$$4096u_6u_4^{16}u_1^{12}x_4^2 - 4096u_6u_5u_4^{15}u_1^{12}x_4x_3$$

Reduced to zero.

5022. Creating S-polynomial from the pair (p_{88}, p_{106}).

Forming S-pol of p_{88} and p_{106}:

$$p_{1131} = 131072u_5u_4^{23}u_1^{17}x_{14}x_5 - 131072u_6u_4^{23}u_1^{17}x_{14}x_4+$$
$$(-524288u_5u_4^{20}u_1^{19} + 262144u_5u_4^{20}u_1^{18})x_5x_4x_3+$$
$$(-65536u_5u_4^{24}u_1^{16} + 262144u_5u_4^{22}u_1^{18})x_5x_4 + 65536u_5^2u_4^{23}u_1^{16}x_5x_3-$$
$$131072u_5^2u_4^{23}u_1^{17}x_5 + 65536u_6u_4^{24}u_1^{16}x_4^2+$$
$$(-65536u_6u_5u_4^{23}u_1^{16} - 262144u_6u_5u_4^{21}u_1^{18})x_4x_3+$$
$$(131072u_6u_5u_4^{23}u_1^{17} + 262144u_6u_5u_4^{21}u_1^{18})x_4$$

S-pol added.

5023. Creating S-polynomial from the pair (p_{89}, p_{90}).

Forming S-pol of p_{89} and p_{90}:

$$p_{1132} = -4194304u_5u_4^{25}u_1^{21}x_{16}x_4 + 2097152u_5^2u_4^{24}u_1^{21}x_{16}x_3+$$
$$(-1048576u_5^2u_4^{26}u_1^{20} - 4194304u_5^2u_4^{24}u_1^{22})x_{16}+$$
$$4194304u_6u_4^{24}u_1^{22}x_{14}^2 + 2097152u_5u_4^{25}u_1^{21}x_{14}x_5+$$
$$1048576u_6u_5u_4^{26}u_1^{20}x_{14} + 1048576u_5u_4^{26}u_1^{20}x_5x_4+$$
$$524288u_5^2u_4^{27}u_1^{19}x_5+$$
$$(-524288u_6u_5u_4^{27}u_1^{19} - 2097152u_6u_4^{26}u_1^{21})x_4 + 1048576u_6u_5^2u_4^{26}u_1^{20}$$

Reduced to zero.

5024. Creating S-polynomial from the pair (p_{89}, p_{91}).

Forming S-pol of p_{89} and p_{91}:

$$p_{1133} = -1024u_4^{13}u_1^{10}x_{16}x_4 + 1024u_5u_4^{12}u_1^{10}x_{16}x_3+$$
$$(-512u_5u_4^{14}u_1^9 - 2048u_5u_4^{12}u_1^{11})x_{16} + 1024u_4^{13}u_1^{10}x_{14}x_5+$$
$$2048u_6u_4^{12}u_1^{11}x_{14} + 256u_5u_4^{15}u_1^8x_5 - 512u_6u_4^{13}u_1^9x_4x_3-$$
$$256u_6u_5u_4^{14}u_1^8x_3$$

Reduced to zero.

5025. Creating S-polynomial from the pair (p_{89}, p_{92}).

Forming S-pol of p_{89} and p_{92}:

$$p_{1134} = 1024u_5u_4^{12}u_1^{10}x_{16}x_3 - 512u_6u_4^{14}u_1^9x_{14} - 512u_5u_4^{13}u_1^9x_5x_3+$$
$$256u_6u_4^{15}u_1^8x_4 - 256u_6u_5u_4^{14}u_1^8x_3$$

Reduced to zero.

5026. Creating S-polynomial from the pair (p_{89}, p_{93}).

Skipping pair p_{89} and p_{93} because gcd of their leading monoms is zero.

5027. Creating S-polynomial from the pair (p_{89}, p_{94}).

Skipping pair p_{89} and p_{94} because gcd of their leading monoms is zero.

5028. Creating S-polynomial from the pair (p_{89}, p_{95}).

Skipping pair p_{89} and p_{95} because gcd of their leading monoms is zero.

5029. Creating S-polynomial from the pair (p_{89}, p_{96}).

Skipping pair p_{89} and p_{96} because gcd of their leading monoms is zero.

5030. Creating S-polynomial from the pair (p_{89}, p_{97}).

Skipping pair p_{89} and p_{97} because gcd of their leading monoms is zero.

5031. Creating S-polynomial from the pair (p_{89}, p_{98}).

Skipping pair p_{89} and p_{98} because gcd of their leading monoms is zero.

5032. Creating S-polynomial from the pair (p_{89}, p_{99}).
Skipping pair p_{89} and p_{99} because gcd of their leading monoms is zero.

5033. Creating S-polynomial from the pair (p_{89}, p_{100}).
Skipping pair p_{89} and p_{100} because gcd of their leading monoms is zero.

5034. Creating S-polynomial from the pair (p_{89}, p_{101}).
Skipping pair p_{89} and p_{101} because gcd of their leading monoms is zero.

5035. Creating S-polynomial from the pair (p_{89}, p_{102}).
Skipping pair p_{89} and p_{102} because gcd of their leading monoms is zero.

5036. Creating S-polynomial from the pair (p_{89}, p_{103}).
Skipping pair p_{89} and p_{103} because gcd of their leading monoms is zero.

5037. Creating S-polynomial from the pair (p_{89}, p_{104}).
Forming S-pol of p_{89} and p_{104}:

$$p_{1135} = 2097152u_5u_4^{23}u_1^{21}x_{16}x_{14} - 2097152u_4^{23}u_1^{21}x_{16}x_4^2+$$
$$2097152u_5u_4^{22}u_1^{21}x_{16}x_4x_3 + 4194304u_4^{23}u_1^{22}x_{16}x_4+$$
$$(524288u_5^2u_4^{25}u_1^{19} - 2097152u_5^2u_4^{23}u_1^{21})x_{16}-$$
$$2097152u_6u_4^{23}u_1^{21}x_{14}^2 - 1048576u_5u_4^{24}u_1^{20}x_{14}x_5-$$
$$524288u_6u_5u_4^{25}u_1^{19}x_{14} - 1048576u_5u_4^{23}u_1^{20}x_5x_4x_3-$$
$$262144u_5^2u_4^{26}u_1^{18}x_5 - 524288u_6u_5u_4^{24}u_1^{19}x_4x_3+$$
$$(262144u_6u_5u_4^{26}u_1^{18} + 1048576u_6u_4^{25}u_1^{20})x_4 - 524288u_6u_5^2u_4^{25}u_1^{19}$$

Reduced to zero.

5038. Creating S-polynomial from the pair (p_{89}, p_{105}).
Skipping pair p_{89} and p_{105} because gcd of their leading monoms is zero.

5039. Creating S-polynomial from the pair (p_{89}, p_{106}).
Skipping pair p_{89} and p_{106} because gcd of their leading monoms is zero.

5040. Creating S-polynomial from the pair (p_{90}, p_{91}).
Forming S-pol of p_{90} and p_{91}:

$$p_{1136} = 67108864u_5u_4^{25}u_1^{26}x_{16}x_{14}x_4 - 134217728u_6u_4^{24}u_1^{27}x_{14}^3+$$
$$(-33554432u_6u_5u_4^{26}u_1^{25} + 134217728u_6u_5u_4^{24}u_1^{27})x_{14}^2-$$
$$33554432u_5u_4^{26}u_1^{25}x_{14}x_5x_4 - 33554432u_6u_5u_4^{25}u_1^{25}x_{14}x_4x_3+$$
$$(16777216u_6u_5u_4^{27}u_1^{24} + 67108864u_6u_4^{26}u_1^{26})x_{14}x_4-$$
$$16777216u_6u_5^2u_4^{26}u_1^{24}x_{14}x_3 - 33554432u_6u_5^2u_4^{26}u_1^{25}x_{14}$$

Reduced to zero.

5041. Creating S-polynomial from the pair (p_{90}, p_{92}).

Forming S-pol of p_{90} and p_{92}:

$$p_{1137} = 134217728u_5u_4^{25}u_1^{26}x_{16}x_{14}x_4+$$
$$(33554432u_5^2u_4^{26}u_1^{25} + 134217728u_5^2u_4^{24}u_1^{27})x_{16}x_{14}-$$
$$134217728u_6u_4^{24}u_1^{27}x_{14}^3 - 67108864u_5u_4^{25}u_1^{26}x_{14}^2x_5-$$
$$67108864u_6u_5u_4^{26}u_1^{25}x_{14}^2 - 33554432u_5u_4^{26}u_1^{25}x_{14}x_5x_4-$$
$$33554432u_5^2u_4^{25}u_1^{25}x_{14}x_5x_3 - 16777216u_5^2u_4^{27}u_1^{24}x_{14}x_5+$$
$$(33554432u_6u_5u_4^{27}u_1^{24} + 67108864u_6u_4^{26}u_1^{26})x_{14}x_4-$$
$$16777216u_6u_5^2u_4^{26}u_1^{24}x_{14}x_3 - 33554432u_6u_5^2u_4^{26}u_1^{25}x_{14}$$

Reduced to zero.

5042. Creating S-polynomial from the pair (p_{90}, p_{93}).

Forming S-pol of p_{90} and p_{93}: Polynomial too big for output (text size is 1300 characters, number of terms is 14)

S-pol added.

5043. Creating S-polynomial from the pair (p_{90}, p_{94}).

Forming S-pol of p_{90} and p_{94}:

$$p_{1138} = 2097152u_5u_4^{25}u_1^{21}x_{16}x_4 + 1048576u_5^2u_4^{26}u_1^{20}x_{16}-$$
$$4194304u_6u_4^{24}u_1^{22}x_{14}^2 - 2097152u_6u_5u_4^{24}u_1^{21}x_{14}x_3+$$
$$(-1048576u_6u_5u_4^{26}u_1^{20} + 4194304u_6u_5u_4^{24}u_1^{22})x_{14}-$$
$$1048576u_5u_4^{26}u_1^{20}x_5x_4 - 524288u_5^2u_4^{27}u_1^{19}x_5+$$
$$(524288u_6u_5u_4^{27}u_1^{19} + 2097152u_6u_4^{26}u_1^{21})x_4 - 1048576u_6u_5^2u_4^{26}u_1^{20}$$

Reduced to zero.

5044. Creating S-polynomial from the pair (p_{90}, p_{95}).

Skipping pair p_{90} and p_{95} because gcd of their leading monoms is zero.

5045. Creating S-polynomial from the pair (p_{90}, p_{96}).

Skipping pair p_{90} and p_{96} because gcd of their leading monoms is zero.

5046. Creating S-polynomial from the pair (p_{90}, p_{97}).

Skipping pair p_{90} and p_{97} because gcd of their leading monoms is zero.

5047. Creating S-polynomial from the pair (p_{90}, p_{98}).

Skipping pair p_{90} and p_{98} because gcd of their leading monoms is zero.

5048. Creating S-polynomial from the pair (p_{90}, p_{99}).

Forming S-pol of p_{90} and p_{99}: Polynomial too big for output (text size is 3493 characters, number of terms is 33)

Reduced to zero.

5049. Creating S-polynomial from the pair (p_{90}, p_{100}).

Skipping pair p_{90} and p_{100} because gcd of their leading monoms is zero.

5050. Creating S-polynomial from the pair (p_{90}, p_{101}).

Skipping pair p_{90} and p_{101} because gcd of their leading monoms is zero.

5051. Creating S-polynomial from the pair (p_{90}, p_{102}).

Skipping pair p_{90} and p_{102} because gcd of their leading monoms is zero.

5052. Creating S-polynomial from the pair (p_{90}, p_{103}).

Forming S-pol of p_{90} and p_{103}: Polynomial too big for output (text size is 3508 characters, number of terms is 33)

Reduced to zero.

5053. Creating S-polynomial from the pair (p_{90}, p_{104}).

Forming S-pol of p_{90} and p_{104}: Polynomial too big for output (text size is 1273 characters, number of terms is 18)

Reduced to zero.

5054. Creating S-polynomial from the pair (p_{90}, p_{105}).

Forming S-pol of p_{90} and p_{105}:

$$p_{1139} = 16777216u_5^2u_4^{22}u_1^{24}x_{16}x_{14} - 4194304u_5u_4^{24}u_1^{22}x_{16}x_4^2-$$
$$2097152u_5^2u_4^{25}u_1^{21}x_{16}x_4 - 8388608u_5u_4^{23}u_1^{23}x_{14}^2x_5+$$
$$8388608u_6u_4^{23}u_1^{23}x_{14}^2x_4 - 16777216u_6u_5u_4^{22}u_1^{24}x_{14}^2+$$
$$4194304u_5u_4^{24}u_1^{22}x_{14}x_5x_4 - 4194304u_5^2u_4^{23}u_1^{22}x_{14}x_5x_3+$$
$$4194304u_6u_5u_4^{23}u_1^{22}x_{14}x_4x_3 + 2097152u_6u_5u_4^{25}u_1^{21}x_{14}x_4+$$
$$2097152u_5u_4^{25}u_1^{21}x_5x_4^2 + 1048576u_5^2u_4^{26}u_1^{20}x_5x_4+$$
$$(-1048576u_6u_5u_4^{26}u_1^{20} - 4194304u_6u_4^{25}u_1^{22})x_4^2+$$
$$2097152u_6u_5^2u_4^{25}u_1^{21}x_4$$

Reduced to zero.

5055. Creating S-polynomial from the pair (p_{90}, p_{106}).

Forming S-pol of p_{90} and p_{106}:

$$p_{1140} = -67108864u_5u_4^{32}u_1^{26}x_{16}x_4^2 - 33554432u_5^2u_4^{33}u_1^{25}x_{16}x_4-$$
$$134217728u_5u_4^{31}u_1^{27}x_{14}^2x_5 + 134217728u_6u_4^{31}u_1^{27}x_{14}^2x_4+$$
$$(536870912u_5u_4^{28}u_1^{29} - 268435456u_5u_4^{28}u_1^{28})x_{14}x_5x_4x_3+$$
$$(67108864u_5u_4^{32}u_1^{26} - 268435456u_5u_4^{30}u_1^{28})x_{14}x_5x_4-$$
$$67108864u_5^2u_4^{31}u_1^{26}x_{14}x_5x_3 + 134217728u_5^2u_4^{31}u_1^{27}x_{14}x_5+$$
$$(67108864u_6u_5u_4^{31}u_1^{26} + 268435456u_6u_5u_4^{29}u_1^{28})x_{14}x_4x_3+$$
$$(33554432u_6u_5u_4^{33}u_1^{25} - 134217728u_6u_5u_4^{31}u_1^{27}-$$

$$268435456u_6u_5u_4^{29}u_1^{28})x_{14}x_4 + 33554432u_5u_4^{33}u_1^{25}x_5x_4^2+$$
$$16777216u_5^2u_4^{34}u_1^{24}x_5x_4+$$
$$(-16777216u_6u_5u_4^{34}u_1^{24} - 67108864u_6u_4^{33}u_1^{26})x_4^2+$$
$$33554432u_6u_5^2u_4^{33}u_1^{25}x_4$$

S-pol added.

5056. Creating S-polynomial from the pair (p_{91}, p_{92}).

Forming S-pol of p_{91} and p_{92}:

$$p_{1141} = 32768u_4^{13}u_1^{15}x_{16}x_{14}x_4+$$
$$(16384u_5u_4^{14}u_1^{14} + 65536u_5u_4^{12}u_1^{16})x_{16}x_{14} - 32768u_4^{13}u_1^{15}x_{14}^2x_5+$$
$$(-16384u_6u_4^{14}u_1^{14} - 65536u_6u_4^{12}u_1^{16})x_{14}^2 - 16384u_5u_4^{13}u_1^{14}x_{14}x_5x_3-$$
$$8192u_5u_4^{15}u_1^{13}x_{14}x_5 + 16384u_6u_4^{13}u_1^{14}x_{14}x_4x_3+$$
$$8192u_6u_4^{15}u_1^{13}x_{14}x_4$$

Reduced to zero.

5057. Creating S-polynomial from the pair (p_{91}, p_{93}).

Forming S-pol of p_{91} and p_{93}:

$$p_{1142} = (-32768u_5u_4^{22}u_1^{15} + 65536u_5u_4^{20}u_1^{16})x_{16}x_4 - 131072u_4^{20}u_1^{17}x_{14}^2x_5+$$
$$(524288u_4^{17}u_1^{19} - 262144u_4^{17}u_1^{18})x_{14}x_5x_4x_3+$$
$$(65536u_4^{21}u_1^{16} - 262144u_4^{19}u_1^{18})x_{14}x_5x_4 - 65536u_5u_4^{20}u_1^{16}x_{14}x_5x_3+$$
$$131072u_5u_4^{20}u_1^{17}x_{14}x_5+$$
$$(65536u_6u_4^{20}u_1^{16} + 262144u_6u_4^{18}u_1^{18} - 131072u_6u_4^{18}u_1^{17})x_{14}x_4x_3-$$
$$262144u_6u_4^{18}u_1^{18}x_{14}x_4 + (16384u_5u_4^{23}u_1^{14} - 32768u_5u_4^{21}u_1^{15})x_5x_4+$$
$$(-32768u_6u_4^{21}u_1^{15} + 65536u_6u_4^{19}u_1^{16})x_4^2x_3+$$
$$(-16384u_6u_5u_4^{22}u_1^{14} + 32768u_6u_5u_4^{20}u_1^{15})x_4x_3$$

S-pol added.

5058. Creating S-polynomial from the pair (p_{91}, p_{94}).

Forming S-pol of p_{91} and p_{94}:

$$p_{1143} = 512u_5u_4^{14}u_1^9x_{16} - 1024u_6u_4^{12}u_1^{10}x_{14}x_3 - 256u_5u_4^{15}u_1^8x_5+$$
$$512u_6u_4^{13}u_1^9x_4x_3 + 256u_6u_5u_4^{14}u_1^8x_3$$

Reduced to zero.

5059. Creating S-polynomial from the pair (p_{91}, p_{95}).

Skipping pair p_{91} and p_{95} because gcd of their leading monoms is zero.

5060. Creating S-polynomial from the pair (p_{91}, p_{96}).

Skipping pair p_{91} and p_{96} because gcd of their leading monoms is zero.

5061. Creating S-polynomial from the pair (p_{91}, p_{97}).

Skipping pair p_{91} and p_{97} because gcd of their leading monoms is zero.

5062. Creating S-polynomial from the pair (p_{91}, p_{98}).

Skipping pair p_{91} and p_{98} because gcd of their leading monoms is zero.

5063. Creating S-polynomial from the pair (p_{91}, p_{99}).

Forming S-pol of p_{91} and p_{99}: Polynomial too big for output (text size is 2818 characters, number of terms is 31)

Reduced to zero.

5064. Creating S-polynomial from the pair (p_{91}, p_{100}).

Skipping pair p_{91} and p_{100} because gcd of their leading monoms is zero.

5065. Creating S-polynomial from the pair (p_{91}, p_{101}).

Skipping pair p_{91} and p_{101} because gcd of their leading monoms is zero.

5066. Creating S-polynomial from the pair (p_{91}, p_{102}).

Skipping pair p_{91} and p_{102} because gcd of their leading monoms is zero.

5067. Creating S-polynomial from the pair (p_{91}, p_{103}).

Forming S-pol of p_{91} and p_{103}: Polynomial too big for output (text size is 2831 characters, number of terms is 31)

Reduced to zero.

5068. Creating S-polynomial from the pair (p_{91}, p_{104}).

Forming S-pol of p_{91} and p_{104}:

$$p_{1144} = 67108864u_5u_4^{23}u_1^{26}x_{16}x_{14}^2+$$
$$(33554432u_5u_4^{24}u_1^{25} + 134217728u_5u_4^{22}u_1^{27} + 134217728u_4^{23}u_1^{27})x_{16}x_{14}x_4+$$
$$(16777216u_5^2u_4^{25}u_1^{24} - 67108864u_5^2u_4^{23}u_1^{26})x_{16}x_{14}-$$
$$67108864u_6u_4^{23}u_1^{26}x_{14}^3 - 67108864u_4^{23}u_1^{26}x_{14}^2x_5x_4-$$
$$33554432u_5u_4^{24}u_1^{25}x_{14}^2x_5 - 134217728u_6u_4^{22}u_1^{27}x_{14}^2x_4-$$
$$16777216u_6u_5u_4^{25}u_1^{24}x_{14}^2 - 33554432u_5u_4^{23}u_1^{25}x_{14}x_5x_4x_3-$$
$$16777216u_5u_4^{25}u_1^{24}x_{14}x_5x_4 - 8388608u_5^2u_4^{26}u_1^{23}x_{14}x_5+$$
$$33554432u_6u_4^{23}u_1^{25}x_{14}x_4^2x_3+$$
$$(8388608u_6u_5u_4^{26}u_1^{23} + 33554432u_6u_4^{25}u_1^{25})x_{14}x_4-$$
$$16777216u_6u_5^2u_4^{25}u_1^{24}x_{14}$$

Reduced to zero.

5069. Creating S-polynomial from the pair (p_{91}, p_{105}).

Forming S-pol of p_{91} and p_{105}:

$$p_{1145} = 8192u_5u_4^{10}u_1^{13}x_{16}x_{14} - 1024u_5u_4^{13}u_1^{10}x_{16}x_4 -$$
$$4096u_4^{11}u_1^{12}x_{14}^2x_5 - 8192u_6u_4^{10}u_1^{13}x_{14}^2 + 2048u_4^{12}u_1^{11}x_{14}x_5x_4 -$$
$$2048u_5u_4^{11}u_1^{11}x_{14}x_5x_3 + 2048u_6u_4^{11}u_1^{11}x_{14}x_4x_3 +$$
$$4096u_6u_4^{11}u_1^{12}x_{14}x_4 + 512u_5u_4^{14}u_1^{9}x_5x_4 -$$
$$1024u_6u_4^{12}u_1^{10}x_4^2x_3 - 512u_6u_5u_4^{13}u_1^{9}x_4x_3$$

Reduced to zero.

5070. Creating S-polynomial from the pair (p_{91}, p_{106}).

Forming S-pol of p_{91} and p_{106}:

$$p_{1146} = -16384u_5u_4^{21}u_1^{14}x_{16}x_4 - 65536u_4^{19}u_1^{16}x_{14}^2x_5 +$$
$$(262144u_4^{16}u_1^{18} - 131072u_4^{16}u_1^{17})x_{14}x_5x_4x_3 +$$
$$(32768u_4^{20}u_1^{15} - 131072u_4^{18}u_1^{17})x_{14}x_5x_4 - 32768u_5u_4^{19}u_1^{15}x_{14}x_5x_3 +$$
$$65536u_5u_4^{19}u_1^{16}x_{14}x_5 +$$
$$(32768u_6u_4^{19}u_1^{15} + 131072u_6u_4^{17}u_1^{17})x_{14}x_4x_3 -$$
$$131072u_6u_4^{17}u_1^{17}x_{14}x_4 + 8192u_5u_4^{22}u_1^{13}x_5x_4 -$$
$$16384u_6u_4^{20}u_1^{14}x_4^2x_3 - 8192u_6u_5u_4^{21}u_1^{13}x_4x_3$$

S-pol added.

5071. Creating S-polynomial from the pair (p_{92}, p_{93}).

Forming S-pol of p_{92} and p_{93}:

$$p_{1147} = (65536u_4^{21}u_1^{16} - 131072u_4^{19}u_1^{17})x_{16}x_4^2 +$$
$$(131072u_5u_4^{20}u_1^{17} - 262144u_5u_4^{18}u_1^{18})x_{16}x_4 - 131072u_4^{20}u_1^{17}x_{14}^2x_5 +$$
$$(524288u_4^{17}u_1^{19} - 262144u_4^{17}u_1^{18})x_{14}x_5x_4x_3 +$$
$$(-262144u_4^{19}u_1^{18} + 131072u_4^{19}u_1^{17})x_{14}x_5x_4 - 65536u_5u_4^{20}u_1^{16}x_{14}x_5x_3 +$$
$$131072u_5u_4^{20}u_1^{17}x_{14}x_5 +$$
$$(65536u_6u_4^{20}u_1^{16} + 262144u_6u_4^{18}u_1^{18} - 131072u_6u_4^{18}u_1^{17})x_{14}x_4x_3 +$$
$$(-32768u_6u_4^{22}u_1^{15} - 131072u_6u_4^{20}u_1^{17} + 65536u_6u_4^{20}u_1^{16})x_{14}x_4 +$$
$$(-32768u_5u_4^{21}u_1^{15} + 65536u_5u_4^{19}u_1^{16})x_5x_4x_3 +$$
$$(16384u_6u_4^{23}u_1^{14} - 32768u_6u_4^{21}u_1^{15})x_4^2 +$$
$$(-16384u_6u_5u_4^{22}u_1^{14} + 32768u_6u_5u_4^{20}u_1^{15})x_4x_3$$

S-pol added.

5072. Creating S-polynomial from the pair (p_{92}, p_{94}).

Forming S-pol of p_{92} and p_{94}:

$$p_{1148} = -1024u_4^{13}u_1^{10}x_{16}x_4 - 2048u_5u_4^{12}u_1^{11}x_{16} + 1024u_4^{13}u_1^{10}x_{14}x_5 -$$
$$1024u_6u_4^{12}u_1^{10}x_{14}x_3 +$$
$$(512u_6u_4^{14}u_1^9 + 2048u_6u_4^{12}u_1^{11})x_{14} + 512u_5u_4^{13}u_1^9x_5x_3 -$$
$$256u_6u_4^{15}u_1^8x_4 + 256u_6u_5u_4^{14}u_1^8x_3$$

Reduced to zero.

5073. Creating S-polynomial from the pair (p_{92}, p_{95}).

Skipping pair p_{92} and p_{95} because gcd of their leading monoms is zero.

5074. Creating S-polynomial from the pair (p_{92}, p_{96}).

Skipping pair p_{92} and p_{96} because gcd of their leading monoms is zero.

5075. Creating S-polynomial from the pair (p_{92}, p_{97}).

Skipping pair p_{92} and p_{97} because gcd of their leading monoms is zero.

5076. Creating S-polynomial from the pair (p_{92}, p_{98}).

Skipping pair p_{92} and p_{98} because gcd of their leading monoms is zero.

5077. Creating S-polynomial from the pair (p_{92}, p_{99}).

Forming S-pol of p_{92} and p_{99}: Polynomial too big for output (text size is 3063 characters, number of terms is 33)

Reduced to zero.

5078. Creating S-polynomial from the pair (p_{92}, p_{100}).

Skipping pair p_{92} and p_{100} because gcd of their leading monoms is zero.

5079. Creating S-polynomial from the pair (p_{92}, p_{101}).

Skipping pair p_{92} and p_{101} because gcd of their leading monoms is zero.

5080. Creating S-polynomial from the pair (p_{92}, p_{102}).

Skipping pair p_{92} and p_{102} because gcd of their leading monoms is zero.

5081. Creating S-polynomial from the pair (p_{92}, p_{103}).

Forming S-pol of p_{92} and p_{103}: Polynomial too big for output (text size is 3078 characters, number of terms is 33)

Reduced to zero.

5082. Creating S-polynomial from the pair (p_{92}, p_{104}).

Forming S-pol of p_{92} and p_{104}:

$$p_{1149} = 67108864u_5u_4^{23}u_1^{26}x_{16}x_{14}^2 - 67108864u_4^{23}u_1^{26}x_{16}x_{14}x_4^2 +$$
$$134217728u_4^{23}u_1^{27}x_{16}x_{14}x_4 +$$
$$(16777216u_5^2u_4^{25}u_1^{24} - 67108864u_5^2u_4^{23}u_1^{26})x_{16}x_{14} -$$

$$67108864u_6u_4^{23}u_1^{26}x_{14}^3 - 33554432u_5u_4^{24}u_1^{25}x_{14}^2x_5+$$
$$33554432u_6u_4^{24}u_1^{25}x_{14}^2x_4 - 16777216u_6u_5u_4^{25}u_1^{24}x_{14}^2-$$
$$8388608u_5^2u_4^{26}u_1^{23}x_{14}x_5 - 16777216u_6u_4^{25}u_1^{24}x_{14}x_4^2+$$
$$(8388608u_6u_5u_4^{26}u_1^{23} + 33554432u_6u_4^{25}u_1^{25})x_{14}x_4-$$
$$16777216u_6u_5^2u_4^{25}u_1^{24}x_{14}$$

Reduced to zero.

5083. Creating S-polynomial from the pair (p_{92}, p_{105}).

Forming S-pol of p_{92} and p_{105}:

$$p_{1150} = 8192u_5u_4^{10}u_1^{13}x_{16}x_{14} + 2048u_4^{12}u_1^{11}x_{16}x_4^2+$$
$$4096u_5u_4^{11}u_1^{12}x_{16}x_4 - 4096u_4^{11}u_1^{12}x_{14}^2x_5 - 8192u_6u_4^{10}u_1^{13}x_{14}^2-$$
$$2048u_5u_4^{11}u_1^{11}x_{14}x_5x_3 + 2048u_6u_4^{11}u_1^{11}x_{14}x_4x_3-$$
$$1024u_6u_4^{13}u_1^{10}x_{14}x_4 - 1024u_5u_4^{12}u_1^{10}x_5x_4x_3+$$
$$512u_6u_4^{14}u_1^9x_4^2 - 512u_6u_5u_4^{13}u_1^9x_4x_3$$

Reduced to zero.

5084. Creating S-polynomial from the pair (p_{92}, p_{106}).

Forming S-pol of p_{92} and p_{106}:

$$p_{1151} = 32768u_4^{20}u_1^{15}x_{16}x_4^2 + 65536u_5u_4^{19}u_1^{16}x_{16}x_4-$$
$$65536u_4^{19}u_1^{16}x_{14}^2x_5+$$
$$(262144u_4^{16}u_1^{18} - 131072u_4^{16}u_1^{17})x_{14}x_5x_4x_3 - 131072u_4^{18}u_1^{17}x_{14}x_5x_4-$$
$$32768u_5u_4^{19}u_1^{15}x_{14}x_5x_3 + 65536u_5u_4^{19}u_1^{16}x_{14}x_5+$$
$$(32768u_6u_4^{19}u_1^{15} + 131072u_6u_4^{17}u_1^{17})x_{14}x_4x_3+$$
$$(-16384u_6u_4^{21}u_1^{14} - 65536u_6u_4^{19}u_1^{16} - 131072u_6u_4^{17}u_1^{17})x_{14}x_4-$$
$$16384u_5u_4^{20}u_1^{14}x_5x_4x_3 + 8192u_6u_4^{22}u_1^{13}x_4^2-$$
$$8192u_6u_5u_4^{21}u_1^{13}x_4x_3$$

S-pol added.

5085. Creating S-polynomial from the pair (p_{93}, p_{94}).

Forming S-pol of p_{93} and p_{94}:

$$p_{1152} = 4096u_4^{20}u_1^{12}x_{14}x_5 + (-16384u_4^{17}u_1^{14} + 8192u_4^{17}u_1^{13})x_5x_4x_3+$$
$$(-2048u_4^{21}u_1^{11} + 8192u_4^{19}u_1^{13})x_5x_4 + 2048u_5u_4^{20}u_1^{11}x_5x_3-$$
$$4096u_5u_4^{20}u_1^{12}x_5 - 8192u_6u_4^{18}u_1^{13}x_4x_3 + 8192u_6u_4^{18}u_1^{13}x_4$$

S-pol added.

5086. Creating S-polynomial from the pair (p_{93}, p_{95}).

Forming S-pol of p_{93} and p_{95}: Polynomial too big for output (text size is 2098 characters, number of terms is 18)

S-pol added.

5087. Creating S-polynomial from the pair (p_{93}, p_{96}).

Forming S-pol of p_{93} and p_{96}:

$$p_{1153} = (-16384u_5u_4^{14}u_3^4u_1^{14} + 32768u_5u_4^{12}u_3^4u_1^{15})x_{16}x_8+$$
$$(8192u_4^{14}u_3^5u_1^{13} - 16384u_4^{12}u_3^5u_1^{14})x_{16}x_6x_5+$$
$$(16384u_6u_4^{14}u_3^4u_1^{14} - 32768u_6u_4^{12}u_3^4u_1^{15})x_{16}x_6+$$
$$(4096u_5u_4^{14}u_3^5u_1^{12} - 8192u_5u_4^{12}u_3^5u_1^{13})x_{16}x_5x_2+$$
$$(-4096u_6u_4^{14}u_3^5u_1^{12} + 8192u_6u_4^{12}u_3^5u_1^{13})x_{16}x_4x_2-$$
$$8192u_4^{14}u_3^5u_1^{13}x_{14}x_8x_5+$$
$$(32768u_4^{11}u_3^5u_1^{15} - 16384u_4^{11}u_3^5u_1^{14})x_8x_5x_4x_3+$$
$$(-16384u_4^{13}u_3^5u_1^{14} + 8192u_4^{13}u_3^5u_1^{13})x_8x_5x_4-$$
$$4096u_5u_4^{14}u_3^5u_1^{12}x_8x_5x_3 + 8192u_5u_4^{14}u_3^5u_1^{13}x_8x_5+$$
$$(4096u_6u_4^{14}u_3^5u_1^{12} + 16384u_6u_4^{12}u_3^5u_1^{14}-$$
$$8192u_6u_4^{12}u_3^5u_1^{13})x_8x_4x_3 - 8192u_6u_4^{14}u_3^5u_1^{13}x_8x_4$$

S-pol added.

5088. Creating S-polynomial from the pair (p_{93}, p_{97}).

Forming S-pol of p_{93} and p_{97}: Polynomial too big for output (text size is 1466 characters, number of terms is 14)

S-pol added.

5089. Creating S-polynomial from the pair (p_{93}, p_{98}).

Skipping pair p_{93} and p_{98} because gcd of their leading monoms is zero.

5090. Creating S-polynomial from the pair (p_{93}, p_{99}).

Forming S-pol of p_{93} and p_{99}: Polynomial too big for output (text size is 4924 characters, number of terms is 31)

S-pol added.

5091. Creating S-polynomial from the pair (p_{93}, p_{100}).

Forming S-pol of p_{93} and p_{100}: Polynomial too big for output (text size is 2119 characters, number of terms is 18)

S-pol added.

5092. Creating S-polynomial from the pair (p_{93}, p_{101}).

Forming S-pol of p_{93} and p_{101}:

$$p_{1154} = (-16384u_5u_4^{14}u_2^4u_1^{14} + 32768u_5u_4^{12}u_2^4u_1^{15})x_{16}x_{12}+$$
$$(8192u_4^{14}u_2^5u_1^{13} - 16384u_4^{12}u_2^5u_1^{14})x_{16}x_{10}x_5+$$
$$(16384u_6u_4^{14}u_2^4u_1^{14} - 32768u_6u_4^{12}u_2^4u_1^{15})x_{16}x_{10}+$$
$$(4096u_5u_4^{14}u_2^5u_1^{12} - 8192u_5u_4^{12}u_2^5u_1^{13})x_{16}x_5x_1+$$
$$(-4096u_6u_4^{14}u_2^5u_1^{12} + 8192u_6u_4^{12}u_2^5u_1^{13})x_{16}x_4x_1-$$
$$8192u_4^{14}u_2^5u_1^{13}x_{14}x_{12}x_5+$$
$$(32768u_4^{11}u_2^5u_1^{15} - 16384u_4^{11}u_2^5u_1^{14})x_{12}x_5x_4x_3+$$
$$(-16384u_4^{13}u_2^5u_1^{14} + 8192u_4^{13}u_2^5u_1^{13})x_{12}x_5x_4-$$
$$4096u_5u_4^{14}u_2^5u_1^{12}x_{12}x_5x_3 + 8192u_5u_4^{14}u_2^5u_1^{13}x_{12}x_5+$$
$$(4096u_6u_4^{14}u_2^5u_1^{12} + 16384u_6u_4^{12}u_2^5u_1^{14}-$$
$$8192u_6u_4^{12}u_2^5u_1^{13})x_{12}x_4x_3 - 8192u_6u_4^{14}u_2^5u_1^{13}x_{12}x_4$$

S-pol added.

5093. Creating S-polynomial from the pair (p_{93}, p_{102}).

Forming S-pol of p_{93} and p_{102}: Polynomial too big for output (text size is 1474 characters, number of terms is 14)

S-pol added.

5094. Creating S-polynomial from the pair (p_{93}, p_{103}).

Forming S-pol of p_{93} and p_{103}: Polynomial too big for output (text size is 4937 characters, number of terms is 31)

S-pol added.

5095. Creating S-polynomial from the pair (p_{93}, p_{104}).

Forming S-pol of p_{93} and p_{104}: Polynomial too big for output (text size is 1641 characters, number of terms is 16)

S-pol added.

5096. Creating S-polynomial from the pair (p_{93}, p_{105}).

Forming S-pol of p_{93} and p_{105}:

$$p_{1155} = (-16384u_5u_4^{18}u_1^{14} + 32768u_5u_4^{16}u_1^{15})x_{16}x_4 - 16384u_4^{17}u_1^{14}x_{14}x_5x_4+$$
$$(16384u_6u_4^{18}u_1^{14} - 32768u_6u_4^{16}u_1^{15})x_{14}x_4+$$
$$(32768u_4^{16}u_1^{15} - 16384u_4^{16}u_1^{14})x_5x_4^2x_3+$$
$$(-16384u_4^{18}u_1^{14} + 8192u_4^{18}u_1^{13})x_5x_4^2 - 8192u_5u_4^{17}u_1^{13}x_5x_4x_3+$$
$$8192u_5u_4^{19}u_1^{13}x_5x_4 + 16384u_6u_4^{17}u_1^{14}x_4^2x_3-$$
$$8192u_6u_4^{19}u_1^{13}x_4^2$$

S-pol added.

5097. Creating S-polynomial from the pair (p_{93}, p_{106}).

Forming S-pol of p_{93} and p_{106}:

$$p_{1156} = -262144u_4^{25}u_1^{18}x_{14}x_5x_4+(1048576u_4^{22}u_1^{20}-524288u_4^{22}u_1^{19})x_5x_4^2x_3+$$
$$(131072u_4^{26}u_1^{17} - 524288u_4^{24}u_1^{19})x_5x_4^2 - 131072u_5u_4^{25}u_1^{17}x_5x_4x_3+$$
$$262144u_5u_4^{25}u_1^{18}x_5x_4 + 524288u_6u_4^{23}u_1^{19}x_4^2x_3-$$
$$524288u_6u_4^{23}u_1^{19}x_4^2$$

S-pol added.

5098. Creating S-polynomial from the pair (p_{94}, p_{95}).

Skipping pair p_{94} and p_{95} because gcd of their leading monoms is zero.

5099. Creating S-polynomial from the pair (p_{94}, p_{96}).

Skipping pair p_{94} and p_{96} because gcd of their leading monoms is zero.

5100. Creating S-polynomial from the pair (p_{94}, p_{97}).

Skipping pair p_{94} and p_{97} because gcd of their leading monoms is zero.

5101. Creating S-polynomial from the pair (p_{94}, p_{98}).

Skipping pair p_{94} and p_{98} because gcd of their leading monoms is zero.

5102. Creating S-polynomial from the pair (p_{94}, p_{99}).

Forming S-pol of p_{94} and p_{99}: Polynomial too big for output (text size is 2105 characters, number of terms is 27)

Reduced to zero.

5103. Creating S-polynomial from the pair (p_{94}, p_{100}).

Skipping pair p_{94} and p_{100} because gcd of their leading monoms is zero.

5104. Creating S-polynomial from the pair (p_{94}, p_{101}).

Skipping pair p_{94} and p_{101} because gcd of their leading monoms is zero.

5105. Creating S-polynomial from the pair (p_{94}, p_{102}).

Skipping pair p_{94} and p_{102} because gcd of their leading monoms is zero.

5106. Creating S-polynomial from the pair (p_{94}, p_{103}).

Forming S-pol of p_{94} and p_{103}: Polynomial too big for output (text size is 2114 characters, number of terms is 27)

Reduced to zero.

5107. Creating S-polynomial from the pair (p_{94}, p_{104}).

Forming S-pol of p_{94} and p_{104}:

$$p_{1157} = 2097152u_5u_4^{23}u_1^{21}x_{16}x_{14}+(4194304u_5u_4^{22}u_1^{22}+4194304u_4^{23}u_1^{22})x_{16}x_4+$$
$$(524288u_5^2u_4^{25}u_1^{19} - 2097152u_5^2u_4^{23}u_1^{21})x_{16}-$$
$$2097152u_6u_4^{23}u_1^{21}x_{14}^2 - 2097152u_4^{23}u_1^{21}x_{14}x_5x_4-$$

$$1048576u_5u_4^{24}u_1^{20}x_{14}x_5 + 2097152u_6u_4^{22}u_1^{21}x_{14}x_4x_3-$$
$$4194304u_6u_4^{22}u_1^{22}x_{14}x_4 - 524288u_6u_5u_4^{25}u_1^{19}x_{14}-$$
$$1048576u_5u_4^{23}u_1^{20}x_5x_4x_3 - 262144u_5^2u_4^{26}u_1^{18}x_5-$$
$$524288u_6u_5u_4^{24}u_1^{19}x_4x_3+$$
$$(262144u_6u_5u_4^{26}u_1^{18} + 1048576u_6u_4^{25}u_1^{20})x_4 - 524288u_6u_5^2u_4^{25}u_1^{19}$$

Reduced to zero.

5108. Creating S-polynomial from the pair (p_{94}, p_{105}).

Forming S-pol of p_{94} and p_{105}:

$$p_{1158} = 256u_5u_4^{10}u_1^8x_{16} - 128u_4^{11}u_1^7x_{14}x_5 - 256u_6u_4^{10}u_1^8x_{14}+$$
$$64u_4^{12}u_1^6x_5x_4 - 64u_5u_4^{11}u_1^6x_5x_3 + 128u_6u_4^{11}u_1^7x_4$$

Reduced to zero.

5109. Creating S-polynomial from the pair (p_{94}, p_{106}).

Forming S-pol of p_{94} and p_{106}:

$$p_{1159} = -2048u_4^{19}u_1^{11}x_{14}x_5 + (8192u_4^{16}u_1^{13} - 4096u_4^{16}u_1^{12})x_5x_4x_3+$$
$$(1024u_4^{20}u_1^{10} - 4096u_4^{18}u_1^{12})x_5x_4 - 1024u_5u_4^{19}u_1^{10}x_5x_3+$$
$$2048u_5u_4^{19}u_1^{11}x_5 + 4096u_6u_4^{17}u_1^{12}x_4x_3 - 4096u_6u_4^{17}u_1^{12}x_4$$

S-pol added.

5110. Creating S-polynomial from the pair (p_{95}, p_{96}).

Forming S-pol of p_{95} and p_{96}:

$$p_{1160} = 4194304u_5u_3^{22}u_1^{22}x_8x_6x_4 + 16777216u_5u_3^{20}u_1^{24}x_8x_6+$$
$$(8388608u_5u_3^{21}u_1^{23} + 8388608u_3^{22}u_1^{23})x_8x_4^2+$$
$$(1048576u_5^2u_3^{24}u_1^{20} - 4194304u_5^2u_3^{22}u_1^{22})x_8x_4-$$
$$8388608u_3^{21}u_1^{23}x_6^2x_5 - 4194304u_6u_3^{22}u_1^{22}x_6^2x_4-$$
$$16777216u_6u_3^{20}u_1^{24}x_6^2 - 2097152u_5u_3^{23}u_1^{21}x_6x_5x_4-$$
$$4194304u_5u_3^{21}u_1^{22}x_6x_5x_2 + 4194304u_6u_3^{21}u_1^{22}x_6x_4x_2-$$
$$1048576u_6u_5u_3^{24}u_1^{20}x_6x_4 - 2097152u_5u_3^{22}u_1^{21}x_5x_4^2x_2-$$
$$524288u_5^2u_3^{25}u_1^{19}x_5x_4 - 1048576u_6u_5u_3^{23}u_1^{20}x_4^2x_2+$$
$$(524288u_6u_5u_3^{25}u_1^{19} + 2097152u_6u_3^{24}u_1^{21})x_4^2-$$
$$1048576u_6u_5^2u_3^{24}u_1^{20}x_4$$

S-pol added.

5111. Creating S-polynomial from the pair (p_{95}, p_{97}).

Forming S-pol of p_{95} and p_{97}: Polynomial too big for output (text size is 1060 characters, number of terms is 16)

S-pol added.

5112. Creating S-polynomial from the pair (p_{95}, p_{98}).

Forming S-pol of p_{95} and p_{98}: Polynomial too big for output (text size is 4377 characters, number of terms is 38)

Reduced to zero.

5113. Creating S-polynomial from the pair (p_{95}, p_{99}).

Forming S-pol of p_{95} and p_{99}: Polynomial too big for output (text size is 4383 characters, number of terms is 38)

Reduced to zero.

5114. Creating S-polynomial from the pair (p_{95}, p_{100}).

Forming S-pol of p_{95} and p_{100}: Polynomial too big for output (text size is 1801 characters, number of terms is 21)

Reduced to zero.

5115. Creating S-polynomial from the pair (p_{95}, p_{101}).

Forming S-pol of p_{95} and p_{101}: Polynomial too big for output (text size is 1059 characters, number of terms is 15)

Reduced to zero.

5116. Creating S-polynomial from the pair (p_{95}, p_{102}).

Forming S-pol of p_{95} and p_{102}: Polynomial too big for output (text size is 1374 characters, number of terms is 18)

S-pol added.

5117. Creating S-polynomial from the pair (p_{95}, p_{103}).

Skipping pair p_{95} and p_{103} because gcd of their leading monoms is zero.

5118. Creating S-polynomial from the pair (p_{95}, p_{104}).

Forming S-pol of p_{95} and p_{104}: Polynomial too big for output (text size is 1800 characters, number of terms is 21)

Reduced to zero.

5119. Creating S-polynomial from the pair (p_{95}, p_{105}).

Forming S-pol of p_{95} and p_{105}: Polynomial too big for output (text size is 1059 characters, number of terms is 15)

Reduced to zero.

5120. Creating S-polynomial from the pair (p_{95}, p_{106}).

Forming S-pol of p_{95} and p_{106}: Polynomial too big for output (text size is 1374 characters, number of terms is 18)

S-pol added.

5121. Creating S-polynomial from the pair (p_{96}, p_{97}).

Forming S-pol of p_{96} and p_{97}:

$$p_{1161} = 8192u_5u_3^{17}u_1^{13}x_8x_4 - 8192u_6u_3^{17}u_1^{13}x_6x_4+$$

$$(-16384u_3^{15}u_1^{14} + 8192u_3^{15}u_1^{13})x_5x_4^2x_2 + 8192u_3^{17}u_1^{13}x_5x_4^2 -$$
$$4096u_5u_3^{18}u_1^{12}x_5x_4 - 8192u_6u_3^{16}u_1^{13}x_4^2x_2 +$$
$$(4096u_6u_3^{18}u_1^{12} + 8192u_6u_3^{16}u_1^{13})x_4^2$$

S-pol added.

5122. Creating S-polynomial from the pair (p_{96}, p_{98}).

Forming S-pol of p_{96} and p_{98}: Polynomial too big for output (text size is 2738 characters, number of terms is 31)

Reduced to zero.

5123. Creating S-polynomial from the pair (p_{96}, p_{99}).

Forming S-pol of p_{96} and p_{99}: Polynomial too big for output (text size is 2737 characters, number of terms is 31)

Reduced to zero.

5124. Creating S-polynomial from the pair (p_{96}, p_{100}).

Forming S-pol of p_{96} and p_{100}: Polynomial too big for output (text size is 1065 characters, number of terms is 15)

Reduced to zero.

5125. Creating S-polynomial from the pair (p_{96}, p_{101}).

Forming S-pol of p_{96} and p_{101}:

$$p_{1162} = (-512u_5u_3^5u_2^4u_1^9 + 512u_5u_3^4u_2^5u_1^9)x_{12}x_8 -$$
$$256u_3^5u_2^5u_1^8x_{12}x_6x_5 - 512u_6u_3^4u_2^5u_1^9x_{12}x_6 -$$
$$128u_5u_3^5u_2^5u_1^7x_{12}x_5x_2 + 128u_6u_3^5u_2^5u_1^7x_{12}x_4x_2 +$$
$$256u_3^5u_2^5u_1^8x_{10}x_8x_5 + 512u_6u_3^5u_2^4u_1^9x_{10}x_8 +$$
$$128u_5u_3^5u_2^5u_1^7x_8x_5x_1 - 128u_6u_3^5u_2^5u_1^7x_8x_4x_1$$

Reduced to zero.

5126. Creating S-polynomial from the pair (p_{96}, p_{102}).

Forming S-pol of p_{96} and p_{102}:

$$p_{1163} = 8192u_5u_3^4u_2^{13}u_1^{13}x_{12}x_8 - 4096u_3^5u_2^{13}u_1^{12}x_{12}x_6x_5 -$$
$$8192u_6u_3^4u_2^{13}u_1^{13}x_{12}x_6 - 2048u_5u_3^5u_2^{13}u_1^{11}x_{12}x_5x_2 +$$
$$2048u_6u_3^5u_2^{13}u_1^{11}x_{12}x_4x_2 + 4096u_3^5u_2^{13}u_1^{12}x_{10}x_8x_5 +$$
$$(-16384u_3^5u_2^{10}u_1^{14} + 8192u_3^5u_2^{10}u_1^{13})x_8x_5x_4x_1 +$$
$$8192u_3^5u_2^{12}u_1^{13}x_8x_5x_4 + 2048u_5u_3^5u_2^{13}u_1^{11}x_8x_5x_1 -$$
$$4096u_5u_3^5u_2^{13}u_1^{12}x_8x_5 +$$
$$(-2048u_6u_3^5u_2^{13}u_1^{11} - 8192u_6u_3^5u_2^{11}u_1^{13})x_8x_4x_1 +$$
$$(4096u_6u_3^5u_2^{13}u_1^{12} + 8192u_6u_3^5u_2^{11}u_1^{13})x_8x_4$$

S-pol added.

5127. Creating S-polynomial from the pair (p_{96}, p_{103}).

Skipping pair p_{96} and p_{103} because gcd of their leading monoms is zero.

5128. Creating S-polynomial from the pair (p_{96}, p_{104}).

Forming S-pol of p_{96} and p_{104}: Polynomial too big for output (text size is 1065 characters, number of terms is 15)

Reduced to zero.

5129. Creating S-polynomial from the pair (p_{96}, p_{105}).

Forming S-pol of p_{96} and p_{105}:

$$p_{1164} = (512u_5u_4^5u_3^4u_1^9 - 512u_5u_4^4u_3^5u_1^9)x_{16}x_8 -$$
$$256u_4^5u_3^5u_1^8x_{16}x_6x_5 - 512u_6u_4^5u_3^4u_1^9x_{16}x_6 -$$
$$128u_5u_4^5u_3^5u_1^7x_{16}x_5x_2 + 128u_6u_4^5u_3^5u_1^7x_{16}x_4x_2 +$$
$$256u_4^5u_3^5u_1^8x_{14}x_8x_5 + 512u_6u_4^4u_3^5u_1^9x_{14}x_8 +$$
$$128u_5u_4^5u_3^5u_1^7x_8x_5x_3 - 128u_6u_4^5u_3^5u_1^7x_8x_4x_3$$

Reduced to zero.

5130. Creating S-polynomial from the pair (p_{96}, p_{106}).

Forming S-pol of p_{96} and p_{106}:

$$p_{1165} = 8192u_5u_4^{13}u_3^4u_1^{13}x_{16}x_8 - 4096u_4^{13}u_3^5u_1^{12}x_{16}x_6x_5 -$$
$$8192u_6u_4^{13}u_3^4u_1^{13}x_{16}x_6 - 2048u_5u_4^{13}u_3^5u_1^{11}x_{16}x_5x_2 +$$
$$2048u_6u_4^{13}u_3^5u_1^{11}x_{16}x_4x_2 + 4096u_4^{13}u_3^5u_1^{12}x_{14}x_8x_5 +$$
$$(-16384u_4^{10}u_3^5u_1^{14} + 8192u_4^{10}u_3^5u_1^{13})x_8x_5x_4x_3 +$$
$$8192u_4^{12}u_3^5u_1^{13}x_8x_5x_4 + 2048u_5u_4^{13}u_3^5u_1^{11}x_8x_5x_3 -$$
$$4096u_5u_4^{13}u_3^5u_1^{12}x_8x_5 +$$
$$(-2048u_6u_4^{13}u_3^5u_1^{11} - 8192u_6u_4^{11}u_3^5u_1^{13})x_8x_4x_3 +$$
$$(4096u_6u_4^{13}u_3^5u_1^{12} + 8192u_6u_4^{11}u_3^5u_1^{13})x_8x_4$$

S-pol added.

5131. Creating S-polynomial from the pair (p_{97}, p_{98}).

Forming S-pol of p_{97} and p_{98}: Polynomial too big for output (text size is 3332 characters, number of terms is 31)

S-pol added.

5132. Creating S-polynomial from the pair (p_{97}, p_{99}).

Forming S-pol of p_{97} and p_{99}: Polynomial too big for output (text size is 3330 characters, number of terms is 31)

S-pol added.

5133. Creating S-polynomial from the pair (p_{97}, p_{100}).

Forming S-pol of p_{97} and p_{100}: Polynomial too big for output (text size is 1388 characters, number of terms is 18)

S-pol added.

5134. Creating S-polynomial from the pair (p_{97}, p_{101}).

Forming S-pol of p_{97} and p_{101}:

$$p_{1166} = -8192u_5u_3^{13}u_2^4u_1^{13}x_{12}x_8 - 4096u_3^{13}u_2^5u_1^{12}x_{12}x_6x_5+$$
$$(16384u_3^{10}u_2^5u_1^{14} - 8192u_3^{10}u_2^5u_1^{13})x_{12}x_5x_4x_2-$$
$$8192u_3^{12}u_2^5u_1^{13}x_{12}x_5x_4 - 2048u_5u_3^{13}u_2^5u_1^{11}x_{12}x_5x_2+$$
$$4096u_5u_3^{13}u_2^5u_1^{12}x_{12}x_5+$$
$$(2048u_6u_3^{13}u_2^5u_1^{11} + 8192u_6u_3^{11}u_2^5u_1^{13})x_{12}x_4x_2+$$
$$(-4096u_6u_3^{13}u_2^5u_1^{12} - 8192u_6u_3^{11}u_2^5u_1^{13})x_{12}x_4+$$
$$4096u_3^{13}u_2^5u_1^{12}x_{10}x_8x_5 + 8192u_6u_3^{13}u_2^4u_1^{13}x_{10}x_8+$$
$$2048u_5u_3^{13}u_2^5u_1^{11}x_8x_5x_1 - 2048u_6u_3^{13}u_2^5u_1^{11}x_8x_4x_1$$

S-pol added.

5135. Creating S-polynomial from the pair (p_{97}, p_{102}).

Forming S-pol of p_{97} and p_{102}: Polynomial too big for output (text size is 1014 characters, number of terms is 14)

S-pol added.

5136. Creating S-polynomial from the pair (p_{97}, p_{103}).

Skipping pair p_{97} and p_{103} because gcd of their leading monoms is zero.

5137. Creating S-polynomial from the pair (p_{97}, p_{104}).

Forming S-pol of p_{97} and p_{104}: Polynomial too big for output (text size is 1388 characters, number of terms is 18)

S-pol added.

5138. Creating S-polynomial from the pair (p_{97}, p_{105}).

Forming S-pol of p_{97} and p_{105}:

$$p_{1167} = -8192u_5u_4^4u_3^{13}u_1^{13}x_{16}x_8 - 4096u_4^5u_3^{13}u_1^{12}x_{16}x_6x_5+$$
$$(16384u_4^5u_3^{10}u_1^{14} - 8192u_4^5u_3^{10}u_1^{13})x_{16}x_5x_4x_2-$$
$$8192u_4^5u_3^{12}u_1^{13}x_{16}x_5x_4 - 2048u_5u_4^5u_3^{13}u_1^{11}x_{16}x_5x_2+$$
$$4096u_5u_4^5u_3^{13}u_1^{12}x_{16}x_5+$$
$$(2048u_6u_4^5u_3^{13}u_1^{11} + 8192u_6u_4^5u_3^{11}u_1^{13})x_{16}x_4x_2+$$
$$(-4096u_6u_4^5u_3^{13}u_1^{12} - 8192u_6u_4^5u_3^{11}u_1^{13})x_{16}x_4+$$
$$4096u_4^5u_3^{13}u_1^{12}x_{14}x_8x_5 + 8192u_6u_4^4u_3^{13}u_1^{13}x_{14}x_8+$$
$$2048u_5u_4^5u_3^{13}u_1^{11}x_8x_5x_3 - 2048u_6u_4^5u_3^{13}u_1^{11}x_8x_4x_3$$

S-pol added.

5139. Creating S-polynomial from the pair (p_{97}, p_{106}).

Forming S-pol of p_{97} and p_{106}: Polynomial too big for output (text size is 1014 characters, number of terms is 14)

S-pol added.

5140. Creating S-polynomial from the pair (p_{98}, p_{99}).

Forming S-pol of p_{98} and p_{99}: Polynomial too big for output (text size is 10512 characters, number of terms is 48)

Reduced to zero.

5141. Creating S-polynomial from the pair (p_{98}, p_{100}).

Forming S-pol of p_{98} and p_{100}: Polynomial too big for output (text size is 4402 characters, number of terms is 38)

Reduced to zero.

5142. Creating S-polynomial from the pair (p_{98}, p_{101}).

Forming S-pol of p_{98} and p_{101}: Polynomial too big for output (text size is 2736 characters, number of terms is 31)

Reduced to zero.

5143. Creating S-polynomial from the pair (p_{98}, p_{102}).

Forming S-pol of p_{98} and p_{102}: Polynomial too big for output (text size is 3327 characters, number of terms is 31)

S-pol added.

5144. Creating S-polynomial from the pair (p_{98}, p_{103}).

Forming S-pol of p_{98} and p_{103}: Polynomial too big for output (text size is 10499 characters, number of terms is 48)

Reduced to zero.

5145. Creating S-polynomial from the pair (p_{98}, p_{104}).

Skipping pair p_{98} and p_{104} because gcd of their leading monoms is zero.

5146. Creating S-polynomial from the pair (p_{98}, p_{105}).

Skipping pair p_{98} and p_{105} because gcd of their leading monoms is zero.

5147. Creating S-polynomial from the pair (p_{98}, p_{106}).

Skipping pair p_{98} and p_{106} because gcd of their leading monoms is zero.

5148. Creating S-polynomial from the pair (p_{99}, p_{100}).

Skipping pair p_{99} and p_{100} because gcd of their leading monoms is zero.

5149. Creating S-polynomial from the pair (p_{99}, p_{101}).

Skipping pair p_{99} and p_{101} because gcd of their leading monoms is zero.

5150. Creating S-polynomial from the pair (p_{99}, p_{102}).

Skipping pair p_{99} and p_{102} because gcd of their leading monoms is zero.

5151. Creating S-polynomial from the pair (p_{99}, p_{103}).

Forming S-pol of p_{99} and p_{103}: Polynomial too big for output (text size is 10499 characters, number of terms is 48)

Reduced to zero.

5152. Creating S-polynomial from the pair (p_{99}, p_{104}).

Forming S-pol of p_{99} and p_{104}: Polynomial too big for output (text size is 4396 characters, number of terms is 38)

Reduced to zero.

5153. Creating S-polynomial from the pair (p_{99}, p_{105}).

Forming S-pol of p_{99} and p_{105}: Polynomial too big for output (text size is 2737 characters, number of terms is 31)

Reduced to zero.

5154. Creating S-polynomial from the pair (p_{99}, p_{106}).

Forming S-pol of p_{99} and p_{106}: Polynomial too big for output (text size is 3329 characters, number of terms is 31)

S-pol added.

5155. Creating S-polynomial from the pair (p_{100}, p_{101}).

Forming S-pol of p_{100} and p_{101}:

$$\begin{gathered}
p_{1168} = 4194304u_5u_2^{22}u_1^{22}x_{12}x_{10}x_4 + 16777216u_5u_2^{20}u_1^{24}x_{12}x_{10}+ \\
(8388608u_5u_2^{21}u_1^{23} + 8388608u_2^{22}u_1^{23})x_{12}x_4^2+ \\
(1048576u_5^2u_2^{24}u_1^{20} - 4194304u_5^2u_2^{22}u_1^{22})x_{12}x_4- \\
8388608u_2^{21}u_1^{23}x_{10}^2x_5 - 4194304u_6u_2^{22}u_1^{22}x_{10}^2x_4- \\
16777216u_6u_2^{20}u_1^{24}x_{10}^2 - 2097152u_5u_2^{23}u_1^{21}x_{10}x_5x_4- \\
4194304u_5u_2^{21}u_1^{22}x_{10}x_5x_1 + 4194304u_6u_2^{21}u_1^{22}x_{10}x_4x_1- \\
1048576u_6u_5u_2^{24}u_1^{20}x_{10}x_4 - 2097152u_5u_2^{22}u_1^{21}x_5x_4^2x_1- \\
524288u_5^2u_2^{25}u_1^{19}x_5x_4 - 1048576u_6u_5u_2^{23}u_1^{20}x_4^2x_1+ \\
(524288u_6u_5u_2^{25}u_1^{19} + 2097152u_6u_2^{24}u_1^{21})x_4^2- \\
1048576u_6u_5^2u_2^{24}u_1^{20}x_4
\end{gathered}$$

S-pol added.

5156. Creating S-polynomial from the pair (p_{100}, p_{102}).

Forming S-pol of p_{100} and p_{102}: Polynomial too big for output (text size is 1072 characters, number of terms is 16)

S-pol added.

5157. Creating S-polynomial from the pair (p_{100}, p_{103}).

Forming S-pol of p_{100} and p_{103}: Polynomial too big for output (text size is 4422 characters, number of terms is 38)

Reduced to zero.

5158. Creating S-polynomial from the pair (p_{100}, p_{104}).

Forming S-pol of p_{100} and p_{104}: Polynomial too big for output (text size is 1827 characters, number of terms is 21)

Reduced to zero.

5159. Creating S-polynomial from the pair (p_{100}, p_{105}).

Forming S-pol of p_{100} and p_{105}: Polynomial too big for output (text size is 1074 characters, number of terms is 15)

Reduced to zero.

5160. Creating S-polynomial from the pair (p_{100}, p_{106}).

Forming S-pol of p_{100} and p_{106}: Polynomial too big for output (text size is 1395 characters, number of terms is 18)

S-pol added.

5161. Creating S-polynomial from the pair (p_{101}, p_{102}).

Forming S-pol of p_{101} and p_{102}:

$$p_{1169} = 8192u_5u_2^{17}u_1^{13}x_{12}x_4 - 8192u_6u_2^{17}u_1^{13}x_{10}x_4+$$
$$(-16384u_2^{15}u_1^{14} + 8192u_2^{15}u_1^{13})x_5x_4^2x_1 + 8192u_2^{17}u_1^{13}x_5x_4^2-$$
$$4096u_5u_2^{18}u_1^{12}x_5x_4 - 8192u_6u_2^{16}u_1^{13}x_4^2x_1+$$
$$(4096u_6u_2^{18}u_1^{12} + 8192u_6u_2^{16}u_1^{13})x_4^2$$

S-pol added.

5162. Creating S-polynomial from the pair (p_{101}, p_{103}).

Forming S-pol of p_{101} and p_{103}: Polynomial too big for output (text size is 2749 characters, number of terms is 31)

Reduced to zero.

5163. Creating S-polynomial from the pair (p_{101}, p_{104}).

Forming S-pol of p_{101} and p_{104}: Polynomial too big for output (text size is 1078 characters, number of terms is 15)

Reduced to zero.

5164. Creating S-polynomial from the pair (p_{101}, p_{105}).

Forming S-pol of p_{101} and p_{105}:

$$p_{1170} = (512u_5u_4^5u_2^4u_1^9 - 512u_5u_4^4u_2^5u_1^9)x_{16}x_{12}-$$
$$256u_4^5u_2^5u_1^8x_{16}x_{10}x_5 - 512u_6u_4^5u_2^4u_1^9x_{16}x_{10}-$$
$$128u_5u_4^5u_2^5u_1^7x_{16}x_5x_1 + 128u_6u_4^5u_2^5u_1^7x_{16}x_4x_1+$$
$$256u_4^5u_2^5u_1^8x_{14}x_{12}x_5 + 512u_6u_4^4u_2^5u_1^9x_{14}x_{12}+$$
$$128u_5u_4^5u_2^5u_1^7x_{12}x_5x_3 - 128u_6u_4^5u_2^5u_1^7x_{12}x_4x_3$$

Reduced to zero.

5165. Creating S-polynomial from the pair (p_{101}, p_{106}).

Forming S-pol of p_{101} and p_{106}:

$$p_{1171} = 8192u_5u_4^{13}u_2^4u_1^{13}x_{16}x_{12} - 4096u_4^{13}u_2^5u_1^{12}x_{16}x_{10}x_5 -$$
$$8192u_6u_4^{13}u_2^4u_1^{13}x_{16}x_{10} - 2048u_5u_4^{13}u_2^5u_1^{11}x_{16}x_5x_1 +$$
$$2048u_6u_4^{13}u_2^5u_1^{11}x_{16}x_4x_1 + 4096u_4^{13}u_2^5u_1^{12}x_{14}x_{12}x_5 +$$
$$(-16384u_4^{10}u_2^5u_1^{14} + 8192u_4^{10}u_2^5u_1^{13})x_{12}x_5x_4x_3 +$$
$$8192u_4^{12}u_2^5u_1^{13}x_{12}x_5x_4 + 2048u_5u_4^{13}u_2^5u_1^{11}x_{12}x_5x_3 -$$
$$4096u_5u_4^{13}u_2^5u_1^{12}x_{12}x_5 +$$
$$(-2048u_6u_4^{13}u_2^5u_1^{11} - 8192u_6u_4^{11}u_2^5u_1^{13})x_{12}x_4x_3 +$$
$$(4096u_6u_4^{13}u_2^5u_1^{12} + 8192u_6u_4^{11}u_2^5u_1^{13})x_{12}x_4$$

S-pol added.

5166. Creating S-polynomial from the pair (p_{102}, p_{103}).

Forming S-pol of p_{102} and p_{103}: Polynomial too big for output (text size is 3340 characters, number of terms is 31)

S-pol added.

5167. Creating S-polynomial from the pair (p_{102}, p_{104}).

Forming S-pol of p_{102} and p_{104}: Polynomial too big for output (text size is 1400 characters, number of terms is 18)

S-pol added.

5168. Creating S-polynomial from the pair (p_{102}, p_{105}).

Forming S-pol of p_{102} and p_{105}:

$$p_{1172} = -8192u_5u_4^4u_2^{13}u_1^{13}x_{16}x_{12} - 4096u_4^5u_2^{13}u_1^{12}x_{16}x_{10}x_5 +$$
$$(16384u_4^5u_2^{10}u_1^{14} - 8192u_4^5u_2^{10}u_1^{13})x_{16}x_5x_4x_1 -$$
$$8192u_4^5u_2^{12}u_1^{13}x_{16}x_5x_4 - 2048u_5u_4^5u_2^{13}u_1^{11}x_{16}x_5x_1 +$$
$$4096u_5u_4^5u_2^{13}u_1^{12}x_{16}x_5 +$$
$$(2048u_6u_4^5u_2^{13}u_1^{11} + 8192u_6u_4^5u_2^{11}u_1^{13})x_{16}x_4x_1 +$$
$$(-4096u_6u_4^5u_2^{13}u_1^{12} - 8192u_6u_4^5u_2^{11}u_1^{13})x_{16}x_4 +$$
$$4096u_4^5u_2^{13}u_1^{12}x_{14}x_{12}x_5 + 8192u_6u_4^4u_2^{13}u_1^{13}x_{14}x_{12} +$$
$$2048u_5u_4^5u_2^{13}u_1^{11}x_{12}x_5x_3 - 2048u_6u_4^5u_2^{13}u_1^{11}x_{12}x_4x_3$$

S-pol added.

5169. Creating S-polynomial from the pair (p_{102}, p_{106}).

Forming S-pol of p_{102} and p_{106}: Polynomial too big for output (text size is 1022 characters, number of terms is 14)

S-pol added.

5170. Creating S-polynomial from the pair (p_{103}, p_{104}).

Forming S-pol of p_{103} and p_{104}: Polynomial too big for output (text size is 4416 characters, number of terms is 38)

Reduced to zero.

5171. Creating S-polynomial from the pair (p_{103}, p_{105}).

Forming S-pol of p_{103} and p_{105}: Polynomial too big for output (text size is 2750 characters, number of terms is 31)

Reduced to zero.

5172. Creating S-polynomial from the pair (p_{103}, p_{106}).

Forming S-pol of p_{103} and p_{106}: Polynomial too big for output (text size is 3342 characters, number of terms is 31)

S-pol added.

5173. Creating S-polynomial from the pair (p_{104}, p_{105}).

Forming S-pol of p_{104} and p_{105}:

$$p_{1173} = 4194304u_5u_4^{22}u_1^{22}x_{16}x_{14}x_4 + 16777216u_5u_4^{20}u_1^{24}x_{16}x_{14}+$$
$$(8388608u_5u_4^{21}u_1^{23} + 8388608u_4^{22}u_1^{23})x_{16}x_4^2+$$
$$(1048576u_5^2u_4^{24}u_1^{20} - 4194304u_5^2u_4^{22}u_1^{22})x_{16}x_4-$$
$$8388608u_4^{21}u_1^{23}x_{14}^2x_5 - 4194304u_6u_4^{22}u_1^{22}x_{14}^2x_4-$$
$$16777216u_6u_4^{20}u_1^{24}x_{14}^2 - 2097152u_5u_4^{23}u_1^{21}x_{14}x_5x_4-$$
$$4194304u_5u_4^{21}u_1^{22}x_{14}x_5x_3 + 4194304u_6u_4^{21}u_1^{22}x_{14}x_4x_3-$$
$$1048576u_6u_5u_4^{24}u_1^{20}x_{14}x_4 - 2097152u_5u_4^{22}u_1^{21}x_5x_4^2x_3-$$
$$524288u_5^2u_4^{25}u_1^{19}x_5x_4 - 1048576u_6u_5u_4^{23}u_1^{20}x_4^2x_3+$$
$$(524288u_6u_5u_4^{25}u_1^{19} + 2097152u_6u_4^{24}u_1^{21})x_4^2-$$
$$1048576u_6u_5^2u_4^{24}u_1^{20}x_4$$

S-pol added.

5174. Creating S-polynomial from the pair (p_{104}, p_{106}).

Forming S-pol of p_{104} and p_{106}: Polynomial too big for output (text size is 1072 characters, number of terms is 16)

S-pol added.

5175. Creating S-polynomial from the pair (p_{105}, p_{106}).

Forming S-pol of p_{105} and p_{106}:

$$p_{1174} = 8192u_5u_4^{17}u_1^{13}x_{16}x_4 - 8192u_6u_4^{17}u_1^{13}x_{14}x_4+$$
$$(-16384u_4^{15}u_1^{14} + 8192u_4^{15}u_1^{13})x_5x_4^2x_3 + 8192u_4^{17}u_1^{13}x_5x_4^2-$$
$$4096u_5u_4^{18}u_1^{12}x_5x_4 - 8192u_6u_4^{16}u_1^{13}x_4^2x_3+$$
$$(4096u_6u_4^{18}u_1^{12} + 8192u_6u_4^{16}u_1^{13})x_4^2$$

S-pol added.

5.4 Iteration 4

Current set is $S_4 =$

$$
\begin{aligned}
p_0 &= x_1^2 - 2u_1x_1 + u_2^2 \\
p_1 &= x_2^2 - 2u_1x_2 + u_3^2 \\
p_2 &= x_3^2 - 2u_1x_3 + u_4^2 \\
p_3 &= x_4^2 - 2u_1x_4 + u_5^2 \\
p_4 &= x_5^2 - 2u_1x_5 + u_6^2 \\
p_5 &= -u_3x_7 + x_6x_2 \\
p_6 &= -x_7x_2 - u_3x_6 + x_4x_2 + u_5u_3 \\
p_7 &= -u_3x_9 + x_8x_2 \\
p_8 &= -x_9x_2 - u_3x_8 + x_5x_2 + u_6u_3 \\
p_9 &= -u_2x_{11} + x_{10}x_1 \\
p_{10} &= -x_{11}x_1 - u_2x_{10} + x_4x_1 + u_5u_2 \\
p_{11} &= -u_2x_{13} + x_{12}x_1 \\
p_{12} &= -x_{13}x_1 - u_2x_{12} + x_5x_1 + u_6u_2 \\
p_{13} &= -u_4x_{15} + x_{14}x_3 \\
p_{14} &= -x_{15}x_3 - u_4x_{14} + x_4x_3 + u_5u_4 \\
p_{15} &= -u_4x_{17} + x_{16}x_3 \\
p_{16} &= -x_{17}x_3 - u_4x_{16} + x_5x_3 + u_6u_4 \\
p_{17} &= 4u_2u_1^2x_{10}x_1 - 2u_2^3u_1x_{10} - 2u_2^2u_1x_4x_1 + u_2^4x_4 - u_5u_2^3x_1 \\
p_{18} &= 4u_2u_1^2x_{12}x_1 - 2u_2^3u_1x_{12} - 2u_2^2u_1x_5x_1 + u_2^4x_5 - u_6u_2^3x_1 \\
p_{19} &= 4u_3u_1^2x_6x_2 - 2u_3^3u_1x_6 - 2u_3^2u_1x_4x_2 + u_3^4x_4 - u_5u_3^3x_2 \\
p_{20} &= 4u_3u_1^2x_8x_2 - 2u_3^3u_1x_8 - 2u_3^2u_1x_5x_2 + u_3^4x_5 - u_6u_3^3x_2 \\
p_{21} &= 4u_4u_1^2x_{14}x_3 - 2u_4^3u_1x_{14} - 2u_4^2u_1x_4x_3 + u_4^4x_4 - u_5u_4^3x_3 \\
p_{22} &= 4u_4u_1^2x_{16}x_3 - 2u_4^3u_1x_{16} - 2u_4^2u_1x_5x_3 + u_4^4x_5 - u_6u_4^3x_3 \\
p_{23} &= -2u_1x_6x_2 + u_3x_4x_2 + u_5u_3^2 \\
p_{24} &= -2u_3^5u_1x_8x_4x_2 + u_3^7x_8x_4 - u_5u_3^6x_8x_2 + 2u_3^5u_1x_6x_5x_2 - \\
&\quad u_3^7x_6x_5 + u_6u_3^6x_6x_2 \\
p_{25} &= -2u_1x_8x_2 + u_3x_5x_2 + u_6u_3^2 \\
p_{26} &= -2u_1x_{10}x_1 + u_2x_4x_1 + u_5u_2^2 \\
p_{27} &= -2u_2^5u_1x_{12}x_4x_1 + u_2^7x_{12}x_4 - u_5u_2^6x_{12}x_1 + 2u_2^5u_1x_{10}x_5x_1 - \\
&\quad u_2^7x_{10}x_5 + u_6u_2^6x_{10}x_1 \\
p_{28} &= -2u_1x_{12}x_1 + u_2x_5x_1 + u_6u_2^2 \\
p_{29} &= -2u_1x_{14}x_3 + u_4x_4x_3 + u_5u_4^2 \\
p_{30} &= -2u_4^5u_1x_{16}x_4x_3 + u_4^7x_{16}x_4 - u_5u_4^6x_{16}x_3 + 2u_4^5u_1x_{14}x_5x_3 - \\
&\quad u_4^7x_{14}x_5 + u_6u_4^6x_{14}x_3 \\
p_{31} &= -2u_1x_{16}x_3 + u_4x_5x_3 + u_6u_4^2 \\
p_{32} &= 4u_2^6u_1^2x_{10} - 2u_2^7u_1x_4 + 2u_5u_2^6u_1x_1 - 4u_5u_2^6u_1^2 \\
p_{33} &= 4u_2^6u_1^2x_{12} - 2u_2^7u_1x_5 + 2u_6u_2^6u_1x_1 - 4u_6u_2^6u_1^2 \\
p_{34} &= -128u_2^{13}u_1^7x_{12}x_4 + 128u_2^{13}u_1^7x_{10}x_5 + 64u_5u_2^{13}u_1^6x_5x_1 - \\
&\quad 128u_5u_2^{13}u_1^7x_5 - 64u_6u_2^{13}u_1^6x_4x_1 + 128u_6u_2^{13}u_1^7x_4 \\
p_{35} &= 4u_3^6u_1^2x_6 - 2u_3^7u_1x_4 + 2u_5u_3^6u_1x_2 - 4u_5u_3^6u_1^2 \\
p_{36} &= 4u_3^6u_1^2x_8 - 2u_3^7u_1x_5 + 2u_6u_3^6u_1x_2 - 4u_6u_3^6u_1^2 \\
p_{37} &= -128u_3^{13}u_1^7x_8x_4 + 128u_3^{13}u_1^7x_6x_5 + 64u_5u_3^{13}u_1^6x_5x_2 - \\
&\quad 128u_5u_3^{13}u_1^7x_5 - 64u_6u_3^{13}u_1^6x_4x_2 + 128u_6u_3^{13}u_1^7x_4 \\
p_{38} &= 4u_4^6u_1^2x_{14} - 2u_4^7u_1x_4 + 2u_5u_4^6u_1x_3 - 4u_5u_4^6u_1^2 \\
p_{39} &= 4u_4^6u_1^2x_{16} - 2u_4^7u_1x_5 + 2u_6u_4^6u_1x_3 - 4u_6u_4^6u_1^2 \\
p_{40} &= -128u_4^{13}u_1^7x_{16}x_4 + 128u_4^{13}u_1^7x_{14}x_5 + 64u_5u_4^{13}u_1^6x_5x_3 -
\end{aligned}
$$

1. Creating S-polynomial from the pair (p_0, p_{107}).
   Forming S-pol of p_0 and p_{107}:
$$p_{1399} = (131072u_2^{31}u_1^{17} - 524288u_2^{29}u_1^{19} + 262144u_2^{29}u_1^{18})x_5x_4x_1+$$
$$(262144u_2^{31}u_1^{18} - 131072u_2^{31}u_1^{17})x_5x_4+$$
$$(131072u_5^2u_2^{29}u_1^{17} - 65536u_5^2u_2^{29}u_1^{16})x_5x_1^2-$$
$$65536u_5^2u_2^{31}u_1^{16}x_5x_1 - 131072u_6u_2^{30}u_1^{17}x_4x_1^2+$$
$$131072u_6u_2^{30}u_1^{17}x_4x_1 + 65536u_6u_5^2u_2^{30}u_1^{16}x_1^2-$$
$$65536u_6u_5^2u_2^{30}u_1^{16}x_1$$
   S-pol added.
2. Creating S-polynomial from the pair (p_0, p_{108}).
   Skipping pair p_0 and p_{108} because gcd of their leading monoms is zero.
3. Creating S-polynomial from the pair (p_0, p_{109}).
   Skipping pair p_0 and p_{109} because gcd of their leading monoms is zero.
4. Creating S-polynomial from the pair (p_0, p_{110}).
   Skipping pair p_0 and p_{110} because gcd of their leading monoms is zero.
5. Creating S-polynomial from the pair (p_0, p_{111}).
   Forming S-pol of p_0 and p_{111}:
$$p_{1400} = (65536u_2^{30}u_1^{16} - 262144u_2^{28}u_1^{18} + 131072u_2^{28}u_1^{17})x_5x_4x_1+$$
$$(131072u_2^{30}u_1^{17} - 65536u_2^{30}u_1^{16})x_5x_4+$$
$$(65536u_5^2u_2^{28}u_1^{16} - 32768u_5^2u_2^{28}u_1^{15})x_5x_1^2-$$
$$32768u_5^2u_2^{30}u_1^{15}x_5x_1 - 65536u_6u_2^{29}u_1^{16}x_4x_1^2+$$
$$65536u_6u_2^{29}u_1^{16}x_4x_1 + 32768u_6u_5^2u_2^{29}u_1^{15}x_1^2-$$
$$32768u_6u_5^2u_2^{29}u_1^{15}x_1$$
   S-pol added.
6. Creating S-polynomial from the pair (p_0, p_{112}).
   Skipping pair p_0 and p_{112} because gcd of their leading monoms is zero.
7. Creating S-polynomial from the pair (p_0, p_{113}).
   Forming S-pol of p_0 and p_{113}:
$$p_{1401} = (1048576u_2^{27}u_1^{19} - 262144u_2^{27}u_1^{18} - 2097152u_2^{25}u_1^{21}+$$
$$1048576u_2^{25}u_1^{20})x_5x_4x_1+$$
$$(-262144u_2^{29}u_1^{18} + 1048576u_2^{27}u_1^{20} - 524288u_2^{27}u_1^{19})x_5x_4+$$
$$(-524288u_6u_2^{26}u_1^{19} + 262144u_6u_2^{26}u_1^{18})x_4x_1^2+$$
$$262144u_6u_2^{28}u_1^{18}x_4x_1$$
   S-pol added.

8. Creating S-polynomial from the pair (p_0, p_{114}).

   Forming S-pol of p_0 and p_{114}:

$$p_{1402} = (524288u_2^{26}u_1^{18} - 131072u_2^{26}u_1^{17} - 1048576u_2^{24}u_1^{20} +$$
$$524288u_2^{24}u_1^{19})x_5x_4x_1 +$$
$$(-131072u_2^{28}u_1^{17} + 524288u_2^{26}u_1^{19} - 262144u_2^{26}u_1^{18})x_5x_4 +$$
$$(-262144u_6u_2^{25}u_1^{18} + 131072u_6u_2^{25}u_1^{17})x_4x_1^2 +$$
$$131072u_6u_2^{27}u_1^{17}x_4x_1$$

   S-pol added.

9. Creating S-polynomial from the pair (p_0, p_{115}).

   Skipping pair p_0 and p_{115} because gcd of their leading monoms is zero.

10. Creating S-polynomial from the pair (p_0, p_{116}).

    Skipping pair p_0 and p_{116} because gcd of their leading monoms is zero.

11. Creating S-polynomial from the pair (p_0, p_{117}).

    Skipping pair p_0 and p_{117} because gcd of their leading monoms is zero.

12. Creating S-polynomial from the pair (p_0, p_{118}).

    Skipping pair p_0 and p_{118} because gcd of their leading monoms is zero.

13. Creating S-polynomial from the pair (p_0, p_{119}).

    Skipping pair p_0 and p_{119} because gcd of their leading monoms is zero.

14. Creating S-polynomial from the pair (p_0, p_{120}).

    Skipping pair p_0 and p_{120} because gcd of their leading monoms is zero.

15. Creating S-polynomial from the pair (p_0, p_{121}).

    Forming S-pol of p_0 and p_{121}: Polynomial too big for output (text size is 1084 characters, number of terms is 8)

    S-pol added.

16. Creating S-polynomial from the pair (p_0, p_{122}).

    Skipping pair p_0 and p_{122} because gcd of their leading monoms is zero.

17. Creating S-polynomial from the pair (p_0, p_{123}).

    Skipping pair p_0 and p_{123} because gcd of their leading monoms is zero.

18. Creating S-polynomial from the pair (p_0, p_{124}).

    Skipping pair p_0 and p_{124} because gcd of their leading monoms is zero.

19. Creating S-polynomial from the pair (p_0, p_{125}).

    Skipping pair p_0 and p_{125} because gcd of their leading monoms is zero.

20. Creating S-polynomial from the pair (p_0, p_{126}).

    Forming S-pol of p_0 and p_{126}: Polynomial too big for output (text size is 1079 characters, number of terms is 8)

    S-pol added.

21. Creating S-polynomial from the pair (p_0, p_{127}).

    Skipping pair p_0 and p_{127} because gcd of their leading monoms is zero.

22. Creating S-polynomial from the pair (p_0, p_{128}).

    Skipping pair p_0 and p_{128} because gcd of their leading monoms is zero.

23. Creating S-polynomial from the pair (p_0, p_{129}).

    Skipping pair p_0 and p_{129} because gcd of their leading monoms is zero.

24. Creating S-polynomial from the pair (p_0, p_{130}).

    Forming S-pol of p_0 and p_{130}: Polynomial too big for output (text size is 2179 characters, number of terms is 8)

    S-pol added.

25. Creating S-polynomial from the pair (p_0, p_{131}).

    Forming S-pol of p_0 and p_{131}: Polynomial too big for output (text size is 1289 characters, number of terms is 8)

    S-pol added.

26. Creating S-polynomial from the pair (p_0, p_{132}).

    Forming S-pol of p_0 and p_{132}:

$$p_{1403} = (-268435456u_2^{45}u_1^{27} + 67108864u_2^{45}u_1^{26} + 536870912u_2^{43}u_1^{29} -$$
$$268435456u_2^{43}u_1^{28})x_5x_4x_1 +$$
$$(67108864u_2^{47}u_1^{26} - 268435456u_2^{45}u_1^{28} + 134217728u_2^{45}u_1^{27})x_5x_4 +$$
$$(33554432u_5^2u_2^{45}u_1^{25} - 134217728u_5^2u_2^{43}u_1^{27} +$$
$$67108864u_5^2u_2^{43}u_1^{26})x_5x_1^2 +$$
$$(67108864u_5^2u_2^{45}u_1^{26} - 33554432u_5^2u_2^{45}u_1^{25})x_5x_1 +$$
$$(134217728u_6u_2^{44}u_1^{27} - 67108864u_6u_2^{44}u_1^{26})x_4x_1^2 -$$
$$67108864u_6u_2^{46}u_1^{26}x_4x_1 +$$
$$(-67108864u_6u_5^2u_2^{44}u_1^{26} + 33554432u_6u_5^2u_2^{44}u_1^{25})x_1^2 +$$
$$33554432u_6u_5^2u_2^{46}u_1^{25}x_1$$

    S-pol added.

27. Creating S-polynomial from the pair (p_0, p_{133}).

    Forming S-pol of p_0 and p_{133}: Polynomial too big for output (text size is 1013 characters, number of terms is 8)

    S-pol added.

28. Creating S-polynomial from the pair (p_0, p_{134}).

    Forming S-pol of p_0 and p_{134}: Polynomial too big for output (text size is 1013 characters, number of terms is 8)

    S-pol added.

29. Creating S-polynomial from the pair (p_0, p_{135}).

    Forming S-pol of p_0 and p_{135}: Polynomial too big for output (text size is 1005 characters, number of terms is 8)

    S-pol added.

30. Creating S-polynomial from the pair (p_0, p_{136}).

    Forming S-pol of p_0 and p_{136}: Polynomial too big for output (text size is 1159 characters, number of terms is 8)

    S-pol added.

31. Creating S-polynomial from the pair (p_0, p_{137}).

    Forming S-pol of p_0 and p_{137}:

$$p_{1404} = (-33554432u_2^{43}u_1^{24} + 8388608u_2^{43}u_1^{23} + 67108864u_2^{41}u_1^{26} -$$
$$33554432u_2^{41}u_1^{25})x_5x_4x_1 +$$
$$(8388608u_2^{45}u_1^{23} - 33554432u_2^{43}u_1^{25} + 16777216u_2^{43}u_1^{24})x_5x_4 +$$
$$(4194304u_5^2u_2^{43}u_1^{22} - 16777216u_5^2u_2^{41}u_1^{24} +$$
$$8388608u_5^2u_2^{41}u_1^{23})x_5x_1^2 +$$
$$(8388608u_5^2u_2^{43}u_1^{23} - 4194304u_5^2u_2^{43}u_1^{22})x_5x_1 +$$
$$(16777216u_6u_2^{42}u_1^{24} - 8388608u_6u_2^{42}u_1^{23})x_4x_1^2 -$$
$$8388608u_6u_2^{44}u_1^{23}x_4x_1 +$$
$$(-8388608u_6u_5^2u_2^{42}u_1^{23} + 4194304u_6u_5^2u_2^{42}u_1^{22})x_1^2 +$$
$$4194304u_6u_5^2u_2^{44}u_1^{22}x_1$$

    S-pol added.

32. Creating S-polynomial from the pair (p_0, p_{138}).

    Forming S-pol of p_0 and p_{138}: Polynomial too big for output (text size is 1005 characters, number of terms is 8)

    S-pol added.

33. Creating S-polynomial from the pair (p_0, p_{139}).

    Forming S-pol of p_0 and p_{139}:

$$p_{1405} = (-131072u_2^{20}u_1^{16} + 32768u_2^{20}u_1^{15} + 262144u_2^{18}u_1^{18} -$$
$$131072u_2^{18}u_1^{17})x_5x_4x_1 +$$
$$(32768u_2^{22}u_1^{15} - 131072u_2^{20}u_1^{17} + 65536u_2^{20}u_1^{16})x_5x_4 +$$
$$(65536u_6u_2^{19}u_1^{16} - 32768u_6u_2^{19}u_1^{15})x_4x_1^2 - 32768u_6u_2^{21}u_1^{15}x_4x_1$$

    S-pol added.

34. Creating S-polynomial from the pair (p_0, p_{140}).

    Forming S-pol of p_0 and p_{140}:

$$p_{1406} = (-65536u_2^{19}u_1^{15} + 16384u_2^{19}u_1^{14} + 131072u_2^{17}u_1^{17} -$$
$$65536u_2^{17}u_1^{16})x_5x_4x_1 +$$
$$(16384u_2^{21}u_1^{14} - 65536u_2^{19}u_1^{16} + 32768u_2^{19}u_1^{15})x_5x_4 +$$
$$(32768u_6u_2^{18}u_1^{15} - 16384u_6u_2^{18}u_1^{14})x_4x_1^2 - 16384u_6u_2^{20}u_1^{14}x_4x_1$$

    S-pol added.

35. Creating S-polynomial from the pair (p_0, p_{141}).

    Skipping pair p_0 and p_{141} because gcd of their leading monoms is zero.

36. Creating S-polynomial from the pair (p_0, p_{142}).

    Skipping pair p_0 and p_{142} because gcd of their leading monoms is zero.

37. Creating S-polynomial from the pair (p_0, p_{143}).

    Forming S-pol of p_0 and p_{143}: Polynomial too big for output (text size is 1084 characters, number of terms is 8)

    S-pol added.

38. Creating S-polynomial from the pair (p_0, p_{144}).

    Skipping pair p_0 and p_{144} because gcd of their leading monoms is zero.

39. Creating S-polynomial from the pair (p_0, p_{145}).

    Skipping pair p_0 and p_{145} because gcd of their leading monoms is zero.

40. Creating S-polynomial from the pair (p_0, p_{146}).

    Skipping pair p_0 and p_{146} because gcd of their leading monoms is zero.

41. Creating S-polynomial from the pair (p_0, p_{147}).

    Forming S-pol of p_0 and p_{147}: Polynomial too big for output (text size is 1079 characters, number of terms is 8)

    S-pol added.

42. Creating S-polynomial from the pair (p_0, p_{148}).

    Skipping pair p_0 and p_{148} because gcd of their leading monoms is zero.

43. Creating S-polynomial from the pair (p_0, p_{149}).

    Skipping pair p_0 and p_{149} because gcd of their leading monoms is zero.

44. Creating S-polynomial from the pair (p_0, p_{150}).

    Skipping pair p_0 and p_{150} because gcd of their leading monoms is zero.

45. Creating S-polynomial from the pair (p_0, p_{151}).

    Skipping pair p_0 and p_{151} because gcd of their leading monoms is zero.

46. Creating S-polynomial from the pair (p_0, p_{152}).

    Forming S-pol of p_0 and p_{152}:

$$p_{1407} = (16384u_2^{25}u_1^{14} - 65536u_2^{23}u_1^{16} + 32768u_2^{23}u_1^{15})x_5x_4x_1 +$$
$$(32768u_2^{25}u_1^{15} - 16384u_2^{25}u_1^{14})x_5x_4 - 16384u_6u_2^{24}u_1^{14}x_4x_1^2 +$$
$$16384u_6u_2^{24}u_1^{14}x_4x_1$$

    S-pol added.

47. Creating S-polynomial from the pair (p_0, p_{153}).

    Forming S-pol of p_0 and p_{153}:

$$p_{1408} = (8192u_2^{24}u_1^{13} - 32768u_2^{22}u_1^{15} + 16384u_2^{22}u_1^{14})x_5x_4x_1 +$$
$$(16384u_2^{24}u_1^{14} - 8192u_2^{24}u_1^{13})x_5x_4 - 8192u_6u_2^{23}u_1^{13}x_4x_1^2 +$$
$$8192u_6u_2^{23}u_1^{13}x_4x_1$$

    S-pol added.

48. Creating S-polynomial from the pair (p_0, p_{154}).

    Forming S-pol of p_0 and p_{154}: Polynomial too big for output (text size is 2295 characters, number of terms is 8)

    S-pol added.

49. Creating S-polynomial from the pair (p_0, p_{155}).

    Forming S-pol of p_0 and p_{155}: Polynomial too big for output (text size is 1303 characters, number of terms is 8)

    S-pol added.

50. Creating S-polynomial from the pair (p_0, p_{156}).

    Forming S-pol of p_0 and p_{156}:

$$p_{1409} = (-1048576u_2^{32}u_1^{20} + 4194304u_2^{30}u_1^{22} - 2097152u_2^{30}u_1^{21})x_5x_4x_1 +$$
$$(-2097152u_2^{32}u_1^{21} + 1048576u_2^{32}u_1^{20})x_5x_4 +$$
$$(-1048576u_5^2u_2^{30}u_1^{20} + 524288u_5^2u_2^{30}u_1^{19})x_5x_1^2 +$$
$$524288u_5^2u_2^{32}u_1^{19}x_5x_1 + 1048576u_6u_2^{31}u_1^{20}x_4x_1^2 -$$
$$1048576u_6u_2^{31}u_1^{20}x_4x_1 - 524288u_6u_5^2u_2^{31}u_1^{19}x_1^2 +$$
$$524288u_6u_5^2u_2^{31}u_1^{19}x_1$$

    S-pol added.

51. Creating S-polynomial from the pair (p_0, p_{157}).

    Forming S-pol of p_0 and p_{157}:

$$p_{1410} = (17592186044416u_6u_3^{48}u_2^{62}u_1^{44} + 70368744177664u_3^{47}u_2^{62}u_1^{46} -$$
$$35184372088832u_3^{47}u_2^{62}u_1^{45})x_5x_4x_2x_1 +$$

$$(35184372088832u_6u_3^{47}u_2^{63}u_1^{45} - 17592186044416u_6u_3^{47}u_2^{63}u_1^{44})x_5x_4x_2+$$
$$17592186044416u_6u_3^{49}u_2^{61}u_1^{44}x_5x_4x_1^2+$$
$$(-35184372088832u_6u_3^{49}u_2^{61}u_1^{45} - 17592186044416u_6u_3^{48}u_2^{62}u_1^{44}-$$
$$35184372088832u_3^{49}u_2^{62}u_1^{45})x_5x_4x_1-$$
$$17592186044416u_6^2u_3^{48}u_2^{61}u_1^{44}x_4x_2x_1^2+$$
$$(35184372088832u_6^2u_3^{48}u_2^{61}u_1^{45} - 35184372088832u_6^2u_3^{47}u_2^{62}u_1^{45}+$$
$$17592186044416u_6^2u_3^{47}u_2^{62}u_1^{44})x_4x_2x_1+$$
$$17592186044416u_6^2u_3^{48}u_2^{61}u_1^{44}x_4x_1^2+$$
$$(17592186044416u_6^2u_3^{49}u_2^{62}u_1^{44} - 35184372088832u_6^2u_3^{48}u_2^{61}u_1^{45})x_4x_1$$

S-pol added.

52. Creating S-polynomial from the pair (p_0, p_{158}).

Forming S-pol of p_0 and p_{158}:

$$p_{1411} = (17592186044416u_6u_4^{48}u_2^{62}u_1^{44} + 70368744177664u_4^{47}u_2^{62}u_1^{46}-$$
$$35184372088832u_4^{47}u_2^{62}u_1^{45})x_5x_4x_3x_1+$$
$$(35184372088832u_6u_4^{47}u_2^{63}u_1^{45} - 17592186044416u_6u_4^{47}u_2^{63}u_1^{44})x_5x_4x_3+$$
$$17592186044416u_6u_4^{49}u_2^{61}u_1^{44}x_5x_4x_1^2+$$
$$(-35184372088832u_6u_4^{49}u_2^{61}u_1^{45} - 17592186044416u_6u_4^{48}u_2^{62}u_1^{44}-$$
$$35184372088832u_4^{49}u_2^{62}u_1^{45})x_5x_4x_1-$$
$$17592186044416u_6^2u_4^{48}u_2^{61}u_1^{44}x_4x_3x_1^2+$$
$$(35184372088832u_6^2u_4^{48}u_2^{61}u_1^{45} - 35184372088832u_6^2u_4^{47}u_2^{62}u_1^{45}+$$
$$17592186044416u_6^2u_4^{47}u_2^{62}u_1^{44})x_4x_3x_1+$$
$$17592186044416u_6^2u_4^{48}u_2^{61}u_1^{44}x_4x_1^2+$$
$$(17592186044416u_6^2u_4^{49}u_2^{62}u_1^{44} - 35184372088832u_6^2u_4^{48}u_2^{61}u_1^{45})x_4x_1$$

S-pol added.

53. Creating S-polynomial from the pair (p_0, p_{159}).

Forming S-pol of p_0 and p_{159}:

$$p_{1412} = (8796093022208u_6u_3^{47}u_2^{62}u_1^{43} + 35184372088832u_3^{46}u_2^{62}u_1^{45}-$$
$$17592186044416u_3^{46}u_2^{62}u_1^{44})x_5x_4x_2x_1+$$
$$(17592186044416u_6u_3^{46}u_2^{63}u_1^{44} - 8796093022208u_6u_3^{46}u_2^{63}u_1^{43})x_5x_4x_2+$$
$$8796093022208u_6u_3^{48}u_2^{61}u_1^{43}x_5x_4x_1^2+$$
$$(-17592186044416u_6u_3^{48}u_2^{61}u_1^{44} - 8796093022208u_6u_3^{47}u_2^{62}u_1^{43}-$$
$$17592186044416u_3^{48}u_2^{62}u_1^{44})x_5x_4x_1-$$
$$8796093022208u_6^2u_3^{47}u_2^{61}u_1^{43}x_4x_2x_1^2+$$

$$(17592186044416u_6^2u_3^{47}u_2^{61}u_1^{44} - 17592186044416u_6^2u_3^{46}u_2^{62}u_1^{44}+$$
$$8796093022208u_6^2u_3^{46}u_2^{62}u_1^{43})x_4x_2x_1+$$
$$8796093022208u_6^2u_3^{47}u_2^{61}u_1^{43}x_4x_1^2+$$
$$(8796093022208u_6^2u_3^{48}u_2^{62}u_1^{43} - 17592186044416u_6^2u_3^{47}u_2^{61}u_1^{44})x_4x_1$$

S-pol added.

54. Creating S-polynomial from the pair (p_0, p_{160}).

    Forming S-pol of p_0 and p_{160}: Polynomial too big for output (text size is 1347 characters, number of terms is 8)

    S-pol added.

55. Creating S-polynomial from the pair (p_0, p_{161}).

    Forming S-pol of p_0 and p_{161}:

$$p_{1413} = (-131072u_2^{25}u_1^{17} + 524288u_2^{23}u_1^{19} - 262144u_2^{23}u_1^{18})x_5x_4x_1+$$
$$(-262144u_2^{25}u_1^{18} + 131072u_2^{25}u_1^{17})x_5x_4+$$
$$(-131072u_5^2u_2^{23}u_1^{17} + 65536u_5^2u_2^{23}u_1^{16})x_5x_1^2+$$
$$65536u_5^2u_2^{25}u_1^{16}x_5x_1 + 131072u_6u_2^{24}u_1^{17}x_4x_1^2-$$
$$131072u_6u_2^{24}u_1^{17}x_4x_1 - 65536u_6u_5^2u_2^{24}u_1^{16}x_1^2+$$
$$65536u_6u_5^2u_2^{24}u_1^{16}x_1$$

S-pol added.

56. Creating S-polynomial from the pair (p_0, p_{162}).

    Forming S-pol of p_0 and p_{162}:

$$p_{1414} = (8796093022208u_6u_4^{47}u_2^{62}u_1^{43} + 35184372088832u_4^{46}u_2^{62}u_1^{45}-$$
$$17592186044416u_4^{46}u_2^{62}u_1^{44})x_5x_4x_3x_1+$$
$$(17592186044416u_6u_4^{46}u_2^{63}u_1^{44} - 8796093022208u_6u_4^{46}u_2^{63}u_1^{43})x_5x_4x_3+$$
$$8796093022208u_6u_4^{48}u_2^{61}u_1^{43}x_5x_4x_1^2+$$
$$(-17592186044416u_6u_4^{48}u_2^{61}u_1^{44} - 8796093022208u_6u_4^{47}u_2^{62}u_1^{43}-$$
$$17592186044416u_4^{48}u_2^{62}u_1^{44})x_5x_4x_1-$$
$$8796093022208u_6^2u_4^{47}u_2^{61}u_1^{43}x_4x_3x_1^2+$$
$$(17592186044416u_6^2u_4^{47}u_2^{61}u_1^{44} - 17592186044416u_6^2u_4^{46}u_2^{62}u_1^{44}+$$
$$8796093022208u_6^2u_4^{46}u_2^{62}u_1^{43})x_4x_3x_1+$$
$$8796093022208u_6^2u_4^{47}u_2^{61}u_1^{43}x_4x_1^2+$$
$$(8796093022208u_6^2u_4^{48}u_2^{62}u_1^{43} - 17592186044416u_6^2u_4^{47}u_2^{61}u_1^{44})x_4x_1$$

S-pol added.

57. Creating S-polynomial from the pair (p_0, p_{163}).

    Skipping pair p_0 and p_{163} because gcd of their leading monoms is zero.

58. Creating S-polynomial from the pair (p_0, p_{164}).

    Skipping pair p_0 and p_{164} because gcd of their leading monoms is zero.

59. Creating S-polynomial from the pair (p_0, p_{165}).

    Skipping pair p_0 and p_{165} because gcd of their leading monoms is zero.

60. Creating S-polynomial from the pair (p_0, p_{166}).

    Skipping pair p_0 and p_{166} because gcd of their leading monoms is zero.

61. Creating S-polynomial from the pair (p_0, p_{167}).

    Forming S-pol of p_0 and p_{167}: Polynomial too big for output (text size is 1137 characters, number of terms is 8)

    S-pol added.

62. Creating S-polynomial from the pair (p_0, p_{168}).

    Skipping pair p_0 and p_{168} because gcd of their leading monoms is zero.

63. Creating S-polynomial from the pair (p_0, p_{169}).

    Skipping pair p_0 and p_{169} because gcd of their leading monoms is zero.

64. Creating S-polynomial from the pair (p_0, p_{170}).

    Skipping pair p_0 and p_{170} because gcd of their leading monoms is zero.

65. Creating S-polynomial from the pair (p_0, p_{171}).

    Skipping pair p_0 and p_{171} because gcd of their leading monoms is zero.

66. Creating S-polynomial from the pair (p_0, p_{172}).

    Forming S-pol of p_0 and p_{172}: Polynomial too big for output (text size is 1134 characters, number of terms is 8)

    S-pol added.

67. Creating S-polynomial from the pair (p_0, p_{173}).

    Skipping pair p_0 and p_{173} because gcd of their leading monoms is zero.

68. Creating S-polynomial from the pair (p_0, p_{174}).

    Skipping pair p_0 and p_{174} because gcd of their leading monoms is zero.

69. Creating S-polynomial from the pair (p_0, p_{175}).

    Skipping pair p_0 and p_{175} because gcd of their leading monoms is zero.

70. Creating S-polynomial from the pair (p_0, p_{176}).

    Skipping pair p_0 and p_{176} because gcd of their leading monoms is zero.

71. Creating S-polynomial from the pair (p_0, p_{177}).

    Skipping pair p_0 and p_{177} because gcd of their leading monoms is zero.

72. Creating S-polynomial from the pair (p_0, p_{178}).

    Forming S-pol of p_0 and p_{178}: Polynomial too big for output (text size is 1137 characters, number of terms is 8)

    S-pol added.

73. Creating S-polynomial from the pair (p_0, p_{179}).

    Skipping pair p_0 and p_{179} because gcd of their leading monoms is zero.

74. Creating S-polynomial from the pair (p_0, p_{180}).

    Skipping pair p_0 and p_{180} because gcd of their leading monoms is zero.

75. Creating S-polynomial from the pair (p_0, p_{181}).

    Skipping pair p_0 and p_{181} because gcd of their leading monoms is zero.

76. Creating S-polynomial from the pair (p_0, p_{182}).

    Forming S-pol of p_0 and p_{182}: Polynomial too big for output (text size is 1134 characters, number of terms is 8)

    S-pol added.

77. Creating S-polynomial from the pair (p_0, p_{183}).

    Skipping pair p_0 and p_{183} because gcd of their leading monoms is zero.

78. Creating S-polynomial from the pair (p_0, p_{184}).

    Skipping pair p_0 and p_{184} because gcd of their leading monoms is zero.

79. Creating S-polynomial from the pair (p_0, p_{185}).

    Skipping pair p_0 and p_{185} because gcd of their leading monoms is zero.

80. Creating S-polynomial from the pair (p_0, p_{186}).

    Skipping pair p_0 and p_{186} because gcd of their leading monoms is zero.

81. Creating S-polynomial from the pair (p_0, p_{187}).

    Forming S-pol of p_0 and p_{187}: Polynomial too big for output (text size is 1236 characters, number of terms is 8)

    S-pol added.

82. Creating S-polynomial from the pair (p_0, p_{188}).

    Skipping pair p_0 and p_{188} because gcd of their leading monoms is zero.

83. Creating S-polynomial from the pair (p_0, p_{189}).

    Skipping pair p_0 and p_{189} because gcd of their leading monoms is zero.

84. Creating S-polynomial from the pair (p_0, p_{190}).

    Skipping pair p_0 and p_{190} because gcd of their leading monoms is zero.

85. Creating S-polynomial from the pair (p_0, p_{191}).

    Skipping pair p_0 and p_{191} because gcd of their leading monoms is zero.

86. Creating S-polynomial from the pair (p_0, p_{192}).

    Forming S-pol of p_0 and p_{192}: Polynomial too big for output (text size is 1228 characters, number of terms is 8)

    S-pol added.

87. Creating S-polynomial from the pair (p_0, p_{193}).

    Skipping pair p_0 and p_{193} because gcd of their leading monoms is zero.

88. Creating S-polynomial from the pair (p_0, p_{194}).

    Forming S-pol of p_0 and p_{194}: Polynomial too big for output (text size is 2401 characters, number of terms is 8)

    S-pol added.

89. Creating S-polynomial from the pair (p_0, p_{195}).

    Forming S-pol of p_0 and p_{195}: Polynomial too big for output (text size is 1391 characters, number of terms is 8)

    S-pol added.

90. Creating S-polynomial from the pair (p_0, p_{196}).

    Forming S-pol of p_0 and p_{196}:

$$p_{1415} = (16777216u_5u_2^{43}u_1^{24} - 67108864u_5u_2^{41}u_1^{26} + 33554432u_5u_2^{41}u_1^{25})x_5x_4x_1 +$$
$$(33554432u_5u_2^{43}u_1^{25} - 16777216u_5u_2^{43}u_1^{24})x_5x_4 +$$
$$(16777216u_5^3u_2^{41}u_1^{24} - 8388608u_5^3u_2^{41}u_1^{23})x_5x_1^2 -$$
$$8388608u_5^3u_2^{43}u_1^{23}x_5x_1 - 16777216u_6u_5u_2^{42}u_1^{24}x_4x_1^2 +$$
$$16777216u_6u_5u_2^{42}u_1^{24}x_4x_1 + 8388608u_6u_5^3u_2^{42}u_1^{23}x_1^2 -$$
$$8388608u_6u_5^3u_2^{42}u_1^{23}x_1$$

    S-pol added.

91. Creating S-polynomial from the pair (p_0, p_{197}).

    Forming S-pol of p_0 and p_{197}: Polynomial too big for output (text size is 1034 characters, number of terms is 8)

    S-pol added.

92. Creating S-polynomial from the pair (p_0, p_{198}).

    Forming S-pol of p_0 and p_{198}: Polynomial too big for output (text size is 1034 characters, number of terms is 8)

    S-pol added.

93. Creating S-polynomial from the pair (p_0, p_{199}).

    Forming S-pol of p_0 and p_{199}: Polynomial too big for output (text size is 1026 characters, number of terms is 8)

    S-pol added.

94. Creating S-polynomial from the pair (p_0, p_{200}).

    Forming S-pol of p_0 and p_{200}: Polynomial too big for output (text size is 1389 characters, number of terms is 8)

    S-pol added.

95. Creating S-polynomial from the pair (p_0, p_{201}).

    Forming S-pol of p_0 and p_{201}:

$$p_{1416} = (8388608u_5u_2^{42}u_1^{23} - 33554432u_5u_2^{40}u_1^{25} + 16777216u_5u_2^{40}u_1^{24})x_5x_4x_1 +$$
$$(16777216u_5u_2^{42}u_1^{24} - 8388608u_5u_2^{42}u_1^{23})x_5x_4 +$$
$$(8388608u_5^3u_2^{40}u_1^{23} - 4194304u_5^3u_2^{40}u_1^{22})x_5x_1^2 -$$
$$4194304u_5^3u_2^{42}u_1^{22}x_5x_1 - 8388608u_6u_5u_2^{41}u_1^{23}x_4x_1^2 +$$
$$8388608u_6u_5u_2^{41}u_1^{23}x_4x_1 + 4194304u_6u_5^3u_2^{41}u_1^{22}x_1^2 -$$
$$4194304u_6u_5^3u_2^{41}u_1^{22}x_1$$

    S-pol added.

96. Creating S-polynomial from the pair (p_0, p_{202}).

    Forming S-pol of p_0 and p_{202}: Polynomial too big for output (text size is 1026 characters, number of terms is 8)

    S-pol added.

97. Creating S-polynomial from the pair (p_0, p_{203}).

    Skipping pair p_0 and p_{203} because gcd of their leading monoms is zero.

98. Creating S-polynomial from the pair (p_0, p_{204}).

    Skipping pair p_0 and p_{204} because gcd of their leading monoms is zero.

99. Creating S-polynomial from the pair (p_0, p_{205}).

    Forming S-pol of p_0 and p_{205}: Polynomial too big for output (text size is 1236 characters, number of terms is 8)

    S-pol added.

100. Creating S-polynomial from the pair (p_0, p_{206}).

    Skipping pair p_0 and p_{206} because gcd of their leading monoms is zero.

101. Creating S-polynomial from the pair (p_0, p_{207}).

    Skipping pair p_0 and p_{207} because gcd of their leading monoms is zero.

102. Creating S-polynomial from the pair (p_0, p_{208}).

    Skipping pair p_0 and p_{208} because gcd of their leading monoms is zero.

103. Creating S-polynomial from the pair (p_0, p_{209}).

    Forming S-pol of p_0 and p_{209}: Polynomial too big for output (text size is 1228 characters, number of terms is 8)

    S-pol added.

104. Creating S-polynomial from the pair (p_0, p_{210}).

    Skipping pair p_0 and p_{210} because gcd of their leading monoms is zero.

105. Creating S-polynomial from the pair (p_0, p_{211}).

    Skipping pair p_0 and p_{211} because gcd of their leading monoms is zero.

106. Creating S-polynomial from the pair (p_0, p_{212}).

Skipping pair p_0 and p_{212} because gcd of their leading monoms is zero.

107. Creating S-polynomial from the pair (p_0, p_{213}).

Skipping pair p_0 and p_{213} because gcd of their leading monoms is zero.

108. Creating S-polynomial from the pair (p_0, p_{214}).

Forming S-pol of p_0 and p_{214}: Polynomial too big for output (text size is 10898 characters, number of terms is 16)

S-pol added.

109. Creating S-polynomial from the pair (p_0, p_{215}).

Skipping pair p_0 and p_{215} because gcd of their leading monoms is zero.

110. Creating S-polynomial from the pair (p_0, p_{216}).

Skipping pair p_0 and p_{216} because gcd of their leading monoms is zero.

111. Creating S-polynomial from the pair (p_0, p_{217}).

Skipping pair p_0 and p_{217} because gcd of their leading monoms is zero.

112. Creating S-polynomial from the pair (p_0, p_{218}).

Skipping pair p_0 and p_{218} because gcd of their leading monoms is zero.

113. Creating S-polynomial from the pair (p_0, p_{219}).

Forming S-pol of p_0 and p_{219}: Polynomial too big for output (text size is 10847 characters, number of terms is 16)

S-pol added.

114. Creating S-polynomial from the pair (p_0, p_{220}).

Skipping pair p_0 and p_{220} because gcd of their leading monoms is zero.

115. Creating S-polynomial from the pair (p_0, p_{221}).

Skipping pair p_0 and p_{221} because gcd of their leading monoms is zero.

116. Creating S-polynomial from the pair (p_0, p_{222}).

Skipping pair p_0 and p_{222} because gcd of their leading monoms is zero.

117. Creating S-polynomial from the pair (p_0, p_{223}).

Skipping pair p_0 and p_{223} because gcd of their leading monoms is zero.

118. Creating S-polynomial from the pair (p_0, p_{224}).

Skipping pair p_0 and p_{224} because gcd of their leading monoms is zero.

119. Creating S-polynomial from the pair (p_0, p_{225}).

Skipping pair p_0 and p_{225} because gcd of their leading monoms is zero.

120. Creating S-polynomial from the pair (p_0, p_{226}).

Skipping pair p_0 and p_{226} because gcd of their leading monoms is zero.

121. Creating S-polynomial from the pair (p_0, p_{227}).

Skipping pair p_0 and p_{227} because gcd of their leading monoms is zero.

122. Creating S-polynomial from the pair (p_0, p_{228}).

Skipping pair p_0 and p_{228} because gcd of their leading monoms is zero.

123. Creating S-polynomial from the pair (p_0, p_{229}).

Forming S-pol of p_0 and p_{229}: Polynomial too big for output (text size is 5418 characters, number of terms is 8)

S-pol added.

124. Creating S-polynomial from the pair (p_0, p_{230}).

Skipping pair p_0 and p_{230} because gcd of their leading monoms is zero.

125. Creating S-polynomial from the pair (p_0, p_{231}).

Skipping pair p_0 and p_{231} because gcd of their leading monoms is zero.

126. Creating S-polynomial from the pair (p_0, p_{232}).

Skipping pair p_0 and p_{232} because gcd of their leading monoms is zero.

127. Creating S-polynomial from the pair (p_0, p_{233}).

Skipping pair p_0 and p_{233} because gcd of their leading monoms is zero.

128. Creating S-polynomial from the pair (p_0, p_{234}).

Forming S-pol of p_0 and p_{234}: Polynomial too big for output (text size is 5394 characters, number of terms is 8)

S-pol added.

129. Creating S-polynomial from the pair (p_0, p_{235}).

Skipping pair p_0 and p_{235} because gcd of their leading monoms is zero.

130. Creating S-polynomial from the pair (p_0, p_{236}).

Skipping pair p_0 and p_{236} because gcd of their leading monoms is zero.

131. Creating S-polynomial from the pair (p_0, p_{237}).

Skipping pair p_0 and p_{237} because gcd of their leading monoms is zero.

132. Creating S-polynomial from the pair (p_0, p_{238}).

Forming S-pol of p_0 and p_{238}: Polynomial too big for output (text size is 1409 characters, number of terms is 8)

S-pol added.

133. Creating S-polynomial from the pair (p_0, p_{239}).

Forming S-pol of p_0 and p_{239}: Polynomial too big for output (text size is 1400 characters, number of terms is 8)

S-pol added.

134. Creating S-polynomial from the pair (p_0, p_{240}).

Forming S-pol of p_0 and p_{240}: Polynomial too big for output (text size is 4432 characters, number of terms is 8)

S-pol added.

135. Creating S-polynomial from the pair (p_0, p_{241}).

Forming S-pol of p_0 and p_{241}: Polynomial too big for output (text size is 9304 characters, number of terms is 16)

S-pol added.

136. Creating S-polynomial from the pair (p_0, p_{242}).

Forming S-pol of p_0 and p_{242}: Polynomial too big for output (text size is 9304 characters, number of terms is 16)

S-pol added.

137. Creating S-polynomial from the pair (p_0, p_{243}).

Forming S-pol of p_0 and p_{243}: Polynomial too big for output (text size is 9277 characters, number of terms is 16)

S-pol added.

138. Creating S-polynomial from the pair (p_0, p_{244}).

Forming S-pol of p_0 and p_{244}: Polynomial too big for output (text size is 2404 characters, number of terms is 8)

S-pol added.

139. Creating S-polynomial from the pair (p_0, p_{245}).

Forming S-pol of p_0 and p_{245}: Polynomial too big for output (text size is 3443 characters, number of terms is 8)

S-pol added.

140. Creating S-polynomial from the pair (p_0, p_{246}).

Forming S-pol of p_0 and p_{246}: Polynomial too big for output (text size is 9277 characters, number of terms is 16)

S-pol added.

141. Creating S-polynomial from the pair (p_0, p_{247}).

Forming S-pol of p_0 and p_{247}:

$$p_{1417} = (-536870912u_5u_2^{45}u_1^{29} + 268435456u_5u_2^{45}u_1^{28} + 536870912u_2^{46}u_1^{29} -$$
$$2147483648u_2^{44}u_1^{31} + 1073741824u_2^{44}u_1^{30})x_5x_4x_1 +$$
$$(268435456u_5u_2^{47}u_1^{28} + 1073741824u_2^{46}u_1^{30} - 536870912u_2^{46}u_1^{29})x_5x_4 +$$
$$(536870912u_5^2u_2^{44}u_1^{29} - 268435456u_5^2u_2^{44}u_1^{28})x_5x_1^2 -$$
$$268435456u_5^2u_2^{46}u_1^{28}x_5x_1 +$$
$$(-268435456u_6u_5u_2^{44}u_1^{28} - 536870912u_6u_2^{45}u_1^{29})x_4x_1^2 +$$

$$(-268435456u_6u_5u_2^{46}u_1^{28} + 536870912u_6u_5u_2^{44}u_1^{29} +$$
$$536870912u_6u_2^{45}u_1^{29})x_4x_1 + 268435456u_6u_5^2u_2^{45}u_1^{28}x_1^2 -$$
$$268435456u_6u_5^2u_2^{45}u_1^{28}x_1$$

S-pol added.

142. Creating S-polynomial from the pair (p_0, p_{248}).

Forming S-pol of p_0 and p_{248}:

$$p_{1418} = (-1073741824u_5u_2^{50}u_1^{30} + 536870912u_5u_2^{50}u_1^{29} + 1073741824u_2^{51}u_1^{30} -$$
$$4294967296u_2^{49}u_1^{32} + 2147483648u_2^{49}u_1^{31})x_5x_4x_1 +$$
$$(536870912u_5u_2^{52}u_1^{29} + 2147483648u_2^{51}u_1^{31} - 1073741824u_2^{51}u_1^{30})x_5x_4 +$$
$$(1073741824u_5^2u_2^{49}u_1^{30} - 536870912u_5^2u_2^{49}u_1^{29})x_5x_1^2 -$$
$$536870912u_5^2u_2^{51}u_1^{29}x_5x_1 +$$
$$(-536870912u_6u_5u_2^{49}u_1^{29} - 1073741824u_6u_2^{50}u_1^{30})x_4x_1^2 +$$
$$(-536870912u_6u_5u_2^{51}u_1^{29} + 1073741824u_6u_5u_2^{49}u_1^{30} +$$
$$1073741824u_6u_2^{50}u_1^{30})x_4x_1 + 536870912u_6u_5^2u_2^{50}u_1^{29}x_1^2 -$$
$$536870912u_6u_5^2u_2^{50}u_1^{29}x_1$$

S-pol added.

143. Creating S-polynomial from the pair (p_0, p_{249}).

Forming S-pol of p_0 and p_{249}: Polynomial too big for output (text size is 1389 characters, number of terms is 8)

S-pol added.

144. Creating S-polynomial from the pair (p_0, p_{250}).

Forming S-pol of p_0 and p_{250}: Polynomial too big for output (text size is 1383 characters, number of terms is 8)

S-pol added.

145. Creating S-polynomial from the pair (p_0, p_{251}).

Forming S-pol of p_0 and p_{251}:

$$p_{1419} = (33554432u_6u_2^{43}u_1^{24} - 16777216u_6u_2^{43}u_1^{23} + 134217728u_6u_2^{41}u_1^{26} -$$
$$67108864u_6u_2^{41}u_1^{25} - 16777216u_2^{44}u_1^{24} - 33554432u_2^{42}u_1^{25} +$$
$$268435456u_2^{40}u_1^{28} - 134217728u_2^{40}u_1^{27})x_5x_4x_1 +$$
$$(-16777216u_6u_2^{45}u_1^{23} - 67108864u_6u_2^{43}u_1^{25} - 33554432u_2^{44}u_1^{25} +$$
$$16777216u_2^{44}u_1^{24} - 134217728u_2^{42}u_1^{27} + 67108864u_2^{42}u_1^{26})x_5x_4 +$$
$$(-16777216u_6^2u_2^{42}u_1^{24} + 16777216u_6^2u_2^{42}u_1^{23} - 67108864u_6^2u_2^{40}u_1^{26} +$$
$$67108864u_6^2u_2^{40}u_1^{25})x_4x_1^2 +$$
$$(16777216u_6^2u_2^{44}u_1^{23} + 67108864u_6^2u_2^{42}u_1^{25} - 16777216u_6^2u_2^{42}u_1^{24} -$$
$$67108864u_6^2u_2^{40}u_1^{26})x_4x_1$$

S-pol added.

146. Creating S-polynomial from the pair (p_0, p_{252}).

Forming S-pol of p_0 and p_{252}:

$$p_{1420} = (16777216u_6u_2^{42}u_1^{23} - 8388608u_6u_2^{42}u_1^{22} + 67108864u_6u_2^{40}u_1^{25} - 33554432u_6u_2^{40}u_1^{24} - 8388608u_2^{43}u_1^{23} - 16777216u_2^{41}u_1^{24} + 134217728u_2^{39}u_1^{27} - 67108864u_2^{39}u_1^{26})x_5x_4x_1 + (-8388608u_6u_2^{44}u_1^{22} - 33554432u_6u_2^{42}u_1^{24} - 16777216u_2^{43}u_1^{24} + 8388608u_2^{43}u_1^{23} - 67108864u_2^{41}u_1^{26} + 33554432u_2^{41}u_1^{25})x_5x_4 + (-8388608u_6^2u_2^{41}u_1^{23} + 8388608u_6^2u_2^{41}u_1^{22} - 33554432u_6^2u_2^{39}u_1^{25} + 33554432u_6^2u_2^{39}u_1^{24})x_4x_1^2 + (8388608u_6^2u_2^{43}u_1^{22} + 33554432u_6^2u_2^{41}u_1^{24} - 8388608u_6^2u_2^{41}u_1^{23} - 33554432u_6^2u_2^{39}u_1^{25})x_4x_1$$

S-pol added.

147. Creating S-polynomial from the pair (p_0, p_{253}).

Forming S-pol of p_0 and p_{253}:

$$p_{1421} = (-536870912u_5u_2^{45}u_1^{29} + 268435456u_5u_2^{45}u_1^{28} + 536870912u_2^{46}u_1^{29} - 2147483648u_2^{44}u_1^{31} + 1073741824u_2^{44}u_1^{30})x_5x_4x_1 + (268435456u_5u_2^{47}u_1^{28} + 1073741824u_2^{46}u_1^{30} - 536870912u_2^{46}u_1^{29})x_5x_4 + (536870912u_5^2u_2^{44}u_1^{29} - 268435456u_5^2u_2^{44}u_1^{28})x_5x_1^2 - 268435456u_5^2u_2^{46}u_1^{28}x_5x_1 + (-268435456u_6u_5u_2^{44}u_1^{28} - 536870912u_6u_2^{45}u_1^{29})x_4x_1^2 + (-268435456u_6u_5u_2^{46}u_1^{28} + 536870912u_6u_5u_2^{44}u_1^{29} + 536870912u_6u_2^{45}u_1^{29})x_4x_1 + 268435456u_6u_5^2u_2^{45}u_1^{28}x_1^2 - 268435456u_6u_5^2u_2^{45}u_1^{28}x_1$$

S-pol added.

148. Creating S-polynomial from the pair (p_0, p_{254}).

Forming S-pol of p_0 and p_{254}:

$$p_{1422} = (-268435456u_5u_2^{44}u_1^{28} + 134217728u_5u_2^{44}u_1^{27} + 268435456u_2^{45}u_1^{28} - 1073741824u_2^{43}u_1^{30} + 536870912u_2^{43}u_1^{29})x_5x_4x_1 + (134217728u_5u_2^{46}u_1^{27} + 536870912u_2^{45}u_1^{29} - 268435456u_2^{45}u_1^{28})x_5x_4 + (268435456u_5^2u_2^{43}u_1^{28} - 134217728u_5^2u_2^{43}u_1^{27})x_5x_1^2 - 134217728u_5^2u_2^{45}u_1^{27}x_5x_1 + (-134217728u_6u_5u_2^{43}u_1^{27} - 268435456u_6u_2^{44}u_1^{28})x_4x_1^2 + (-134217728u_6u_5u_2^{45}u_1^{27} + 268435456u_6u_5u_2^{43}u_1^{28} + 268435456u_6u_2^{44}u_1^{28})x_4x_1 + 134217728u_6u_5^2u_2^{44}u_1^{27}x_1^2 - 134217728u_6u_5^2u_2^{44}u_1^{27}x_1$$

S-pol added.

149. Creating S-polynomial from the pair (p_0, p_{255}).

Forming S-pol of p_0 and p_{255}: Polynomial too big for output (text size is 2588 characters, number of terms is 8)

S-pol added.

150. Creating S-polynomial from the pair (p_0, p_{256}).

Forming S-pol of p_0 and p_{256}: Polynomial too big for output (text size is 4565 characters, number of terms is 8)

S-pol added.

151. Creating S-polynomial from the pair (p_0, p_{257}).

Forming S-pol of p_0 and p_{257}: Polynomial too big for output (text size is 4565 characters, number of terms is 8)

S-pol added.

152. Creating S-polynomial from the pair (p_0, p_{258}).

Forming S-pol of p_0 and p_{258}: Polynomial too big for output (text size is 4548 characters, number of terms is 8)

S-pol added.

153. Creating S-polynomial from the pair (p_0, p_{259}).

Forming S-pol of p_0 and p_{259}: Polynomial too big for output (text size is 1315 characters, number of terms is 8)

S-pol added.

154. Creating S-polynomial from the pair (p_0, p_{260}).

Forming S-pol of p_0 and p_{260}: Polynomial too big for output (text size is 1905 characters, number of terms is 8)

S-pol added.

155. Creating S-polynomial from the pair (p_0, p_{261}).

Forming S-pol of p_0 and p_{261}: Polynomial too big for output (text size is 4548 characters, number of terms is 8)

S-pol added.

156. Creating S-polynomial from the pair (p_0, p_{262}).

Forming S-pol of p_0 and p_{262}:

$$p_{1423} = (-16777216u_6u_2^{37}u_1^{23} + 8388608u_6u_2^{37}u_1^{22} + 8388608u_2^{38}u_1^{23} -$$
$$33554432u_2^{36}u_1^{25} + 16777216u_2^{36}u_1^{24})x_5x_4x_1 +$$
$$(8388608u_6u_2^{39}u_1^{22} + 16777216u_2^{38}u_1^{24} - 8388608u_2^{38}u_1^{23})x_5x_4 +$$
$$(8388608u_6^2u_2^{36}u_1^{23} - 8388608u_6^2u_2^{36}u_1^{22})x_4x_1^2 +$$
$$(-8388608u_6^2u_2^{38}u_1^{22} + 8388608u_6^2u_2^{36}u_1^{23})x_4x_1$$

S-pol added.

157. Creating S-polynomial from the pair (p_0, p_{263}).

Forming S-pol of p_0 and p_{263}:

$$p_{1424} = (-8388608u_6u_2^{36}u_1^{22} + 4194304u_6u_2^{36}u_1^{21} + 4194304u_2^{37}u_1^{22} - 16777216u_2^{35}u_1^{24} + 8388608u_2^{35}u_1^{23})x_5x_4x_1 + (4194304u_6u_2^{38}u_1^{21} + 8388608u_2^{37}u_1^{23} - 4194304u_2^{37}u_1^{22})x_5x_4 + (4194304u_6^2u_2^{35}u_1^{22} - 4194304u_6^2u_2^{35}u_1^{21})x_4x_1^2 + (-4194304u_6^2u_2^{37}u_1^{21} + 4194304u_6^2u_2^{35}u_1^{22})x_4x_1$$

S-pol added.

158. Creating S-polynomial from the pair (p_0, p_{264}).

Skipping pair p_0 and p_{264} because gcd of their leading monoms is zero.

159. Creating S-polynomial from the pair (p_0, p_{265}).

Skipping pair p_0 and p_{265} because gcd of their leading monoms is zero.

160. Creating S-polynomial from the pair (p_0, p_{266}).

Forming S-pol of p_0 and p_{266}: Polynomial too big for output (text size is 10898 characters, number of terms is 16)

S-pol added.

161. Creating S-polynomial from the pair (p_0, p_{267}).

Skipping pair p_0 and p_{267} because gcd of their leading monoms is zero.

162. Creating S-polynomial from the pair (p_0, p_{268}).

Skipping pair p_0 and p_{268} because gcd of their leading monoms is zero.

163. Creating S-polynomial from the pair (p_0, p_{269}).

Skipping pair p_0 and p_{269} because gcd of their leading monoms is zero.

164. Creating S-polynomial from the pair (p_0, p_{270}).

Forming S-pol of p_0 and p_{270}: Polynomial too big for output (text size is 10847 characters, number of terms is 16)

S-pol added.

165. Creating S-polynomial from the pair (p_0, p_{271}).

Skipping pair p_0 and p_{271} because gcd of their leading monoms is zero.

166. Creating S-polynomial from the pair (p_0, p_{272}).

Skipping pair p_0 and p_{272} because gcd of their leading monoms is zero.

167. Creating S-polynomial from the pair (p_0, p_{273}).

Skipping pair p_0 and p_{273} because gcd of their leading monoms is zero.

168. Creating S-polynomial from the pair (p_0, p_{274}).

Skipping pair p_0 and p_{274} because gcd of their leading monoms is zero.

169. Creating S-polynomial from the pair (p_0, p_{275}).

Skipping pair p_0 and p_{275} because gcd of their leading monoms is zero.

170. Creating S-polynomial from the pair (p_0, p_{276}).

Skipping pair p_0 and p_{276} because gcd of their leading monoms is zero.

171. Creating S-polynomial from the pair (p_0, p_{277}).

Skipping pair p_0 and p_{277} because gcd of their leading monoms is zero.

172. Creating S-polynomial from the pair (p_0, p_{278}).

Skipping pair p_0 and p_{278} because gcd of their leading monoms is zero.

173. Creating S-polynomial from the pair (p_0, p_{279}).

Skipping pair p_0 and p_{279} because gcd of their leading monoms is zero.

174. Creating S-polynomial from the pair (p_0, p_{280}).

Skipping pair p_0 and p_{280} because gcd of their leading monoms is zero.

175. Creating S-polynomial from the pair (p_0, p_{281}).

Forming S-pol of p_0 and p_{281}: Polynomial too big for output (text size is 5418 characters, number of terms is 8)

S-pol added.

176. Creating S-polynomial from the pair (p_0, p_{282}).

Skipping pair p_0 and p_{282} because gcd of their leading monoms is zero.

177. Creating S-polynomial from the pair (p_0, p_{283}).

Skipping pair p_0 and p_{283} because gcd of their leading monoms is zero.

178. Creating S-polynomial from the pair (p_0, p_{284}).

Skipping pair p_0 and p_{284} because gcd of their leading monoms is zero.

179. Creating S-polynomial from the pair (p_0, p_{285}).

Forming S-pol of p_0 and p_{285}: Polynomial too big for output (text size is 5394 characters, number of terms is 8)

S-pol added.

180. Creating S-polynomial from the pair (p_0, p_{286}).

Skipping pair p_0 and p_{286} because gcd of their leading monoms is zero.

181. Creating S-polynomial from the pair (p_0, p_{287}).

Skipping pair p_0 and p_{287} because gcd of their leading monoms is zero.

182. Creating S-polynomial from the pair (p_0, p_{288}).

Skipping pair p_0 and p_{288} because gcd of their leading monoms is zero.

183. Creating S-polynomial from the pair (p_0, p_{289}).

Skipping pair p_0 and p_{289} because gcd of their leading monoms is zero.

184. Creating S-polynomial from the pair (p_0, p_{290}).
Forming S-pol of p_0 and p_{290}:

$$p_{1425} = (-8388608u_5u_2^{35}u_1^{23}+33554432u_5u_2^{33}u_1^{25}-16777216u_5u_2^{33}u_1^{24})x_5x_4x_1+$$
$$(-16777216u_5u_2^{35}u_1^{24} + 8388608u_5u_2^{35}u_1^{23})x_5x_4+$$
$$8388608u_6u_5u_2^{34}u_1^{23}x_4x_1^2 - 8388608u_6u_5u_2^{34}u_1^{23}x_4x_1$$

S-pol added.

185. Creating S-polynomial from the pair (p_0, p_{291}).
Forming S-pol of p_0 and p_{291}:

$$p_{1426} = (-4194304u_5u_2^{34}u_1^{22}+16777216u_5u_2^{32}u_1^{24}-8388608u_5u_2^{32}u_1^{23})x_5x_4x_1+$$
$$(-8388608u_5u_2^{34}u_1^{23} + 4194304u_5u_2^{34}u_1^{22})x_5x_4+$$
$$4194304u_6u_5u_2^{33}u_1^{22}x_4x_1^2 - 4194304u_6u_5u_2^{33}u_1^{22}x_4x_1$$

S-pol added.

186. Creating S-polynomial from the pair (p_0, p_{292}).
Forming S-pol of p_0 and p_{292}:

$$p_{1427} = (-140737488355328u_5^2u_2^{75}u_1^{47} + 70368744177664u_5^2u_2^{75}u_1^{46}+$$
$$140737488355328u_5u_2^{76}u_1^{47} - 562949953421312u_5u_2^{74}u_1^{49}+$$
$$281474976710656u_5u_2^{74}u_1^{48})x_5x_4x_1+$$
$$(70368744177664u_5^2u_2^{77}u_1^{46} + 281474976710656u_5u_2^{76}u_1^{48}-$$
$$140737488355328u_5u_2^{76}u_1^{47})x_5x_4+$$
$$(140737488355328u_5^3u_2^{74}u_1^{47} - 70368744177664u_5^3u_2^{74}u_1^{46})x_5x_1^2-$$
$$70368744177664u_5^3u_2^{76}u_1^{46}x_5x_1+$$
$$(-70368744177664u_6u_5^2u_2^{74}u_1^{46} - 140737488355328u_6u_5u_2^{75}u_1^{47})x_4x_1^2+$$
$$(-70368744177664u_6u_5^2u_2^{76}u_1^{46} + 140737488355328u_6u_5^2u_2^{74}u_1^{47}+$$
$$140737488355328u_6u_5u_2^{75}u_1^{47})x_4x_1 + 70368744177664u_6u_5^3u_2^{75}u_1^{46}x_1^2-$$
$$70368744177664u_6u_5^3u_2^{75}u_1^{46}x_1$$

S-pol added.

187. Creating S-polynomial from the pair (p_0, p_{293}).
Forming S-pol of p_0 and p_{293}:

$$p_{1428} = (-70368744177664u_5^2u_2^{74}u_1^{46} + 35184372088832u_5^2u_2^{74}u_1^{45}+$$
$$70368744177664u_5u_2^{75}u_1^{46} - 281474976710656u_5u_2^{73}u_1^{48}+$$
$$140737488355328u_5u_2^{73}u_1^{47})x_5x_4x_1+$$
$$(35184372088832u_5^2u_2^{76}u_1^{45} + 140737488355328u_5u_2^{75}u_1^{47}-$$

$$70368744177664u_5u_2^{75}u_1^{46})x_5x_4+$$
$$(70368744177664u_5^3u_2^{73}u_1^{46} - 35184372088832u_5^3u_2^{73}u_1^{45})x_5x_1^2-$$
$$35184372088832u_5^3u_2^{75}u_1^{45}x_5x_1+$$
$$(-35184372088832u_6u_5^2u_2^{73}u_1^{45} - 70368744177664u_6u_5u_2^{74}u_1^{46})x_4x_1^2+$$
$$(-35184372088832u_6u_5^2u_2^{75}u_1^{45} + 70368744177664u_6u_5^2u_2^{73}u_1^{46}+$$
$$70368744177664u_6u_5u_2^{74}u_1^{46})x_4x_1 + 35184372088832u_6u_5^3u_2^{74}u_1^{45}x_1^2-$$
$$35184372088832u_6u_5^3u_2^{74}u_1^{45}x_1$$

S-pol added.

188. Creating S-polynomial from the pair (p_0, p_{294}).

Forming S-pol of p_0 and p_{294}:

$$p_{1429} = (-1073741824u_5u_2^{45}u_1^{30}+536870912u_5u_2^{45}u_1^{29}+1073741824u_2^{46}u_1^{30}-$$
$$4294967296u_2^{44}u_1^{32} + 2147483648u_2^{44}u_1^{31})x_5x_4x_1+$$
$$(536870912u_5u_2^{47}u_1^{29} + 2147483648u_2^{46}u_1^{31} - 1073741824u_2^{46}u_1^{30})x_5x_4+$$
$$(1073741824u_5^2u_2^{44}u_1^{30} - 536870912u_5^2u_2^{44}u_1^{29})x_5x_1^2-$$
$$536870912u_5^2u_2^{46}u_1^{29}x_5x_1+$$
$$(-536870912u_6u_5u_2^{44}u_1^{29} - 1073741824u_6u_2^{45}u_1^{30})x_4x_1^2+$$
$$(-536870912u_6u_5u_2^{46}u_1^{29} + 1073741824u_6u_5u_2^{44}u_1^{30}+$$
$$1073741824u_6u_2^{45}u_1^{30})x_4x_1 + 536870912u_6u_5^2u_2^{45}u_1^{29}x_1^2-$$
$$536870912u_6u_5^2u_2^{45}u_1^{29}x_1$$

S-pol added.

189. Creating S-polynomial from the pair (p_0, p_{295}).

Forming S-pol of p_0 and p_{295}:

$$p_{1430} = (-536870912u_5u_2^{44}u_1^{29} + 268435456u_5u_2^{44}u_1^{28} + 536870912u_2^{45}u_1^{29}-$$
$$2147483648u_2^{43}u_1^{31} + 1073741824u_2^{43}u_1^{30})x_5x_4x_1+$$
$$(268435456u_5u_2^{46}u_1^{28} + 1073741824u_2^{45}u_1^{30} - 536870912u_2^{45}u_1^{29})x_5x_4+$$
$$(536870912u_5^2u_2^{43}u_1^{29} - 268435456u_5^2u_2^{43}u_1^{28})x_5x_1^2-$$
$$268435456u_5^2u_2^{45}u_1^{28}x_5x_1+$$
$$(-268435456u_6u_5u_2^{43}u_1^{28} - 536870912u_6u_2^{44}u_1^{29})x_4x_1^2+$$
$$(-268435456u_6u_5u_2^{45}u_1^{28} + 536870912u_6u_5u_2^{43}u_1^{29}+$$
$$536870912u_6u_2^{44}u_1^{29})x_4x_1 + 268435456u_6u_5^2u_2^{44}u_1^{28}x_1^2-$$
$$268435456u_6u_5^2u_2^{44}u_1^{28}x_1$$

S-pol added.

190. Creating S-polynomial from the pair (p_0, p_{296}).

Forming S-pol of p_0 and p_{296}:

$$p_{1431} = (-1073741824u_5u_2^{45}u_1^{30}+536870912u_5u_2^{45}u_1^{29}+1073741824u_2^{46}u_1^{30}-$$
$$4294967296u_2^{44}u_1^{32} + 2147483648u_2^{44}u_1^{31})x_5x_4x_1+$$
$$(536870912u_5u_2^{47}u_1^{29} + 2147483648u_2^{46}u_1^{31} - 1073741824u_2^{46}u_1^{30})x_5x_4+$$
$$(1073741824u_5^2u_2^{44}u_1^{30} - 536870912u_5^2u_2^{44}u_1^{29})x_5x_1^2-$$
$$536870912u_5^2u_2^{46}u_1^{29}x_5x_1+$$
$$(-536870912u_6u_5u_2^{44}u_1^{29} - 1073741824u_6u_2^{45}u_1^{30})x_4x_1^2+$$
$$(-536870912u_6u_5u_2^{46}u_1^{29} + 1073741824u_6u_5u_2^{44}u_1^{30}+$$
$$1073741824u_6u_2^{45}u_1^{30})x_4x_1 + 536870912u_6u_5^2u_2^{45}u_1^{29}x_1^2-$$
$$536870912u_6u_5^2u_2^{45}u_1^{29}x_1$$

S-pol added.

191. Creating S-polynomial from the pair (p_0, p_{297}).

Forming S-pol of p_0 and p_{297}:

$$p_{1432} = (-2147483648u_5u_2^{50}u_1^{31}+1073741824u_5u_2^{50}u_1^{30}+2147483648u_2^{51}u_1^{31}-$$
$$8589934592u_2^{49}u_1^{33} + 4294967296u_2^{49}u_1^{32})x_5x_4x_1+$$
$$(1073741824u_5u_2^{52}u_1^{30} + 4294967296u_2^{51}u_1^{32} - 2147483648u_2^{51}u_1^{31})x_5x_4+$$
$$(2147483648u_5^2u_2^{49}u_1^{31} - 1073741824u_5^2u_2^{49}u_1^{30})x_5x_1^2-$$
$$1073741824u_5^2u_2^{51}u_1^{30}x_5x_1+$$
$$(-1073741824u_6u_5u_2^{49}u_1^{30} - 2147483648u_6u_2^{50}u_1^{31})x_4x_1^2+$$
$$(-1073741824u_6u_5u_2^{51}u_1^{30} + 2147483648u_6u_5u_2^{49}u_1^{31}+$$
$$2147483648u_6u_2^{50}u_1^{31})x_4x_1 + 1073741824u_6u_5^2u_2^{50}u_1^{30}x_1^2-$$
$$1073741824u_6u_5^2u_2^{50}u_1^{30}x_1$$

S-pol added.

192. Creating S-polynomial from the pair (p_0, p_{298}).

Forming S-pol of p_0 and p_{298}:

$$p_{1433} = (-32768u_2^{25}u_1^{15} + 131072u_2^{23}u_1^{17} - 65536u_2^{23}u_1^{16})x_5x_4x_1+$$
$$(-65536u_2^{25}u_1^{16} + 32768u_2^{25}u_1^{15})x_5x_4 + 32768u_6u_2^{24}u_1^{15}x_4x_1^2-$$
$$32768u_6u_2^{24}u_1^{15}x_4x_1$$

S-pol added.

193. Creating S-polynomial from the pair (p_0, p_{299}).

Forming S-pol of p_0 and p_{299}: Polynomial too big for output (text size is 3266 characters, number of terms is 8)

S-pol added.

194. Creating S-polynomial from the pair (p_0, p_{300}).

Forming S-pol of p_0 and p_{300}: Polynomial too big for output (text size is 3266 characters, number of terms is 8)

S-pol added.

195. Creating S-polynomial from the pair (p_0, p_{301}).

Forming S-pol of p_0 and p_{301}: Polynomial too big for output (text size is 6210 characters, number of terms is 16)

S-pol added.

196. Creating S-polynomial from the pair (p_0, p_{302}).

Forming S-pol of p_0 and p_{302}: Polynomial too big for output (text size is 1176 characters, number of terms is 8)

S-pol added.

197. Creating S-polynomial from the pair (p_0, p_{303}).

Forming S-pol of p_0 and p_{303}: Polynomial too big for output (text size is 2840 characters, number of terms is 8)

S-pol added.

198. Creating S-polynomial from the pair (p_0, p_{304}).

Forming S-pol of p_0 and p_{304}: Polynomial too big for output (text size is 2827 characters, number of terms is 8)

S-pol added.

199. Creating S-polynomial from the pair (p_0, p_{305}).

Forming S-pol of p_0 and p_{305}: Polynomial too big for output (text size is 2763 characters, number of terms is 8)

S-pol added.

200. Creating S-polynomial from the pair (p_0, p_{306}).

Forming S-pol of p_0 and p_{306}:

$$p_{1434} = (2097152u_2^{36}u_1^{21} - 8388608u_2^{34}u_1^{23} + 4194304u_2^{34}u_1^{22})x_5x_4x_1+$$
$$(4194304u_2^{36}u_1^{22} - 2097152u_2^{36}u_1^{21})x_5x_4+$$
$$(2097152u_5^2u_2^{34}u_1^{21} - 1048576u_5^2u_2^{34}u_1^{20})x_5x_1^2-$$
$$1048576u_5^2u_2^{36}u_1^{20}x_5x_1 - 2097152u_6u_2^{35}u_1^{21}x_4x_1^2+$$
$$2097152u_6u_2^{35}u_1^{21}x_4x_1 + 1048576u_6u_5^2u_2^{35}u_1^{20}x_1^2-$$
$$1048576u_6u_5^2u_2^{35}u_1^{20}x_1$$

S-pol added.

201. Creating S-polynomial from the pair (p_0, p_{307}).

Forming S-pol of p_0 and p_{307}:

$$p_{1435} = (4194304u_2^{30}u_1^{22} - 16777216u_2^{28}u_1^{24} + 8388608u_2^{28}u_1^{23})x_5x_4x_1+$$
$$(8388608u_2^{30}u_1^{23} - 4194304u_2^{30}u_1^{22})x_5x_4+$$
$$(4194304u_5^2u_2^{28}u_1^{22} - 2097152u_5^2u_2^{28}u_1^{21})x_5x_1^2-$$
$$2097152u_5^2u_2^{30}u_1^{21}x_5x_1 - 4194304u_6u_2^{29}u_1^{22}x_4x_1^2+$$
$$4194304u_6u_2^{29}u_1^{22}x_4x_1 + 2097152u_6u_5^2u_2^{29}u_1^{21}x_1^2-$$
$$2097152u_6u_5^2u_2^{29}u_1^{21}x_1$$

S-pol added.

202. Creating S-polynomial from the pair (p_0, p_{308}).

Forming S-pol of p_0 and p_{308}: Polynomial too big for output (text size is 2829 characters, number of terms is 8)

S-pol added.

203. Creating S-polynomial from the pair (p_0, p_{309}).

Forming S-pol of p_0 and p_{309}: Polynomial too big for output (text size is 6210 characters, number of terms is 16)

S-pol added.

204. Creating S-polynomial from the pair (p_0, p_{310}).

Forming S-pol of p_0 and p_{310}: Polynomial too big for output (text size is 1176 characters, number of terms is 8)

S-pol added.

205. Creating S-polynomial from the pair (p_0, p_{311}).

Forming S-pol of p_0 and p_{311}: Polynomial too big for output (text size is 2840 characters, number of terms is 8)

S-pol added.

206. Creating S-polynomial from the pair (p_0, p_{312}).

Forming S-pol of p_0 and p_{312}:

$$p_{1436} = (16384u_2^{24}u_1^{14} - 65536u_2^{22}u_1^{16} + 32768u_2^{22}u_1^{15})x_5x_4x_1+$$
$$(32768u_2^{24}u_1^{15} - 16384u_2^{24}u_1^{14})x_5x_4 - 16384u_6u_2^{23}u_1^{14}x_4x_1^2+$$
$$16384u_6u_2^{23}u_1^{14}x_4x_1$$

S-pol added.

207. Creating S-polynomial from the pair (p_0, p_{313}).

Skipping pair p_0 and p_{313} because gcd of their leading monoms is zero.

208. Creating S-polynomial from the pair (p_0, p_{314}).

Skipping pair p_0 and p_{314} because gcd of their leading monoms is zero.

209. Creating S-polynomial from the pair (p_0, p_{315}).

Skipping pair p_0 and p_{315} because gcd of their leading monoms is zero.

210. Creating S-polynomial from the pair (p_0, p_{316}).

Skipping pair p_0 and p_{316} because gcd of their leading monoms is zero.

211. Creating S-polynomial from the pair (p_0, p_{317}).

Skipping pair p_0 and p_{317} because gcd of their leading monoms is zero.

212. Creating S-polynomial from the pair (p_0, p_{318}).

Skipping pair p_0 and p_{318} because gcd of their leading monoms is zero.

213. Creating S-polynomial from the pair (p_0, p_{319}).

Skipping pair p_0 and p_{319} because gcd of their leading monoms is zero.

214. Creating S-polynomial from the pair (p_0, p_{320}).

Skipping pair p_0 and p_{320} because gcd of their leading monoms is zero.

215. Creating S-polynomial from the pair (p_0, p_{321}).

Skipping pair p_0 and p_{321} because gcd of their leading monoms is zero.

216. Creating S-polynomial from the pair (p_0, p_{322}).

Skipping pair p_0 and p_{322} because gcd of their leading monoms is zero.

217. Creating S-polynomial from the pair (p_0, p_{323}).

Skipping pair p_0 and p_{323} because gcd of their leading monoms is zero.

218. Creating S-polynomial from the pair (p_0, p_{324}).

Skipping pair p_0 and p_{324} because gcd of their leading monoms is zero.

219. Creating S-polynomial from the pair (p_0, p_{325}).

Skipping pair p_0 and p_{325} because gcd of their leading monoms is zero.

220. Creating S-polynomial from the pair (p_0, p_{326}).

Forming S-pol of p_0 and p_{326}: Polynomial too big for output (text size is 2373 characters, number of terms is 8)

S-pol added.

221. Creating S-polynomial from the pair (p_0, p_{327}).

Skipping pair p_0 and p_{327} because gcd of their leading monoms is zero.

222. Creating S-polynomial from the pair (p_0, p_{328}).

Forming S-pol of p_0 and p_{328}: Polynomial too big for output (text size is 5086 characters, number of terms is 16)

S-pol added.

223. Creating S-polynomial from the pair (p_0, p_{329}).

Forming S-pol of p_0 and p_{329}:

$$p_{1437} = (-35184372088832u_6u_3^{48}u_2^{66}u_1^{45} - 140737488355328u_3^{47}u_2^{66}u_1^{47} +$$
$$70368744177664u_3^{47}u_2^{66}u_1^{46})x_5x_4x_2x_1 +$$
$$(-70368744177664u_6u_3^{47}u_2^{67}u_1^{46} + 35184372088832u_6u_3^{47}u_2^{67}u_1^{45})x_5x_4x_2 -$$
$$35184372088832u_6u_3^{49}u_2^{65}u_1^{45}x_5x_4x_1^2 +$$
$$(70368744177664u_6u_3^{49}u_2^{65}u_1^{46} + 35184372088832u_6u_3^{48}u_2^{66}u_1^{45} +$$
$$70368744177664u_3^{49}u_2^{66}u_1^{46})x_5x_4x_1 +$$
$$35184372088832u_6^2u_3^{48}u_2^{65}u_1^{45}x_4x_2x_1^2 +$$
$$(-70368744177664u_6^2u_3^{48}u_2^{65}u_1^{46} + 70368744177664u_6^2u_3^{47}u_2^{66}u_1^{46} -$$
$$35184372088832u_6^2u_3^{47}u_2^{66}u_1^{45})x_4x_2x_1 -$$
$$35184372088832u_6^2u_3^{48}u_2^{65}u_1^{45}x_4x_1^2 +$$
$$(-35184372088832u_6^2u_3^{49}u_2^{66}u_1^{45} + 70368744177664u_6^2u_3^{48}u_2^{65}u_1^{46})x_4x_1$$

S-pol added.

224. Creating S-polynomial from the pair (p_0, p_{330}).

Forming S-pol of p_0 and p_{330}: Polynomial too big for output (text size is 3044 characters, number of terms is 8)

S-pol added.

225. Creating S-polynomial from the pair (p_0, p_{331}).

Skipping pair p_0 and p_{331} because gcd of their leading monoms is zero.

226. Creating S-polynomial from the pair (p_0, p_{332}).

Skipping pair p_0 and p_{332} because gcd of their leading monoms is zero.

227. Creating S-polynomial from the pair (p_0, p_{333}).

Skipping pair p_0 and p_{333} because gcd of their leading monoms is zero.

228. Creating S-polynomial from the pair (p_0, p_{334}).

Skipping pair p_0 and p_{334} because gcd of their leading monoms is zero.

229. Creating S-polynomial from the pair (p_0, p_{335}).

Skipping pair p_0 and p_{335} because gcd of their leading monoms is zero.

230. Creating S-polynomial from the pair (p_0, p_{336}).

Skipping pair p_0 and p_{336} because gcd of their leading monoms is zero.

231. Creating S-polynomial from the pair (p_0, p_{337}).

Skipping pair p_0 and p_{337} because gcd of their leading monoms is zero.

232. Creating S-polynomial from the pair (p_0, p_{338}).

Skipping pair p_0 and p_{338} because gcd of their leading monoms is zero.

233. Creating S-polynomial from the pair (p_0, p_{339}).
Skipping pair p_0 and p_{339} because gcd of their leading monoms is zero.

234. Creating S-polynomial from the pair (p_0, p_{340}).
Skipping pair p_0 and p_{340} because gcd of their leading monoms is zero.

235. Creating S-polynomial from the pair (p_0, p_{341}).
Skipping pair p_0 and p_{341} because gcd of their leading monoms is zero.

236. Creating S-polynomial from the pair (p_0, p_{342}).
Skipping pair p_0 and p_{342} because gcd of their leading monoms is zero.

237. Creating S-polynomial from the pair (p_0, p_{343}).
Skipping pair p_0 and p_{343} because gcd of their leading monoms is zero.

238. Creating S-polynomial from the pair (p_0, p_{344}).
Skipping pair p_0 and p_{344} because gcd of their leading monoms is zero.

239. Creating S-polynomial from the pair (p_0, p_{345}).
Skipping pair p_0 and p_{345} because gcd of their leading monoms is zero.

240. Creating S-polynomial from the pair (p_0, p_{346}).
Skipping pair p_0 and p_{346} because gcd of their leading monoms is zero.

241. Creating S-polynomial from the pair (p_0, p_{347}).
Skipping pair p_0 and p_{347} because gcd of their leading monoms is zero.

242. Creating S-polynomial from the pair (p_0, p_{348}).
Forming S-pol of p_0 and p_{348}: Polynomial too big for output (text size is 5086 characters, number of terms is 16)
S-pol added.

243. Creating S-polynomial from the pair (p_0, p_{349}).
Forming S-pol of p_0 and p_{349}:

$$p_{1438} = (-35184372088832u_6u_4^{48}u_2^{66}u_1^{45} - 140737488355328u_4^{47}u_2^{66}u_1^{47} + 70368744177664u_4^{47}u_2^{66}u_1^{46})x_5x_4x_3x_1 + (-70368744177664u_6u_4^{47}u_2^{67}u_1^{46} + 35184372088832u_6u_4^{47}u_2^{67}u_1^{45})x_5x_4x_3 - 35184372088832u_6u_4^{49}u_2^{65}u_1^{45}x_5x_4x_1^2 + (70368744177664u_6u_4^{49}u_2^{65}u_1^{46} + 35184372088832u_6u_4^{48}u_2^{66}u_1^{45} + 70368744177664u_4^{49}u_2^{66}u_1^{46})x_5x_4x_1 + 35184372088832u_6^2u_4^{48}u_2^{65}u_1^{45}x_4x_3x_1^2 + (-70368744177664u_6^2u_4^{48}u_2^{65}u_1^{46} + 70368744177664u_6^2u_4^{47}u_2^{66}u_1^{46} - 35184372088832u_6^2u_4^{47}u_2^{66}u_1^{45})x_4x_3x_1 - 35184372088832u_6^2u_4^{48}u_2^{65}u_1^{45}x_4x_1^2 + (-35184372088832u_6^2u_4^{49}u_2^{66}u_1^{45} + 70368744177664u_6^2u_4^{48}u_2^{65}u_1^{46})x_4x_1$$

S-pol added.

244. Creating S-polynomial from the pair (p_0, p_{350}).

Forming S-pol of p_0 and p_{350}: Polynomial too big for output (text size is 3044 characters, number of terms is 8)

S-pol added.

245. Creating S-polynomial from the pair (p_0, p_{351}).

Forming S-pol of p_0 and p_{351}: Polynomial too big for output (text size is 2377 characters, number of terms is 8)

S-pol added.

246. Creating S-polynomial from the pair (p_0, p_{352}).

Skipping pair p_0 and p_{352} because gcd of their leading monoms is zero.

247. Creating S-polynomial from the pair (p_0, p_{353}).

Skipping pair p_0 and p_{353} because gcd of their leading monoms is zero.

248. Creating S-polynomial from the pair (p_0, p_{354}).

Skipping pair p_0 and p_{354} because gcd of their leading monoms is zero.

249. Creating S-polynomial from the pair (p_0, p_{355}).

Skipping pair p_0 and p_{355} because gcd of their leading monoms is zero.

250. Creating S-polynomial from the pair (p_0, p_{356}).

Skipping pair p_0 and p_{356} because gcd of their leading monoms is zero.

251. Creating S-polynomial from the pair (p_0, p_{357}).

Skipping pair p_0 and p_{357} because gcd of their leading monoms is zero.

252. Creating S-polynomial from the pair (p_0, p_{358}).

Forming S-pol of p_0 and p_{358}: Polynomial too big for output (text size is 6189 characters, number of terms is 16)

S-pol added.

253. Creating S-polynomial from the pair (p_0, p_{359}).

Skipping pair p_0 and p_{359} because gcd of their leading monoms is zero.

254. Creating S-polynomial from the pair (p_0, p_{360}).

Skipping pair p_0 and p_{360} because gcd of their leading monoms is zero.

255. Creating S-polynomial from the pair (p_0, p_{361}).

Forming S-pol of p_0 and p_{361}: Polynomial too big for output (text size is 1166 characters, number of terms is 8)

S-pol added.

256. Creating S-polynomial from the pair (p_0, p_{362}).

Skipping pair p_0 and p_{362} because gcd of their leading monoms is zero.

257. Creating S-polynomial from the pair (p_0, p_{363}).

Forming S-pol of p_0 and p_{363}: Polynomial too big for output (text size is 2368 characters, number of terms is 8)

S-pol added.

258. Creating S-polynomial from the pair (p_0, p_{364}).

Skipping pair p_0 and p_{364} because gcd of their leading monoms is zero.

259. Creating S-polynomial from the pair (p_0, p_{365}).

Forming S-pol of p_0 and p_{365}: Polynomial too big for output (text size is 5059 characters, number of terms is 16)

S-pol added.

260. Creating S-polynomial from the pair (p_0, p_{366}).

Forming S-pol of p_0 and p_{366}:

$$p_{1439} = (-17592186044416u_6u_3^{47}u_2^{66}u_1^{44} - 70368744177664u_3^{46}u_2^{66}u_1^{46}+$$
$$35184372088832u_3^{46}u_2^{66}u_1^{45})x_5x_4x_2x_1+$$
$$(-35184372088832u_6u_3^{46}u_2^{67}u_1^{45} + 17592186044416u_6u_3^{46}u_2^{67}u_1^{44})x_5x_4x_2-$$
$$17592186044416u_6u_3^{48}u_2^{65}u_1^{44}x_5x_4x_1^2+$$
$$(35184372088832u_6u_3^{48}u_2^{65}u_1^{45} + 17592186044416u_6u_3^{47}u_2^{66}u_1^{44}+$$
$$35184372088832u_3^{48}u_2^{66}u_1^{45})x_5x_4x_1+$$
$$17592186044416u_6^2u_3^{47}u_2^{65}u_1^{44}x_4x_2x_1^2+$$
$$(-35184372088832u_6^2u_3^{47}u_2^{65}u_1^{45} + 35184372088832u_6^2u_3^{46}u_2^{66}u_1^{45}-$$
$$17592186044416u_6^2u_3^{46}u_2^{66}u_1^{44})x_4x_2x_1-$$
$$17592186044416u_6^2u_3^{47}u_2^{65}u_1^{44}x_4x_1^2+$$
$$(-17592186044416u_6^2u_3^{48}u_2^{66}u_1^{44} + 35184372088832u_6^2u_3^{47}u_2^{65}u_1^{45})x_4x_1$$

S-pol added.

261. Creating S-polynomial from the pair (p_0, p_{367}).

Forming S-pol of p_0 and p_{367}: Polynomial too big for output (text size is 1992 characters, number of terms is 8)

S-pol added.

262. Creating S-polynomial from the pair (p_0, p_{368}).

Skipping pair p_0 and p_{368} because gcd of their leading monoms is zero.

263. Creating S-polynomial from the pair (p_0, p_{369}).

Skipping pair p_0 and p_{369} because gcd of their leading monoms is zero.

264. Creating S-polynomial from the pair (p_0, p_{370}).

Skipping pair p_0 and p_{370} because gcd of their leading monoms is zero.

265. Creating S-polynomial from the pair (p_0, p_{371}).

Forming S-pol of p_0 and p_{371}: Polynomial too big for output (text size is 2822 characters, number of terms is 8)

S-pol added.

266. Creating S-polynomial from the pair (p_0, p_{372}).

Skipping pair p_0 and p_{372} because gcd of their leading monoms is zero.

267. Creating S-polynomial from the pair (p_0, p_{373}).

Forming S-pol of p_0 and p_{373}: Polynomial too big for output (text size is 1404 characters, number of terms is 8)

S-pol added.

268. Creating S-polynomial from the pair (p_0, p_{374}).

Forming S-pol of p_0 and p_{374}: Polynomial too big for output (text size is 2055 characters, number of terms is 8)

S-pol added.

269. Creating S-polynomial from the pair (p_0, p_{375}).

Forming S-pol of p_0 and p_{375}: Polynomial too big for output (text size is 5058 characters, number of terms is 16)

S-pol added.

270. Creating S-polynomial from the pair (p_0, p_{376}).

Forming S-pol of p_0 and p_{376}:

$$p_{1440} = (-262144u_2^{29}u_1^{18} + 1048576u_2^{27}u_1^{20} - 524288u_2^{27}u_1^{19})x_5x_4x_1+$$
$$(-524288u_2^{29}u_1^{19} + 262144u_2^{29}u_1^{18})x_5x_4+$$
$$(-262144u_5^2u_2^{27}u_1^{18} + 131072u_5^2u_2^{27}u_1^{17})x_5x_1^2+$$
$$131072u_5^2u_2^{29}u_1^{17}x_5x_1 + 262144u_6u_2^{28}u_1^{18}x_4x_1^2-$$
$$262144u_6u_2^{28}u_1^{18}x_4x_1 - 131072u_6u_5^2u_2^{28}u_1^{17}x_1^2+$$
$$131072u_6u_5^2u_2^{28}u_1^{17}x_1$$

S-pol added.

271. Creating S-polynomial from the pair (p_0, p_{377}).

Forming S-pol of p_0 and p_{377}:

$$p_{1441} = (17592186044416u_6u_4^{47}u_2^{66}u_1^{44} + 70368744177664u_4^{46}u_2^{66}u_1^{46}-$$
$$35184372088832u_4^{46}u_2^{66}u_1^{45})x_5x_4x_3x_1+$$
$$(35184372088832u_6u_4^{46}u_2^{67}u_1^{45} - 17592186044416u_6u_4^{46}u_2^{67}u_1^{44})x_5x_4x_3+$$
$$17592186044416u_6u_4^{48}u_2^{65}u_1^{44}x_5x_4x_1^2+$$
$$(-35184372088832u_6u_4^{48}u_2^{65}u_1^{45} - 17592186044416u_6u_4^{47}u_2^{66}u_1^{44}-$$
$$35184372088832u_4^{48}u_2^{66}u_1^{45})x_5x_4x_1-$$

$$17592186044416u_6^2u_4^{47}u_2^{65}u_1^{44}x_4x_3x_1^2+$$
$$(35184372088832u_6^2u_4^{47}u_2^{65}u_1^{45}-35184372088832u_6^2u_4^{46}u_2^{66}u_1^{45}+$$
$$17592186044416u_6^2u_4^{46}u_2^{66}u_1^{44})x_4x_3x_1+$$
$$17592186044416u_6^2u_4^{47}u_2^{65}u_1^{44}x_4x_1^2+$$
$$(17592186044416u_6^2u_4^{48}u_2^{66}u_1^{44}-35184372088832u_6^2u_4^{47}u_2^{65}u_1^{45})x_4x_1$$

S-pol added.

272. Creating S-polynomial from the pair (p_0, p_{378}).

Forming S-pol of p_0 and p_{378}: Polynomial too big for output (text size is 2822 characters, number of terms is 8)

S-pol added.

273. Creating S-polynomial from the pair (p_0, p_{379}).

Forming S-pol of p_0 and p_{379}: Polynomial too big for output (text size is 6188 characters, number of terms is 16)

S-pol added.

274. Creating S-polynomial from the pair (p_0, p_{380}).

Forming S-pol of p_0 and p_{380}: Polynomial too big for output (text size is 1168 characters, number of terms is 8)

S-pol added.

275. Creating S-polynomial from the pair (p_0, p_{381}).

Forming S-pol of p_0 and p_{381}: Polynomial too big for output (text size is 1994 characters, number of terms is 8)

S-pol added.

276. Creating S-polynomial from the pair (p_0, p_{382}).

Forming S-pol of p_0 and p_{382}: Polynomial too big for output (text size is 2368 characters, number of terms is 8)

S-pol added.

277. Creating S-polynomial from the pair (p_0, p_{383}).

Skipping pair p_0 and p_{383} because gcd of their leading monoms is zero.

278. Creating S-polynomial from the pair (p_0, p_{384}).

Skipping pair p_0 and p_{384} because gcd of their leading monoms is zero.

279. Creating S-polynomial from the pair (p_0, p_{385}).

Skipping pair p_0 and p_{385} because gcd of their leading monoms is zero.

280. Creating S-polynomial from the pair (p_1, p_{107}).

Skipping pair p_1 and p_{107} because gcd of their leading monoms is zero.

281. Creating S-polynomial from the pair (p_1, p_{108}).
Forming S-pol of p_1 and p_{108}:

$$p_{1442} = (131072u_3^{31}u_1^{17} - 524288u_3^{29}u_1^{19} + 262144u_3^{29}u_1^{18})x_5x_4x_2+$$
$$(262144u_3^{31}u_1^{18} - 131072u_3^{31}u_1^{17})x_5x_4+$$
$$(131072u_5^2u_3^{29}u_1^{17} - 65536u_5^2u_3^{29}u_1^{16})x_5x_2^2-$$
$$65536u_5^2u_3^{31}u_1^{16}x_5x_2 - 131072u_6u_3^{30}u_1^{17}x_4x_2^2+$$
$$131072u_6u_3^{30}u_1^{17}x_4x_2 + 65536u_6u_5^2u_3^{30}u_1^{16}x_2^2-$$
$$65536u_6u_5^2u_3^{30}u_1^{16}x_2$$

S-pol added.

282. Creating S-polynomial from the pair (p_1, p_{109}).
Skipping pair p_1 and p_{109} because gcd of their leading monoms is zero.

283. Creating S-polynomial from the pair (p_1, p_{110}).
Forming S-pol of p_1 and p_{110}:

$$p_{1443} = (65536u_3^{30}u_1^{16} - 262144u_3^{28}u_1^{18} + 131072u_3^{28}u_1^{17})x_5x_4x_2+$$
$$(131072u_3^{30}u_1^{17} - 65536u_3^{30}u_1^{16})x_5x_4+$$
$$(65536u_5^2u_3^{28}u_1^{16} - 32768u_5^2u_3^{28}u_1^{15})x_5x_2^2-$$
$$32768u_5^2u_3^{30}u_1^{15}x_5x_2 - 65536u_6u_3^{29}u_1^{16}x_4x_2^2+$$
$$65536u_6u_3^{29}u_1^{16}x_4x_2 + 32768u_6u_5^2u_3^{29}u_1^{15}x_2^2-$$
$$32768u_6u_5^2u_3^{29}u_1^{15}x_2$$

S-pol added.

284. Creating S-polynomial from the pair (p_1, p_{111}).
Skipping pair p_1 and p_{111} because gcd of their leading monoms is zero.

285. Creating S-polynomial from the pair (p_1, p_{112}).
Skipping pair p_1 and p_{112} because gcd of their leading monoms is zero.

286. Creating S-polynomial from the pair (p_1, p_{113}).
Skipping pair p_1 and p_{113} because gcd of their leading monoms is zero.

287. Creating S-polynomial from the pair (p_1, p_{114}).
Skipping pair p_1 and p_{114} because gcd of their leading monoms is zero.

288. Creating S-polynomial from the pair (p_1, p_{115}).
Forming S-pol of p_1 and p_{115}:

$$p_{1444} = (1048576u_3^{27}u_1^{19} - 262144u_3^{27}u_1^{18} - 2097152u_3^{25}u_1^{21}+$$
$$1048576u_3^{25}u_1^{20})x_5x_4x_2+$$
$$(-262144u_3^{29}u_1^{18} + 1048576u_3^{27}u_1^{20} - 524288u_3^{27}u_1^{19})x_5x_4+$$
$$(-524288u_6u_3^{26}u_1^{19} + 262144u_6u_3^{26}u_1^{18})x_4x_2^2+$$
$$262144u_6u_3^{28}u_1^{18}x_4x_2$$

S-pol added.

289. Creating S-polynomial from the pair (p_1, p_{116}).

Forming S-pol of p_1 and p_{116}:

$$p_{1445} = (524288u_3^{26}u_1^{18} - 131072u_3^{26}u_1^{17} - 1048576u_3^{24}u_1^{20} + 524288u_3^{24}u_1^{19})x_5x_4x_2 + (-131072u_3^{28}u_1^{17} + 524288u_3^{26}u_1^{19} - 262144u_3^{26}u_1^{18})x_5x_4 + (-262144u_6u_3^{25}u_1^{18} + 131072u_6u_3^{25}u_1^{17})x_4x_2^2 + 131072u_6u_3^{27}u_1^{17}x_4x_2$$

S-pol added.

290. Creating S-polynomial from the pair (p_1, p_{117}).

Skipping pair p_1 and p_{117} because gcd of their leading monoms is zero.

291. Creating S-polynomial from the pair (p_1, p_{118}).

Skipping pair p_1 and p_{118} because gcd of their leading monoms is zero.

292. Creating S-polynomial from the pair (p_1, p_{119}).

Forming S-pol of p_1 and p_{119}: Polynomial too big for output (text size is 2179 characters, number of terms is 8)

S-pol added.

293. Creating S-polynomial from the pair (p_1, p_{120}).

Forming S-pol of p_1 and p_{120}: Polynomial too big for output (text size is 1289 characters, number of terms is 8)

S-pol added.

294. Creating S-polynomial from the pair (p_1, p_{121}).

Forming S-pol of p_1 and p_{121}: Polynomial too big for output (text size is 1085 characters, number of terms is 8)

S-pol added.

295. Creating S-polynomial from the pair (p_1, p_{122}).

Forming S-pol of p_1 and p_{122}:

$$p_{1446} = (-268435456u_3^{45}u_1^{27} + 67108864u_3^{45}u_1^{26} + 536870912u_3^{43}u_1^{29} - 268435456u_3^{43}u_1^{28})x_5x_4x_2 + (67108864u_3^{47}u_1^{26} - 268435456u_3^{45}u_1^{28} + 134217728u_3^{45}u_1^{27})x_5x_4 + (33554432u_5^2u_3^{45}u_1^{25} - 134217728u_5^2u_3^{43}u_1^{27} + 67108864u_5^2u_3^{43}u_1^{26})x_5x_2^2 + (67108864u_5^2u_3^{45}u_1^{26} - 33554432u_5^2u_3^{45}u_1^{25})x_5x_2 + (134217728u_6u_3^{44}u_1^{27} - 67108864u_6u_3^{44}u_1^{26})x_4x_2^2 - 67108864u_6u_3^{46}u_1^{26}x_4x_2 + (-67108864u_6u_5^2u_3^{44}u_1^{26} + 33554432u_6u_5^2u_3^{44}u_1^{25})x_2^2 + 33554432u_6u_5^2u_3^{46}u_1^{25}x_2$$

S-pol added.

296. Creating S-polynomial from the pair (p_1, p_{123}).

Forming S-pol of p_1 and p_{123}: Polynomial too big for output (text size is 1013 characters, number of terms is 8)

S-pol added.

297. Creating S-polynomial from the pair (p_1, p_{124}).

Forming S-pol of p_1 and p_{124}: Polynomial too big for output (text size is 1159 characters, number of terms is 8)

S-pol added.

298. Creating S-polynomial from the pair (p_1, p_{125}).

Forming S-pol of p_1 and p_{125}:

$$p_{1447} = (-33554432u_3^{43}u_1^{24} + 8388608u_3^{43}u_1^{23} + 67108864u_3^{41}u_1^{26} -$$
$$33554432u_3^{41}u_1^{25})x_5x_4x_2 +$$
$$(8388608u_3^{45}u_1^{23} - 33554432u_3^{43}u_1^{25} + 16777216u_3^{43}u_1^{24})x_5x_4 +$$
$$(4194304u_5^2u_3^{43}u_1^{22} - 16777216u_5^2u_3^{41}u_1^{24} +$$
$$8388608u_5^2u_3^{41}u_1^{23})x_5x_2^2 +$$
$$(8388608u_5^2u_3^{43}u_1^{23} - 4194304u_5^2u_3^{43}u_1^{22})x_5x_2 +$$
$$(16777216u_6u_3^{42}u_1^{24} - 8388608u_6u_3^{42}u_1^{23})x_4x_2^2 -$$
$$8388608u_6u_3^{44}u_1^{23}x_4x_2 +$$
$$(-8388608u_6u_5^2u_3^{42}u_1^{23} + 4194304u_6u_5^2u_3^{42}u_1^{22})x_2^2 +$$
$$4194304u_6u_5^2u_3^{44}u_1^{22}x_2$$

S-pol added.

299. Creating S-polynomial from the pair (p_1, p_{126}).

Forming S-pol of p_1 and p_{126}: Polynomial too big for output (text size is 1080 characters, number of terms is 8)

S-pol added.

300. Creating S-polynomial from the pair (p_1, p_{127}).

Forming S-pol of p_1 and p_{127}: Polynomial too big for output (text size is 1005 characters, number of terms is 8)

S-pol added.

301. Creating S-polynomial from the pair (p_1, p_{128}).

Forming S-pol of p_1 and p_{128}:

$$p_{1448} = (-131072u_3^{20}u_1^{16} + 32768u_3^{20}u_1^{15} + 262144u_3^{18}u_1^{18} -$$
$$131072u_3^{18}u_1^{17})x_5x_4x_2 +$$
$$(32768u_3^{22}u_1^{15} - 131072u_3^{20}u_1^{17} + 65536u_3^{20}u_1^{16})x_5x_4 +$$
$$(65536u_6u_3^{19}u_1^{16} - 32768u_6u_3^{19}u_1^{15})x_4x_2^2 - 32768u_6u_3^{21}u_1^{15}x_4x_2$$

S-pol added.

302. Creating S-polynomial from the pair (p_1, p_{129}).

Forming S-pol of p_1 and p_{129}:

$$p_{1449} = (-65536u_3^{19}u_1^{15} + 16384u_3^{19}u_1^{14} + 131072u_3^{17}u_1^{17} - 65536u_3^{17}u_1^{16})x_5x_4x_2 + (16384u_3^{21}u_1^{14} - 65536u_3^{19}u_1^{16} + 32768u_3^{19}u_1^{15})x_5x_4 + (32768u_6u_3^{18}u_1^{15} - 16384u_6u_3^{18}u_1^{14})x_4x_2^2 - 16384u_6u_3^{20}u_1^{14}x_4x_2$$

S-pol added.

303. Creating S-polynomial from the pair (p_1, p_{130}).

Skipping pair p_1 and p_{130} because gcd of their leading monoms is zero.

304. Creating S-polynomial from the pair (p_1, p_{131}).

Skipping pair p_1 and p_{131} because gcd of their leading monoms is zero.

305. Creating S-polynomial from the pair (p_1, p_{132}).

Skipping pair p_1 and p_{132} because gcd of their leading monoms is zero.

306. Creating S-polynomial from the pair (p_1, p_{133}).

Forming S-pol of p_1 and p_{133}: Polynomial too big for output (text size is 1012 characters, number of terms is 8)

S-pol added.

307. Creating S-polynomial from the pair (p_1, p_{134}).

Skipping pair p_1 and p_{134} because gcd of their leading monoms is zero.

308. Creating S-polynomial from the pair (p_1, p_{135}).

Forming S-pol of p_1 and p_{135}: Polynomial too big for output (text size is 1004 characters, number of terms is 8)

S-pol added.

309. Creating S-polynomial from the pair (p_1, p_{136}).

Skipping pair p_1 and p_{136} because gcd of their leading monoms is zero.

310. Creating S-polynomial from the pair (p_1, p_{137}).

Skipping pair p_1 and p_{137} because gcd of their leading monoms is zero.

311. Creating S-polynomial from the pair (p_1, p_{138}).

Skipping pair p_1 and p_{138} because gcd of their leading monoms is zero.

312. Creating S-polynomial from the pair (p_1, p_{139}).

Skipping pair p_1 and p_{139} because gcd of their leading monoms is zero.

313. Creating S-polynomial from the pair (p_1, p_{140}).

Skipping pair p_1 and p_{140} because gcd of their leading monoms is zero.

314. Creating S-polynomial from the pair (p_1, p_{141}).

Skipping pair p_1 and p_{141} because gcd of their leading monoms is zero.

315. Creating S-polynomial from the pair (p_1, p_{142}).

Skipping pair p_1 and p_{142} because gcd of their leading monoms is zero.

316. Creating S-polynomial from the pair (p_1, p_{143}).

Skipping pair p_1 and p_{143} because gcd of their leading monoms is zero.

317. Creating S-polynomial from the pair (p_1, p_{144}).

Forming S-pol of p_1 and p_{144}: Polynomial too big for output (text size is 1084 characters, number of terms is 8)

S-pol added.

318. Creating S-polynomial from the pair (p_1, p_{145}).

Skipping pair p_1 and p_{145} because gcd of their leading monoms is zero.

319. Creating S-polynomial from the pair (p_1, p_{146}).

Forming S-pol of p_1 and p_{146}: Polynomial too big for output (text size is 1079 characters, number of terms is 8)

S-pol added.

320. Creating S-polynomial from the pair (p_1, p_{147}).

Skipping pair p_1 and p_{147} because gcd of their leading monoms is zero.

321. Creating S-polynomial from the pair (p_1, p_{148}).

Skipping pair p_1 and p_{148} because gcd of their leading monoms is zero.

322. Creating S-polynomial from the pair (p_1, p_{149}).

Skipping pair p_1 and p_{149} because gcd of their leading monoms is zero.

323. Creating S-polynomial from the pair (p_1, p_{150}).

Skipping pair p_1 and p_{150} because gcd of their leading monoms is zero.

324. Creating S-polynomial from the pair (p_1, p_{151}).

Skipping pair p_1 and p_{151} because gcd of their leading monoms is zero.

325. Creating S-polynomial from the pair (p_1, p_{152}).

Skipping pair p_1 and p_{152} because gcd of their leading monoms is zero.

326. Creating S-polynomial from the pair (p_1, p_{153}).

Skipping pair p_1 and p_{153} because gcd of their leading monoms is zero.

327. Creating S-polynomial from the pair (p_1, p_{154}).

Skipping pair p_1 and p_{154} because gcd of their leading monoms is zero.

328. Creating S-polynomial from the pair (p_1, p_{155}).

Skipping pair p_1 and p_{155} because gcd of their leading monoms is zero.

329. Creating S-polynomial from the pair (p_1, p_{156}).

Skipping pair p_1 and p_{156} because gcd of their leading monoms is zero.

330. Creating S-polynomial from the pair (p_1, p_{157}).

Forming S-pol of p_1 and p_{157}: Polynomial too big for output (text size is 1153 characters, number of terms is 8)

S-pol added.

331. Creating S-polynomial from the pair (p_1, p_{158}).

Skipping pair p_1 and p_{158} because gcd of their leading monoms is zero.

332. Creating S-polynomial from the pair (p_1, p_{159}).

Forming S-pol of p_1 and p_{159}: Polynomial too big for output (text size is 1145 characters, number of terms is 8)

S-pol added.

333. Creating S-polynomial from the pair (p_1, p_{160}).

Skipping pair p_1 and p_{160} because gcd of their leading monoms is zero.

334. Creating S-polynomial from the pair (p_1, p_{161}).

Skipping pair p_1 and p_{161} because gcd of their leading monoms is zero.

335. Creating S-polynomial from the pair (p_1, p_{162}).

Skipping pair p_1 and p_{162} because gcd of their leading monoms is zero.

336. Creating S-polynomial from the pair (p_1, p_{163}).

Forming S-pol of p_1 and p_{163}:

$$p_{1450} = (16384u_3^{25}u_1^{14} - 65536u_3^{23}u_1^{16} + 32768u_3^{23}u_1^{15})x_5x_4x_2 +$$
$$(32768u_3^{25}u_1^{15} - 16384u_3^{25}u_1^{14})x_5x_4 - 16384u_6u_3^{24}u_1^{14}x_4x_2^2 +$$
$$16384u_6u_3^{24}u_1^{14}x_4x_2$$

S-pol added.

337. Creating S-polynomial from the pair (p_1, p_{164}).

Forming S-pol of p_1 and p_{164}:

$$p_{1451} = (8192u_3^{24}u_1^{13} - 32768u_3^{22}u_1^{15} + 16384u_3^{22}u_1^{14})x_5x_4x_2 +$$
$$(16384u_3^{24}u_1^{14} - 8192u_3^{24}u_1^{13})x_5x_4 - 8192u_6u_3^{23}u_1^{13}x_4x_2^2 +$$
$$8192u_6u_3^{23}u_1^{13}x_4x_2$$

S-pol added.

338. Creating S-polynomial from the pair (p_1, p_{165}).

Forming S-pol of p_1 and p_{165}: Polynomial too big for output (text size is 2295 characters, number of terms is 8)

S-pol added.

339. Creating S-polynomial from the pair (p_1, p_{166}).

Forming S-pol of p_1 and p_{166}: Polynomial too big for output (text size is 1303 characters, number of terms is 8)

S-pol added.

340. Creating S-polynomial from the pair (p_1, p_{167}).

Forming S-pol of p_1 and p_{167}:

$$p_{1452} = 4398046511104u_6u_3^{55}u_2^{49}u_1^{42}x_5x_4x_2^2+$$
$$(4398046511104u_6u_3^{56}u_2^{48}u_1^{42} + 17592186044416u_3^{56}u_2^{47}u_1^{44}-$$
$$8796093022208u_3^{56}u_2^{47}u_1^{43})x_5x_4x_2x_1+$$
$$(-4398046511104u_6u_3^{56}u_2^{48}u_1^{42} - 8796093022208u_6u_3^{55}u_2^{49}u_1^{43}-$$
$$8796093022208u_3^{56}u_2^{49}u_1^{43})x_5x_4x_2+$$
$$(8796093022208u_6u_3^{57}u_2^{47}u_1^{43} - 4398046511104u_6u_3^{57}u_2^{47}u_1^{42})x_5x_4x_1-$$
$$4398046511104u_6^2u_3^{55}u_2^{48}u_1^{42}x_4x_2^2x_1+$$
$$4398046511104u_6^2u_3^{55}u_2^{48}u_1^{42}x_4x_2^2+$$
$$(-8796093022208u_6^2u_3^{56}u_2^{47}u_1^{43} + 4398046511104u_6^2u_3^{56}u_2^{47}u_1^{42}+$$
$$8796093022208u_6^2u_3^{55}u_2^{48}u_1^{43})x_4x_2x_1+$$
$$(4398046511104u_6^2u_3^{56}u_2^{49}u_1^{42} - 8796093022208u_6^2u_3^{55}u_2^{48}u_1^{43})x_4x_2$$

S-pol added.

341. Creating S-polynomial from the pair (p_1, p_{168}).

Forming S-pol of p_1 and p_{168}:

$$p_{1453} = (-1048576u_3^{32}u_1^{20} + 4194304u_3^{30}u_1^{22} - 2097152u_3^{30}u_1^{21})x_5x_4x_2+$$
$$(-2097152u_3^{32}u_1^{21} + 1048576u_3^{32}u_1^{20})x_5x_4+$$
$$(-1048576u_5^2u_3^{30}u_1^{20} + 524288u_5^2u_3^{30}u_1^{19})x_5x_2^2+$$
$$524288u_5^2u_3^{32}u_1^{19}x_5x_2 + 1048576u_6u_3^{31}u_1^{20}x_4x_2^2-$$
$$1048576u_6u_3^{31}u_1^{20}x_4x_2 - 524288u_6u_5^2u_3^{31}u_1^{19}x_2^2+$$
$$524288u_6u_5^2u_3^{31}u_1^{19}x_2$$

S-pol added.

342. Creating S-polynomial from the pair (p_1, p_{169}).

Forming S-pol of p_1 and p_{169}:

$$p_{1454} = (17592186044416u_6u_4^{48}u_3^{62}u_1^{44} + 70368744177664u_4^{47}u_3^{62}u_1^{46}-$$
$$35184372088832u_4^{47}u_3^{62}u_1^{45})x_5x_4x_3x_2+$$
$$(35184372088832u_6u_4^{47}u_3^{63}u_1^{45} - 17592186044416u_6u_4^{47}u_3^{63}u_1^{44})x_5x_4x_3+$$
$$17592186044416u_6u_4^{49}u_3^{61}u_1^{44}x_5x_4x_2^2+$$
$$(-35184372088832u_6u_4^{49}u_3^{61}u_1^{45} - 17592186044416u_6u_4^{48}u_3^{62}u_1^{44}-$$
$$35184372088832u_4^{49}u_3^{62}u_1^{45})x_5x_4x_2-$$
$$17592186044416u_6^2u_4^{48}u_3^{61}u_1^{44}x_4x_3x_2^2+$$
$$(35184372088832u_6^2u_4^{48}u_3^{61}u_1^{45} - 35184372088832u_6^2u_4^{47}u_3^{62}u_1^{45}+$$
$$17592186044416u_6^2u_4^{47}u_3^{62}u_1^{44})x_4x_3x_2+$$
$$17592186044416u_6^2u_4^{48}u_3^{61}u_1^{44}x_4x_2^2+$$
$$(17592186044416u_6^2u_4^{49}u_3^{62}u_1^{44} - 35184372088832u_6^2u_4^{48}u_3^{61}u_1^{45})x_4x_2$$

S-pol added.

343. Creating S-polynomial from the pair (p_1, p_{170}).

Forming S-pol of p_1 and p_{170}: Polynomial too big for output (text size is 1347 characters, number of terms is 8)

S-pol added.

344. Creating S-polynomial from the pair (p_1, p_{171}).

Forming S-pol of p_1 and p_{171}:

$$p_{1455} = (-131072u_3^{25}u_1^{17} + 524288u_3^{23}u_1^{19} - 262144u_3^{23}u_1^{18})x_5x_4x_2+$$
$$(-262144u_3^{25}u_1^{18} + 131072u_3^{25}u_1^{17})x_5x_4+$$
$$(-131072u_5^2u_3^{23}u_1^{17} + 65536u_5^2u_3^{23}u_1^{16})x_5x_2^2+$$
$$65536u_5^2u_3^{25}u_1^{16}x_5x_2 + 131072u_6u_3^{24}u_1^{17}x_4x_2^2-$$
$$131072u_6u_3^{24}u_1^{17}x_4x_2 - 65536u_6u_5^2u_3^{24}u_1^{16}x_2^2+$$
$$65536u_6u_5^2u_3^{24}u_1^{16}x_2$$

S-pol added.

345. Creating S-polynomial from the pair (p_1, p_{172}).

Forming S-pol of p_1 and p_{172}:

$$p_{1456} = 2199023255552u_6u_3^{55}u_2^{48}u_1^{41}x_5x_4x_2^2+$$
$$(2199023255552u_6u_3^{56}u_2^{47}u_1^{41} + 8796093022208u_3^{56}u_2^{46}u_1^{43}-$$
$$4398046511104u_3^{56}u_2^{46}u_1^{42})x_5x_4x_2x_1+$$
$$(-2199023255552u_6u_3^{56}u_2^{47}u_1^{41} - 4398046511104u_6u_3^{55}u_2^{48}u_1^{42}-$$
$$4398046511104u_3^{56}u_2^{48}u_1^{42})x_5x_4x_2+$$
$$(4398046511104u_6u_3^{57}u_2^{46}u_1^{42} - 2199023255552u_6u_3^{57}u_2^{46}u_1^{41})x_5x_4x_1-$$
$$2199023255552u_6^2u_3^{55}u_2^{47}u_1^{41}x_4x_2^2x_1+$$
$$2199023255552u_6^2u_3^{55}u_2^{47}u_1^{41}x_4x_2^2+$$
$$(-4398046511104u_6^2u_3^{56}u_2^{46}u_1^{42} + 2199023255552u_6^2u_3^{56}u_2^{46}u_1^{41}+$$
$$4398046511104u_6^2u_3^{55}u_2^{47}u_1^{42})x_4x_2x_1+$$
$$(2199023255552u_6^2u_3^{56}u_2^{48}u_1^{41} - 4398046511104u_6^2u_3^{55}u_2^{47}u_1^{42})x_4x_2$$

S-pol added.

346. Creating S-polynomial from the pair (p_1, p_{173}).

Forming S-pol of p_1 and p_{173}:

$$p_{1457} = (8796093022208u_6u_4^{47}u_3^{62}u_1^{43} + 35184372088832u_4^{46}u_3^{62}u_1^{45}-$$
$$17592186044416u_4^{46}u_3^{62}u_1^{44})x_5x_4x_3x_2+$$
$$(17592186044416u_6u_4^{46}u_3^{63}u_1^{44} - 8796093022208u_6u_4^{46}u_3^{63}u_1^{43})x_5x_4x_3+$$
$$8796093022208u_6u_4^{48}u_3^{61}u_1^{43}x_5x_4x_2^2+$$

$$(-17592186044416u_6u_4^{48}u_3^{61}u_1^{44} - 8796093022208u_6u_4^{47}u_3^{62}u_1^{43} -$$
$$17592186044416u_4^{48}u_3^{62}u_1^{44})x_5x_4x_2 -$$
$$8796093022208u_6^2u_4^{47}u_3^{61}u_1^{43}x_4x_3x_2^2 +$$
$$(17592186044416u_6^2u_4^{47}u_3^{61}u_1^{44} - 17592186044416u_6^2u_4^{46}u_3^{62}u_1^{44} +$$
$$8796093022208u_6^2u_4^{46}u_3^{62}u_1^{43})x_4x_3x_2 +$$
$$8796093022208u_6^2u_4^{47}u_3^{61}u_1^{43}x_4x_2^2 +$$
$$(8796093022208u_6^2u_4^{48}u_3^{62}u_1^{43} - 17592186044416u_6^2u_4^{47}u_3^{61}u_1^{44})x_4x_2$$

S-pol added.

347. Creating S-polynomial from the pair (p_1, p_{174}).

   Skipping pair p_1 and p_{174} because gcd of their leading monoms is zero.

348. Creating S-polynomial from the pair (p_1, p_{175}).

   Skipping pair p_1 and p_{175} because gcd of their leading monoms is zero.

349. Creating S-polynomial from the pair (p_1, p_{176}).

   Skipping pair p_1 and p_{176} because gcd of their leading monoms is zero.

350. Creating S-polynomial from the pair (p_1, p_{177}).

   Skipping pair p_1 and p_{177} because gcd of their leading monoms is zero.

351. Creating S-polynomial from the pair (p_1, p_{178}).

   Skipping pair p_1 and p_{178} because gcd of their leading monoms is zero.

352. Creating S-polynomial from the pair (p_1, p_{179}).

   Forming S-pol of p_1 and p_{179}: Polynomial too big for output (text size is 1137 characters, number of terms is 8)

   S-pol added.

353. Creating S-polynomial from the pair (p_1, p_{180}).

   Skipping pair p_1 and p_{180} because gcd of their leading monoms is zero.

354. Creating S-polynomial from the pair (p_1, p_{181}).

   Forming S-pol of p_1 and p_{181}: Polynomial too big for output (text size is 1134 characters, number of terms is 8)

   S-pol added.

355. Creating S-polynomial from the pair (p_1, p_{182}).

   Skipping pair p_1 and p_{182} because gcd of their leading monoms is zero.

356. Creating S-polynomial from the pair (p_1, p_{183}).

   Skipping pair p_1 and p_{183} because gcd of their leading monoms is zero.

357. Creating S-polynomial from the pair (p_1, p_{184}).

   Skipping pair p_1 and p_{184} because gcd of their leading monoms is zero.

358. Creating S-polynomial from the pair (p_1, p_{185}).

Forming S-pol of p_1 and p_{185}: Polynomial too big for output (text size is 2401 characters, number of terms is 8)

S-pol added.

359. Creating S-polynomial from the pair (p_1, p_{186}).

Forming S-pol of p_1 and p_{186}: Polynomial too big for output (text size is 1391 characters, number of terms is 8)

S-pol added.

360. Creating S-polynomial from the pair (p_1, p_{187}).

Forming S-pol of p_1 and p_{187}: Polynomial too big for output (text size is 1018 characters, number of terms is 8)

S-pol added.

361. Creating S-polynomial from the pair (p_1, p_{188}).

Forming S-pol of p_1 and p_{188}:

$$p_{1458} = (16777216u_5u_3^{43}u_1^{24} - 67108864u_5u_3^{41}u_1^{26} + 33554432u_5u_3^{41}u_1^{25})x_5x_4x_2 + (33554432u_5u_3^{43}u_1^{25} - 16777216u_5u_3^{43}u_1^{24})x_5x_4 + (16777216u_5^3u_3^{41}u_1^{24} - 8388608u_5^3u_3^{41}u_1^{23})x_5x_2^2 - 8388608u_5^3u_3^{43}u_1^{23}x_5x_2 - 16777216u_6u_5u_3^{42}u_1^{24}x_4x_2^2 + 16777216u_6u_5u_3^{42}u_1^{24}x_4x_2 + 8388608u_6u_5^3u_3^{42}u_1^{23}x_2^2 - 8388608u_6u_5^3u_3^{42}u_1^{23}x_2$$

S-pol added.

362. Creating S-polynomial from the pair (p_1, p_{189}).

Forming S-pol of p_1 and p_{189}: Polynomial too big for output (text size is 1034 characters, number of terms is 8)

S-pol added.

363. Creating S-polynomial from the pair (p_1, p_{190}).

Forming S-pol of p_1 and p_{190}: Polynomial too big for output (text size is 1389 characters, number of terms is 8)

S-pol added.

364. Creating S-polynomial from the pair (p_1, p_{191}).

Forming S-pol of p_1 and p_{191}:

$$p_{1459} = (8388608u_5u_3^{42}u_1^{23} - 33554432u_5u_3^{40}u_1^{25} + 16777216u_5u_3^{40}u_1^{24})x_5x_4x_2 + (16777216u_5u_3^{42}u_1^{24} - 8388608u_5u_3^{42}u_1^{23})x_5x_4 + (8388608u_5^3u_3^{40}u_1^{23} - 4194304u_5^3u_3^{40}u_1^{22})x_5x_2^2 - 4194304u_5^3u_3^{42}u_1^{22}x_5x_2 - 8388608u_6u_5u_3^{41}u_1^{23}x_4x_2^2 + 8388608u_6u_5u_3^{41}u_1^{23}x_4x_2 + 4194304u_6u_5^3u_3^{41}u_1^{22}x_2^2 - 4194304u_6u_5^3u_3^{41}u_1^{22}x_2$$

S-pol added.

365. Creating S-polynomial from the pair (p_1, p_{192}).

Forming S-pol of p_1 and p_{192}: Polynomial too big for output (text size is 1010 characters, number of terms is 8)

S-pol added.

366. Creating S-polynomial from the pair (p_1, p_{193}).

Forming S-pol of p_1 and p_{193}: Polynomial too big for output (text size is 1026 characters, number of terms is 8)

S-pol added.

367. Creating S-polynomial from the pair (p_1, p_{194}).

Skipping pair p_1 and p_{194} because gcd of their leading monoms is zero.

368. Creating S-polynomial from the pair (p_1, p_{195}).

Skipping pair p_1 and p_{195} because gcd of their leading monoms is zero.

369. Creating S-polynomial from the pair (p_1, p_{196}).

Skipping pair p_1 and p_{196} because gcd of their leading monoms is zero.

370. Creating S-polynomial from the pair (p_1, p_{197}).

Forming S-pol of p_1 and p_{197}: Polynomial too big for output (text size is 1257 characters, number of terms is 8)

S-pol added.

371. Creating S-polynomial from the pair (p_1, p_{198}).

Skipping pair p_1 and p_{198} because gcd of their leading monoms is zero.

372. Creating S-polynomial from the pair (p_1, p_{199}).

Forming S-pol of p_1 and p_{199}: Polynomial too big for output (text size is 1249 characters, number of terms is 8)

S-pol added.

373. Creating S-polynomial from the pair (p_1, p_{200}).

Skipping pair p_1 and p_{200} because gcd of their leading monoms is zero.

374. Creating S-polynomial from the pair (p_1, p_{201}).

Skipping pair p_1 and p_{201} because gcd of their leading monoms is zero.

375. Creating S-polynomial from the pair (p_1, p_{202}).

Skipping pair p_1 and p_{202} because gcd of their leading monoms is zero.

376. Creating S-polynomial from the pair (p_1, p_{203}).

Skipping pair p_1 and p_{203} because gcd of their leading monoms is zero.

377. Creating S-polynomial from the pair (p_1, p_{204}).

Skipping pair p_1 and p_{204} because gcd of their leading monoms is zero.

378. Creating S-polynomial from the pair (p_1, p_{205}).

Skipping pair p_1 and p_{205} because gcd of their leading monoms is zero.

379. Creating S-polynomial from the pair (p_1, p_{206}).

Forming S-pol of p_1 and p_{206}: Polynomial too big for output (text size is 1236 characters, number of terms is 8)

S-pol added.

380. Creating S-polynomial from the pair (p_1, p_{207}).

Skipping pair p_1 and p_{207} because gcd of their leading monoms is zero.

381. Creating S-polynomial from the pair (p_1, p_{208}).

Forming S-pol of p_1 and p_{208}: Polynomial too big for output (text size is 1228 characters, number of terms is 8)

S-pol added.

382. Creating S-polynomial from the pair (p_1, p_{209}).

Skipping pair p_1 and p_{209} because gcd of their leading monoms is zero.

383. Creating S-polynomial from the pair (p_1, p_{210}).

Skipping pair p_1 and p_{210} because gcd of their leading monoms is zero.

384. Creating S-polynomial from the pair (p_1, p_{211}).

Skipping pair p_1 and p_{211} because gcd of their leading monoms is zero.

385. Creating S-polynomial from the pair (p_1, p_{212}).

Forming S-pol of p_1 and p_{212}: Polynomial too big for output (text size is 1409 characters, number of terms is 8)

S-pol added.

386. Creating S-polynomial from the pair (p_1, p_{213}).

Forming S-pol of p_1 and p_{213}: Polynomial too big for output (text size is 1400 characters, number of terms is 8)

S-pol added.

387. Creating S-polynomial from the pair (p_1, p_{214}).

Forming S-pol of p_1 and p_{214}: Polynomial too big for output (text size is 9117 characters, number of terms is 16)

S-pol added.

388. Creating S-polynomial from the pair (p_1, p_{215}).

Forming S-pol of p_1 and p_{215}: Polynomial too big for output (text size is 4432 characters, number of terms is 8)

S-pol added.

389. Creating S-polynomial from the pair (p_1, p_{216}).

Forming S-pol of p_1 and p_{216}: Polynomial too big for output (text size is 9304 characters, number of terms is 16)

S-pol added.

390. Creating S-polynomial from the pair (p_1, p_{217}).

Forming S-pol of p_1 and p_{217}: Polynomial too big for output (text size is 2404 characters, number of terms is 8)

S-pol added.

391. Creating S-polynomial from the pair (p_1, p_{218}).

Forming S-pol of p_1 and p_{218}: Polynomial too big for output (text size is 3443 characters, number of terms is 8)

S-pol added.

392. Creating S-polynomial from the pair (p_1, p_{219}).

Forming S-pol of p_1 and p_{219}: Polynomial too big for output (text size is 9074 characters, number of terms is 16)

S-pol added.

393. Creating S-polynomial from the pair (p_1, p_{220}).

Forming S-pol of p_1 and p_{220}: Polynomial too big for output (text size is 9277 characters, number of terms is 16)

S-pol added.

394. Creating S-polynomial from the pair (p_1, p_{221}).

Forming S-pol of p_1 and p_{221}:

$$p_{1460} = (-536870912u_5u_3^{45}u_1^{29} + 268435456u_5u_3^{45}u_1^{28} + 536870912u_3^{46}u_1^{29} -$$
$$2147483648u_3^{44}u_1^{31} + 1073741824u_3^{44}u_1^{30})x_5x_4x_2 +$$
$$(268435456u_5u_3^{47}u_1^{28} + 1073741824u_3^{46}u_1^{30} - 536870912u_3^{46}u_1^{29})x_5x_4 +$$
$$(536870912u_5^2u_3^{44}u_1^{29} - 268435456u_5^2u_3^{44}u_1^{28})x_5x_2^2 -$$
$$268435456u_5^2u_3^{46}u_1^{28}x_5x_2 +$$
$$(-268435456u_6u_5u_3^{44}u_1^{28} - 536870912u_6u_3^{45}u_1^{29})x_4x_2^2 +$$
$$(-268435456u_6u_5u_3^{46}u_1^{28} + 536870912u_6u_5u_3^{44}u_1^{29} +$$
$$536870912u_6u_3^{45}u_1^{29})x_4x_2 + 268435456u_6u_5^2u_3^{45}u_1^{28}x_2^2 -$$
$$268435456u_6u_5^2u_3^{45}u_1^{28}x_2$$

S-pol added.

395. Creating S-polynomial from the pair (p_1, p_{222}).

Forming S-pol of p_1 and p_{222}:

$$p_{1461} = (-1073741824u_5u_3^{50}u_1^{30} + 536870912u_5u_3^{50}u_1^{29} + 1073741824u_3^{51}u_1^{30} -$$
$$4294967296u_3^{49}u_1^{32} + 2147483648u_3^{49}u_1^{31})x_5x_4x_2 +$$
$$(536870912u_5u_3^{52}u_1^{29} + 2147483648u_3^{51}u_1^{31} - 1073741824u_3^{51}u_1^{30})x_5x_4 +$$
$$(1073741824u_5^2u_3^{49}u_1^{30} - 536870912u_5^2u_3^{49}u_1^{29})x_5x_2^2 -$$
$$536870912u_5^2u_3^{51}u_1^{29}x_5x_2 +$$

$$(-536870912u_6u_5u_3^{49}u_1^{29} - 1073741824u_6u_3^{50}u_1^{30})x_4x_2^2+$$
$$(-536870912u_6u_5u_3^{51}u_1^{29} + 1073741824u_6u_5u_3^{49}u_1^{30}+$$
$$1073741824u_6u_3^{50}u_1^{30})x_4x_2 + 536870912u_6u_5^2u_3^{50}u_1^{29}x_2^2-$$
$$536870912u_6u_5^2u_3^{50}u_1^{29}x_2$$

S-pol added.

396. Creating S-polynomial from the pair (p_1, p_{223}).

Forming S-pol of p_1 and p_{223}: Polynomial too big for output (text size is 1389 characters, number of terms is 8)

S-pol added.

397. Creating S-polynomial from the pair (p_1, p_{224}).

Forming S-pol of p_1 and p_{224}: Polynomial too big for output (text size is 1383 characters, number of terms is 8)

S-pol added.

398. Creating S-polynomial from the pair (p_1, p_{225}).

Forming S-pol of p_1 and p_{225}:

$$p_{1462} = (33554432u_6u_3^{43}u_1^{24} - 16777216u_6u_3^{43}u_1^{23} + 134217728u_6u_3^{41}u_1^{26}-$$
$$67108864u_6u_3^{41}u_1^{25} - 16777216u_3^{44}u_1^{24} - 33554432u_3^{42}u_1^{25}+$$
$$268435456u_3^{40}u_1^{28} - 134217728u_3^{40}u_1^{27})x_5x_4x_2+$$
$$(-16777216u_6u_3^{45}u_1^{23} - 67108864u_6u_3^{43}u_1^{25} - 33554432u_3^{44}u_1^{25}+$$
$$16777216u_3^{44}u_1^{24} - 134217728u_3^{42}u_1^{27} + 67108864u_3^{42}u_1^{26})x_5x_4+$$
$$(-16777216u_6^2u_3^{42}u_1^{24} + 16777216u_6^2u_3^{42}u_1^{23} - 67108864u_6^2u_3^{40}u_1^{26}+$$
$$67108864u_6^2u_3^{40}u_1^{25})x_4x_2^2+$$
$$(16777216u_6^2u_3^{44}u_1^{23} + 67108864u_6^2u_3^{42}u_1^{25} - 16777216u_6^2u_3^{42}u_1^{24}-$$
$$67108864u_6^2u_3^{40}u_1^{26})x_4x_2$$

S-pol added.

399. Creating S-polynomial from the pair (p_1, p_{226}).

Forming S-pol of p_1 and p_{226}:

$$p_{1463} = (16777216u_6u_3^{42}u_1^{23} - 8388608u_6u_3^{42}u_1^{22} + 67108864u_6u_3^{40}u_1^{25}-$$
$$33554432u_6u_3^{40}u_1^{24} - 8388608u_3^{43}u_1^{23} - 16777216u_3^{41}u_1^{24} + 134217728u_3^{39}u_1^{27}-$$
$$67108864u_3^{39}u_1^{26})x_5x_4x_2+$$
$$(-8388608u_6u_3^{44}u_1^{22} - 33554432u_6u_3^{42}u_1^{24} - 16777216u_3^{43}u_1^{24}+$$
$$8388608u_3^{43}u_1^{23} - 67108864u_3^{41}u_1^{26} + 33554432u_3^{41}u_1^{25})x_5x_4+$$
$$(-8388608u_6^2u_3^{41}u_1^{23} + 8388608u_6^2u_3^{41}u_1^{22} - 33554432u_6^2u_3^{39}u_1^{25}+$$
$$33554432u_6^2u_3^{39}u_1^{24})x_4x_2^2+$$
$$(8388608u_6^2u_3^{43}u_1^{22} + 33554432u_6^2u_3^{41}u_1^{24} - 8388608u_6^2u_3^{41}u_1^{23}-$$
$$33554432u_6^2u_3^{39}u_1^{25})x_4x_2$$

S-pol added.

400. Creating S-polynomial from the pair (p_1, p_{227}).

Forming S-pol of p_1 and p_{227}:

$$p_{1464} = (-536870912u_5u_3^{45}u_1^{29} + 268435456u_5u_3^{45}u_1^{28} + 536870912u_3^{46}u_1^{29} -$$
$$2147483648u_3^{44}u_1^{31} + 1073741824u_3^{44}u_1^{30})x_5x_4x_2 +$$
$$(268435456u_5u_3^{47}u_1^{28} + 1073741824u_3^{46}u_1^{30} - 536870912u_3^{46}u_1^{29})x_5x_4 +$$
$$(536870912u_5^2u_3^{44}u_1^{29} - 268435456u_5^2u_3^{44}u_1^{28})x_5x_2^2 -$$
$$268435456u_5^2u_3^{46}u_1^{28}x_5x_2 +$$
$$(-268435456u_6u_5u_3^{44}u_1^{28} - 536870912u_6u_3^{45}u_1^{29})x_4x_2^2 +$$
$$(-268435456u_6u_5u_3^{46}u_1^{28} + 536870912u_6u_5u_3^{44}u_1^{29} +$$
$$536870912u_6u_3^{45}u_1^{29})x_4x_2 + 268435456u_6u_5^2u_3^{45}u_1^{28}x_2^2 -$$
$$268435456u_6u_5^2u_3^{45}u_1^{28}x_2$$

S-pol added.

401. Creating S-polynomial from the pair (p_1, p_{228}).

Forming S-pol of p_1 and p_{228}:

$$p_{1465} = (-268435456u_5u_3^{44}u_1^{28} + 134217728u_5u_3^{44}u_1^{27} + 268435456u_3^{45}u_1^{28} -$$
$$1073741824u_3^{43}u_1^{30} + 536870912u_3^{43}u_1^{29})x_5x_4x_2 +$$
$$(134217728u_5u_3^{46}u_1^{27} + 536870912u_3^{45}u_1^{29} - 268435456u_3^{45}u_1^{28})x_5x_4 +$$
$$(268435456u_5^2u_3^{43}u_1^{28} - 134217728u_5^2u_3^{43}u_1^{27})x_5x_2^2 -$$
$$134217728u_5^2u_3^{45}u_1^{27}x_5x_2 +$$
$$(-134217728u_6u_5u_3^{43}u_1^{27} - 268435456u_6u_3^{44}u_1^{28})x_4x_2^2 +$$
$$(-134217728u_6u_5u_3^{45}u_1^{27} + 268435456u_6u_5u_3^{43}u_1^{28} +$$
$$268435456u_6u_3^{44}u_1^{28})x_4x_2 + 134217728u_6u_5^2u_3^{44}u_1^{27}x_2^2 -$$
$$134217728u_6u_5^2u_3^{44}u_1^{27}x_2$$

S-pol added.

402. Creating S-polynomial from the pair (p_1, p_{229}).

Forming S-pol of p_1 and p_{229}: Polynomial too big for output (text size is 4273 characters, number of terms is 8)

S-pol added.

403. Creating S-polynomial from the pair (p_1, p_{230}).

Forming S-pol of p_1 and p_{230}: Polynomial too big for output (text size is 2588 characters, number of terms is 8)

S-pol added.

404. Creating S-polynomial from the pair (p_1, p_{231}).

Forming S-pol of p_1 and p_{231}: Polynomial too big for output (text size is 4565 characters, number of terms is 8)

S-pol added.

405. Creating S-polynomial from the pair (p_1, p_{232}).

Forming S-pol of p_1 and p_{232}: Polynomial too big for output (text size is 1315 characters, number of terms is 8)

S-pol added.

406. Creating S-polynomial from the pair (p_1, p_{233}).

Forming S-pol of p_1 and p_{233}: Polynomial too big for output (text size is 1905 characters, number of terms is 8)

S-pol added.

407. Creating S-polynomial from the pair (p_1, p_{234}).

Forming S-pol of p_1 and p_{234}: Polynomial too big for output (text size is 4253 characters, number of terms is 8)

S-pol added.

408. Creating S-polynomial from the pair (p_1, p_{235}).

Forming S-pol of p_1 and p_{235}: Polynomial too big for output (text size is 4548 characters, number of terms is 8)

S-pol added.

409. Creating S-polynomial from the pair (p_1, p_{236}).

Forming S-pol of p_1 and p_{236}:

$$p_{1466} = (-16777216u_6u_3^{37}u_1^{23} + 8388608u_6u_3^{37}u_1^{22} + 8388608u_3^{38}u_1^{23} - 33554432u_3^{36}u_1^{25} + 16777216u_3^{36}u_1^{24})x_5x_4x_2 + (8388608u_6u_3^{39}u_1^{22} + 16777216u_3^{38}u_1^{24} - 8388608u_3^{38}u_1^{23})x_5x_4 + (8388608u_6^2u_3^{36}u_1^{23} - 8388608u_6^2u_3^{36}u_1^{22})x_4x_2^2 + (-8388608u_6^2u_3^{38}u_1^{22} + 8388608u_6^2u_3^{36}u_1^{23})x_4x_2$$

S-pol added.

410. Creating S-polynomial from the pair (p_1, p_{237}).

Forming S-pol of p_1 and p_{237}:

$$p_{1467} = (-8388608u_6u_3^{36}u_1^{22} + 4194304u_6u_3^{36}u_1^{21} + 4194304u_3^{37}u_1^{22} - 16777216u_3^{35}u_1^{24} + 8388608u_3^{35}u_1^{23})x_5x_4x_2 + (4194304u_6u_3^{38}u_1^{21} + 8388608u_3^{37}u_1^{23} - 4194304u_3^{37}u_1^{22})x_5x_4 + (4194304u_6^2u_3^{35}u_1^{22} - 4194304u_6^2u_3^{35}u_1^{21})x_4x_2^2 + (-4194304u_6^2u_3^{37}u_1^{21} + 4194304u_6^2u_3^{35}u_1^{22})x_4x_2$$

S-pol added.

411. Creating S-polynomial from the pair (p_1, p_{238}).

Skipping pair p_1 and p_{238} because gcd of their leading monoms is zero.

412. Creating S-polynomial from the pair (p_1, p_{239}).

Skipping pair p_1 and p_{239} because gcd of their leading monoms is zero.

413. Creating S-polynomial from the pair (p_1, p_{240}).

Skipping pair p_1 and p_{240} because gcd of their leading monoms is zero.

414. Creating S-polynomial from the pair (p_1, p_{241}).

Forming S-pol of p_1 and p_{241}: Polynomial too big for output (text size is 11123 characters, number of terms is 16)

S-pol added.

415. Creating S-polynomial from the pair (p_1, p_{242}).

Skipping pair p_1 and p_{242} because gcd of their leading monoms is zero.

416. Creating S-polynomial from the pair (p_1, p_{243}).

Forming S-pol of p_1 and p_{243}: Polynomial too big for output (text size is 11086 characters, number of terms is 16)

S-pol added.

417. Creating S-polynomial from the pair (p_1, p_{244}).

Skipping pair p_1 and p_{244} because gcd of their leading monoms is zero.

418. Creating S-polynomial from the pair (p_1, p_{245}).

Skipping pair p_1 and p_{245} because gcd of their leading monoms is zero.

419. Creating S-polynomial from the pair (p_1, p_{246}).

Skipping pair p_1 and p_{246} because gcd of their leading monoms is zero.

420. Creating S-polynomial from the pair (p_1, p_{247}).

Skipping pair p_1 and p_{247} because gcd of their leading monoms is zero.

421. Creating S-polynomial from the pair (p_1, p_{248}).

Skipping pair p_1 and p_{248} because gcd of their leading monoms is zero.

422. Creating S-polynomial from the pair (p_1, p_{249}).

Skipping pair p_1 and p_{249} because gcd of their leading monoms is zero.

423. Creating S-polynomial from the pair (p_1, p_{250}).

Skipping pair p_1 and p_{250} because gcd of their leading monoms is zero.

424. Creating S-polynomial from the pair (p_1, p_{251}).

Skipping pair p_1 and p_{251} because gcd of their leading monoms is zero.

425. Creating S-polynomial from the pair (p_1, p_{252}).

Skipping pair p_1 and p_{252} because gcd of their leading monoms is zero.

426. Creating S-polynomial from the pair (p_1, p_{253}).

Skipping pair p_1 and p_{253} because gcd of their leading monoms is zero.

427. Creating S-polynomial from the pair (p_1, p_{254}).

Skipping pair p_1 and p_{254} because gcd of their leading monoms is zero.

428. Creating S-polynomial from the pair (p_1, p_{255}).

Skipping pair p_1 and p_{255} because gcd of their leading monoms is zero.

429. Creating S-polynomial from the pair (p_1, p_{256}).

Forming S-pol of p_1 and p_{256}: Polynomial too big for output (text size is 5790 characters, number of terms is 8)

S-pol added.

430. Creating S-polynomial from the pair (p_1, p_{257}).

Skipping pair p_1 and p_{257} because gcd of their leading monoms is zero.

431. Creating S-polynomial from the pair (p_1, p_{258}).

Forming S-pol of p_1 and p_{258}: Polynomial too big for output (text size is 5768 characters, number of terms is 8)

S-pol added.

432. Creating S-polynomial from the pair (p_1, p_{259}).

Skipping pair p_1 and p_{259} because gcd of their leading monoms is zero.

433. Creating S-polynomial from the pair (p_1, p_{260}).

Skipping pair p_1 and p_{260} because gcd of their leading monoms is zero.

434. Creating S-polynomial from the pair (p_1, p_{261}).

Skipping pair p_1 and p_{261} because gcd of their leading monoms is zero.

435. Creating S-polynomial from the pair (p_1, p_{262}).

Skipping pair p_1 and p_{262} because gcd of their leading monoms is zero.

436. Creating S-polynomial from the pair (p_1, p_{263}).

Skipping pair p_1 and p_{263} because gcd of their leading monoms is zero.

437. Creating S-polynomial from the pair (p_1, p_{264}).

Skipping pair p_1 and p_{264} because gcd of their leading monoms is zero.

438. Creating S-polynomial from the pair (p_1, p_{265}).

Skipping pair p_1 and p_{265} because gcd of their leading monoms is zero.

439. Creating S-polynomial from the pair (p_1, p_{266}).

Skipping pair p_1 and p_{266} because gcd of their leading monoms is zero.

440. Creating S-polynomial from the pair (p_1, p_{267}).

Forming S-pol of p_1 and p_{267}: Polynomial too big for output (text size is 10898 characters, number of terms is 16)

S-pol added.

441. Creating S-polynomial from the pair (p_1, p_{268}).

Skipping pair p_1 and p_{268} because gcd of their leading monoms is zero.

442. Creating S-polynomial from the pair (p_1, p_{269}).

Forming S-pol of p_1 and p_{269}: Polynomial too big for output (text size is 10847 characters, number of terms is 16)

S-pol added.

443. Creating S-polynomial from the pair (p_1, p_{270}).

Skipping pair p_1 and p_{270} because gcd of their leading monoms is zero.

444. Creating S-polynomial from the pair (p_1, p_{271}).

Skipping pair p_1 and p_{271} because gcd of their leading monoms is zero.

445. Creating S-polynomial from the pair (p_1, p_{272}).

Skipping pair p_1 and p_{272} because gcd of their leading monoms is zero.

446. Creating S-polynomial from the pair (p_1, p_{273}).

Skipping pair p_1 and p_{273} because gcd of their leading monoms is zero.

447. Creating S-polynomial from the pair (p_1, p_{274}).

Skipping pair p_1 and p_{274} because gcd of their leading monoms is zero.

448. Creating S-polynomial from the pair (p_1, p_{275}).

Skipping pair p_1 and p_{275} because gcd of their leading monoms is zero.

449. Creating S-polynomial from the pair (p_1, p_{276}).

Skipping pair p_1 and p_{276} because gcd of their leading monoms is zero.

450. Creating S-polynomial from the pair (p_1, p_{277}).

Skipping pair p_1 and p_{277} because gcd of their leading monoms is zero.

451. Creating S-polynomial from the pair (p_1, p_{278}).

Skipping pair p_1 and p_{278} because gcd of their leading monoms is zero.

452. Creating S-polynomial from the pair (p_1, p_{279}).

Skipping pair p_1 and p_{279} because gcd of their leading monoms is zero.

453. Creating S-polynomial from the pair (p_1, p_{280}).

Skipping pair p_1 and p_{280} because gcd of their leading monoms is zero.

454. Creating S-polynomial from the pair (p_1, p_{281}).

Skipping pair p_1 and p_{281} because gcd of their leading monoms is zero.

455. Creating S-polynomial from the pair (p_1, p_{282}).

Forming S-pol of p_1 and p_{282}: Polynomial too big for output (text size is 5418 characters, number of terms is 8)

S-pol added.

456. Creating S-polynomial from the pair (p_1, p_{283}).

Skipping pair p_1 and p_{283} because gcd of their leading monoms is zero.

457. Creating S-polynomial from the pair (p_1, p_{284}).

Forming S-pol of p_1 and p_{284}: Polynomial too big for output (text size is 5394 characters, number of terms is 8)

S-pol added.

458. Creating S-polynomial from the pair (p_1, p_{285}).

Skipping pair p_1 and p_{285} because gcd of their leading monoms is zero.

459. Creating S-polynomial from the pair (p_1, p_{286}).

Skipping pair p_1 and p_{286} because gcd of their leading monoms is zero.

460. Creating S-polynomial from the pair (p_1, p_{287}).

Skipping pair p_1 and p_{287} because gcd of their leading monoms is zero.

461. Creating S-polynomial from the pair (p_1, p_{288}).

Skipping pair p_1 and p_{288} because gcd of their leading monoms is zero.

462. Creating S-polynomial from the pair (p_1, p_{289}).

Skipping pair p_1 and p_{289} because gcd of their leading monoms is zero.

463. Creating S-polynomial from the pair (p_1, p_{290}).

Skipping pair p_1 and p_{290} because gcd of their leading monoms is zero.

464. Creating S-polynomial from the pair (p_1, p_{291}).

Skipping pair p_1 and p_{291} because gcd of their leading monoms is zero.

465. Creating S-polynomial from the pair (p_1, p_{292}).

Skipping pair p_1 and p_{292} because gcd of their leading monoms is zero.

466. Creating S-polynomial from the pair (p_1, p_{293}).

Skipping pair p_1 and p_{293} because gcd of their leading monoms is zero.

467. Creating S-polynomial from the pair (p_1, p_{294}).

Skipping pair p_1 and p_{294} because gcd of their leading monoms is zero.

468. Creating S-polynomial from the pair (p_1, p_{295}).

Skipping pair p_1 and p_{295} because gcd of their leading monoms is zero.

469. Creating S-polynomial from the pair (p_1, p_{296}).

Skipping pair p_1 and p_{296} because gcd of their leading monoms is zero.

470. Creating S-polynomial from the pair (p_1, p_{297}).

Skipping pair p_1 and p_{297} because gcd of their leading monoms is zero.

471. Creating S-polynomial from the pair (p_1, p_{298}).

Skipping pair p_1 and p_{298} because gcd of their leading monoms is zero.

472. Creating S-polynomial from the pair (p_1, p_{299}).

Forming S-pol of p_1 and p_{299}: Polynomial too big for output (text size is 3266 characters, number of terms is 8)

S-pol added.

473. Creating S-polynomial from the pair (p_1, p_{300}).

Skipping pair p_1 and p_{300} because gcd of their leading monoms is zero.

474. Creating S-polynomial from the pair (p_1, p_{301}).

Forming S-pol of p_1 and p_{301}: Polynomial too big for output (text size is 5117 characters, number of terms is 16)

S-pol added.

475. Creating S-polynomial from the pair (p_1, p_{302}).

Forming S-pol of p_1 and p_{302}:

$$p_{1468} = -140737488355328u_6u_3^{71}u_2^{49}u_1^{47}x_5x_4x_2^2+$$
$$(-140737488355328u_6u_3^{72}u_2^{48}u_1^{47} - 562949953421312u_3^{72}u_2^{47}u_1^{49}+$$
$$281474976710656u_3^{72}u_2^{47}u_1^{48})x_5x_4x_2x_1+$$
$$(140737488355328u_6u_3^{72}u_2^{48}u_1^{47} + 281474976710656u_6u_3^{71}u_2^{49}u_1^{48}+$$
$$281474976710656u_3^{72}u_2^{49}u_1^{48})x_5x_4x_2+$$
$$(-281474976710656u_6u_3^{73}u_2^{47}u_1^{48} + 140737488355328u_6u_3^{73}u_2^{47}u_1^{47})x_5x_4x_1+$$
$$140737488355328u_6^2u_3^{71}u_2^{48}u_1^{47}x_4x_2^2x_1-$$
$$140737488355328u_6^2u_3^{71}u_2^{48}u_1^{47}x_4x_2^2+$$
$$(281474976710656u_6^2u_3^{72}u_2^{47}u_1^{48} - 140737488355328u_6^2u_3^{72}u_2^{47}u_1^{47}-$$
$$281474976710656u_6^2u_3^{71}u_2^{48}u_1^{48})x_4x_2x_1+$$
$$(-140737488355328u_6^2u_3^{72}u_2^{49}u_1^{47}+$$
$$281474976710656u_6^2u_3^{71}u_2^{48}u_1^{48})x_4x_2$$

S-pol added.

476. Creating S-polynomial from the pair (p_1, p_{303}).

Forming S-pol of p_1 and p_{303}: Polynomial too big for output (text size is 3046 characters, number of terms is 8)

S-pol added.

477. Creating S-polynomial from the pair (p_1, p_{304}).

Forming S-pol of p_1 and p_{304}: Polynomial too big for output (text size is 2279 characters, number of terms is 8)

S-pol added.

478. Creating S-polynomial from the pair (p_1, p_{305}).

Skipping pair p_1 and p_{305} because gcd of their leading monoms is zero.

479. Creating S-polynomial from the pair (p_1, p_{306}).
Skipping pair p_1 and p_{306} because gcd of their leading monoms is zero.

480. Creating S-polynomial from the pair (p_1, p_{307}).
Skipping pair p_1 and p_{307} because gcd of their leading monoms is zero.

481. Creating S-polynomial from the pair (p_1, p_{308}).
Skipping pair p_1 and p_{308} because gcd of their leading monoms is zero.

482. Creating S-polynomial from the pair (p_1, p_{309}).
Skipping pair p_1 and p_{309} because gcd of their leading monoms is zero.

483. Creating S-polynomial from the pair (p_1, p_{310}).
Skipping pair p_1 and p_{310} because gcd of their leading monoms is zero.

484. Creating S-polynomial from the pair (p_1, p_{311}).
Skipping pair p_1 and p_{311} because gcd of their leading monoms is zero.

485. Creating S-polynomial from the pair (p_1, p_{312}).
Skipping pair p_1 and p_{312} because gcd of their leading monoms is zero.

486. Creating S-polynomial from the pair (p_1, p_{313}).
Forming S-pol of p_1 and p_{313}:

$$p_{1469} = (-8388608u_5u_3^{35}u_1^{23}+33554432u_5u_3^{33}u_1^{25}-16777216u_5u_3^{33}u_1^{24})x_5x_4x_2+$$
$$(-16777216u_5u_3^{35}u_1^{24} + 8388608u_5u_3^{35}u_1^{23})x_5x_4+$$
$$8388608u_6u_5u_3^{34}u_1^{23}x_4x_2^2 - 8388608u_6u_5u_3^{34}u_1^{23}x_4x_2$$

S-pol added.

487. Creating S-polynomial from the pair (p_1, p_{314}).
Forming S-pol of p_1 and p_{314}:

$$p_{1470} = (-4194304u_5u_3^{34}u_1^{22}+16777216u_5u_3^{32}u_1^{24}-8388608u_5u_3^{32}u_1^{23})x_5x_4x_2+$$
$$(-8388608u_5u_3^{34}u_1^{23} + 4194304u_5u_3^{34}u_1^{22})x_5x_4+$$
$$4194304u_6u_5u_3^{33}u_1^{22}x_4x_2^2 - 4194304u_6u_5u_3^{33}u_1^{22}x_4x_2$$

S-pol added.

488. Creating S-polynomial from the pair (p_1, p_{315}).
Forming S-pol of p_1 and p_{315}:

$$p_{1471} = (-140737488355328u_5^2u_3^{75}u_1^{47} + 70368744177664u_5^2u_3^{75}u_1^{46}+$$
$$140737488355328u_5u_3^{76}u_1^{47} - 562949953421312u_5u_3^{74}u_1^{49}+$$
$$281474976710656u_5u_3^{74}u_1^{48})x_5x_4x_2+$$
$$(70368744177664u_5^2u_3^{77}u_1^{46} + 281474976710656u_5u_3^{76}u_1^{48}-$$
$$140737488355328u_5u_3^{76}u_1^{47})x_5x_4+$$

$$(140737488355328u_5^3u_3^{74}u_1^{47} - 70368744177664u_5^3u_3^{74}u_1^{46})x_5x_2^2-$$
$$70368744177664u_5^3u_3^{76}u_1^{46}x_5x_2+$$
$$(-70368744177664u_6u_5^2u_3^{74}u_1^{46} - 140737488355328u_6u_5u_3^{75}u_1^{47})x_4x_2^2+$$
$$(-70368744177664u_6u_5^2u_3^{76}u_1^{46} + 140737488355328u_6u_5^2u_3^{74}u_1^{47}+$$
$$140737488355328u_6u_5u_3^{75}u_1^{47})x_4x_2 + 70368744177664u_6u_5^3u_3^{75}u_1^{46}x_2^2-$$
$$70368744177664u_6u_5^3u_3^{75}u_1^{46}x_2$$

S-pol added.

489. Creating S-polynomial from the pair (p_1, p_{316}).

Forming S-pol of p_1 and p_{316}:

$$p_{1472} = (-70368744177664u_5^2u_3^{74}u_1^{46} + 35184372088832u_5^2u_3^{74}u_1^{45}+$$
$$70368744177664u_5u_3^{75}u_1^{46} - 281474976710656u_5u_3^{73}u_1^{48}+$$
$$140737488355328u_5u_3^{73}u_1^{47})x_5x_4x_2+$$
$$(35184372088832u_5^2u_3^{76}u_1^{45} + 140737488355328u_5u_3^{75}u_1^{47}-$$
$$70368744177664u_5u_3^{75}u_1^{46})x_5x_4+$$
$$(70368744177664u_5^3u_3^{73}u_1^{46} - 35184372088832u_5^3u_3^{73}u_1^{45})x_5x_2^2-$$
$$35184372088832u_5^3u_3^{75}u_1^{45}x_5x_2+$$
$$(-35184372088832u_6u_5^2u_3^{73}u_1^{45} - 70368744177664u_6u_5u_3^{74}u_1^{46})x_4x_2^2+$$
$$(-35184372088832u_6u_5^2u_3^{75}u_1^{45} + 70368744177664u_6u_5^2u_3^{73}u_1^{46}+$$
$$70368744177664u_6u_5u_3^{74}u_1^{46})x_4x_2 + 35184372088832u_6u_5^3u_3^{74}u_1^{45}x_2^2-$$
$$35184372088832u_6u_5^3u_3^{74}u_1^{45}x_2$$

S-pol added.

490. Creating S-polynomial from the pair (p_1, p_{317}).

Forming S-pol of p_1 and p_{317}:

$$p_{1473} = (-1073741824u_5u_3^{45}u_1^{30}+536870912u_5u_3^{45}u_1^{29}+1073741824u_3^{46}u_1^{30}-$$
$$4294967296u_3^{44}u_1^{32} + 2147483648u_3^{44}u_1^{31})x_5x_4x_2+$$
$$(536870912u_5u_3^{47}u_1^{29} + 2147483648u_3^{46}u_1^{31} - 1073741824u_3^{46}u_1^{30})x_5x_4+$$
$$(1073741824u_5^2u_3^{44}u_1^{30} - 536870912u_5^2u_3^{44}u_1^{29})x_5x_2^2-$$
$$536870912u_5^2u_3^{46}u_1^{29}x_5x_2+$$
$$(-536870912u_6u_5u_3^{44}u_1^{29} - 1073741824u_6u_3^{45}u_1^{30})x_4x_2^2+$$
$$(-536870912u_6u_5u_3^{46}u_1^{29} + 1073741824u_6u_5u_3^{44}u_1^{30}+$$
$$1073741824u_6u_3^{45}u_1^{30})x_4x_2 + 536870912u_6u_5^2u_3^{45}u_1^{29}x_2^2-$$
$$536870912u_6u_5^2u_3^{45}u_1^{29}x_2$$

S-pol added.

491. Creating S-polynomial from the pair (p_1, p_{318}).

Forming S-pol of p_1 and p_{318}:

$$p_{1474} = (-536870912u_5u_3^{44}u_1^{29} + 268435456u_5u_3^{44}u_1^{28} + 536870912u_3^{45}u_1^{29} - 2147483648u_3^{43}u_1^{31} + 1073741824u_3^{43}u_1^{30})x_5x_4x_2 + (268435456u_5u_3^{46}u_1^{28} + 1073741824u_3^{45}u_1^{30} - 536870912u_3^{45}u_1^{29})x_5x_4 + (536870912u_5^2u_3^{43}u_1^{29} - 268435456u_5^2u_3^{43}u_1^{28})x_5x_2^2 - 268435456u_5^2u_3^{45}u_1^{28}x_5x_2 + (-268435456u_6u_5u_3^{43}u_1^{28} - 536870912u_6u_3^{44}u_1^{29})x_4x_2^2 + (-268435456u_6u_5u_3^{45}u_1^{28} + 536870912u_6u_5u_3^{43}u_1^{29} + 536870912u_6u_3^{44}u_1^{29})x_4x_2 + 268435456u_6u_5^2u_3^{44}u_1^{28}x_2^2 - 268435456u_6u_5^2u_3^{44}u_1^{28}x_2$$

S-pol added.

492. Creating S-polynomial from the pair (p_1, p_{319}).

Forming S-pol of p_1 and p_{319}:

$$p_{1475} = (-1073741824u_5u_3^{45}u_1^{30} + 536870912u_5u_3^{45}u_1^{29} + 1073741824u_3^{46}u_1^{30} - 4294967296u_3^{44}u_1^{32} + 2147483648u_3^{44}u_1^{31})x_5x_4x_2 + (536870912u_5u_3^{47}u_1^{29} + 2147483648u_3^{46}u_1^{31} - 1073741824u_3^{46}u_1^{30})x_5x_4 + (1073741824u_5^2u_3^{44}u_1^{30} - 536870912u_5^2u_3^{44}u_1^{29})x_5x_2^2 - 536870912u_5^2u_3^{46}u_1^{29}x_5x_2 + (-536870912u_6u_5u_3^{44}u_1^{29} - 1073741824u_6u_3^{45}u_1^{30})x_4x_2^2 + (-536870912u_6u_5u_3^{46}u_1^{29} + 1073741824u_6u_5u_3^{44}u_1^{30} + 1073741824u_6u_3^{45}u_1^{30})x_4x_2 + 536870912u_6u_5^2u_3^{45}u_1^{29}x_2^2 - 536870912u_6u_5^2u_3^{45}u_1^{29}x_2$$

S-pol added.

493. Creating S-polynomial from the pair (p_1, p_{320}).

Forming S-pol of p_1 and p_{320}:

$$p_{1476} = (-2147483648u_5u_3^{50}u_1^{31} + 1073741824u_5u_3^{50}u_1^{30} + 2147483648u_3^{51}u_1^{31} - 8589934592u_3^{49}u_1^{33} + 4294967296u_3^{49}u_1^{32})x_5x_4x_2 + (1073741824u_5u_3^{52}u_1^{30} + 4294967296u_3^{51}u_1^{32} - 2147483648u_3^{51}u_1^{31})x_5x_4 + (2147483648u_5^2u_3^{49}u_1^{31} - 1073741824u_5^2u_3^{49}u_1^{30})x_5x_2^2 - 1073741824u_5^2u_3^{51}u_1^{30}x_5x_2 + (-1073741824u_6u_5u_3^{49}u_1^{30} - 2147483648u_6u_3^{50}u_1^{31})x_4x_2^2 + (-1073741824u_6u_5u_3^{51}u_1^{30} + 2147483648u_6u_5u_3^{49}u_1^{31} + 2147483648u_6u_3^{50}u_1^{31})x_4x_2 + 1073741824u_6u_5^2u_3^{50}u_1^{30}x_2^2 - 1073741824u_6u_5^2u_3^{50}u_1^{30}x_2$$

S-pol added.

494. Creating S-polynomial from the pair (p_1, p_{321}).

Forming S-pol of p_1 and p_{321}:

$$p_{1477} = (-32768u_3^{25}u_1^{15} + 131072u_3^{23}u_1^{17} - 65536u_3^{23}u_1^{16})x_5x_4x_2+$$
$$(-65536u_3^{25}u_1^{16} + 32768u_3^{25}u_1^{15})x_5x_4 + 32768u_6u_3^{24}u_1^{15}x_4x_2^2-$$
$$32768u_6u_3^{24}u_1^{15}x_4x_2$$

S-pol added.

495. Creating S-polynomial from the pair (p_1, p_{322}).

Forming S-pol of p_1 and p_{322}: Polynomial too big for output (text size is 3266 characters, number of terms is 8)

S-pol added.

496. Creating S-polynomial from the pair (p_1, p_{323}).

Forming S-pol of p_1 and p_{323}: Polynomial too big for output (text size is 2763 characters, number of terms is 8)

S-pol added.

497. Creating S-polynomial from the pair (p_1, p_{324}).

Forming S-pol of p_1 and p_{324}:

$$p_{1478} = (2097152u_3^{36}u_1^{21} - 8388608u_3^{34}u_1^{23} + 4194304u_3^{34}u_1^{22})x_5x_4x_2+$$
$$(4194304u_3^{36}u_1^{22} - 2097152u_3^{36}u_1^{21})x_5x_4+$$
$$(2097152u_5^2u_3^{34}u_1^{21} - 1048576u_5^2u_3^{34}u_1^{20})x_5x_2^2-$$
$$1048576u_5^2u_3^{36}u_1^{20}x_5x_2 - 2097152u_6u_3^{35}u_1^{21}x_4x_2^2+$$
$$2097152u_6u_3^{35}u_1^{21}x_4x_2 + 1048576u_6u_5^2u_3^{35}u_1^{20}x_2^2-$$
$$1048576u_6u_5^2u_3^{35}u_1^{20}x_2$$

S-pol added.

498. Creating S-polynomial from the pair (p_1, p_{325}).

Forming S-pol of p_1 and p_{325}:

$$p_{1479} = (4194304u_3^{30}u_1^{22} - 16777216u_3^{28}u_1^{24} + 8388608u_3^{28}u_1^{23})x_5x_4x_2+$$
$$(8388608u_3^{30}u_1^{23} - 4194304u_3^{30}u_1^{22})x_5x_4+$$
$$(4194304u_5^2u_3^{28}u_1^{22} - 2097152u_5^2u_3^{28}u_1^{21})x_5x_2^2-$$
$$2097152u_5^2u_3^{30}u_1^{21}x_5x_2 - 4194304u_6u_3^{29}u_1^{22}x_4x_2^2+$$
$$4194304u_6u_3^{29}u_1^{22}x_4x_2 + 2097152u_6u_5^2u_3^{29}u_1^{21}x_2^2-$$
$$2097152u_6u_5^2u_3^{29}u_1^{21}x_2$$

S-pol added.

499. Creating S-polynomial from the pair (p_1, p_{326}).

Forming S-pol of p_1 and p_{326}: Polynomial too big for output (text size is 2949 characters, number of terms is 8)

S-pol added.

500. Creating S-polynomial from the pair (p_1, p_{327}).

Forming S-pol of p_1 and p_{327}: Polynomial too big for output (text size is 2829 characters, number of terms is 8)

S-pol added.

501. Creating S-polynomial from the pair (p_1, p_{328}).

Forming S-pol of p_1 and p_{328}: Polynomial too big for output (text size is 6165 characters, number of terms is 16)

S-pol added.

502. Creating S-polynomial from the pair (p_1, p_{329}).

Forming S-pol of p_1 and p_{329}: Polynomial too big for output (text size is 1160 characters, number of terms is 8)

S-pol added.

503. Creating S-polynomial from the pair (p_1, p_{330}).

Forming S-pol of p_1 and p_{330}: Polynomial too big for output (text size is 2838 characters, number of terms is 8)

S-pol added.

504. Creating S-polynomial from the pair (p_1, p_{331}).

Forming S-pol of p_1 and p_{331}: Polynomial too big for output (text size is 6210 characters, number of terms is 16)

S-pol added.

505. Creating S-polynomial from the pair (p_1, p_{332}).

Forming S-pol of p_1 and p_{332}: Polynomial too big for output (text size is 1176 characters, number of terms is 8)

S-pol added.

506. Creating S-polynomial from the pair (p_1, p_{333}).

Forming S-pol of p_1 and p_{333}: Polynomial too big for output (text size is 2840 characters, number of terms is 8)

S-pol added.

507. Creating S-polynomial from the pair (p_1, p_{334}).

Forming S-pol of p_1 and p_{334}:

$$p_{1480} = (16384u_3^{24}u_1^{14} - 65536u_3^{22}u_1^{16} + 32768u_3^{22}u_1^{15})x_5x_4x_2 +$$
$$(32768u_3^{24}u_1^{15} - 16384u_3^{24}u_1^{14})x_5x_4 - 16384u_6u_3^{23}u_1^{14}x_4x_2^2 +$$
$$16384u_6u_3^{23}u_1^{14}x_4x_2$$

S-pol added.

508. Creating S-polynomial from the pair (p_1, p_{335}).
Skipping pair p_1 and p_{335} because gcd of their leading monoms is zero.

509. Creating S-polynomial from the pair (p_1, p_{336}).
Skipping pair p_1 and p_{336} because gcd of their leading monoms is zero.

510. Creating S-polynomial from the pair (p_1, p_{337}).
Skipping pair p_1 and p_{337} because gcd of their leading monoms is zero.

511. Creating S-polynomial from the pair (p_1, p_{338}).
Skipping pair p_1 and p_{338} because gcd of their leading monoms is zero.

512. Creating S-polynomial from the pair (p_1, p_{339}).
Skipping pair p_1 and p_{339} because gcd of their leading monoms is zero.

513. Creating S-polynomial from the pair (p_1, p_{340}).
Skipping pair p_1 and p_{340} because gcd of their leading monoms is zero.

514. Creating S-polynomial from the pair (p_1, p_{341}).
Skipping pair p_1 and p_{341} because gcd of their leading monoms is zero.

515. Creating S-polynomial from the pair (p_1, p_{342}).
Skipping pair p_1 and p_{342} because gcd of their leading monoms is zero.

516. Creating S-polynomial from the pair (p_1, p_{343}).
Skipping pair p_1 and p_{343} because gcd of their leading monoms is zero.

517. Creating S-polynomial from the pair (p_1, p_{344}).
Forming S-pol of p_1 and p_{344}: Polynomial too big for output (text size is 5086 characters, number of terms is 16)
S-pol added.

518. Creating S-polynomial from the pair (p_1, p_{345}).
Forming S-pol of p_1 and p_{345}:

$$p_{1481} = (-35184372088832u_6u_4^{48}u_3^{66}u_1^{45} - 140737488355328u_4^{47}u_3^{66}u_1^{47} + 70368744177664u_4^{47}u_3^{66}u_1^{46})x_5x_4x_3x_2 + (-70368744177664u_6u_4^{47}u_3^{67}u_1^{46} + 35184372088832u_6u_4^{47}u_3^{67}u_1^{45})x_5x_4x_3 - 35184372088832u_6u_4^{49}u_3^{65}u_1^{45}x_5x_4x_2^2 + (70368744177664u_6u_4^{49}u_3^{65}u_1^{46} + 35184372088832u_6u_4^{48}u_3^{66}u_1^{45} + 70368744177664u_4^{49}u_3^{66}u_1^{46})x_5x_4x_2 + 35184372088832u_6^2u_4^{48}u_3^{65}u_1^{45}x_4x_3x_2^2 + (-70368744177664u_6^2u_4^{48}u_3^{65}u_1^{46} + 70368744177664u_6^2u_4^{47}u_3^{66}u_1^{46} - 35184372088832u_6^2u_4^{47}u_3^{66}u_1^{45})x_4x_3x_2 - 35184372088832u_6^2u_4^{48}u_3^{65}u_1^{45}x_4x_2^2 + (-35184372088832u_6^2u_4^{49}u_3^{66}u_1^{45} + 70368744177664u_6^2u_4^{48}u_3^{65}u_1^{46})x_4x_2$$

S-pol added.

519. Creating S-polynomial from the pair (p_1, p_{346}).

Forming S-pol of p_1 and p_{346}: Polynomial too big for output (text size is 3044 characters, number of terms is 8)

S-pol added.

520. Creating S-polynomial from the pair (p_1, p_{347}).

Forming S-pol of p_1 and p_{347}: Polynomial too big for output (text size is 2377 characters, number of terms is 8)

S-pol added.

521. Creating S-polynomial from the pair (p_1, p_{348}).

Skipping pair p_1 and p_{348} because gcd of their leading monoms is zero.

522. Creating S-polynomial from the pair (p_1, p_{349}).

Skipping pair p_1 and p_{349} because gcd of their leading monoms is zero.

523. Creating S-polynomial from the pair (p_1, p_{350}).

Skipping pair p_1 and p_{350} because gcd of their leading monoms is zero.

524. Creating S-polynomial from the pair (p_1, p_{351}).

Skipping pair p_1 and p_{351} because gcd of their leading monoms is zero.

525. Creating S-polynomial from the pair (p_1, p_{352}).

Skipping pair p_1 and p_{352} because gcd of their leading monoms is zero.

526. Creating S-polynomial from the pair (p_1, p_{353}).

Skipping pair p_1 and p_{353} because gcd of their leading monoms is zero.

527. Creating S-polynomial from the pair (p_1, p_{354}).

Skipping pair p_1 and p_{354} because gcd of their leading monoms is zero.

528. Creating S-polynomial from the pair (p_1, p_{355}).

Skipping pair p_1 and p_{355} because gcd of their leading monoms is zero.

529. Creating S-polynomial from the pair (p_1, p_{356}).

Forming S-pol of p_1 and p_{356}: Polynomial too big for output (text size is 1404 characters, number of terms is 8)

S-pol added.

530. Creating S-polynomial from the pair (p_1, p_{357}).

Forming S-pol of p_1 and p_{357}: Polynomial too big for output (text size is 2055 characters, number of terms is 8)

S-pol added.

531. Creating S-polynomial from the pair (p_1, p_{358}).

Forming S-pol of p_1 and p_{358}: Polynomial too big for output (text size is 5104 characters, number of terms is 16)

S-pol added.

532. Creating S-polynomial from the pair (p_1, p_{359}).

Forming S-pol of p_1 and p_{359}: Polynomial too big for output (text size is 5058 characters, number of terms is 16)

S-pol added.

533. Creating S-polynomial from the pair (p_1, p_{360}).

Forming S-pol of p_1 and p_{360}:

$$p_{1482} = (-262144u_3^{29}u_1^{18} + 1048576u_3^{27}u_1^{20} - 524288u_3^{27}u_1^{19})x_5x_4x_2+$$
$$(-524288u_3^{29}u_1^{19} + 262144u_3^{29}u_1^{18})x_5x_4+$$
$$(-262144u_5^2u_3^{27}u_1^{18} + 131072u_5^2u_3^{27}u_1^{17})x_5x_2^2+$$
$$131072u_5^2u_3^{29}u_1^{17}x_5x_2 + 262144u_6u_3^{28}u_1^{18}x_4x_2^2-$$
$$262144u_6u_3^{28}u_1^{18}x_4x_2 - 131072u_6u_5^2u_3^{28}u_1^{17}x_2^2+$$
$$131072u_6u_5^2u_3^{28}u_1^{17}x_2$$

S-pol added.

534. Creating S-polynomial from the pair (p_1, p_{361}).

Forming S-pol of p_1 and p_{361}:

$$p_{1483} = 70368744177664u_6u_3^{71}u_2^{48}u_1^{46}x_5x_4x_2^2+$$
$$(70368744177664u_6u_3^{72}u_2^{47}u_1^{46} + 281474976710656u_3^{72}u_2^{46}u_1^{48}-$$
$$140737488355328u_3^{72}u_2^{46}u_1^{47})x_5x_4x_2x_1+$$
$$(-70368744177664u_6u_3^{72}u_2^{47}u_1^{46} - 140737488355328u_6u_3^{71}u_2^{48}u_1^{47}-$$
$$140737488355328u_3^{72}u_2^{48}u_1^{47})x_5x_4x_2+$$
$$(140737488355328u_6u_3^{73}u_2^{46}u_1^{47} - 70368744177664u_6u_3^{73}u_2^{46}u_1^{46})x_5x_4x_1-$$
$$70368744177664u_6^2u_3^{71}u_2^{47}u_1^{46}x_4x_2^2x_1+$$
$$70368744177664u_6^2u_3^{71}u_2^{47}u_1^{46}x_4x_2^2+$$
$$(-140737488355328u_6^2u_3^{72}u_2^{46}u_1^{47} + 70368744177664u_6^2u_3^{72}u_2^{46}u_1^{46}+$$
$$140737488355328u_6^2u_3^{71}u_2^{47}u_1^{47})x_4x_2x_1+$$
$$(70368744177664u_6^2u_3^{72}u_2^{48}u_1^{46} - 140737488355328u_6^2u_3^{71}u_2^{47}u_1^{47})x_4x_2$$

S-pol added.

535. Creating S-polynomial from the pair (p_1, p_{362}).

Forming S-pol of p_1 and p_{362}:

$$p_{1484} = (17592186044416u_6u_4^{47}u_3^{66}u_1^{44} + 70368744177664u_4^{46}u_3^{66}u_1^{46}-$$
$$35184372088832u_4^{46}u_3^{66}u_1^{45})x_5x_4x_3x_2+$$
$$(35184372088832u_6u_4^{46}u_3^{67}u_1^{45} - 17592186044416u_6u_4^{46}u_3^{67}u_1^{44})x_5x_4x_3+$$
$$17592186044416u_6u_4^{48}u_3^{65}u_1^{44}x_5x_4x_2^2+$$

$$(-35184372088832u_6u_4^{48}u_3^{65}u_1^{45} - 17592186044416u_6u_4^{47}u_3^{66}u_1^{44} -$$
$$35184372088832u_4^{48}u_3^{66}u_1^{45})x_5x_4x_2 -$$
$$17592186044416u_6^2u_4^{47}u_3^{65}u_1^{44}x_4x_3x_2^2 +$$
$$(35184372088832u_6^2u_4^{47}u_3^{65}u_1^{45} - 35184372088832u_6^2u_4^{46}u_3^{66}u_1^{45} +$$
$$17592186044416u_6^2u_4^{46}u_3^{66}u_1^{44})x_4x_3x_2 +$$
$$17592186044416u_6^2u_4^{47}u_3^{65}u_1^{44}x_4x_2^2 +$$
$$(17592186044416u_6^2u_4^{48}u_3^{66}u_1^{44} - 35184372088832u_6^2u_4^{47}u_3^{65}u_1^{45})x_4x_2$$

S-pol added.

536. Creating S-polynomial from the pair (p_1, p_{363}).

Forming S-pol of p_1 and p_{363}: Polynomial too big for output (text size is 2936 characters, number of terms is 8)

S-pol added.

537. Creating S-polynomial from the pair (p_1, p_{364}).

Forming S-pol of p_1 and p_{364}: Polynomial too big for output (text size is 2822 characters, number of terms is 8)

S-pol added.

538. Creating S-polynomial from the pair (p_1, p_{365}).

Forming S-pol of p_1 and p_{365}: Polynomial too big for output (text size is 6136 characters, number of terms is 16)

S-pol added.

539. Creating S-polynomial from the pair (p_1, p_{366}).

Forming S-pol of p_1 and p_{366}: Polynomial too big for output (text size is 1157 characters, number of terms is 8)

S-pol added.

540. Creating S-polynomial from the pair (p_1, p_{367}).

Forming S-pol of p_1 and p_{367}: Polynomial too big for output (text size is 1992 characters, number of terms is 8)

S-pol added.

541. Creating S-polynomial from the pair (p_1, p_{368}).

Forming S-pol of p_1 and p_{368}: Polynomial too big for output (text size is 6188 characters, number of terms is 16)

S-pol added.

542. Creating S-polynomial from the pair (p_1, p_{369}).

Forming S-pol of p_1 and p_{369}: Polynomial too big for output (text size is 1168 characters, number of terms is 8)

S-pol added.

543. Creating S-polynomial from the pair (p_1, p_{370}).

Forming S-pol of p_1 and p_{370}: Polynomial too big for output (text size is 1994 characters, number of terms is 8)

S-pol added.

544. Creating S-polynomial from the pair (p_1, p_{371}).

Forming S-pol of p_1 and p_{371}: Polynomial too big for output (text size is 2278 characters, number of terms is 8)

S-pol added.

545. Creating S-polynomial from the pair (p_1, p_{372}).

Forming S-pol of p_1 and p_{372}: Polynomial too big for output (text size is 2368 characters, number of terms is 8)

S-pol added.

546. Creating S-polynomial from the pair (p_1, p_{373}).

Skipping pair p_1 and p_{373} because gcd of their leading monoms is zero.

547. Creating S-polynomial from the pair (p_1, p_{374}).

Skipping pair p_1 and p_{374} because gcd of their leading monoms is zero.

548. Creating S-polynomial from the pair (p_1, p_{375}).

Skipping pair p_1 and p_{375} because gcd of their leading monoms is zero.

549. Creating S-polynomial from the pair (p_1, p_{376}).

Skipping pair p_1 and p_{376} because gcd of their leading monoms is zero.

550. Creating S-polynomial from the pair (p_1, p_{377}).

Skipping pair p_1 and p_{377} because gcd of their leading monoms is zero.

551. Creating S-polynomial from the pair (p_1, p_{378}).

Skipping pair p_1 and p_{378} because gcd of their leading monoms is zero.

552. Creating S-polynomial from the pair (p_1, p_{379}).

Skipping pair p_1 and p_{379} because gcd of their leading monoms is zero.

553. Creating S-polynomial from the pair (p_1, p_{380}).

Skipping pair p_1 and p_{380} because gcd of their leading monoms is zero.

554. Creating S-polynomial from the pair (p_1, p_{381}).

Skipping pair p_1 and p_{381} because gcd of their leading monoms is zero.

555. Creating S-polynomial from the pair (p_1, p_{382}).

Skipping pair p_1 and p_{382} because gcd of their leading monoms is zero.

556. Creating S-polynomial from the pair (p_1, p_{383}).

Skipping pair p_1 and p_{383} because gcd of their leading monoms is zero.

557. Creating S-polynomial from the pair (p_1, p_{384}).
Skipping pair p_1 and p_{384} because gcd of their leading monoms is zero.

558. Creating S-polynomial from the pair (p_1, p_{385}).
Skipping pair p_1 and p_{385} because gcd of their leading monoms is zero.

559. Creating S-polynomial from the pair (p_2, p_{107}).
Skipping pair p_2 and p_{107} because gcd of their leading monoms is zero.

560. Creating S-polynomial from the pair (p_2, p_{108}).
Skipping pair p_2 and p_{108} because gcd of their leading monoms is zero.

561. Creating S-polynomial from the pair (p_2, p_{109}).
Forming S-pol of p_2 and p_{109}:

$$p_{1485} = (131072u_4^{31}u_1^{17} - 524288u_4^{29}u_1^{19} + 262144u_4^{29}u_1^{18})x_5x_4x_3+$$
$$(262144u_4^{31}u_1^{18} - 131072u_4^{31}u_1^{17})x_5x_4+$$
$$(131072u_5^2u_4^{29}u_1^{17} - 65536u_5^2u_4^{29}u_1^{16})x_5x_3^2-$$
$$65536u_5^2u_4^{31}u_1^{16}x_5x_3 - 131072u_6u_4^{30}u_1^{17}x_4x_3^2+$$
$$131072u_6u_4^{30}u_1^{17}x_4x_3 + 65536u_6u_5^2u_4^{30}u_1^{16}x_3^2-$$
$$65536u_6u_5^2u_4^{30}u_1^{16}x_3$$

S-pol added.

562. Creating S-polynomial from the pair (p_2, p_{110}).
Skipping pair p_2 and p_{110} because gcd of their leading monoms is zero.

563. Creating S-polynomial from the pair (p_2, p_{111}).
Skipping pair p_2 and p_{111} because gcd of their leading monoms is zero.

564. Creating S-polynomial from the pair (p_2, p_{112}).
Forming S-pol of p_2 and p_{112}:

$$p_{1486} = (65536u_4^{30}u_1^{16} - 262144u_4^{28}u_1^{18} + 131072u_4^{28}u_1^{17})x_5x_4x_3+$$
$$(131072u_4^{30}u_1^{17} - 65536u_4^{30}u_1^{16})x_5x_4+$$
$$(65536u_5^2u_4^{28}u_1^{16} - 32768u_5^2u_4^{28}u_1^{15})x_5x_3^2-$$
$$32768u_5^2u_4^{30}u_1^{15}x_5x_3 - 65536u_6u_4^{29}u_1^{16}x_4x_3^2+$$
$$65536u_6u_4^{29}u_1^{16}x_4x_3 + 32768u_6u_5^2u_4^{29}u_1^{15}x_3^2-$$
$$32768u_6u_5^2u_4^{29}u_1^{15}x_3$$

S-pol added.

565. Creating S-polynomial from the pair (p_2, p_{113}).
Skipping pair p_2 and p_{113} because gcd of their leading monoms is zero.

566. Creating S-polynomial from the pair (p_2, p_{114}).
Skipping pair p_2 and p_{114} because gcd of their leading monoms is zero.

567. Creating S-polynomial from the pair (p_2, p_{115}).
Skipping pair p_2 and p_{115} because gcd of their leading monoms is zero.

568. Creating S-polynomial from the pair (p_2, p_{116}).
Skipping pair p_2 and p_{116} because gcd of their leading monoms is zero.

569. Creating S-polynomial from the pair (p_2, p_{117}).
Forming S-pol of p_2 and p_{117}:

$$p_{1487} = (1048576u_4^{27}u_1^{19} - 262144u_4^{27}u_1^{18} - 2097152u_4^{25}u_1^{21} + 1048576u_4^{25}u_1^{20})x_5x_4x_3 + (-262144u_4^{29}u_1^{18} + 1048576u_4^{27}u_1^{20} - 524288u_4^{27}u_1^{19})x_5x_4 + (-524288u_6u_4^{26}u_1^{19} + 262144u_6u_4^{26}u_1^{18})x_4x_3^2 + 262144u_6u_4^{28}u_1^{18}x_4x_3$$

S-pol added.

570. Creating S-polynomial from the pair (p_2, p_{118}).
Forming S-pol of p_2 and p_{118}:

$$p_{1488} = (524288u_4^{26}u_1^{18} - 131072u_4^{26}u_1^{17} - 1048576u_4^{24}u_1^{20} + 524288u_4^{24}u_1^{19})x_5x_4x_3 + (-131072u_4^{28}u_1^{17} + 524288u_4^{26}u_1^{19} - 262144u_4^{26}u_1^{18})x_5x_4 + (-262144u_6u_4^{25}u_1^{18} + 131072u_6u_4^{25}u_1^{17})x_4x_3^2 + 131072u_6u_4^{27}u_1^{17}x_4x_3$$

S-pol added.

571. Creating S-polynomial from the pair (p_2, p_{119}).
Skipping pair p_2 and p_{119} because gcd of their leading monoms is zero.

572. Creating S-polynomial from the pair (p_2, p_{120}).
Skipping pair p_2 and p_{120} because gcd of their leading monoms is zero.

573. Creating S-polynomial from the pair (p_2, p_{121}).
Skipping pair p_2 and p_{121} because gcd of their leading monoms is zero.

574. Creating S-polynomial from the pair (p_2, p_{122}).
Skipping pair p_2 and p_{122} because gcd of their leading monoms is zero.

575. Creating S-polynomial from the pair (p_2, p_{123}).
Forming S-pol of p_2 and p_{123}: Polynomial too big for output (text size is 1012 characters, number of terms is 8)
S-pol added.

576. Creating S-polynomial from the pair (p_2, p_{124}).

Skipping pair p_2 and p_{124} because gcd of their leading monoms is zero.

577. Creating S-polynomial from the pair (p_2, p_{125}).

Skipping pair p_2 and p_{125} because gcd of their leading monoms is zero.

578. Creating S-polynomial from the pair (p_2, p_{126}).

Skipping pair p_2 and p_{126} because gcd of their leading monoms is zero.

579. Creating S-polynomial from the pair (p_2, p_{127}).

Forming S-pol of p_2 and p_{127}: Polynomial too big for output (text size is 1004 characters, number of terms is 8)

S-pol added.

580. Creating S-polynomial from the pair (p_2, p_{128}).

Skipping pair p_2 and p_{128} because gcd of their leading monoms is zero.

581. Creating S-polynomial from the pair (p_2, p_{129}).

Skipping pair p_2 and p_{129} because gcd of their leading monoms is zero.

582. Creating S-polynomial from the pair (p_2, p_{130}).

Skipping pair p_2 and p_{130} because gcd of their leading monoms is zero.

583. Creating S-polynomial from the pair (p_2, p_{131}).

Skipping pair p_2 and p_{131} because gcd of their leading monoms is zero.

584. Creating S-polynomial from the pair (p_2, p_{132}).

Skipping pair p_2 and p_{132} because gcd of their leading monoms is zero.

585. Creating S-polynomial from the pair (p_2, p_{133}).

Skipping pair p_2 and p_{133} because gcd of their leading monoms is zero.

586. Creating S-polynomial from the pair (p_2, p_{134}).

Forming S-pol of p_2 and p_{134}: Polynomial too big for output (text size is 1012 characters, number of terms is 8)

S-pol added.

587. Creating S-polynomial from the pair (p_2, p_{135}).

Skipping pair p_2 and p_{135} because gcd of their leading monoms is zero.

588. Creating S-polynomial from the pair (p_2, p_{136}).

Skipping pair p_2 and p_{136} because gcd of their leading monoms is zero.

589. Creating S-polynomial from the pair (p_2, p_{137}).

Skipping pair p_2 and p_{137} because gcd of their leading monoms is zero.

590. Creating S-polynomial from the pair (p_2, p_{138}).

Forming S-pol of p_2 and p_{138}: Polynomial too big for output (text size is 1004 characters, number of terms is 8)

S-pol added.

591. Creating S-polynomial from the pair (p_2, p_{139}).

Skipping pair p_2 and p_{139} because gcd of their leading monoms is zero.

592. Creating S-polynomial from the pair (p_2, p_{140}).

Skipping pair p_2 and p_{140} because gcd of their leading monoms is zero.

593. Creating S-polynomial from the pair (p_2, p_{141}).

Forming S-pol of p_2 and p_{141}: Polynomial too big for output (text size is 2179 characters, number of terms is 8)

S-pol added.

594. Creating S-polynomial from the pair (p_2, p_{142}).

Forming S-pol of p_2 and p_{142}: Polynomial too big for output (text size is 1289 characters, number of terms is 8)

S-pol added.

595. Creating S-polynomial from the pair (p_2, p_{143}).

Forming S-pol of p_2 and p_{143}: Polynomial too big for output (text size is 1085 characters, number of terms is 8)

S-pol added.

596. Creating S-polynomial from the pair (p_2, p_{144}).

Forming S-pol of p_2 and p_{144}: Polynomial too big for output (text size is 1085 characters, number of terms is 8)

S-pol added.

597. Creating S-polynomial from the pair (p_2, p_{145}).

Forming S-pol of p_2 and p_{145}:

$$p_{1489} = (-268435456u_4^{45}u_1^{27} + 67108864u_4^{45}u_1^{26} + 536870912u_4^{43}u_1^{29} -$$
$$268435456u_4^{43}u_1^{28})x_5x_4x_3 +$$
$$(67108864u_4^{47}u_1^{26} - 268435456u_4^{45}u_1^{28} + 134217728u_4^{45}u_1^{27})x_5x_4 +$$
$$(33554432u_5^2u_4^{45}u_1^{25} - 134217728u_5^2u_4^{43}u_1^{27} +$$
$$67108864u_5^2u_4^{43}u_1^{26})x_5x_3^2 +$$
$$(67108864u_5^2u_4^{45}u_1^{26} - 33554432u_5^2u_4^{45}u_1^{25})x_5x_3 +$$
$$(134217728u_6u_4^{44}u_1^{27} - 67108864u_6u_4^{44}u_1^{26})x_4x_3^2 -$$
$$67108864u_6u_4^{46}u_1^{26}x_4x_3 +$$
$$(-67108864u_6u_5^2u_4^{44}u_1^{26} + 33554432u_6u_5^2u_4^{44}u_1^{25})x_3^2 +$$
$$33554432u_6u_5^2u_4^{46}u_1^{25}x_3$$

S-pol added.

598. Creating S-polynomial from the pair (p_2, p_{146}).

Forming S-pol of p_2 and p_{146}: Polynomial too big for output (text size is 1080 characters, number of terms is 8)

S-pol added.

599. Creating S-polynomial from the pair (p_2, p_{147}).

Forming S-pol of p_2 and p_{147}: Polynomial too big for output (text size is 1080 characters, number of terms is 8)

S-pol added.

600. Creating S-polynomial from the pair (p_2, p_{148}).

Forming S-pol of p_2 and p_{148}: Polynomial too big for output (text size is 1159 characters, number of terms is 8)

S-pol added.

601. Creating S-polynomial from the pair (p_2, p_{149}).

Forming S-pol of p_2 and p_{149}:

$$p_{1490} = (-33554432u_4^{43}u_1^{24} + 8388608u_4^{43}u_1^{23} + 67108864u_4^{41}u_1^{26} -$$
$$33554432u_4^{41}u_1^{25})x_5x_4x_3 +$$
$$(8388608u_4^{45}u_1^{23} - 33554432u_4^{43}u_1^{25} + 16777216u_4^{43}u_1^{24})x_5x_4 +$$
$$(4194304u_5^2u_4^{43}u_1^{22} - 16777216u_5^2u_4^{41}u_1^{24} +$$
$$8388608u_5^2u_4^{41}u_1^{23})x_5x_3^2 +$$
$$(8388608u_5^2u_4^{43}u_1^{23} - 4194304u_5^2u_4^{43}u_1^{22})x_5x_3 +$$
$$(16777216u_6u_4^{42}u_1^{24} - 8388608u_6u_4^{42}u_1^{23})x_4x_3^2 -$$
$$8388608u_6u_4^{44}u_1^{23}x_4x_3 +$$
$$(-8388608u_6u_5^2u_4^{42}u_1^{23} + 4194304u_6u_5^2u_4^{42}u_1^{22})x_3^2 +$$
$$4194304u_6u_5^2u_4^{44}u_1^{22}x_3$$

S-pol added.

602. Creating S-polynomial from the pair (p_2, p_{150}).

Forming S-pol of p_2 and p_{150}:

$$p_{1491} = (-131072u_4^{20}u_1^{16} + 32768u_4^{20}u_1^{15} + 262144u_4^{18}u_1^{18} -$$
$$131072u_4^{18}u_1^{17})x_5x_4x_3 +$$
$$(32768u_4^{22}u_1^{15} - 131072u_4^{20}u_1^{17} + 65536u_4^{20}u_1^{16})x_5x_4 +$$
$$(65536u_6u_4^{19}u_1^{16} - 32768u_6u_4^{19}u_1^{15})x_4x_3^2 - 32768u_6u_4^{21}u_1^{15}x_4x_3$$

S-pol added.

603. Creating S-polynomial from the pair (p_2, p_{151}).

Forming S-pol of p_2 and p_{151}:

$$p_{1492} = (-65536u_4^{19}u_1^{15} + 16384u_4^{19}u_1^{14} + 131072u_4^{17}u_1^{17} - 65536u_4^{17}u_1^{16})x_5x_4x_3 + (16384u_4^{21}u_1^{14} - 65536u_4^{19}u_1^{16} + 32768u_4^{19}u_1^{15})x_5x_4 + (32768u_6u_4^{18}u_1^{15} - 16384u_6u_4^{18}u_1^{14})x_4x_3^2 - 16384u_6u_4^{20}u_1^{14}x_4x_3$$

S-pol added.

604. Creating S-polynomial from the pair (p_2, p_{152}).

Skipping pair p_2 and p_{152} because gcd of their leading monoms is zero.

605. Creating S-polynomial from the pair (p_2, p_{153}).

Skipping pair p_2 and p_{153} because gcd of their leading monoms is zero.

606. Creating S-polynomial from the pair (p_2, p_{154}).

Skipping pair p_2 and p_{154} because gcd of their leading monoms is zero.

607. Creating S-polynomial from the pair (p_2, p_{155}).

Skipping pair p_2 and p_{155} because gcd of their leading monoms is zero.

608. Creating S-polynomial from the pair (p_2, p_{156}).

Skipping pair p_2 and p_{156} because gcd of their leading monoms is zero.

609. Creating S-polynomial from the pair (p_2, p_{157}).

Skipping pair p_2 and p_{157} because gcd of their leading monoms is zero.

610. Creating S-polynomial from the pair (p_2, p_{158}).

Forming S-pol of p_2 and p_{158}: Polynomial too big for output (text size is 1153 characters, number of terms is 8)

S-pol added.

611. Creating S-polynomial from the pair (p_2, p_{159}).

Skipping pair p_2 and p_{159} because gcd of their leading monoms is zero.

612. Creating S-polynomial from the pair (p_2, p_{160}).

Skipping pair p_2 and p_{160} because gcd of their leading monoms is zero.

613. Creating S-polynomial from the pair (p_2, p_{161}).

Skipping pair p_2 and p_{161} because gcd of their leading monoms is zero.

614. Creating S-polynomial from the pair (p_2, p_{162}).

Forming S-pol of p_2 and p_{162}: Polynomial too big for output (text size is 1145 characters, number of terms is 8)

S-pol added.

615. Creating S-polynomial from the pair (p_2, p_{163}).

Skipping pair p_2 and p_{163} because gcd of their leading monoms is zero.

616. Creating S-polynomial from the pair (p_2, p_{164}).
Skipping pair p_2 and p_{164} because gcd of their leading monoms is zero.

617. Creating S-polynomial from the pair (p_2, p_{165}).
Skipping pair p_2 and p_{165} because gcd of their leading monoms is zero.

618. Creating S-polynomial from the pair (p_2, p_{166}).
Skipping pair p_2 and p_{166} because gcd of their leading monoms is zero.

619. Creating S-polynomial from the pair (p_2, p_{167}).
Skipping pair p_2 and p_{167} because gcd of their leading monoms is zero.

620. Creating S-polynomial from the pair (p_2, p_{168}).
Skipping pair p_2 and p_{168} because gcd of their leading monoms is zero.

621. Creating S-polynomial from the pair (p_2, p_{169}).
Forming S-pol of p_2 and p_{169}: Polynomial too big for output (text size is 1153 characters, number of terms is 8)
S-pol added.

622. Creating S-polynomial from the pair (p_2, p_{170}).
Skipping pair p_2 and p_{170} because gcd of their leading monoms is zero.

623. Creating S-polynomial from the pair (p_2, p_{171}).
Skipping pair p_2 and p_{171} because gcd of their leading monoms is zero.

624. Creating S-polynomial from the pair (p_2, p_{172}).
Skipping pair p_2 and p_{172} because gcd of their leading monoms is zero.

625. Creating S-polynomial from the pair (p_2, p_{173}).
Forming S-pol of p_2 and p_{173}: Polynomial too big for output (text size is 1145 characters, number of terms is 8)
S-pol added.

626. Creating S-polynomial from the pair (p_2, p_{174}).
Forming S-pol of p_2 and p_{174}:

$$p_{1493} = (16384u_4^{25}u_1^{14} - 65536u_4^{23}u_1^{16} + 32768u_4^{23}u_1^{15})x_5x_4x_3 + (32768u_4^{25}u_1^{15} - 16384u_4^{25}u_1^{14})x_5x_4 - 16384u_6u_4^{24}u_1^{14}x_4x_3^2 + 16384u_6u_4^{24}u_1^{14}x_4x_3$$

S-pol added.

627. Creating S-polynomial from the pair (p_2, p_{175}).
Forming S-pol of p_2 and p_{175}:

$$p_{1494} = (8192u_4^{24}u_1^{13} - 32768u_4^{22}u_1^{15} + 16384u_4^{22}u_1^{14})x_5x_4x_3 + (16384u_4^{24}u_1^{14} - 8192u_4^{24}u_1^{13})x_5x_4 - 8192u_6u_4^{23}u_1^{13}x_4x_3^2 + 8192u_6u_4^{23}u_1^{13}x_4x_3$$

S-pol added.

628. Creating S-polynomial from the pair (p_2, p_{176}).

Forming S-pol of p_2 and p_{176}: Polynomial too big for output (text size is 2295 characters, number of terms is 8)

S-pol added.

629. Creating S-polynomial from the pair (p_2, p_{177}).

Forming S-pol of p_2 and p_{177}: Polynomial too big for output (text size is 1303 characters, number of terms is 8)

S-pol added.

630. Creating S-polynomial from the pair (p_2, p_{178}).

Forming S-pol of p_2 and p_{178}:

$$p_{1495} = 4398046511104u_6u_4^{55}u_2^{49}u_1^{42}x_5x_4x_3^2+$$
$$(4398046511104u_6u_4^{56}u_2^{48}u_1^{42} + 17592186044416u_4^{56}u_2^{47}u_1^{44}-$$
$$8796093022208u_4^{56}u_2^{47}u_1^{43})x_5x_4x_3x_1+$$
$$(-4398046511104u_6u_4^{56}u_2^{48}u_1^{42} - 8796093022208u_6u_4^{55}u_2^{49}u_1^{43}-$$
$$8796093022208u_4^{56}u_2^{49}u_1^{43})x_5x_4x_3+$$
$$(8796093022208u_6u_4^{57}u_2^{47}u_1^{43} - 4398046511104u_6u_4^{57}u_2^{47}u_1^{42})x_5x_4x_1-$$
$$4398046511104u_6^2u_4^{55}u_2^{48}u_1^{42}x_4x_3^2x_1+$$
$$4398046511104u_6^2u_4^{55}u_2^{48}u_1^{42}x_4x_3^2+$$
$$(-8796093022208u_6^2u_4^{56}u_2^{47}u_1^{43} + 4398046511104u_6^2u_4^{56}u_2^{47}u_1^{42}+$$
$$8796093022208u_6^2u_4^{55}u_2^{48}u_1^{43})x_4x_3x_1+$$
$$(4398046511104u_6^2u_4^{56}u_2^{49}u_1^{42} - 8796093022208u_6^2u_4^{55}u_2^{48}u_1^{43})x_4x_3$$

S-pol added.

631. Creating S-polynomial from the pair (p_2, p_{179}).

Forming S-pol of p_2 and p_{179}:

$$p_{1496} = 4398046511104u_6u_4^{55}u_3^{49}u_1^{42}x_5x_4x_3^2+$$
$$(4398046511104u_6u_4^{56}u_3^{48}u_1^{42} + 17592186044416u_4^{56}u_3^{47}u_1^{44}-$$
$$8796093022208u_4^{56}u_3^{47}u_1^{43})x_5x_4x_3x_2+$$
$$(-4398046511104u_6u_4^{56}u_3^{48}u_1^{42} - 8796093022208u_6u_4^{55}u_3^{49}u_1^{43}-$$
$$8796093022208u_4^{56}u_3^{49}u_1^{43})x_5x_4x_3+$$
$$(8796093022208u_6u_4^{57}u_3^{47}u_1^{43} - 4398046511104u_6u_4^{57}u_3^{47}u_1^{42})x_5x_4x_2-$$
$$4398046511104u_6^2u_4^{55}u_3^{48}u_1^{42}x_4x_3^2x_2+$$
$$4398046511104u_6^2u_4^{55}u_3^{48}u_1^{42}x_4x_3^2+$$
$$(-8796093022208u_6^2u_4^{56}u_3^{47}u_1^{43} + 4398046511104u_6^2u_4^{56}u_3^{47}u_1^{42}+$$
$$8796093022208u_6^2u_4^{55}u_3^{48}u_1^{43})x_4x_3x_2+$$
$$(4398046511104u_6^2u_4^{56}u_3^{49}u_1^{42} - 8796093022208u_6^2u_4^{55}u_3^{48}u_1^{43})x_4x_3$$

S-pol added.

632. Creating S-polynomial from the pair (p_2, p_{180}).

Forming S-pol of p_2 and p_{180}:

$$p_{1497} = (-1048576u_4^{32}u_1^{20} + 4194304u_4^{30}u_1^{22} - 2097152u_4^{30}u_1^{21})x_5x_4x_3+$$
$$(-2097152u_4^{32}u_1^{21} + 1048576u_4^{32}u_1^{20})x_5x_4+$$
$$(-1048576u_5^2u_4^{30}u_1^{20} + 524288u_5^2u_4^{30}u_1^{19})x_5x_3^2+$$
$$524288u_5^2u_4^{32}u_1^{19}x_5x_3 + 1048576u_6u_4^{31}u_1^{20}x_4x_3^2-$$
$$1048576u_6u_4^{31}u_1^{20}x_4x_3 - 524288u_6u_5^2u_4^{31}u_1^{19}x_3^2+$$
$$524288u_6u_5^2u_4^{31}u_1^{19}x_3$$

S-pol added.

633. Creating S-polynomial from the pair (p_2, p_{181}).

Forming S-pol of p_2 and p_{181}:

$$p_{1498} = 2199023255552u_6u_4^{55}u_3^{48}u_1^{41}x_5x_4x_3^2+$$
$$(2199023255552u_6u_4^{56}u_3^{47}u_1^{41} + 8796093022208u_4^{56}u_3^{46}u_1^{43}-$$
$$4398046511104u_4^{56}u_3^{46}u_1^{42})x_5x_4x_3x_2+$$
$$(-2199023255552u_6u_4^{56}u_3^{47}u_1^{41} - 4398046511104u_6u_4^{55}u_3^{48}u_1^{42}-$$
$$4398046511104u_4^{56}u_3^{48}u_1^{42})x_5x_4x_3+$$
$$(4398046511104u_6u_4^{57}u_3^{46}u_1^{42} - 2199023255552u_6u_4^{57}u_3^{46}u_1^{41})x_5x_4x_2-$$
$$2199023255552u_6^2u_4^{55}u_3^{47}u_1^{41}x_4x_3^2x_2+$$
$$2199023255552u_6^2u_4^{55}u_3^{47}u_1^{41}x_4x_3^2+$$
$$(-4398046511104u_6^2u_4^{56}u_3^{46}u_1^{42} + 2199023255552u_6^2u_4^{56}u_3^{46}u_1^{41}+$$
$$4398046511104u_6^2u_4^{55}u_3^{47}u_1^{42})x_4x_3x_2+$$
$$(2199023255552u_6^2u_4^{56}u_3^{48}u_1^{41} - 4398046511104u_6^2u_4^{55}u_3^{47}u_1^{42})x_4x_3$$

S-pol added.

634. Creating S-polynomial from the pair (p_2, p_{182}).

Forming S-pol of p_2 and p_{182}:

$$p_{1499} = 2199023255552u_6u_4^{55}u_2^{48}u_1^{41}x_5x_4x_3^2+$$
$$(2199023255552u_6u_4^{56}u_2^{47}u_1^{41} + 8796093022208u_4^{56}u_2^{46}u_1^{43}-$$
$$4398046511104u_4^{56}u_2^{46}u_1^{42})x_5x_4x_3x_1+$$
$$(-2199023255552u_6u_4^{56}u_2^{47}u_1^{41} - 4398046511104u_6u_4^{55}u_2^{48}u_1^{42}-$$
$$4398046511104u_4^{56}u_2^{48}u_1^{42})x_5x_4x_3+$$
$$(4398046511104u_6u_4^{57}u_2^{46}u_1^{42} - 2199023255552u_6u_4^{57}u_2^{46}u_1^{41})x_5x_4x_1-$$
$$2199023255552u_6^2u_4^{55}u_2^{47}u_1^{41}x_4x_3^2x_1+$$
$$2199023255552u_6^2u_4^{55}u_2^{47}u_1^{41}x_4x_3^2+$$
$$(-4398046511104u_6^2u_4^{56}u_2^{46}u_1^{42} + 2199023255552u_6^2u_4^{56}u_2^{46}u_1^{41}+$$
$$4398046511104u_6^2u_4^{55}u_2^{47}u_1^{42})x_4x_3x_1+$$
$$(2199023255552u_6^2u_4^{56}u_2^{48}u_1^{41} - 4398046511104u_6^2u_4^{55}u_2^{47}u_1^{42})x_4x_3$$

S-pol added.

635. Creating S-polynomial from the pair (p_2, p_{183}).

Forming S-pol of p_2 and p_{183}: Polynomial too big for output (text size is 1347 characters, number of terms is 8)

S-pol added.

636. Creating S-polynomial from the pair (p_2, p_{184}).

Forming S-pol of p_2 and p_{184}:

$$p_{1500} = (-131072u_4^{25}u_1^{17} + 524288u_4^{23}u_1^{19} - 262144u_4^{23}u_1^{18})x_5x_4x_3+$$
$$(-262144u_4^{25}u_1^{18} + 131072u_4^{25}u_1^{17})x_5x_4+$$
$$(-131072u_5^2u_4^{23}u_1^{17} + 65536u_5^2u_4^{23}u_1^{16})x_5x_3^2+$$
$$65536u_5^2u_4^{25}u_1^{16}x_5x_3 + 131072u_6u_4^{24}u_1^{17}x_4x_3^2-$$
$$131072u_6u_4^{24}u_1^{17}x_4x_3 - 65536u_6u_5^2u_4^{24}u_1^{16}x_3^2+$$
$$65536u_6u_5^2u_4^{24}u_1^{16}x_3$$

S-pol added.

637. Creating S-polynomial from the pair (p_2, p_{185}).

Skipping pair p_2 and p_{185} because gcd of their leading monoms is zero.

638. Creating S-polynomial from the pair (p_2, p_{186}).

Skipping pair p_2 and p_{186} because gcd of their leading monoms is zero.

639. Creating S-polynomial from the pair (p_2, p_{187}).

Skipping pair p_2 and p_{187} because gcd of their leading monoms is zero.

640. Creating S-polynomial from the pair (p_2, p_{188}).

Skipping pair p_2 and p_{188} because gcd of their leading monoms is zero.

641. Creating S-polynomial from the pair (p_2, p_{189}).

Forming S-pol of p_2 and p_{189}: Polynomial too big for output (text size is 1257 characters, number of terms is 8)

S-pol added.

642. Creating S-polynomial from the pair (p_2, p_{190}).

Skipping pair p_2 and p_{190} because gcd of their leading monoms is zero.

643. Creating S-polynomial from the pair (p_2, p_{191}).

Skipping pair p_2 and p_{191} because gcd of their leading monoms is zero.

644. Creating S-polynomial from the pair (p_2, p_{192}).

Skipping pair p_2 and p_{192} because gcd of their leading monoms is zero.

645. Creating S-polynomial from the pair (p_2, p_{193}).

Forming S-pol of p_2 and p_{193}: Polynomial too big for output (text size is 1249 characters, number of terms is 8)

S-pol added.

646. Creating S-polynomial from the pair (p_2, p_{194}).

Skipping pair p_2 and p_{194} because gcd of their leading monoms is zero.

647. Creating S-polynomial from the pair (p_2, p_{195}).

Skipping pair p_2 and p_{195} because gcd of their leading monoms is zero.

648. Creating S-polynomial from the pair (p_2, p_{196}).

Skipping pair p_2 and p_{196} because gcd of their leading monoms is zero.

649. Creating S-polynomial from the pair (p_2, p_{197}).

Skipping pair p_2 and p_{197} because gcd of their leading monoms is zero.

650. Creating S-polynomial from the pair (p_2, p_{198}).

Forming S-pol of p_2 and p_{198}: Polynomial too big for output (text size is 1257 characters, number of terms is 8)

S-pol added.

651. Creating S-polynomial from the pair (p_2, p_{199}).

Skipping pair p_2 and p_{199} because gcd of their leading monoms is zero.

652. Creating S-polynomial from the pair (p_2, p_{200}).

Skipping pair p_2 and p_{200} because gcd of their leading monoms is zero.

653. Creating S-polynomial from the pair (p_2, p_{201}).

Skipping pair p_2 and p_{201} because gcd of their leading monoms is zero.

654. Creating S-polynomial from the pair (p_2, p_{202}).

Forming S-pol of p_2 and p_{202}: Polynomial too big for output (text size is 1249 characters, number of terms is 8)

S-pol added.

655. Creating S-polynomial from the pair (p_2, p_{203}).

Forming S-pol of p_2 and p_{203}: Polynomial too big for output (text size is 2401 characters, number of terms is 8)

S-pol added.

656. Creating S-polynomial from the pair (p_2, p_{204}).

Forming S-pol of p_2 and p_{204}: Polynomial too big for output (text size is 1391 characters, number of terms is 8)

S-pol added.

657. Creating S-polynomial from the pair (p_2, p_{205}).

Forming S-pol of p_2 and p_{205}: Polynomial too big for output (text size is 1018 characters, number of terms is 8)

S-pol added.

658. Creating S-polynomial from the pair (p_2, p_{206}).

Forming S-pol of p_2 and p_{206}: Polynomial too big for output (text size is 1018 characters, number of terms is 8)

S-pol added.

659. Creating S-polynomial from the pair (p_2, p_{207}).

Forming S-pol of p_2 and p_{207}:

$$p_{1501} = (16777216u_5u_4^{43}u_1^{24} - 67108864u_5u_4^{41}u_1^{26} + 33554432u_5u_4^{41}u_1^{25})x_5x_4x_3 +$$
$$(33554432u_5u_4^{43}u_1^{25} - 16777216u_5u_4^{43}u_1^{24})x_5x_4 +$$
$$(16777216u_5^3u_4^{41}u_1^{24} - 8388608u_5^3u_4^{41}u_1^{23})x_5x_3^2 -$$
$$8388608u_5^3u_4^{43}u_1^{23}x_5x_3 - 16777216u_6u_5u_4^{42}u_1^{24}x_4x_3^2 +$$
$$16777216u_6u_5u_4^{42}u_1^{24}x_4x_3 + 8388608u_6u_5^3u_4^{42}u_1^{23}x_3^2 -$$
$$8388608u_6u_5^3u_4^{42}u_1^{23}x_3$$

S-pol added.

660. Creating S-polynomial from the pair (p_2, p_{208}).

Forming S-pol of p_2 and p_{208}: Polynomial too big for output (text size is 1010 characters, number of terms is 8)

S-pol added.

661. Creating S-polynomial from the pair (p_2, p_{209}).

Forming S-pol of p_2 and p_{209}: Polynomial too big for output (text size is 1010 characters, number of terms is 8)

S-pol added.

662. Creating S-polynomial from the pair (p_2, p_{210}).

Forming S-pol of p_2 and p_{210}: Polynomial too big for output (text size is 1389 characters, number of terms is 8)

S-pol added.

663. Creating S-polynomial from the pair (p_2, p_{211}).

Forming S-pol of p_2 and p_{211}:

$$p_{1502} = (8388608u_5u_4^{42}u_1^{23} - 33554432u_5u_4^{40}u_1^{25} + 16777216u_5u_4^{40}u_1^{24})x_5x_4x_3 +$$
$$(16777216u_5u_4^{42}u_1^{24} - 8388608u_5u_4^{42}u_1^{23})x_5x_4 +$$
$$(8388608u_5^3u_4^{40}u_1^{23} - 4194304u_5^3u_4^{40}u_1^{22})x_5x_3^2 -$$
$$4194304u_5^3u_4^{42}u_1^{22}x_5x_3 - 8388608u_6u_5u_4^{41}u_1^{23}x_4x_3^2 +$$
$$8388608u_6u_5u_4^{41}u_1^{23}x_4x_3 + 4194304u_6u_5^3u_4^{41}u_1^{22}x_3^2 -$$
$$4194304u_6u_5^3u_4^{41}u_1^{22}x_3$$

S-pol added.

664. Creating S-polynomial from the pair (p_2, p_{212}).

Skipping pair p_2 and p_{212} because gcd of their leading monoms is zero.

665. Creating S-polynomial from the pair (p_2, p_{213}).

Skipping pair p_2 and p_{213} because gcd of their leading monoms is zero.

666. Creating S-polynomial from the pair (p_2, p_{214}).

Skipping pair p_2 and p_{214} because gcd of their leading monoms is zero.

667. Creating S-polynomial from the pair (p_2, p_{215}).

Skipping pair p_2 and p_{215} because gcd of their leading monoms is zero.

668. Creating S-polynomial from the pair (p_2, p_{216}).

Forming S-pol of p_2 and p_{216}: Polynomial too big for output (text size is 11123 characters, number of terms is 16)

S-pol added.

669. Creating S-polynomial from the pair (p_2, p_{217}).

Skipping pair p_2 and p_{217} because gcd of their leading monoms is zero.

670. Creating S-polynomial from the pair (p_2, p_{218}).

Skipping pair p_2 and p_{218} because gcd of their leading monoms is zero.

671. Creating S-polynomial from the pair (p_2, p_{219}).

Skipping pair p_2 and p_{219} because gcd of their leading monoms is zero.

672. Creating S-polynomial from the pair (p_2, p_{220}).

Forming S-pol of p_2 and p_{220}: Polynomial too big for output (text size is 11086 characters, number of terms is 16)

S-pol added.

673. Creating S-polynomial from the pair (p_2, p_{221}).

Skipping pair p_2 and p_{221} because gcd of their leading monoms is zero.

674. Creating S-polynomial from the pair (p_2, p_{222}).

Skipping pair p_2 and p_{222} because gcd of their leading monoms is zero.

675. Creating S-polynomial from the pair (p_2, p_{223}).

Skipping pair p_2 and p_{223} because gcd of their leading monoms is zero.

676. Creating S-polynomial from the pair (p_2, p_{224}).

Skipping pair p_2 and p_{224} because gcd of their leading monoms is zero.

677. Creating S-polynomial from the pair (p_2, p_{225}).

Skipping pair p_2 and p_{225} because gcd of their leading monoms is zero.

678. Creating S-polynomial from the pair (p_2, p_{226}).

Skipping pair p_2 and p_{226} because gcd of their leading monoms is zero.

679. Creating S-polynomial from the pair (p_2, p_{227}).

Skipping pair p_2 and p_{227} because gcd of their leading monoms is zero.

680. Creating S-polynomial from the pair (p_2, p_{228}).

Skipping pair p_2 and p_{228} because gcd of their leading monoms is zero.

681. Creating S-polynomial from the pair (p_2, p_{229}).

Skipping pair p_2 and p_{229} because gcd of their leading monoms is zero.

682. Creating S-polynomial from the pair (p_2, p_{230}).

Skipping pair p_2 and p_{230} because gcd of their leading monoms is zero.

683. Creating S-polynomial from the pair (p_2, p_{231}).

Forming S-pol of p_2 and p_{231}: Polynomial too big for output (text size is 5790 characters, number of terms is 8)

S-pol added.

684. Creating S-polynomial from the pair (p_2, p_{232}).

Skipping pair p_2 and p_{232} because gcd of their leading monoms is zero.

685. Creating S-polynomial from the pair (p_2, p_{233}).

Skipping pair p_2 and p_{233} because gcd of their leading monoms is zero.

686. Creating S-polynomial from the pair (p_2, p_{234}).

Skipping pair p_2 and p_{234} because gcd of their leading monoms is zero.

687. Creating S-polynomial from the pair (p_2, p_{235}).

Forming S-pol of p_2 and p_{235}: Polynomial too big for output (text size is 5768 characters, number of terms is 8)

S-pol added.

688. Creating S-polynomial from the pair (p_2, p_{236}).

Skipping pair p_2 and p_{236} because gcd of their leading monoms is zero.

689. Creating S-polynomial from the pair (p_2, p_{237}).

Skipping pair p_2 and p_{237} because gcd of their leading monoms is zero.

690. Creating S-polynomial from the pair (p_2, p_{238}).

Skipping pair p_2 and p_{238} because gcd of their leading monoms is zero.

691. Creating S-polynomial from the pair (p_2, p_{239}).

Skipping pair p_2 and p_{239} because gcd of their leading monoms is zero.

692. Creating S-polynomial from the pair (p_2, p_{240}).

Skipping pair p_2 and p_{240} because gcd of their leading monoms is zero.

693. Creating S-polynomial from the pair (p_2, p_{241}).

Skipping pair p_2 and p_{241} because gcd of their leading monoms is zero.

694. Creating S-polynomial from the pair (p_2, p_{242}).

Forming S-pol of p_2 and p_{242}: Polynomial too big for output (text size is 11123 characters, number of terms is 16)

S-pol added.

695. Creating S-polynomial from the pair (p_2, p_{243}).

Skipping pair p_2 and p_{243} because gcd of their leading monoms is zero.

696. Creating S-polynomial from the pair (p_2, p_{244}).

Skipping pair p_2 and p_{244} because gcd of their leading monoms is zero.

697. Creating S-polynomial from the pair (p_2, p_{245}).

Skipping pair p_2 and p_{245} because gcd of their leading monoms is zero.

698. Creating S-polynomial from the pair (p_2, p_{246}).

Forming S-pol of p_2 and p_{246}: Polynomial too big for output (text size is 11086 characters, number of terms is 16)

S-pol added.

699. Creating S-polynomial from the pair (p_2, p_{247}).

Skipping pair p_2 and p_{247} because gcd of their leading monoms is zero.

700. Creating S-polynomial from the pair (p_2, p_{248}).

Skipping pair p_2 and p_{248} because gcd of their leading monoms is zero.

701. Creating S-polynomial from the pair (p_2, p_{249}).

Skipping pair p_2 and p_{249} because gcd of their leading monoms is zero.

702. Creating S-polynomial from the pair (p_2, p_{250}).

Skipping pair p_2 and p_{250} because gcd of their leading monoms is zero.

703. Creating S-polynomial from the pair (p_2, p_{251}).

Skipping pair p_2 and p_{251} because gcd of their leading monoms is zero.

704. Creating S-polynomial from the pair (p_2, p_{252}).

Skipping pair p_2 and p_{252} because gcd of their leading monoms is zero.

705. Creating S-polynomial from the pair (p_2, p_{253}).

Skipping pair p_2 and p_{253} because gcd of their leading monoms is zero.

706. Creating S-polynomial from the pair (p_2, p_{254}).

Skipping pair p_2 and p_{254} because gcd of their leading monoms is zero.

707. Creating S-polynomial from the pair (p_2, p_{255}).

Skipping pair p_2 and p_{255} because gcd of their leading monoms is zero.

708. Creating S-polynomial from the pair (p_2, p_{256}).

Skipping pair p_2 and p_{256} because gcd of their leading monoms is zero.

709. Creating S-polynomial from the pair (p_2, p_{257}).

Forming S-pol of p_2 and p_{257}: Polynomial too big for output (text size is 5790 characters, number of terms is 8)

S-pol added.

710. Creating S-polynomial from the pair (p_2, p_{258}).

Skipping pair p_2 and p_{258} because gcd of their leading monoms is zero.

711. Creating S-polynomial from the pair (p_2, p_{259}).

Skipping pair p_2 and p_{259} because gcd of their leading monoms is zero.

712. Creating S-polynomial from the pair (p_2, p_{260}).

Skipping pair p_2 and p_{260} because gcd of their leading monoms is zero.

713. Creating S-polynomial from the pair (p_2, p_{261}).

Forming S-pol of p_2 and p_{261}: Polynomial too big for output (text size is 5768 characters, number of terms is 8)

S-pol added.

714. Creating S-polynomial from the pair (p_2, p_{262}).

Skipping pair p_2 and p_{262} because gcd of their leading monoms is zero.

715. Creating S-polynomial from the pair (p_2, p_{263}).

Skipping pair p_2 and p_{263} because gcd of their leading monoms is zero.

716. Creating S-polynomial from the pair (p_2, p_{264}).

Forming S-pol of p_2 and p_{264}: Polynomial too big for output (text size is 1409 characters, number of terms is 8)

S-pol added.

717. Creating S-polynomial from the pair (p_2, p_{265}).

Forming S-pol of p_2 and p_{265}: Polynomial too big for output (text size is 1400 characters, number of terms is 8)

S-pol added.

718. Creating S-polynomial from the pair (p_2, p_{266}).

Forming S-pol of p_2 and p_{266}: Polynomial too big for output (text size is 9117 characters, number of terms is 16)

S-pol added.

719. Creating S-polynomial from the pair (p_2, p_{267}).

Forming S-pol of p_2 and p_{267}: Polynomial too big for output (text size is 9117 characters, number of terms is 16)

S-pol added.

720. Creating S-polynomial from the pair (p_2, p_{268}).

Forming S-pol of p_2 and p_{268}: Polynomial too big for output (text size is 4432 characters, number of terms is 8)

S-pol added.

721. Creating S-polynomial from the pair (p_2, p_{269}).

Forming S-pol of p_2 and p_{269}: Polynomial too big for output (text size is 9074 characters, number of terms is 16)

S-pol added.

722. Creating S-polynomial from the pair (p_2, p_{270}).

Forming S-pol of p_2 and p_{270}: Polynomial too big for output (text size is 9074 characters, number of terms is 16)

S-pol added.

723. Creating S-polynomial from the pair (p_2, p_{271}).

Forming S-pol of p_2 and p_{271}: Polynomial too big for output (text size is 2404 characters, number of terms is 8)

S-pol added.

724. Creating S-polynomial from the pair (p_2, p_{272}).

Forming S-pol of p_2 and p_{272}: Polynomial too big for output (text size is 3443 characters, number of terms is 8)

S-pol added.

725. Creating S-polynomial from the pair (p_2, p_{273}).

Forming S-pol of p_2 and p_{273}:

$$p_{1503} = (-536870912u_5u_4^{45}u_1^{29} + 268435456u_5u_4^{45}u_1^{28} + 536870912u_4^{46}u_1^{29} -$$
$$2147483648u_4^{44}u_1^{31} + 1073741824u_4^{44}u_1^{30})x_5x_4x_3 +$$
$$(268435456u_5u_4^{47}u_1^{28} + 1073741824u_4^{46}u_1^{30} - 536870912u_4^{46}u_1^{29})x_5x_4 +$$
$$(536870912u_5^2u_4^{44}u_1^{29} - 268435456u_5^2u_4^{44}u_1^{28})x_5x_3^2 -$$
$$268435456u_5^2u_4^{46}u_1^{28}x_5x_3 +$$
$$(-268435456u_6u_5u_4^{44}u_1^{28} - 536870912u_6u_4^{45}u_1^{29})x_4x_3^2 +$$
$$(-268435456u_6u_5u_4^{46}u_1^{28} + 536870912u_6u_5u_4^{44}u_1^{29} +$$
$$536870912u_6u_4^{45}u_1^{29})x_4x_3 + 268435456u_6u_5^2u_4^{45}u_1^{28}x_3^2 -$$
$$268435456u_6u_5^2u_4^{45}u_1^{28}x_3$$

S-pol added.

726. Creating S-polynomial from the pair (p_2, p_{274}).

Forming S-pol of p_2 and p_{274}:

$$p_{1504} = (-1073741824u_5u_4^{50}u_1^{30} + 536870912u_5u_4^{50}u_1^{29} + 1073741824u_4^{51}u_1^{30} -$$
$$4294967296u_4^{49}u_1^{32} + 2147483648u_4^{49}u_1^{31})x_5x_4x_3 +$$
$$(536870912u_5u_4^{52}u_1^{29} + 2147483648u_4^{51}u_1^{31} - 1073741824u_4^{51}u_1^{30})x_5x_4 +$$
$$(1073741824u_5^2u_4^{49}u_1^{30} - 536870912u_5^2u_4^{49}u_1^{29})x_5x_3^2 -$$
$$536870912u_5^2u_4^{51}u_1^{29}x_5x_3 +$$

$$(-536870912u_6u_5u_4^{49}u_1^{29} - 1073741824u_6u_4^{50}u_1^{30})x_4x_3^2+$$
$$(-536870912u_6u_5u_4^{51}u_1^{29} + 1073741824u_6u_5u_4^{49}u_1^{30}+$$
$$1073741824u_6u_4^{50}u_1^{30})x_4x_3 + 536870912u_6u_5^2u_4^{50}u_1^{29}x_3^2-$$
$$536870912u_6u_5^2u_4^{50}u_1^{29}x_3$$

S-pol added.

727. Creating S-polynomial from the pair (p_2, p_{275}).

Forming S-pol of p_2 and p_{275}: Polynomial too big for output (text size is 1389 characters, number of terms is 8)

S-pol added.

728. Creating S-polynomial from the pair (p_2, p_{276}).

Forming S-pol of p_2 and p_{276}: Polynomial too big for output (text size is 1383 characters, number of terms is 8)

S-pol added.

729. Creating S-polynomial from the pair (p_2, p_{277}).

Forming S-pol of p_2 and p_{277}:

$$p_{1505} = (33554432u_6u_4^{43}u_1^{24} - 16777216u_6u_4^{43}u_1^{23} + 134217728u_6u_4^{41}u_1^{26}-$$
$$67108864u_6u_4^{41}u_1^{25} - 16777216u_4^{44}u_1^{24} - 33554432u_4^{42}u_1^{25}+$$
$$268435456u_4^{40}u_1^{28} - 134217728u_4^{40}u_1^{27})x_5x_4x_3+$$
$$(-16777216u_6u_4^{45}u_1^{23} - 67108864u_6u_4^{43}u_1^{25} - 33554432u_4^{44}u_1^{25}+$$
$$16777216u_4^{44}u_1^{24} - 134217728u_4^{42}u_1^{27} + 67108864u_4^{42}u_1^{26})x_5x_4+$$
$$(-16777216u_6^2u_4^{42}u_1^{24} + 16777216u_6^2u_4^{42}u_1^{23} - 67108864u_6^2u_4^{40}u_1^{26}+$$
$$67108864u_6^2u_4^{40}u_1^{25})x_4x_3^2+$$
$$(16777216u_6^2u_4^{44}u_1^{23} + 67108864u_6^2u_4^{42}u_1^{25} - 16777216u_6^2u_4^{42}u_1^{24}-$$
$$67108864u_6^2u_4^{40}u_1^{26})x_4x_3$$

S-pol added.

730. Creating S-polynomial from the pair (p_2, p_{278}).

Forming S-pol of p_2 and p_{278}:

$$p_{1506} = (16777216u_6u_4^{42}u_1^{23} - 8388608u_6u_4^{42}u_1^{22} + 67108864u_6u_4^{40}u_1^{25}-$$
$$33554432u_6u_4^{40}u_1^{24} - 8388608u_4^{43}u_1^{23} - 16777216u_4^{41}u_1^{24} + 134217728u_4^{39}u_1^{27}-$$
$$67108864u_4^{39}u_1^{26})x_5x_4x_3+$$
$$(-8388608u_6u_4^{44}u_1^{22} - 33554432u_6u_4^{42}u_1^{24} - 16777216u_4^{43}u_1^{24}+$$
$$8388608u_4^{43}u_1^{23} - 67108864u_4^{41}u_1^{26} + 33554432u_4^{41}u_1^{25})x_5x_4+$$
$$(-8388608u_6^2u_4^{41}u_1^{23} + 8388608u_6^2u_4^{41}u_1^{22} - 33554432u_6^2u_4^{39}u_1^{25}+$$
$$33554432u_6^2u_4^{39}u_1^{24})x_4x_3^2+$$
$$(8388608u_6^2u_4^{43}u_1^{22} + 33554432u_6^2u_4^{41}u_1^{24} - 8388608u_6^2u_4^{41}u_1^{23}-$$
$$33554432u_6^2u_4^{39}u_1^{25})x_4x_3$$

S-pol added.

731. Creating S-polynomial from the pair (p_2, p_{279}).

Forming S-pol of p_2 and p_{279}:

$$p_{1507} = (-536870912u_5u_4^{45}u_1^{29} + 268435456u_5u_4^{45}u_1^{28} + 536870912u_4^{46}u_1^{29} -$$
$$2147483648u_4^{44}u_1^{31} + 1073741824u_4^{44}u_1^{30})x_5x_4x_3 +$$
$$(268435456u_5u_4^{47}u_1^{28} + 1073741824u_4^{46}u_1^{30} - 536870912u_4^{46}u_1^{29})x_5x_4 +$$
$$(536870912u_5^2u_4^{44}u_1^{29} - 268435456u_5^2u_4^{44}u_1^{28})x_5x_3^2 -$$
$$268435456u_5^2u_4^{46}u_1^{28}x_5x_3 +$$
$$(-268435456u_6u_5u_4^{44}u_1^{28} - 536870912u_6u_4^{45}u_1^{29})x_4x_3^2 +$$
$$(-268435456u_6u_5u_4^{46}u_1^{28} + 536870912u_6u_5u_4^{44}u_1^{29} +$$
$$536870912u_6u_4^{45}u_1^{29})x_4x_3 + 268435456u_6u_5^2u_4^{45}u_1^{28}x_3^2 -$$
$$268435456u_6u_5^2u_4^{45}u_1^{28}x_3$$

S-pol added.

732. Creating S-polynomial from the pair (p_2, p_{280}).

Forming S-pol of p_2 and p_{280}:

$$p_{1508} = (-268435456u_5u_4^{44}u_1^{28} + 134217728u_5u_4^{44}u_1^{27} + 268435456u_4^{45}u_1^{28} -$$
$$1073741824u_4^{43}u_1^{30} + 536870912u_4^{43}u_1^{29})x_5x_4x_3 +$$
$$(134217728u_5u_4^{46}u_1^{27} + 536870912u_4^{45}u_1^{29} - 268435456u_4^{45}u_1^{28})x_5x_4 +$$
$$(268435456u_5^2u_4^{43}u_1^{28} - 134217728u_5^2u_4^{43}u_1^{27})x_5x_3^2 -$$
$$134217728u_5^2u_4^{45}u_1^{27}x_5x_3 +$$
$$(-134217728u_6u_5u_4^{43}u_1^{27} - 268435456u_6u_4^{44}u_1^{28})x_4x_3^2 +$$
$$(-134217728u_6u_5u_4^{45}u_1^{27} + 268435456u_6u_5u_4^{43}u_1^{28} +$$
$$268435456u_6u_4^{44}u_1^{28})x_4x_3 + 134217728u_6u_5^2u_4^{44}u_1^{27}x_3^2 -$$
$$134217728u_6u_5^2u_4^{44}u_1^{27}x_3$$

S-pol added.

733. Creating S-polynomial from the pair (p_2, p_{281}).

Forming S-pol of p_2 and p_{281}: Polynomial too big for output (text size is 4273 characters, number of terms is 8)

S-pol added.

734. Creating S-polynomial from the pair (p_2, p_{282}).

Forming S-pol of p_2 and p_{282}: Polynomial too big for output (text size is 4273 characters, number of terms is 8)

S-pol added.

735. Creating S-polynomial from the pair (p_2, p_{283}).

Forming S-pol of p_2 and p_{283}: Polynomial too big for output (text size is 2588 characters, number of terms is 8)

S-pol added.

736. Creating S-polynomial from the pair (p_2, p_{284}).

Forming S-pol of p_2 and p_{284}: Polynomial too big for output (text size is 4253 characters, number of terms is 8)

S-pol added.

737. Creating S-polynomial from the pair (p_2, p_{285}).

Forming S-pol of p_2 and p_{285}: Polynomial too big for output (text size is 4253 characters, number of terms is 8)

S-pol added.

738. Creating S-polynomial from the pair (p_2, p_{286}).

Forming S-pol of p_2 and p_{286}: Polynomial too big for output (text size is 1315 characters, number of terms is 8)

S-pol added.

739. Creating S-polynomial from the pair (p_2, p_{287}).

Forming S-pol of p_2 and p_{287}: Polynomial too big for output (text size is 1905 characters, number of terms is 8)

S-pol added.

740. Creating S-polynomial from the pair (p_2, p_{288}).

Forming S-pol of p_2 and p_{288}:

$$p_{1509} = (-16777216u_6u_4^{37}u_1^{23} + 8388608u_6u_4^{37}u_1^{22} + 8388608u_4^{38}u_1^{23} - 33554432u_4^{36}u_1^{25} + 16777216u_4^{36}u_1^{24})x_5x_4x_3 + (8388608u_6u_4^{39}u_1^{22} + 16777216u_4^{38}u_1^{24} - 8388608u_4^{38}u_1^{23})x_5x_4 + (8388608u_6^2u_4^{36}u_1^{23} - 8388608u_6^2u_4^{36}u_1^{22})x_4x_3^2 + (-8388608u_6^2u_4^{38}u_1^{22} + 8388608u_6^2u_4^{36}u_1^{23})x_4x_3$$

S-pol added.

741. Creating S-polynomial from the pair (p_2, p_{289}).

Forming S-pol of p_2 and p_{289}:

$$p_{1510} = (-8388608u_6u_4^{36}u_1^{22} + 4194304u_6u_4^{36}u_1^{21} + 4194304u_4^{37}u_1^{22} - 16777216u_4^{35}u_1^{24} + 8388608u_4^{35}u_1^{23})x_5x_4x_3 + (4194304u_6u_4^{38}u_1^{21} + 8388608u_4^{37}u_1^{23} - 4194304u_4^{37}u_1^{22})x_5x_4 + (4194304u_6^2u_4^{35}u_1^{22} - 4194304u_6^2u_4^{35}u_1^{21})x_4x_3^2 + (-4194304u_6^2u_4^{37}u_1^{21} + 4194304u_6^2u_4^{35}u_1^{22})x_4x_3$$

S-pol added.

742. Creating S-polynomial from the pair (p_2, p_{290}).

Skipping pair p_2 and p_{290} because gcd of their leading monoms is zero.

743. Creating S-polynomial from the pair (p_2, p_{291}).

Skipping pair p_2 and p_{291} because gcd of their leading monoms is zero.

744. Creating S-polynomial from the pair (p_2, p_{292}).

Skipping pair p_2 and p_{292} because gcd of their leading monoms is zero.

745. Creating S-polynomial from the pair (p_2, p_{293}).

Skipping pair p_2 and p_{293} because gcd of their leading monoms is zero.

746. Creating S-polynomial from the pair (p_2, p_{294}).

Skipping pair p_2 and p_{294} because gcd of their leading monoms is zero.

747. Creating S-polynomial from the pair (p_2, p_{295}).

Skipping pair p_2 and p_{295} because gcd of their leading monoms is zero.

748. Creating S-polynomial from the pair (p_2, p_{296}).

Skipping pair p_2 and p_{296} because gcd of their leading monoms is zero.

749. Creating S-polynomial from the pair (p_2, p_{297}).

Skipping pair p_2 and p_{297} because gcd of their leading monoms is zero.

750. Creating S-polynomial from the pair (p_2, p_{298}).

Skipping pair p_2 and p_{298} because gcd of their leading monoms is zero.

751. Creating S-polynomial from the pair (p_2, p_{299}).

Skipping pair p_2 and p_{299} because gcd of their leading monoms is zero.

752. Creating S-polynomial from the pair (p_2, p_{300}).

Forming S-pol of p_2 and p_{300}: Polynomial too big for output (text size is 3266 characters, number of terms is 8)

S-pol added.

753. Creating S-polynomial from the pair (p_2, p_{301}).

Skipping pair p_2 and p_{301} because gcd of their leading monoms is zero.

754. Creating S-polynomial from the pair (p_2, p_{302}).

Skipping pair p_2 and p_{302} because gcd of their leading monoms is zero.

755. Creating S-polynomial from the pair (p_2, p_{303}).

Skipping pair p_2 and p_{303} because gcd of their leading monoms is zero.

756. Creating S-polynomial from the pair (p_2, p_{304}).

Skipping pair p_2 and p_{304} because gcd of their leading monoms is zero.

757. Creating S-polynomial from the pair (p_2, p_{305}).

Skipping pair p_2 and p_{305} because gcd of their leading monoms is zero.

758. Creating S-polynomial from the pair (p_2, p_{306}).

Skipping pair p_2 and p_{306} because gcd of their leading monoms is zero.

759. Creating S-polynomial from the pair (p_2, p_{307}).

Skipping pair p_2 and p_{307} because gcd of their leading monoms is zero.

760. Creating S-polynomial from the pair (p_2, p_{308}).

Forming S-pol of p_2 and p_{308}: Polynomial too big for output (text size is 2281 characters, number of terms is 8)

S-pol added.

761. Creating S-polynomial from the pair (p_2, p_{309}).

Forming S-pol of p_2 and p_{309}: Polynomial too big for output (text size is 5117 characters, number of terms is 16)

S-pol added.

762. Creating S-polynomial from the pair (p_2, p_{310}).

Forming S-pol of p_2 and p_{310}:

$$p_{1511} = -140737488355328u_6u_4^{71}u_2^{49}u_1^{47}x_5x_4x_3^2+$$
$$(-140737488355328u_6u_4^{72}u_2^{48}u_1^{47} - 562949953421312u_4^{72}u_2^{47}u_1^{49}+$$
$$281474976710656u_4^{72}u_2^{47}u_1^{48})x_5x_4x_3x_1+$$
$$(140737488355328u_6u_4^{72}u_2^{48}u_1^{47} + 281474976710656u_6u_4^{71}u_2^{49}u_1^{48}+$$
$$281474976710656u_4^{72}u_2^{49}u_1^{48})x_5x_4x_3+$$
$$(-281474976710656u_6u_4^{73}u_2^{47}u_1^{48} + 140737488355328u_6u_4^{73}u_2^{47}u_1^{47})x_5x_4x_1+$$
$$140737488355328u_6^2u_4^{71}u_2^{48}u_1^{47}x_4x_3^2x_1-$$
$$140737488355328u_6^2u_4^{71}u_2^{48}u_1^{47}x_4x_3^2+$$
$$(281474976710656u_6^2u_4^{72}u_2^{47}u_1^{48} - 140737488355328u_6^2u_4^{72}u_2^{47}u_1^{47}-$$
$$281474976710656u_6^2u_4^{71}u_2^{48}u_1^{48})x_4x_3x_1+$$
$$(-140737488355328u_6^2u_4^{72}u_2^{49}u_1^{47}+$$
$$281474976710656u_6^2u_4^{71}u_2^{48}u_1^{48})x_4x_3$$

S-pol added.

763. Creating S-polynomial from the pair (p_2, p_{311}).

Forming S-pol of p_2 and p_{311}: Polynomial too big for output (text size is 3046 characters, number of terms is 8)

S-pol added.

764. Creating S-polynomial from the pair (p_2, p_{312}).

Skipping pair p_2 and p_{312} because gcd of their leading monoms is zero.

765. Creating S-polynomial from the pair (p_2, p_{313}).

Skipping pair p_2 and p_{313} because gcd of their leading monoms is zero.

766. Creating S-polynomial from the pair (p_2, p_{314}).

Skipping pair p_2 and p_{314} because gcd of their leading monoms is zero.

767. Creating S-polynomial from the pair (p_2, p_{315}).

Skipping pair p_2 and p_{315} because gcd of their leading monoms is zero.

768. Creating S-polynomial from the pair (p_2, p_{316}).

Skipping pair p_2 and p_{316} because gcd of their leading monoms is zero.

769. Creating S-polynomial from the pair (p_2, p_{317}).

Skipping pair p_2 and p_{317} because gcd of their leading monoms is zero.

770. Creating S-polynomial from the pair (p_2, p_{318}).

Skipping pair p_2 and p_{318} because gcd of their leading monoms is zero.

771. Creating S-polynomial from the pair (p_2, p_{319}).

Skipping pair p_2 and p_{319} because gcd of their leading monoms is zero.

772. Creating S-polynomial from the pair (p_2, p_{320}).

Skipping pair p_2 and p_{320} because gcd of their leading monoms is zero.

773. Creating S-polynomial from the pair (p_2, p_{321}).

Skipping pair p_2 and p_{321} because gcd of their leading monoms is zero.

774. Creating S-polynomial from the pair (p_2, p_{322}).

Forming S-pol of p_2 and p_{322}: Polynomial too big for output (text size is 3266 characters, number of terms is 8)

S-pol added.

775. Creating S-polynomial from the pair (p_2, p_{323}).

Skipping pair p_2 and p_{323} because gcd of their leading monoms is zero.

776. Creating S-polynomial from the pair (p_2, p_{324}).

Skipping pair p_2 and p_{324} because gcd of their leading monoms is zero.

777. Creating S-polynomial from the pair (p_2, p_{325}).

Skipping pair p_2 and p_{325} because gcd of their leading monoms is zero.

778. Creating S-polynomial from the pair (p_2, p_{326}).

Skipping pair p_2 and p_{326} because gcd of their leading monoms is zero.

779. Creating S-polynomial from the pair (p_2, p_{327}).

Forming S-pol of p_2 and p_{327}: Polynomial too big for output (text size is 2281 characters, number of terms is 8)

S-pol added.

780. Creating S-polynomial from the pair (p_2, p_{328}).

Skipping pair p_2 and p_{328} because gcd of their leading monoms is zero.

781. Creating S-polynomial from the pair (p_2, p_{329}).

Skipping pair p_2 and p_{329} because gcd of their leading monoms is zero.

782. Creating S-polynomial from the pair (p_2, p_{330}).

Skipping pair p_2 and p_{330} because gcd of their leading monoms is zero.

783. Creating S-polynomial from the pair (p_2, p_{331}).

Forming S-pol of p_2 and p_{331}: Polynomial too big for output (text size is 5117 characters, number of terms is 16)

S-pol added.

784. Creating S-polynomial from the pair (p_2, p_{332}).

Forming S-pol of p_2 and p_{332}:

$$p_{1512} = -140737488355328u_6u_4^{71}u_3^{49}u_1^{47}x_5x_4x_3^2+$$
$$(-140737488355328u_6u_4^{72}u_3^{48}u_1^{47} - 562949953421312u_4^{72}u_3^{47}u_1^{49}+$$
$$281474976710656u_4^{72}u_3^{47}u_1^{48})x_5x_4x_3x_2+$$
$$(140737488355328u_6u_4^{72}u_3^{48}u_1^{47} + 281474976710656u_6u_4^{71}u_3^{49}u_1^{48}+$$
$$281474976710656u_4^{72}u_3^{49}u_1^{48})x_5x_4x_3+$$
$$(-281474976710656u_6u_4^{73}u_3^{47}u_1^{48} + 140737488355328u_6u_4^{73}u_3^{47}u_1^{47})x_5x_4x_2+$$
$$140737488355328u_6^2u_4^{71}u_3^{48}u_1^{47}x_4x_3^2x_2-$$
$$140737488355328u_6^2u_4^{71}u_3^{48}u_1^{47}x_4x_3^2+$$
$$(281474976710656u_6^2u_4^{72}u_3^{47}u_1^{48} - 140737488355328u_6^2u_4^{72}u_3^{47}u_1^{47}-$$
$$281474976710656u_6^2u_4^{71}u_3^{48}u_1^{48})x_4x_3x_2+$$
$$(-140737488355328u_6^2u_4^{72}u_3^{49}u_1^{47}+$$
$$281474976710656u_6^2u_4^{71}u_3^{48}u_1^{48})x_4x_3$$

S-pol added.

785. Creating S-polynomial from the pair (p_2, p_{333}).

Forming S-pol of p_2 and p_{333}: Polynomial too big for output (text size is 3046 characters, number of terms is 8)

S-pol added.

786. Creating S-polynomial from the pair (p_2, p_{334}).

Skipping pair p_2 and p_{334} because gcd of their leading monoms is zero.

787. Creating S-polynomial from the pair (p_2, p_{335}).

Forming S-pol of p_2 and p_{335}:

$$p_{1513} = (-8388608u_5u_4^{35}u_1^{23}+33554432u_5u_4^{33}u_1^{25}-16777216u_5u_4^{33}u_1^{24})x_5x_4x_3+$$
$$(-16777216u_5u_4^{35}u_1^{24} + 8388608u_5u_4^{35}u_1^{23})x_5x_4+$$
$$8388608u_6u_5u_4^{34}u_1^{23}x_4x_3^2 - 8388608u_6u_5u_4^{34}u_1^{23}x_4x_3$$

S-pol added.

788. Creating S-polynomial from the pair (p_2, p_{336}).

Forming S-pol of p_2 and p_{336}:

$$p_{1514} = (-4194304u_5u_4^{34}u_1^{22}+16777216u_5u_4^{32}u_1^{24}-8388608u_5u_4^{32}u_1^{23})x_5x_4x_3+$$
$$(-8388608u_5u_4^{34}u_1^{23} + 4194304u_5u_4^{34}u_1^{22})x_5x_4+$$
$$4194304u_6u_5u_4^{33}u_1^{22}x_4x_3^2 - 4194304u_6u_5u_4^{33}u_1^{22}x_4x_3$$

S-pol added.

789. Creating S-polynomial from the pair (p_2, p_{337}).

Forming S-pol of p_2 and p_{337}:

$$p_{1515} = (-140737488355328u_5^2u_4^{75}u_1^{47} + 70368744177664u_5^2u_4^{75}u_1^{46}+$$
$$140737488355328u_5u_4^{76}u_1^{47} - 562949953421312u_5u_4^{74}u_1^{49}+$$
$$281474976710656u_5u_4^{74}u_1^{48})x_5x_4x_3+$$
$$(70368744177664u_5^2u_4^{77}u_1^{46} + 281474976710656u_5u_4^{76}u_1^{48}-$$
$$140737488355328u_5u_4^{76}u_1^{47})x_5x_4+$$
$$(140737488355328u_5^3u_4^{74}u_1^{47} - 70368744177664u_5^3u_4^{74}u_1^{46})x_5x_3^2-$$
$$70368744177664u_5^3u_4^{76}u_1^{46}x_5x_3+$$
$$(-70368744177664u_6u_5^2u_4^{74}u_1^{46} - 140737488355328u_6u_5u_4^{75}u_1^{47})x_4x_3^2+$$
$$(-70368744177664u_6u_5^2u_4^{76}u_1^{46} + 140737488355328u_6u_5^2u_4^{74}u_1^{47}+$$
$$140737488355328u_6u_5u_4^{75}u_1^{47})x_4x_3 + 70368744177664u_6u_5^3u_4^{75}u_1^{46}x_3^2-$$
$$70368744177664u_6u_5^3u_4^{75}u_1^{46}x_3$$

S-pol added.

790. Creating S-polynomial from the pair (p_2, p_{338}).

Forming S-pol of p_2 and p_{338}:

$$p_{1516} = (-70368744177664u_5^2u_4^{74}u_1^{46} + 35184372088832u_5^2u_4^{74}u_1^{45}+$$
$$70368744177664u_5u_4^{75}u_1^{46} - 281474976710656u_5u_4^{73}u_1^{48}+$$
$$140737488355328u_5u_4^{73}u_1^{47})x_5x_4x_3+$$
$$(35184372088832u_5^2u_4^{76}u_1^{45} + 140737488355328u_5u_4^{75}u_1^{47}-$$
$$70368744177664u_5u_4^{75}u_1^{46})x_5x_4+$$
$$(70368744177664u_5^3u_4^{73}u_1^{46} - 35184372088832u_5^3u_4^{73}u_1^{45})x_5x_3^2-$$
$$35184372088832u_5^3u_4^{75}u_1^{45}x_5x_3+$$
$$(-35184372088832u_6u_5^2u_4^{73}u_1^{45} - 70368744177664u_6u_5u_4^{74}u_1^{46})x_4x_3^2+$$
$$(-35184372088832u_6u_5^2u_4^{75}u_1^{45} + 70368744177664u_6u_5^2u_4^{73}u_1^{46}+$$
$$70368744177664u_6u_5u_4^{74}u_1^{46})x_4x_3 + 35184372088832u_6u_5^3u_4^{74}u_1^{45}x_3^2-$$
$$35184372088832u_6u_5^3u_4^{74}u_1^{45}x_3$$

S-pol added.

791. Creating S-polynomial from the pair (p_2, p_{339}).

Forming S-pol of p_2 and p_{339}:

$$p_{1517} = (-1073741824u_5u_4^{45}u_1^{30}+536870912u_5u_4^{45}u_1^{29}+1073741824u_4^{46}u_1^{30}-$$
$$4294967296u_4^{44}u_1^{32} + 2147483648u_4^{44}u_1^{31})x_5x_4x_3+$$
$$(536870912u_5u_4^{47}u_1^{29} + 2147483648u_4^{46}u_1^{31} - 1073741824u_4^{46}u_1^{30})x_5x_4+$$
$$(1073741824u_5^2u_4^{44}u_1^{30} - 536870912u_5^2u_4^{44}u_1^{29})x_5x_3^2-$$
$$536870912u_5^2u_4^{46}u_1^{29}x_5x_3+$$
$$(-536870912u_6u_5u_4^{44}u_1^{29} - 1073741824u_6u_4^{45}u_1^{30})x_4x_3^2+$$
$$(-536870912u_6u_5u_4^{46}u_1^{29} + 1073741824u_6u_5u_4^{44}u_1^{30}+$$
$$1073741824u_6u_4^{45}u_1^{30})x_4x_3 + 536870912u_6u_5^2u_4^{45}u_1^{29}x_3^2-$$
$$536870912u_6u_5^2u_4^{45}u_1^{29}x_3$$

S-pol added.

792. Creating S-polynomial from the pair (p_2, p_{340}).

Forming S-pol of p_2 and p_{340}:

$$p_{1518} = (-536870912u_5u_4^{44}u_1^{29} + 268435456u_5u_4^{44}u_1^{28} + 536870912u_4^{45}u_1^{29}-$$
$$2147483648u_4^{43}u_1^{31} + 1073741824u_4^{43}u_1^{30})x_5x_4x_3+$$
$$(268435456u_5u_4^{46}u_1^{28} + 1073741824u_4^{45}u_1^{30} - 536870912u_4^{45}u_1^{29})x_5x_4+$$
$$(536870912u_5^2u_4^{43}u_1^{29} - 268435456u_5^2u_4^{43}u_1^{28})x_5x_3^2-$$
$$268435456u_5^2u_4^{45}u_1^{28}x_5x_3+$$
$$(-268435456u_6u_5u_4^{43}u_1^{28} - 536870912u_6u_4^{44}u_1^{29})x_4x_3^2+$$
$$(-268435456u_6u_5u_4^{45}u_1^{28} + 536870912u_6u_5u_4^{43}u_1^{29}+$$
$$536870912u_6u_4^{44}u_1^{29})x_4x_3 + 268435456u_6u_5^2u_4^{44}u_1^{28}x_3^2-$$
$$268435456u_6u_5^2u_4^{44}u_1^{28}x_3$$

S-pol added.

793. Creating S-polynomial from the pair (p_2, p_{341}).

Forming S-pol of p_2 and p_{341}:

$$p_{1519} = (-1073741824u_5u_4^{45}u_1^{30}+536870912u_5u_4^{45}u_1^{29}+1073741824u_4^{46}u_1^{30}-$$
$$4294967296u_4^{44}u_1^{32} + 2147483648u_4^{44}u_1^{31})x_5x_4x_3+$$
$$(536870912u_5u_4^{47}u_1^{29} + 2147483648u_4^{46}u_1^{31} - 1073741824u_4^{46}u_1^{30})x_5x_4+$$
$$(1073741824u_5^2u_4^{44}u_1^{30} - 536870912u_5^2u_4^{44}u_1^{29})x_5x_3^2-$$
$$536870912u_5^2u_4^{46}u_1^{29}x_5x_3+$$
$$(-536870912u_6u_5u_4^{44}u_1^{29} - 1073741824u_6u_4^{45}u_1^{30})x_4x_3^2+$$
$$(-536870912u_6u_5u_4^{46}u_1^{29} + 1073741824u_6u_5u_4^{44}u_1^{30}+$$
$$1073741824u_6u_4^{45}u_1^{30})x_4x_3 + 536870912u_6u_5^2u_4^{45}u_1^{29}x_3^2-$$
$$536870912u_6u_5^2u_4^{45}u_1^{29}x_3$$

S-pol added.

794. Creating S-polynomial from the pair (p_2, p_{342}).

Forming S-pol of p_2 and p_{342}:

$$p_{1520} = (-2147483648u_5u_4^{50}u_1^{31}+1073741824u_5u_4^{50}u_1^{30}+2147483648u_4^{51}u_1^{31}-$$
$$8589934592u_4^{49}u_1^{33} + 4294967296u_4^{49}u_1^{32})x_5x_4x_3+$$
$$(1073741824u_5u_4^{52}u_1^{30} + 4294967296u_4^{51}u_1^{32} - 2147483648u_4^{51}u_1^{31})x_5x_4+$$
$$(2147483648u_5^2u_4^{49}u_1^{31} - 1073741824u_5^2u_4^{49}u_1^{30})x_5x_3^2-$$
$$1073741824u_5^2u_4^{51}u_1^{30}x_5x_3+$$
$$(-1073741824u_6u_5u_4^{49}u_1^{30} - 2147483648u_6u_4^{50}u_1^{31})x_4x_3^2+$$
$$(-1073741824u_6u_5u_4^{51}u_1^{30} + 2147483648u_6u_5u_4^{49}u_1^{31}+$$
$$2147483648u_6u_4^{50}u_1^{31})x_4x_3 + 1073741824u_6u_5^2u_4^{50}u_1^{30}x_3^2-$$
$$1073741824u_6u_5^2u_4^{50}u_1^{30}x_3$$

S-pol added.

795. Creating S-polynomial from the pair (p_2, p_{343}).

Forming S-pol of p_2 and p_{343}:

$$p_{1521} = (-32768u_4^{25}u_1^{15} + 131072u_4^{23}u_1^{17} - 65536u_4^{23}u_1^{16})x_5x_4x_3+$$
$$(-65536u_4^{25}u_1^{16} + 32768u_4^{25}u_1^{15})x_5x_4 + 32768u_6u_4^{24}u_1^{15}x_4x_3^2-$$
$$32768u_6u_4^{24}u_1^{15}x_4x_3$$

S-pol added.

796. Creating S-polynomial from the pair (p_2, p_{344}).

Forming S-pol of p_2 and p_{344}: Polynomial too big for output (text size is 6165 characters, number of terms is 16)

S-pol added.

797. Creating S-polynomial from the pair (p_2, p_{345}).

Forming S-pol of p_2 and p_{345}: Polynomial too big for output (text size is 1160 characters, number of terms is 8)

S-pol added.

798. Creating S-polynomial from the pair (p_2, p_{346}).

Forming S-pol of p_2 and p_{346}: Polynomial too big for output (text size is 2838 characters, number of terms is 8)

S-pol added.

799. Creating S-polynomial from the pair (p_2, p_{347}).

Forming S-pol of p_2 and p_{347}: Polynomial too big for output (text size is 2953 characters, number of terms is 8)

S-pol added.

800. Creating S-polynomial from the pair (p_2, p_{348}).

Forming S-pol of p_2 and p_{348}: Polynomial too big for output (text size is 6165 characters, number of terms is 16)

S-pol added.

801. Creating S-polynomial from the pair (p_2, p_{349}).

Forming S-pol of p_2 and p_{349}: Polynomial too big for output (text size is 1160 characters, number of terms is 8)

S-pol added.

802. Creating S-polynomial from the pair (p_2, p_{350}).

Forming S-pol of p_2 and p_{350}: Polynomial too big for output (text size is 2838 characters, number of terms is 8)

S-pol added.

803. Creating S-polynomial from the pair (p_2, p_{351}).

Forming S-pol of p_2 and p_{351}: Polynomial too big for output (text size is 2953 characters, number of terms is 8)

S-pol added.

804. Creating S-polynomial from the pair (p_2, p_{352}).

Forming S-pol of p_2 and p_{352}: Polynomial too big for output (text size is 2763 characters, number of terms is 8)

S-pol added.

805. Creating S-polynomial from the pair (p_2, p_{353}).

Forming S-pol of p_2 and p_{353}:

$$\begin{gathered}p_{1522} = (2097152u_4^{36}u_1^{21} - 8388608u_4^{34}u_1^{23} + 4194304u_4^{34}u_1^{22})x_5x_4x_3+\\ (4194304u_4^{36}u_1^{22} - 2097152u_4^{36}u_1^{21})x_5x_4+\\ (2097152u_5^2u_4^{34}u_1^{21} - 1048576u_5^2u_4^{34}u_1^{20})x_5x_3^2-\\ 1048576u_5^2u_4^{36}u_1^{20}x_5x_3 - 2097152u_6u_4^{35}u_1^{21}x_4x_3^2+\\ 2097152u_6u_4^{35}u_1^{21}x_4x_3 + 1048576u_6u_5^2u_4^{35}u_1^{20}x_3^2-\\ 1048576u_6u_5^2u_4^{35}u_1^{20}x_3\end{gathered}$$

S-pol added.

806. Creating S-polynomial from the pair (p_2, p_{354}).

Forming S-pol of p_2 and p_{354}:

$$\begin{gathered}p_{1523} = (4194304u_4^{30}u_1^{22} - 16777216u_4^{28}u_1^{24} + 8388608u_4^{28}u_1^{23})x_5x_4x_3+\\ (8388608u_4^{30}u_1^{23} - 4194304u_4^{30}u_1^{22})x_5x_4+\\ (4194304u_5^2u_4^{28}u_1^{22} - 2097152u_5^2u_4^{28}u_1^{21})x_5x_3^2-\\ 2097152u_5^2u_4^{30}u_1^{21}x_5x_3 - 4194304u_6u_4^{29}u_1^{22}x_4x_3^2+\\ 4194304u_6u_4^{29}u_1^{22}x_4x_3 + 2097152u_6u_5^2u_4^{29}u_1^{21}x_3^2-\\ 2097152u_6u_5^2u_4^{29}u_1^{21}x_3\end{gathered}$$

S-pol added.

807. Creating S-polynomial from the pair (p_2, p_{355}).

Forming S-pol of p_2 and p_{355}:

$$p_{1524} = (16384u_4^{24}u_1^{14} - 65536u_4^{22}u_1^{16} + 32768u_4^{22}u_1^{15})x_5x_4x_3 +$$
$$(32768u_4^{24}u_1^{15} - 16384u_4^{24}u_1^{14})x_5x_4 - 16384u_6u_4^{23}u_1^{14}x_4x_3^2 +$$
$$16384u_6u_4^{23}u_1^{14}x_4x_3$$

S-pol added.

808. Creating S-polynomial from the pair (p_2, p_{356}).

Skipping pair p_2 and p_{356} because gcd of their leading monoms is zero.

809. Creating S-polynomial from the pair (p_2, p_{357}).

Skipping pair p_2 and p_{357} because gcd of their leading monoms is zero.

810. Creating S-polynomial from the pair (p_2, p_{358}).

Skipping pair p_2 and p_{358} because gcd of their leading monoms is zero.

811. Creating S-polynomial from the pair (p_2, p_{359}).

Forming S-pol of p_2 and p_{359}: Polynomial too big for output (text size is 6137 characters, number of terms is 16)

S-pol added.

812. Creating S-polynomial from the pair (p_2, p_{360}).

Skipping pair p_2 and p_{360} because gcd of their leading monoms is zero.

813. Creating S-polynomial from the pair (p_2, p_{361}).

Skipping pair p_2 and p_{361} because gcd of their leading monoms is zero.

814. Creating S-polynomial from the pair (p_2, p_{362}).

Forming S-pol of p_2 and p_{362}: Polynomial too big for output (text size is 1153 characters, number of terms is 8)

S-pol added.

815. Creating S-polynomial from the pair (p_2, p_{363}).

Skipping pair p_2 and p_{363} because gcd of their leading monoms is zero.

816. Creating S-polynomial from the pair (p_2, p_{364}).

Forming S-pol of p_2 and p_{364}: Polynomial too big for output (text size is 2278 characters, number of terms is 8)

S-pol added.

817. Creating S-polynomial from the pair (p_2, p_{365}).

Skipping pair p_2 and p_{365} because gcd of their leading monoms is zero.

818. Creating S-polynomial from the pair (p_2, p_{366}).

Skipping pair p_2 and p_{366} because gcd of their leading monoms is zero.

819. Creating S-polynomial from the pair (p_2, p_{367}).

Skipping pair p_2 and p_{367} because gcd of their leading monoms is zero.

820. Creating S-polynomial from the pair (p_2, p_{368}).

Forming S-pol of p_2 and p_{368}: Polynomial too big for output (text size is 5101 characters, number of terms is 16)

S-pol added.

821. Creating S-polynomial from the pair (p_2, p_{369}).

Forming S-pol of p_2 and p_{369}:

$$p_{1525} = -70368744177664u_6u_4^{71}u_3^{48}u_1^{46}x_5x_4x_3^2+$$
$$(-70368744177664u_6u_4^{72}u_3^{47}u_1^{46} - 281474976710656u_4^{72}u_3^{46}u_1^{48}+$$
$$140737488355328u_4^{72}u_3^{46}u_1^{47})x_5x_4x_3x_2+$$
$$(70368744177664u_6u_4^{72}u_3^{47}u_1^{46} + 140737488355328u_6u_4^{71}u_3^{48}u_1^{47}+$$
$$140737488355328u_4^{72}u_3^{48}u_1^{47})x_5x_4x_3+$$
$$(-140737488355328u_6u_4^{73}u_3^{46}u_1^{47} + 70368744177664u_6u_4^{73}u_3^{46}u_1^{46})x_5x_4x_2+$$
$$70368744177664u_6^2u_4^{71}u_3^{47}u_1^{46}x_4x_3^2x_2-$$
$$70368744177664u_6^2u_4^{71}u_3^{47}u_1^{46}x_4x_3^2+$$
$$(140737488355328u_6^2u_4^{72}u_3^{46}u_1^{47} - 70368744177664u_6^2u_4^{72}u_3^{46}u_1^{46}-$$
$$140737488355328u_6^2u_4^{71}u_3^{47}u_1^{47})x_4x_3x_2+$$
$$(-70368744177664u_6^2u_4^{72}u_3^{48}u_1^{46} + 140737488355328u_6^2u_4^{71}u_3^{47}u_1^{47})x_4x_3$$

S-pol added.

822. Creating S-polynomial from the pair (p_2, p_{370}).

Forming S-pol of p_2 and p_{370}: Polynomial too big for output (text size is 1994 characters, number of terms is 8)

S-pol added.

823. Creating S-polynomial from the pair (p_2, p_{371}).

Skipping pair p_2 and p_{371} because gcd of their leading monoms is zero.

824. Creating S-polynomial from the pair (p_2, p_{372}).

Forming S-pol of p_2 and p_{372}: Polynomial too big for output (text size is 2936 characters, number of terms is 8)

S-pol added.

825. Creating S-polynomial from the pair (p_2, p_{373}).

Skipping pair p_2 and p_{373} because gcd of their leading monoms is zero.

826. Creating S-polynomial from the pair (p_2, p_{374}).

Skipping pair p_2 and p_{374} because gcd of their leading monoms is zero.

827. Creating S-polynomial from the pair (p_2, p_{375}).

Forming S-pol of p_2 and p_{375}: Polynomial too big for output (text size is 6137 characters, number of terms is 16)

S-pol added.

828. Creating S-polynomial from the pair (p_2, p_{376}).

Skipping pair p_2 and p_{376} because gcd of their leading monoms is zero.

829. Creating S-polynomial from the pair (p_2, p_{377}).

Forming S-pol of p_2 and p_{377}: Polynomial too big for output (text size is 1153 characters, number of terms is 8)

S-pol added.

830. Creating S-polynomial from the pair (p_2, p_{378}).

Forming S-pol of p_2 and p_{378}: Polynomial too big for output (text size is 2278 characters, number of terms is 8)

S-pol added.

831. Creating S-polynomial from the pair (p_2, p_{379}).

Forming S-pol of p_2 and p_{379}: Polynomial too big for output (text size is 5101 characters, number of terms is 16)

S-pol added.

832. Creating S-polynomial from the pair (p_2, p_{380}).

Forming S-pol of p_2 and p_{380}:

$$p_{1526} = -70368744177664u_6u_4^{71}u_2^{48}u_1^{46}x_5x_4x_3^2+$$
$$(-70368744177664u_6u_4^{72}u_2^{47}u_1^{46} - 281474976710656u_4^{72}u_2^{46}u_1^{48}+$$
$$140737488355328u_4^{72}u_2^{46}u_1^{47})x_5x_4x_3x_1+$$
$$(70368744177664u_6u_4^{72}u_2^{47}u_1^{46} + 140737488355328u_6u_4^{71}u_2^{48}u_1^{47}+$$
$$140737488355328u_4^{72}u_2^{48}u_1^{47})x_5x_4x_3+$$
$$(-140737488355328u_6u_4^{73}u_2^{46}u_1^{47} + 70368744177664u_6u_4^{73}u_2^{46}u_1^{46})x_5x_4x_1+$$
$$70368744177664u_6^2u_4^{71}u_2^{47}u_1^{46}x_4x_3^2x_1-$$
$$70368744177664u_6^2u_4^{71}u_2^{47}u_1^{46}x_4x_3^2+$$
$$(140737488355328u_6^2u_4^{72}u_2^{46}u_1^{47} - 70368744177664u_6^2u_4^{72}u_2^{46}u_1^{46}-$$
$$140737488355328u_6^2u_4^{71}u_2^{47}u_1^{47})x_4x_3x_1+$$
$$(-70368744177664u_6^2u_4^{72}u_2^{48}u_1^{46} + 140737488355328u_6^2u_4^{71}u_2^{47}u_1^{47})x_4x_3$$

S-pol added.

833. Creating S-polynomial from the pair (p_2, p_{381}).

Forming S-pol of p_2 and p_{381}: Polynomial too big for output (text size is 1994 characters, number of terms is 8)

S-pol added.

834. Creating S-polynomial from the pair (p_2, p_{382}).

Forming S-pol of p_2 and p_{382}: Polynomial too big for output (text size is 2936 characters, number of terms is 8)

S-pol added.

835. Creating S-polynomial from the pair (p_2, p_{383}).

Forming S-pol of p_2 and p_{383}: Polynomial too big for output (text size is 1404 characters, number of terms is 8)

S-pol added.

836. Creating S-polynomial from the pair (p_2, p_{384}).

Forming S-pol of p_2 and p_{384}: Polynomial too big for output (text size is 2055 characters, number of terms is 8)

S-pol added.

837. Creating S-polynomial from the pair (p_2, p_{385}).

Forming S-pol of p_2 and p_{385}:

$$p_{1527} = (-262144u_4^{29}u_1^{18} + 1048576u_4^{27}u_1^{20} - 524288u_4^{27}u_1^{19})x_5x_4x_3+$$
$$(-524288u_4^{29}u_1^{19} + 262144u_4^{29}u_1^{18})x_5x_4+$$
$$(-262144u_5^2u_4^{27}u_1^{18} + 131072u_5^2u_4^{27}u_1^{17})x_5x_3^2+$$
$$131072u_5^2u_4^{29}u_1^{17}x_5x_3 + 262144u_6u_4^{28}u_1^{18}x_4x_3^2-$$
$$262144u_6u_4^{28}u_1^{18}x_4x_3 - 131072u_6u_5^2u_4^{28}u_1^{17}x_3^2+$$
$$131072u_6u_5^2u_4^{28}u_1^{17}x_3$$

S-pol added.

838. Creating S-polynomial from the pair (p_3, p_{107}).

Forming S-pol of p_3 and p_{107}:

$$p_{1528} = 131072u_2^{31}u_1^{17}x_5x_4^2+$$
$$(131072u_5^2u_2^{29}u_1^{17} - 65536u_5^2u_2^{29}u_1^{16} - 524288u_2^{29}u_1^{19}+$$
$$262144u_2^{29}u_1^{18})x_5x_4x_1 - 65536u_5^2u_2^{31}u_1^{16}x_5x_4+$$
$$(262144u_5^2u_2^{29}u_1^{18} - 131072u_5^2u_2^{29}u_1^{17})x_5x_1-$$
$$131072u_6u_2^{30}u_1^{17}x_4^2x_1 + 131072u_6u_2^{30}u_1^{17}x_4^2+$$
$$65536u_6u_5^2u_2^{30}u_1^{16}x_4x_1 - 65536u_6u_5^2u_2^{30}u_1^{16}x_4$$

S-pol added.

839. Creating S-polynomial from the pair (p_3, p_{108}).
Forming S-pol of p_3 and p_{108}:

$$p_{1529} = 131072u_3^{31}u_1^{17}x_5x_4^2+$$
$$(131072u_5^2u_3^{29}u_1^{17} - 65536u_5^2u_3^{29}u_1^{16} - 524288u_3^{29}u_1^{19}+$$
$$262144u_3^{29}u_1^{18})x_5x_4x_2 - 65536u_5^2u_3^{31}u_1^{16}x_5x_4+$$
$$(262144u_5^2u_3^{29}u_1^{18} - 131072u_5^2u_3^{29}u_1^{17})x_5x_2-$$
$$131072u_6u_3^{30}u_1^{17}x_4^2x_2 + 131072u_6u_3^{30}u_1^{17}x_4^2+$$
$$65536u_6u_5^2u_3^{30}u_1^{16}x_4x_2 - 65536u_6u_5^2u_3^{30}u_1^{16}x_4$$

S-pol added.

840. Creating S-polynomial from the pair (p_3, p_{109}).
Forming S-pol of p_3 and p_{109}:

$$p_{1530} = 131072u_4^{31}u_1^{17}x_5x_4^2+$$
$$(131072u_5^2u_4^{29}u_1^{17} - 65536u_5^2u_4^{29}u_1^{16} - 524288u_4^{29}u_1^{19}+$$
$$262144u_4^{29}u_1^{18})x_5x_4x_3 - 65536u_5^2u_4^{31}u_1^{16}x_5x_4+$$
$$(262144u_5^2u_4^{29}u_1^{18} - 131072u_5^2u_4^{29}u_1^{17})x_5x_3-$$
$$131072u_6u_4^{30}u_1^{17}x_4^2x_3 + 131072u_6u_4^{30}u_1^{17}x_4^2+$$
$$65536u_6u_5^2u_4^{30}u_1^{16}x_4x_3 - 65536u_6u_5^2u_4^{30}u_1^{16}x_4$$

S-pol added.

841. Creating S-polynomial from the pair (p_3, p_{110}).
Forming S-pol of p_3 and p_{110}:

$$p_{1531} = 65536u_3^{30}u_1^{16}x_5x_4^2+$$
$$(65536u_5^2u_3^{28}u_1^{16} - 32768u_5^2u_3^{28}u_1^{15} - 262144u_3^{28}u_1^{18}+$$
$$131072u_3^{28}u_1^{17})x_5x_4x_2 - 32768u_5^2u_3^{30}u_1^{15}x_5x_4+$$
$$(131072u_5^2u_3^{28}u_1^{17} - 65536u_5^2u_3^{28}u_1^{16})x_5x_2-$$
$$65536u_6u_3^{29}u_1^{16}x_4^2x_2 + 65536u_6u_3^{29}u_1^{16}x_4^2+$$
$$32768u_6u_5^2u_3^{29}u_1^{15}x_4x_2 - 32768u_6u_5^2u_3^{29}u_1^{15}x_4$$

S-pol added.

842. Creating S-polynomial from the pair (p_3, p_{111}).
Forming S-pol of p_3 and p_{111}:

$$p_{1532} = 65536u_2^{30}u_1^{16}x_5x_4^2+$$
$$(65536u_5^2u_2^{28}u_1^{16} - 32768u_5^2u_2^{28}u_1^{15} - 262144u_2^{28}u_1^{18}+$$
$$131072u_2^{28}u_1^{17})x_5x_4x_1 - 32768u_5^2u_2^{30}u_1^{15}x_5x_4+$$
$$(131072u_5^2u_2^{28}u_1^{17} - 65536u_5^2u_2^{28}u_1^{16})x_5x_1-$$
$$65536u_6u_2^{29}u_1^{16}x_4^2x_1 + 65536u_6u_2^{29}u_1^{16}x_4^2+$$
$$32768u_6u_5^2u_2^{29}u_1^{15}x_4x_1 - 32768u_6u_5^2u_2^{29}u_1^{15}x_4$$

S-pol added.

843. Creating S-polynomial from the pair (p_3, p_{112}).

Forming S-pol of p_3 and p_{112}:

$$p_{1533} = 65536u_4^{30}u_1^{16}x_5x_4^2+$$
$$(65536u_5^2u_4^{28}u_1^{16} - 32768u_5^2u_4^{28}u_1^{15} - 262144u_4^{28}u_1^{18}+$$
$$131072u_4^{28}u_1^{17})x_5x_4x_3 - 32768u_5^2u_4^{30}u_1^{15}x_5x_4+$$
$$(131072u_5^2u_4^{28}u_1^{17} - 65536u_5^2u_4^{28}u_1^{16})x_5x_3-$$
$$65536u_6u_4^{29}u_1^{16}x_4^2x_3 + 65536u_6u_4^{29}u_1^{16}x_4^2+$$
$$32768u_6u_5^2u_4^{29}u_1^{15}x_4x_3 - 32768u_6u_5^2u_4^{29}u_1^{15}x_4$$

S-pol added.

844. Creating S-polynomial from the pair (p_3, p_{113}).

Forming S-pol of p_3 and p_{113}:

$$p_{1534} = (524288u_2^{27}u_1^{19} - 262144u_2^{27}u_1^{18})x_5x_4^2+$$
$$(524288u_2^{27}u_1^{19} - 2097152u_2^{25}u_1^{21} + 1048576u_2^{25}u_1^{20})x_5x_4x_1+$$
$$(-262144u_5^2u_2^{27}u_1^{18} + 1048576u_5^2u_2^{25}u_1^{20} - 524288u_5^2u_2^{25}u_1^{19})x_5x_1+$$
$$(-524288u_6u_2^{26}u_1^{19} + 262144u_6u_2^{26}u_1^{18})x_4^2x_1 + 262144u_6u_2^{28}u_1^{18}x_4^2$$

S-pol added.

845. Creating S-polynomial from the pair (p_3, p_{114}).

Forming S-pol of p_3 and p_{114}:

$$p_{1535} = (262144u_2^{26}u_1^{18} - 131072u_2^{26}u_1^{17})x_5x_4^2+$$
$$(262144u_2^{26}u_1^{18} - 1048576u_2^{24}u_1^{20} + 524288u_2^{24}u_1^{19})x_5x_4x_1+$$
$$(-131072u_5^2u_2^{26}u_1^{17} + 524288u_5^2u_2^{24}u_1^{19} - 262144u_5^2u_2^{24}u_1^{18})x_5x_1+$$
$$(-262144u_6u_2^{25}u_1^{18} + 131072u_6u_2^{25}u_1^{17})x_4^2x_1 + 131072u_6u_2^{27}u_1^{17}x_4^2$$

S-pol added.

846. Creating S-polynomial from the pair (p_3, p_{115}).

Forming S-pol of p_3 and p_{115}:

$$p_{1536} = (524288u_3^{27}u_1^{19} - 262144u_3^{27}u_1^{18})x_5x_4^2+$$
$$(524288u_3^{27}u_1^{19} - 2097152u_3^{25}u_1^{21} + 1048576u_3^{25}u_1^{20})x_5x_4x_2+$$
$$(-262144u_5^2u_3^{27}u_1^{18} + 1048576u_5^2u_3^{25}u_1^{20} - 524288u_5^2u_3^{25}u_1^{19})x_5x_2+$$
$$(-524288u_6u_3^{26}u_1^{19} + 262144u_6u_3^{26}u_1^{18})x_4^2x_2 + 262144u_6u_3^{28}u_1^{18}x_4^2$$

S-pol added.

847. Creating S-polynomial from the pair (p_3, p_{116}).

Forming S-pol of p_3 and p_{116}:

$$p_{1537} = (262144u_3^{26}u_1^{18} - 131072u_3^{26}u_1^{17})x_5x_4^2+$$
$$(262144u_3^{26}u_1^{18} - 1048576u_3^{24}u_1^{20} + 524288u_3^{24}u_1^{19})x_5x_4x_2+$$
$$(-131072u_5^2u_3^{26}u_1^{17} + 524288u_5^2u_3^{24}u_1^{19} - 262144u_5^2u_3^{24}u_1^{18})x_5x_2+$$
$$(-262144u_6u_3^{25}u_1^{18} + 131072u_6u_3^{25}u_1^{17})x_4^2x_2 + 131072u_6u_3^{27}u_1^{17}x_4^2$$

S-pol added.

848. Creating S-polynomial from the pair (p_3, p_{117}).

Forming S-pol of p_3 and p_{117}:

$$p_{1538} = (524288u_4^{27}u_1^{19} - 262144u_4^{27}u_1^{18})x_5x_4^2+$$
$$(524288u_4^{27}u_1^{19} - 2097152u_4^{25}u_1^{21} + 1048576u_4^{25}u_1^{20})x_5x_4x_3+$$
$$(-262144u_5^2u_4^{27}u_1^{18} + 1048576u_5^2u_4^{25}u_1^{20} - 524288u_5^2u_4^{25}u_1^{19})x_5x_3+$$
$$(-524288u_6u_4^{26}u_1^{19} + 262144u_6u_4^{26}u_1^{18})x_4^2x_3 + 262144u_6u_4^{28}u_1^{18}x_4^2$$

S-pol added.

849. Creating S-polynomial from the pair (p_3, p_{118}).

Forming S-pol of p_3 and p_{118}:

$$p_{1539} = (262144u_4^{26}u_1^{18} - 131072u_4^{26}u_1^{17})x_5x_4^2+$$
$$(262144u_4^{26}u_1^{18} - 1048576u_4^{24}u_1^{20} + 524288u_4^{24}u_1^{19})x_5x_4x_3+$$
$$(-131072u_5^2u_4^{26}u_1^{17} + 524288u_5^2u_4^{24}u_1^{19} - 262144u_5^2u_4^{24}u_1^{18})x_5x_3+$$
$$(-262144u_6u_4^{25}u_1^{18} + 131072u_6u_4^{25}u_1^{17})x_4^2x_3 + 131072u_6u_4^{27}u_1^{17}x_4^2$$

S-pol added.

850. Creating S-polynomial from the pair (p_3, p_{119}).

Forming S-pol of p_3 and p_{119}: Polynomial too big for output (text size is 2118 characters, number of terms is 8)

S-pol added.

851. Creating S-polynomial from the pair (p_3, p_{120}).

Forming S-pol of p_3 and p_{120}: Polynomial too big for output (text size is 1325 characters, number of terms is 8)

S-pol added.

852. Creating S-polynomial from the pair (p_3, p_{121}).

Forming S-pol of p_3 and p_{121}: Polynomial too big for output (text size is 1130 characters, number of terms is 9)

S-pol added.

853. Creating S-polynomial from the pair (p_3, p_{122}).

Forming S-pol of p_3 and p_{122}:

$$p_{1540} = (-134217728u_3^{45}u_1^{27} + 67108864u_3^{45}u_1^{26})x_5x_4^2+$$
$$(33554432u_5^2u_3^{45}u_1^{25} - 134217728u_5^2u_3^{43}u_1^{27} + 67108864u_5^2u_3^{43}u_1^{26}-$$
$$134217728u_3^{45}u_1^{27} + 536870912u_3^{43}u_1^{29} - 268435456u_3^{43}u_1^{28})x_5x_4x_2+$$
$$(67108864u_5^2u_3^{45}u_1^{26} - 33554432u_5^2u_3^{45}u_1^{25})x_5x_4+$$
$$(67108864u_5^2u_3^{45}u_1^{26} - 268435456u_5^2u_3^{43}u_1^{28}+$$
$$134217728u_5^2u_3^{43}u_1^{27})x_5x_2+$$
$$(134217728u_6u_3^{44}u_1^{27} - 67108864u_6u_3^{44}u_1^{26})x_4^2x_2-$$
$$67108864u_6u_3^{46}u_1^{26}x_4^2+$$
$$(-67108864u_6u_5^2u_3^{44}u_1^{26} + 33554432u_6u_5^2u_3^{44}u_1^{25})x_4x_2+$$
$$33554432u_6u_5^2u_3^{46}u_1^{25}x_4$$

S-pol added.

854. Creating S-polynomial from the pair (p_3, p_{123}).

Forming S-pol of p_3 and p_{123}: Polynomial too big for output (text size is 1058 characters, number of terms is 9)

S-pol added.

855. Creating S-polynomial from the pair (p_3, p_{124}).

Forming S-pol of p_3 and p_{124}: Polynomial too big for output (text size is 1127 characters, number of terms is 8)

S-pol added.

856. Creating S-polynomial from the pair (p_3, p_{125}).

Forming S-pol of p_3 and p_{125}:

$$p_{1541} = (-16777216u_3^{43}u_1^{24} + 8388608u_3^{43}u_1^{23})x_5x_4^2+$$
$$(4194304u_5^2u_3^{43}u_1^{22} - 16777216u_5^2u_3^{41}u_1^{24} + 8388608u_5^2u_3^{41}u_1^{23}-$$
$$16777216u_3^{43}u_1^{24} + 67108864u_3^{41}u_1^{26} - 33554432u_3^{41}u_1^{25})x_5x_4x_2+$$
$$(8388608u_5^2u_3^{43}u_1^{23} - 4194304u_5^2u_3^{43}u_1^{22})x_5x_4+$$
$$(8388608u_5^2u_3^{43}u_1^{23} - 33554432u_5^2u_3^{41}u_1^{25}+$$
$$16777216u_5^2u_3^{41}u_1^{24})x_5x_2+$$
$$(16777216u_6u_3^{42}u_1^{24} - 8388608u_6u_3^{42}u_1^{23})x_4^2x_2-$$
$$8388608u_6u_3^{44}u_1^{23}x_4^2+$$
$$(-8388608u_6u_5^2u_3^{42}u_1^{23} + 4194304u_6u_5^2u_3^{42}u_1^{22})x_4x_2+$$
$$4194304u_6u_5^2u_3^{44}u_1^{22}x_4$$

S-pol added.

857. Creating S-polynomial from the pair (p_3, p_{126}).

Forming S-pol of p_3 and p_{126}: Polynomial too big for output (text size is 1125 characters, number of terms is 9)

S-pol added.

858. Creating S-polynomial from the pair (p_3, p_{127}).

Forming S-pol of p_3 and p_{127}: Polynomial too big for output (text size is 1050 characters, number of terms is 9)

S-pol added.

859. Creating S-polynomial from the pair (p_3, p_{128}).

Forming S-pol of p_3 and p_{128}:

$$p_{1542} = (-65536u_3^{20}u_1^{16} + 32768u_3^{20}u_1^{15})x_5x_4^2+$$

$$(-65536u_3^{20}u_1^{16} + 262144u_3^{18}u_1^{18} - 131072u_3^{18}u_1^{17})x_5x_4x_2+$$

$$(32768u_5^2u_3^{20}u_1^{15} - 131072u_5^2u_3^{18}u_1^{17} + 65536u_5^2u_3^{18}u_1^{16})x_5x_2+$$

$$(65536u_6u_3^{19}u_1^{16} - 32768u_6u_3^{19}u_1^{15})x_4^2x_2 - 32768u_6u_3^{21}u_1^{15}x_4^2$$

S-pol added.

860. Creating S-polynomial from the pair (p_3, p_{129}).

Forming S-pol of p_3 and p_{129}:

$$p_{1543} = (-32768u_3^{19}u_1^{15} + 16384u_3^{19}u_1^{14})x_5x_4^2+$$

$$(-32768u_3^{19}u_1^{15} + 131072u_3^{17}u_1^{17} - 65536u_3^{17}u_1^{16})x_5x_4x_2+$$

$$(16384u_5^2u_3^{19}u_1^{14} - 65536u_5^2u_3^{17}u_1^{16} + 32768u_5^2u_3^{17}u_1^{15})x_5x_2+$$

$$(32768u_6u_3^{18}u_1^{15} - 16384u_6u_3^{18}u_1^{14})x_4^2x_2 - 16384u_6u_3^{20}u_1^{14}x_4^2$$

S-pol added.

861. Creating S-polynomial from the pair (p_3, p_{130}).

Forming S-pol of p_3 and p_{130}: Polynomial too big for output (text size is 2118 characters, number of terms is 8)

S-pol added.

862. Creating S-polynomial from the pair (p_3, p_{131}).

Forming S-pol of p_3 and p_{131}: Polynomial too big for output (text size is 1325 characters, number of terms is 8)

S-pol added.

863. Creating S-polynomial from the pair (p_3, p_{132}).

Forming S-pol of p_3 and p_{132}:

$$p_{1544} = (-134217728u_2^{45}u_1^{27} + 67108864u_2^{45}u_1^{26})x_5x_4^2+$$

$$(33554432u_5^2u_2^{45}u_1^{25} - 134217728u_5^2u_2^{43}u_1^{27} + 67108864u_5^2u_2^{43}u_1^{26}-$$

$$134217728u_2^{45}u_1^{27} + 536870912u_2^{43}u_1^{29} - 268435456u_2^{43}u_1^{28})x_5x_4x_1+$$
$$(67108864u_5^2u_2^{45}u_1^{26} - 33554432u_5^2u_2^{45}u_1^{25})x_5x_4+$$
$$(67108864u_5^2u_2^{45}u_1^{26} - 268435456u_5^2u_2^{43}u_1^{28}+$$
$$134217728u_5^2u_2^{43}u_1^{27})x_5x_1+$$
$$(134217728u_6u_2^{44}u_1^{27} - 67108864u_6u_2^{44}u_1^{26})x_4^2x_1-$$
$$67108864u_6u_2^{46}u_1^{26}x_4^2+$$
$$(-67108864u_6u_5^2u_2^{44}u_1^{26} + 33554432u_6u_5^2u_2^{44}u_1^{25})x_4x_1+$$
$$33554432u_6u_5^2u_2^{46}u_1^{25}x_4$$

S-pol added.

864. Creating S-polynomial from the pair (p_3, p_{133}).

Forming S-pol of p_3 and p_{133}: Polynomial too big for output (text size is 1058 characters, number of terms is 9)

S-pol added.

865. Creating S-polynomial from the pair (p_3, p_{134}).

Forming S-pol of p_3 and p_{134}: Polynomial too big for output (text size is 1058 characters, number of terms is 9)

S-pol added.

866. Creating S-polynomial from the pair (p_3, p_{135}).

Forming S-pol of p_3 and p_{135}: Polynomial too big for output (text size is 1050 characters, number of terms is 9)

S-pol added.

867. Creating S-polynomial from the pair (p_3, p_{136}).

Forming S-pol of p_3 and p_{136}: Polynomial too big for output (text size is 1127 characters, number of terms is 8)

S-pol added.

868. Creating S-polynomial from the pair (p_3, p_{137}).

Forming S-pol of p_3 and p_{137}:

$$p_{1545} = (-16777216u_2^{43}u_1^{24} + 8388608u_2^{43}u_1^{23})x_5x_4^2+$$
$$(4194304u_5^2u_2^{43}u_1^{22} - 16777216u_5^2u_2^{41}u_1^{24} + 8388608u_5^2u_2^{41}u_1^{23}-$$
$$16777216u_2^{43}u_1^{24} + 67108864u_2^{41}u_1^{26} - 33554432u_2^{41}u_1^{25})x_5x_4x_1+$$
$$(8388608u_5^2u_2^{43}u_1^{23} - 4194304u_5^2u_2^{43}u_1^{22})x_5x_4+$$
$$(8388608u_5^2u_2^{43}u_1^{23} - 33554432u_5^2u_2^{41}u_1^{25}+$$
$$16777216u_5^2u_2^{41}u_1^{24})x_5x_1+$$
$$(16777216u_6u_2^{42}u_1^{24} - 8388608u_6u_2^{42}u_1^{23})x_4^2x_1-$$
$$8388608u_6u_2^{44}u_1^{23}x_4^2+$$
$$(-8388608u_6u_5^2u_2^{42}u_1^{23} + 4194304u_6u_5^2u_2^{42}u_1^{22})x_4x_1+$$
$$4194304u_6u_5^2u_2^{44}u_1^{22}x_4$$

S-pol added.

869. Creating S-polynomial from the pair (p_3, p_{138}).

Forming S-pol of p_3 and p_{138}: Polynomial too big for output (text size is 1050 characters, number of terms is 9)

S-pol added.

870. Creating S-polynomial from the pair (p_3, p_{139}).

Forming S-pol of p_3 and p_{139}:

$$p_{1546} = (-65536u_2^{20}u_1^{16} + 32768u_2^{20}u_1^{15})x_5x_4^2+$$
$$(-65536u_2^{20}u_1^{16} + 262144u_2^{18}u_1^{18} - 131072u_2^{18}u_1^{17})x_5x_4x_1+$$
$$(32768u_5^2u_2^{20}u_1^{15} - 131072u_5^2u_2^{18}u_1^{17} + 65536u_5^2u_2^{18}u_1^{16})x_5x_1+$$
$$(65536u_6u_2^{19}u_1^{16} - 32768u_6u_2^{19}u_1^{15})x_4^2x_1 - 32768u_6u_2^{21}u_1^{15}x_4^2$$

S-pol added.

871. Creating S-polynomial from the pair (p_3, p_{140}).

Forming S-pol of p_3 and p_{140}:

$$p_{1547} = (-32768u_2^{19}u_1^{15} + 16384u_2^{19}u_1^{14})x_5x_4^2+$$
$$(-32768u_2^{19}u_1^{15} + 131072u_2^{17}u_1^{17} - 65536u_2^{17}u_1^{16})x_5x_4x_1+$$
$$(16384u_5^2u_2^{19}u_1^{14} - 65536u_5^2u_2^{17}u_1^{16} + 32768u_5^2u_2^{17}u_1^{15})x_5x_1+$$
$$(32768u_6u_2^{18}u_1^{15} - 16384u_6u_2^{18}u_1^{14})x_4^2x_1 - 16384u_6u_2^{20}u_1^{14}x_4^2$$

S-pol added.

872. Creating S-polynomial from the pair (p_3, p_{141}).

Forming S-pol of p_3 and p_{141}: Polynomial too big for output (text size is 2118 characters, number of terms is 8)

S-pol added.

873. Creating S-polynomial from the pair (p_3, p_{142}).

Forming S-pol of p_3 and p_{142}: Polynomial too big for output (text size is 1325 characters, number of terms is 8)

S-pol added.

874. Creating S-polynomial from the pair (p_3, p_{143}).

Forming S-pol of p_3 and p_{143}: Polynomial too big for output (text size is 1130 characters, number of terms is 9)

S-pol added.

875. Creating S-polynomial from the pair (p_3, p_{144}).

Forming S-pol of p_3 and p_{144}: Polynomial too big for output (text size is 1130 characters, number of terms is 9)

S-pol added.

876. Creating S-polynomial from the pair (p_3, p_{145}).

Forming S-pol of p_3 and p_{145}:

$$p_{1548} = (-134217728u_4^{45}u_1^{27} + 67108864u_4^{45}u_1^{26})x_5x_4^2+$$
$$(33554432u_5^2u_4^{45}u_1^{25} - 134217728u_5^2u_4^{43}u_1^{27} + 67108864u_5^2u_4^{43}u_1^{26}-$$
$$134217728u_4^{45}u_1^{27} + 536870912u_4^{43}u_1^{29} - 268435456u_4^{43}u_1^{28})x_5x_4x_3+$$
$$(67108864u_5^2u_4^{45}u_1^{26} - 33554432u_5^2u_4^{45}u_1^{25})x_5x_4+$$
$$(67108864u_5^2u_4^{45}u_1^{26} - 268435456u_5^2u_4^{43}u_1^{28}+$$
$$134217728u_5^2u_4^{43}u_1^{27})x_5x_3+$$
$$(134217728u_6u_4^{44}u_1^{27} - 67108864u_6u_4^{44}u_1^{26})x_4^2x_3-$$
$$67108864u_6u_4^{46}u_1^{26}x_4^2+$$
$$(-67108864u_6u_5^2u_4^{44}u_1^{26} + 33554432u_6u_5^2u_4^{44}u_1^{25})x_4x_3+$$
$$33554432u_6u_5^2u_4^{46}u_1^{25}x_4$$

S-pol added.

877. Creating S-polynomial from the pair (p_3, p_{146}).

Forming S-pol of p_3 and p_{146}: Polynomial too big for output (text size is 1125 characters, number of terms is 9)

S-pol added.

878. Creating S-polynomial from the pair (p_3, p_{147}).

Forming S-pol of p_3 and p_{147}: Polynomial too big for output (text size is 1125 characters, number of terms is 9)

S-pol added.

879. Creating S-polynomial from the pair (p_3, p_{148}).

Forming S-pol of p_3 and p_{148}: Polynomial too big for output (text size is 1127 characters, number of terms is 8)

S-pol added.

880. Creating S-polynomial from the pair (p_3, p_{149}).

Forming S-pol of p_3 and p_{149}:

$$p_{1549} = (-16777216u_4^{43}u_1^{24} + 8388608u_4^{43}u_1^{23})x_5x_4^2+$$
$$(4194304u_5^2u_4^{43}u_1^{22} - 16777216u_5^2u_4^{41}u_1^{24} + 8388608u_5^2u_4^{41}u_1^{23}-$$
$$16777216u_4^{43}u_1^{24} + 67108864u_4^{41}u_1^{26} - 33554432u_4^{41}u_1^{25})x_5x_4x_3+$$
$$(8388608u_5^2u_4^{43}u_1^{23} - 4194304u_5^2u_4^{43}u_1^{22})x_5x_4+$$
$$(8388608u_5^2u_4^{43}u_1^{23} - 33554432u_5^2u_4^{41}u_1^{25}+$$
$$16777216u_5^2u_4^{41}u_1^{24})x_5x_3+$$
$$(16777216u_6u_4^{42}u_1^{24} - 8388608u_6u_4^{42}u_1^{23})x_4^2x_3-$$
$$8388608u_6u_4^{44}u_1^{23}x_4^2+$$
$$(-8388608u_6u_5^2u_4^{42}u_1^{23} + 4194304u_6u_5^2u_4^{42}u_1^{22})x_4x_3+$$
$$4194304u_6u_5^2u_4^{44}u_1^{22}x_4$$

S-pol added.

881. Creating S-polynomial from the pair (p_3, p_{150}).

Forming S-pol of p_3 and p_{150}:

$$p_{1550} = (-65536u_4^{20}u_1^{16} + 32768u_4^{20}u_1^{15})x_5x_4^2+$$
$$(-65536u_4^{20}u_1^{16} + 262144u_4^{18}u_1^{18} - 131072u_4^{18}u_1^{17})x_5x_4x_3+$$
$$(32768u_5^2u_4^{20}u_1^{15} - 131072u_5^2u_4^{18}u_1^{17} + 65536u_5^2u_4^{18}u_1^{16})x_5x_3+$$
$$(65536u_6u_4^{19}u_1^{16} - 32768u_6u_4^{19}u_1^{15})x_4^2x_3 - 32768u_6u_4^{21}u_1^{15}x_4^2$$

S-pol added.

882. Creating S-polynomial from the pair (p_3, p_{151}).

Forming S-pol of p_3 and p_{151}:

$$p_{1551} = (-32768u_4^{19}u_1^{15} + 16384u_4^{19}u_1^{14})x_5x_4^2+$$
$$(-32768u_4^{19}u_1^{15} + 131072u_4^{17}u_1^{17} - 65536u_4^{17}u_1^{16})x_5x_4x_3+$$
$$(16384u_5^2u_4^{19}u_1^{14} - 65536u_5^2u_4^{17}u_1^{16} + 32768u_5^2u_4^{17}u_1^{15})x_5x_3+$$
$$(32768u_6u_4^{18}u_1^{15} - 16384u_6u_4^{18}u_1^{14})x_4^2x_3 - 16384u_6u_4^{20}u_1^{14}x_4^2$$

S-pol added.

883. Creating S-polynomial from the pair (p_3, p_{152}).

Forming S-pol of p_3 and p_{152}:

$$p_{1552} = 16384u_2^{25}u_1^{14}x_5x_4^2 + (-65536u_2^{23}u_1^{16} + 32768u_2^{23}u_1^{15})x_5x_4x_1+$$
$$(32768u_5^2u_2^{23}u_1^{15} - 16384u_5^2u_2^{23}u_1^{14})x_5x_1-$$
$$16384u_6u_2^{24}u_1^{14}x_4^2x_1 + 16384u_6u_2^{24}u_1^{14}x_4^2$$

Reduced to zero.

884. Creating S-polynomial from the pair (p_3, p_{153}).

Forming S-pol of p_3 and p_{153}:

$$p_{1553} = 8192u_2^{24}u_1^{13}x_5x_4^2 + (-32768u_2^{22}u_1^{15} + 16384u_2^{22}u_1^{14})x_5x_4x_1+$$
$$(16384u_5^2u_2^{22}u_1^{14} - 8192u_5^2u_2^{22}u_1^{13})x_5x_1-$$
$$8192u_6u_2^{23}u_1^{13}x_4^2x_1 + 8192u_6u_2^{23}u_1^{13}x_4^2$$

Reduced to zero.

885. Creating S-polynomial from the pair (p_3, p_{154}).

Forming S-pol of p_3 and p_{154}: Polynomial too big for output (text size is 2629 characters, number of terms is 8)

S-pol added.

886. Creating S-polynomial from the pair (p_3, p_{155}).

Forming S-pol of p_3 and p_{155}: Polynomial too big for output (text size is 1637 characters, number of terms is 8)

S-pol added.

887. Creating S-polynomial from the pair (p_3, p_{156}).

Forming S-pol of p_3 and p_{156}:

$$p_{1554} = -1048576u_2^{32}u_1^{20}x_5x_4^2+$$
$$(-1048576u_5^2u_2^{30}u_1^{20} + 524288u_5^2u_2^{30}u_1^{19} + 4194304u_2^{30}u_1^{22}-$$
$$2097152u_2^{30}u_1^{21})x_5x_4x_1 + 524288u_5^2u_2^{32}u_1^{19}x_5x_4+$$
$$(-2097152u_5^2u_2^{30}u_1^{21} + 1048576u_5^2u_2^{30}u_1^{20})x_5x_1+$$
$$1048576u_6u_2^{31}u_1^{20}x_4^2x_1 - 1048576u_6u_2^{31}u_1^{20}x_4^2-$$
$$524288u_6u_5^2u_2^{31}u_1^{19}x_4x_1 + 524288u_6u_5^2u_2^{31}u_1^{19}x_4$$

S-pol added.

888. Creating S-polynomial from the pair (p_3, p_{157}).

Forming S-pol of p_3 and p_{157}: Polynomial too big for output (text size is 1188 characters, number of terms is 9)

S-pol added.

889. Creating S-polynomial from the pair (p_3, p_{158}).

Forming S-pol of p_3 and p_{158}: Polynomial too big for output (text size is 1188 characters, number of terms is 9)

S-pol added.

890. Creating S-polynomial from the pair (p_3, p_{159}).

Forming S-pol of p_3 and p_{159}: Polynomial too big for output (text size is 1180 characters, number of terms is 9)

S-pol added.

891. Creating S-polynomial from the pair (p_3, p_{160}).

Forming S-pol of p_3 and p_{160}: Polynomial too big for output (text size is 1517 characters, number of terms is 8)

S-pol added.

892. Creating S-polynomial from the pair (p_3, p_{161}).

Forming S-pol of p_3 and p_{161}:

$$p_{1555} = -131072u_2^{25}u_1^{17}x_5x_4^2+$$
$$(-131072u_5^2u_2^{23}u_1^{17} + 65536u_5^2u_2^{23}u_1^{16} + 524288u_2^{23}u_1^{19}-$$
$$262144u_2^{23}u_1^{18})x_5x_4x_1 + 65536u_5^2u_2^{25}u_1^{16}x_5x_4+$$
$$(-262144u_5^2u_2^{23}u_1^{18} + 131072u_5^2u_2^{23}u_1^{17})x_5x_1+$$
$$131072u_6u_2^{24}u_1^{17}x_4^2x_1 - 131072u_6u_2^{24}u_1^{17}x_4^2-$$
$$65536u_6u_5^2u_2^{24}u_1^{16}x_4x_1 + 65536u_6u_5^2u_2^{24}u_1^{16}x_4$$

S-pol added.

893. Creating S-polynomial from the pair (p_3, p_{162}).

Forming S-pol of p_3 and p_{162}: Polynomial too big for output (text size is 1180 characters, number of terms is 9)

S-pol added.

894. Creating S-polynomial from the pair (p_3, p_{163}).

Forming S-pol of p_3 and p_{163}:

$$p_{1556} = 16384u_3^{25}u_1^{14}x_5x_4^2 + (-65536u_3^{23}u_1^{16} + 32768u_3^{23}u_1^{15})x_5x_4x_2 + (32768u_5^2u_3^{23}u_1^{15} - 16384u_5^2u_3^{23}u_1^{14})x_5x_2 - 16384u_6u_3^{24}u_1^{14}x_4^2x_2 + 16384u_6u_3^{24}u_1^{14}x_4^2$$

Reduced to zero.

895. Creating S-polynomial from the pair (p_3, p_{164}).

Forming S-pol of p_3 and p_{164}:

$$p_{1557} = 8192u_3^{24}u_1^{13}x_5x_4^2 + (-32768u_3^{22}u_1^{15} + 16384u_3^{22}u_1^{14})x_5x_4x_2 + (16384u_5^2u_3^{22}u_1^{14} - 8192u_5^2u_3^{22}u_1^{13})x_5x_2 - 8192u_6u_3^{23}u_1^{13}x_4^2x_2 + 8192u_6u_3^{23}u_1^{13}x_4^2$$

Reduced to zero.

896. Creating S-polynomial from the pair (p_3, p_{165}).

Forming S-pol of p_3 and p_{165}: Polynomial too big for output (text size is 2629 characters, number of terms is 8)

S-pol added.

897. Creating S-polynomial from the pair (p_3, p_{166}).

Forming S-pol of p_3 and p_{166}: Polynomial too big for output (text size is 1637 characters, number of terms is 8)

S-pol added.

898. Creating S-polynomial from the pair (p_3, p_{167}).

Forming S-pol of p_3 and p_{167}: Polynomial too big for output (text size is 1172 characters, number of terms is 9)

S-pol added.

899. Creating S-polynomial from the pair (p_3, p_{168}).

Forming S-pol of p_3 and p_{168}:

$$p_{1558} = -1048576u_3^{32}u_1^{20}x_5x_4^2 + (-1048576u_5^2u_3^{30}u_1^{20} + 524288u_5^2u_3^{30}u_1^{19} + 4194304u_3^{30}u_1^{22} - 2097152u_3^{30}u_1^{21})x_5x_4x_2 + 524288u_5^2u_3^{32}u_1^{19}x_5x_4 + (-2097152u_5^2u_3^{30}u_1^{21} + 1048576u_5^2u_3^{30}u_1^{20})x_5x_2 + 1048576u_6u_3^{31}u_1^{20}x_4^2x_2 - 1048576u_6u_3^{31}u_1^{20}x_4^2 - 524288u_6u_5^2u_3^{31}u_1^{19}x_4x_2 + 524288u_6u_5^2u_3^{31}u_1^{19}x_4$$

S-pol added.

900. Creating S-polynomial from the pair (p_3, p_{169}).

Forming S-pol of p_3 and p_{169}: Polynomial too big for output (text size is 1188 characters, number of terms is 9)

S-pol added.

901. Creating S-polynomial from the pair (p_3, p_{170}).

Forming S-pol of p_3 and p_{170}: Polynomial too big for output (text size is 1517 characters, number of terms is 8)

S-pol added.

902. Creating S-polynomial from the pair (p_3, p_{171}).

Forming S-pol of p_3 and p_{171}:

$$p_{1559} = -131072u_3^{25}u_1^{17}x_5x_4^2+$$
$$(-131072u_5^2u_3^{23}u_1^{17} + 65536u_5^2u_3^{23}u_1^{16} + 524288u_3^{23}u_1^{19}-$$
$$262144u_3^{23}u_1^{18})x_5x_4x_2 + 65536u_5^2u_3^{25}u_1^{16}x_5x_4+$$
$$(-262144u_5^2u_3^{23}u_1^{18} + 131072u_5^2u_3^{23}u_1^{17})x_5x_2+$$
$$131072u_6u_3^{24}u_1^{17}x_4^2x_2 - 131072u_6u_3^{24}u_1^{17}x_4^2-$$
$$65536u_6u_5^2u_3^{24}u_1^{16}x_4x_2 + 65536u_6u_5^2u_3^{24}u_1^{16}x_4$$

S-pol added.

903. Creating S-polynomial from the pair (p_3, p_{172}).

Forming S-pol of p_3 and p_{172}: Polynomial too big for output (text size is 1169 characters, number of terms is 9)

S-pol added.

904. Creating S-polynomial from the pair (p_3, p_{173}).

Forming S-pol of p_3 and p_{173}: Polynomial too big for output (text size is 1180 characters, number of terms is 9)

S-pol added.

905. Creating S-polynomial from the pair (p_3, p_{174}).

Forming S-pol of p_3 and p_{174}:

$$p_{1560} = 16384u_4^{25}u_1^{14}x_5x_4^2 + (-65536u_4^{23}u_1^{16} + 32768u_4^{23}u_1^{15})x_5x_4x_3+$$
$$(32768u_5^2u_4^{23}u_1^{15} - 16384u_5^2u_4^{23}u_1^{14})x_5x_3-$$
$$16384u_6u_4^{24}u_1^{14}x_4^2x_3 + 16384u_6u_4^{24}u_1^{14}x_4^2$$

Reduced to zero.

906. Creating S-polynomial from the pair (p_3, p_{175}).

Forming S-pol of p_3 and p_{175}:

$$p_{1561} = 8192u_4^{24}u_1^{13}x_5x_4^2 + (-32768u_4^{22}u_1^{15} + 16384u_4^{22}u_1^{14})x_5x_4x_3+$$
$$(16384u_5^2u_4^{22}u_1^{14} - 8192u_5^2u_4^{22}u_1^{13})x_5x_3-$$
$$8192u_6u_4^{23}u_1^{13}x_4^2x_3 + 8192u_6u_4^{23}u_1^{13}x_4^2$$

Reduced to zero.

907. Creating S-polynomial from the pair (p_3, p_{176}).

Forming S-pol of p_3 and p_{176}: Polynomial too big for output (text size is 2629 characters, number of terms is 8)

S-pol added.

908. Creating S-polynomial from the pair (p_3, p_{177}).

Forming S-pol of p_3 and p_{177}: Polynomial too big for output (text size is 1637 characters, number of terms is 8)

S-pol added.

909. Creating S-polynomial from the pair (p_3, p_{178}).

Forming S-pol of p_3 and p_{178}: Polynomial too big for output (text size is 1172 characters, number of terms is 9)

S-pol added.

910. Creating S-polynomial from the pair (p_3, p_{179}).

Forming S-pol of p_3 and p_{179}: Polynomial too big for output (text size is 1172 characters, number of terms is 9)

S-pol added.

911. Creating S-polynomial from the pair (p_3, p_{180}).

Forming S-pol of p_3 and p_{180}:

$$p_{1562} = -1048576u_4^{32}u_1^{20}x_5x_4^2+$$
$$(-1048576u_5^2u_4^{30}u_1^{20} + 524288u_5^2u_4^{30}u_1^{19} + 4194304u_4^{30}u_1^{22}-$$
$$2097152u_4^{30}u_1^{21})x_5x_4x_3 + 524288u_5^2u_4^{32}u_1^{19}x_5x_4+$$
$$(-2097152u_5^2u_4^{30}u_1^{21} + 1048576u_5^2u_4^{30}u_1^{20})x_5x_3+$$
$$1048576u_6u_4^{31}u_1^{20}x_4^2x_3 - 1048576u_6u_4^{31}u_1^{20}x_4^2-$$
$$524288u_6u_5^2u_4^{31}u_1^{19}x_4x_3 + 524288u_6u_5^2u_4^{31}u_1^{19}x_4$$

S-pol added.

912. Creating S-polynomial from the pair (p_3, p_{181}).

Forming S-pol of p_3 and p_{181}: Polynomial too big for output (text size is 1169 characters, number of terms is 9)

S-pol added.

913. Creating S-polynomial from the pair (p_3, p_{182}).

Forming S-pol of p_3 and p_{182}: Polynomial too big for output (text size is 1169 characters, number of terms is 9)

S-pol added.

914. Creating S-polynomial from the pair (p_3, p_{183}).

Forming S-pol of p_3 and p_{183}: Polynomial too big for output (text size is 1517 characters, number of terms is 8)

S-pol added.

915. Creating S-polynomial from the pair (p_3, p_{184}).

Forming S-pol of p_3 and p_{184}:

$$p_{1563} = -131072u_4^{25}u_1^{17}x_5x_4^2+$$
$$(-131072u_5^2u_4^{23}u_1^{17} + 65536u_5^2u_4^{23}u_1^{16} + 524288u_4^{23}u_1^{19}-$$
$$262144u_4^{23}u_1^{18})x_5x_4x_3 + 65536u_5^2u_4^{25}u_1^{16}x_5x_4+$$
$$(-262144u_5^2u_4^{23}u_1^{18} + 131072u_5^2u_4^{23}u_1^{17})x_5x_3+$$
$$131072u_6u_4^{24}u_1^{17}x_4^2x_3 - 131072u_6u_4^{24}u_1^{17}x_4^2-$$
$$65536u_6u_5^2u_4^{24}u_1^{16}x_4x_3 + 65536u_6u_5^2u_4^{24}u_1^{16}x_4$$

S-pol added.

916. Creating S-polynomial from the pair (p_3, p_{185}).

Forming S-pol of p_3 and p_{185}: Polynomial too big for output (text size is 2751 characters, number of terms is 8)

S-pol added.

917. Creating S-polynomial from the pair (p_3, p_{186}).

Forming S-pol of p_3 and p_{186}: Polynomial too big for output (text size is 1745 characters, number of terms is 8)

S-pol added.

918. Creating S-polynomial from the pair (p_3, p_{187}).

Forming S-pol of p_3 and p_{187}: Polynomial too big for output (text size is 1260 characters, number of terms is 9)

S-pol added.

919. Creating S-polynomial from the pair (p_3, p_{188}).

Forming S-pol of p_3 and p_{188}:

$$p_{1564} = 16777216u_5u_3^{43}u_1^{24}x_5x_4^2+$$
$$(16777216u_5^3u_3^{41}u_1^{24} - 8388608u_5^3u_3^{41}u_1^{23} - 67108864u_5u_3^{41}u_1^{26}+$$
$$33554432u_5u_3^{41}u_1^{25})x_5x_4x_2 - 8388608u_5^3u_3^{43}u_1^{23}x_5x_4+$$
$$(33554432u_5^3u_3^{41}u_1^{25} - 16777216u_5^3u_3^{41}u_1^{24})x_5x_2-$$
$$16777216u_6u_5u_3^{42}u_1^{24}x_4^2x_2 + 16777216u_6u_5u_3^{42}u_1^{24}x_4^2+$$
$$8388608u_6u_5^3u_3^{42}u_1^{23}x_4x_2 - 8388608u_6u_5^3u_3^{42}u_1^{23}x_4$$

S-pol added.

920. Creating S-polynomial from the pair (p_3, p_{189}).

Forming S-pol of p_3 and p_{189}: Polynomial too big for output (text size is 1280 characters, number of terms is 9)

S-pol added.

921. Creating S-polynomial from the pair (p_3, p_{190}).

Forming S-pol of p_3 and p_{190}: Polynomial too big for output (text size is 1566 characters, number of terms is 8)

S-pol added.

922. Creating S-polynomial from the pair (p_3, p_{191}).

Forming S-pol of p_3 and p_{191}:

$$p_{1565} = 8388608u_5u_3^{42}u_1^{23}x_5x_4^2+$$
$$(8388608u_5^3u_3^{40}u_1^{23} - 4194304u_5^3u_3^{40}u_1^{22} - 33554432u_5u_3^{40}u_1^{25}+$$
$$16777216u_5u_3^{40}u_1^{24})x_5x_4x_2 - 4194304u_5^3u_3^{42}u_1^{22}x_5x_4+$$
$$(16777216u_5^3u_3^{40}u_1^{24} - 8388608u_5^3u_3^{40}u_1^{23})x_5x_2-$$
$$8388608u_6u_5u_3^{41}u_1^{23}x_4^2x_2 + 8388608u_6u_5u_3^{41}u_1^{23}x_4^2+$$
$$4194304u_6u_5^3u_3^{41}u_1^{22}x_4x_2 - 4194304u_6u_5^3u_3^{41}u_1^{22}x_4$$

S-pol added.

923. Creating S-polynomial from the pair (p_3, p_{192}).

Forming S-pol of p_3 and p_{192}: Polynomial too big for output (text size is 1252 characters, number of terms is 9)

S-pol added.

924. Creating S-polynomial from the pair (p_3, p_{193}).

Forming S-pol of p_3 and p_{193}: Polynomial too big for output (text size is 1272 characters, number of terms is 9)

S-pol added.

925. Creating S-polynomial from the pair (p_3, p_{194}).

Forming S-pol of p_3 and p_{194}: Polynomial too big for output (text size is 2751 characters, number of terms is 8)

S-pol added.

926. Creating S-polynomial from the pair (p_3, p_{195}).

Forming S-pol of p_3 and p_{195}: Polynomial too big for output (text size is 1745 characters, number of terms is 8)

S-pol added.

927. Creating S-polynomial from the pair (p_3, p_{196}).

Forming S-pol of p_3 and p_{196}:

$$p_{1566} = 16777216u_5u_2^{43}u_1^{24}x_5x_4^2+$$
$$(16777216u_5^3u_2^{41}u_1^{24} - 8388608u_5^3u_2^{41}u_1^{23} - 67108864u_5u_2^{41}u_1^{26}+$$
$$33554432u_5u_2^{41}u_1^{25})x_5x_4x_1 - 8388608u_5^3u_2^{43}u_1^{23}x_5x_4+$$
$$(33554432u_5^3u_2^{41}u_1^{25} - 16777216u_5^3u_2^{41}u_1^{24})x_5x_1-$$
$$16777216u_6u_5u_2^{42}u_1^{24}x_4^2x_1 + 16777216u_6u_5u_2^{42}u_1^{24}x_4^2+$$
$$8388608u_6u_5^3u_2^{42}u_1^{23}x_4x_1 - 8388608u_6u_5^3u_2^{42}u_1^{23}x_4$$

S-pol added.

928. Creating S-polynomial from the pair (p_3, p_{197}).

Forming S-pol of p_3 and p_{197}: Polynomial too big for output (text size is 1280 characters, number of terms is 9)

S-pol added.

929. Creating S-polynomial from the pair (p_3, p_{198}).

Forming S-pol of p_3 and p_{198}: Polynomial too big for output (text size is 1280 characters, number of terms is 9)

S-pol added.

930. Creating S-polynomial from the pair (p_3, p_{199}).

Forming S-pol of p_3 and p_{199}: Polynomial too big for output (text size is 1272 characters, number of terms is 9)

S-pol added.

931. Creating S-polynomial from the pair (p_3, p_{200}).

Forming S-pol of p_3 and p_{200}: Polynomial too big for output (text size is 1566 characters, number of terms is 8)

S-pol added.

932. Creating S-polynomial from the pair (p_3, p_{201}).

Forming S-pol of p_3 and p_{201}:

$$p_{1567} = 8388608u_5u_2^{42}u_1^{23}x_5x_4^2+$$
$$(8388608u_5^3u_2^{40}u_1^{23} - 4194304u_5^3u_2^{40}u_1^{22} - 33554432u_5u_2^{40}u_1^{25}+$$
$$16777216u_5u_2^{40}u_1^{24})x_5x_4x_1 - 4194304u_5^3u_2^{42}u_1^{22}x_5x_4+$$
$$(16777216u_5^3u_2^{40}u_1^{24} - 8388608u_5^3u_2^{40}u_1^{23})x_5x_1-$$
$$8388608u_6u_5u_2^{41}u_1^{23}x_4^2x_1 + 8388608u_6u_5u_2^{41}u_1^{23}x_4^2+$$
$$4194304u_6u_5^3u_2^{41}u_1^{22}x_4x_1 - 4194304u_6u_5^3u_2^{41}u_1^{22}x_4$$

S-pol added.

933. Creating S-polynomial from the pair (p_3, p_{202}).

Forming S-pol of p_3 and p_{202}: Polynomial too big for output (text size is 1272 characters, number of terms is 9)

S-pol added.

934. Creating S-polynomial from the pair (p_3, p_{203}).

Forming S-pol of p_3 and p_{203}: Polynomial too big for output (text size is 2751 characters, number of terms is 8)

S-pol added.

935. Creating S-polynomial from the pair (p_3, p_{204}).

Forming S-pol of p_3 and p_{204}: Polynomial too big for output (text size is 1745 characters, number of terms is 8)

S-pol added.

936. Creating S-polynomial from the pair (p_3, p_{205}).

Forming S-pol of p_3 and p_{205}: Polynomial too big for output (text size is 1260 characters, number of terms is 9)

S-pol added.

937. Creating S-polynomial from the pair (p_3, p_{206}).

Forming S-pol of p_3 and p_{206}: Polynomial too big for output (text size is 1260 characters, number of terms is 9)

S-pol added.

938. Creating S-polynomial from the pair (p_3, p_{207}).

Forming S-pol of p_3 and p_{207}:

$$p_{1568} = 16777216u_5u_4^{43}u_1^{24}x_5x_4^2+$$
$$(16777216u_5^3u_4^{41}u_1^{24} - 8388608u_5^3u_4^{41}u_1^{23} - 67108864u_5u_4^{41}u_1^{26}+$$
$$33554432u_5u_4^{41}u_1^{25})x_5x_4x_3 - 8388608u_5^3u_4^{43}u_1^{23}x_5x_4+$$
$$(33554432u_5^3u_4^{41}u_1^{25} - 16777216u_5^3u_4^{41}u_1^{24})x_5x_3-$$
$$16777216u_6u_5u_4^{42}u_1^{24}x_4^2x_3 + 16777216u_6u_5u_4^{42}u_1^{24}x_4^2+$$
$$8388608u_6u_5^3u_4^{42}u_1^{23}x_4x_3 - 8388608u_6u_5^3u_4^{42}u_1^{23}x_4$$

S-pol added.

939. Creating S-polynomial from the pair (p_3, p_{208}).

Forming S-pol of p_3 and p_{208}: Polynomial too big for output (text size is 1252 characters, number of terms is 9)

S-pol added.

940. Creating S-polynomial from the pair (p_3, p_{209}).

Forming S-pol of p_3 and p_{209}: Polynomial too big for output (text size is 1252 characters, number of terms is 9)

S-pol added.

941. Creating S-polynomial from the pair (p_3, p_{210}).

Forming S-pol of p_3 and p_{210}: Polynomial too big for output (text size is 1566 characters, number of terms is 8)

S-pol added.

942. Creating S-polynomial from the pair (p_3, p_{211}).

Forming S-pol of p_3 and p_{211}:

$$p_{1569} = 8388608u_5u_4^{42}u_1^{23}x_5x_4^2+$$
$$(8388608u_5^3u_4^{40}u_1^{23} - 4194304u_5^3u_4^{40}u_1^{22} - 33554432u_5u_4^{40}u_1^{25}+$$
$$16777216u_5u_4^{40}u_1^{24})x_5x_4x_3 - 4194304u_5^3u_4^{42}u_1^{22}x_5x_4+$$
$$(16777216u_5^3u_4^{40}u_1^{24} - 8388608u_5^3u_4^{40}u_1^{23})x_5x_3-$$
$$8388608u_6u_5u_4^{41}u_1^{23}x_4^2x_3 + 8388608u_6u_5u_4^{41}u_1^{23}x_4^2+$$
$$4194304u_6u_5^3u_4^{41}u_1^{22}x_4x_3 - 4194304u_6u_5^3u_4^{41}u_1^{22}x_4$$

S-pol added.

943. Creating S-polynomial from the pair (p_3, p_{212}).

Forming S-pol of p_3 and p_{212}: Polynomial too big for output (text size is 1518 characters, number of terms is 8)

S-pol added.

944. Creating S-polynomial from the pair (p_3, p_{213}).

Forming S-pol of p_3 and p_{213}: Polynomial too big for output (text size is 1509 characters, number of terms is 8)

S-pol added.

945. Creating S-polynomial from the pair (p_3, p_{214}).

Forming S-pol of p_3 and p_{214}: Polynomial too big for output (text size is 10973 characters, number of terms is 16)

S-pol added.

946. Creating S-polynomial from the pair (p_3, p_{215}).

Forming S-pol of p_3 and p_{215}: Polynomial too big for output (text size is 4930 characters, number of terms is 8)

S-pol added.

947. Creating S-polynomial from the pair (p_3, p_{216}).

Forming S-pol of p_3 and p_{216}: Polynomial too big for output (text size is 11199 characters, number of terms is 16)

S-pol added.

948. Creating S-polynomial from the pair (p_3, p_{217}).

Forming S-pol of p_3 and p_{217}: Polynomial too big for output (text size is 2756 characters, number of terms is 8)

S-pol added.

949. Creating S-polynomial from the pair (p_3, p_{218}).

Forming S-pol of p_3 and p_{218}: Polynomial too big for output (text size is 3854 characters, number of terms is 8)

S-pol added.

950. Creating S-polynomial from the pair (p_3, p_{219}).

Forming S-pol of p_3 and p_{219}: Polynomial too big for output (text size is 10922 characters, number of terms is 16)

S-pol added.

951. Creating S-polynomial from the pair (p_3, p_{220}).

Forming S-pol of p_3 and p_{220}: Polynomial too big for output (text size is 11162 characters, number of terms is 16)

S-pol added.

952. Creating S-polynomial from the pair (p_3, p_{221}).

Forming S-pol of p_3 and p_{221}:

$$p_{1570} = (268435456u_5u_3^{45}u_1^{28} + 536870912u_3^{46}u_1^{29})x_5x_4^2+$$
$$(536870912u_5^2u_3^{44}u_1^{29} - 268435456u_5^2u_3^{44}u_1^{28} - 536870912u_5u_3^{45}u_1^{29}-$$
$$2147483648u_3^{44}u_1^{31} + 1073741824u_3^{44}u_1^{30})x_5x_4x_2-$$
$$268435456u_5^2u_3^{46}u_1^{28}x_5x_4+$$
$$(268435456u_5^3u_3^{45}u_1^{28} + 1073741824u_5^2u_3^{44}u_1^{30}-$$
$$536870912u_5^2u_3^{44}u_1^{29})x_5x_2+$$
$$(-268435456u_6u_5u_3^{44}u_1^{28} - 536870912u_6u_3^{45}u_1^{29})x_4^2x_2+$$
$$(-268435456u_6u_5u_3^{46}u_1^{28} + 536870912u_6u_5u_3^{44}u_1^{29}+$$
$$536870912u_6u_3^{45}u_1^{29})x_4^2 + 268435456u_6u_5^2u_3^{45}u_1^{28}x_4x_2-$$
$$268435456u_6u_5^2u_3^{45}u_1^{28}x_4$$

S-pol added.

953. Creating S-polynomial from the pair (p_3, p_{222}).

Forming S-pol of p_3 and p_{222}:

$$p_{1571} = (536870912u_5u_3^{50}u_1^{29} + 1073741824u_3^{51}u_1^{30})x_5x_4^2+$$
$$(1073741824u_5^2u_3^{49}u_1^{30} - 536870912u_5^2u_3^{49}u_1^{29} - 1073741824u_5u_3^{50}u_1^{30}-$$
$$4294967296u_3^{49}u_1^{32} + 2147483648u_3^{49}u_1^{31})x_5x_4x_2-$$
$$536870912u_5^2u_3^{51}u_1^{29}x_5x_4+$$
$$(536870912u_5^3u_3^{50}u_1^{29} + 2147483648u_5^2u_3^{49}u_1^{31}-$$
$$1073741824u_5^2u_3^{49}u_1^{30})x_5x_2+$$
$$(-536870912u_6u_5u_3^{49}u_1^{29} - 1073741824u_6u_3^{50}u_1^{30})x_4^2x_2+$$
$$(-536870912u_6u_5u_3^{51}u_1^{29} + 1073741824u_6u_5u_3^{49}u_1^{30}+$$
$$1073741824u_6u_3^{50}u_1^{30})x_4^2 + 536870912u_6u_5^2u_3^{50}u_1^{29}x_4x_2-$$
$$536870912u_6u_5^2u_3^{50}u_1^{29}x_4$$

S-pol added.

954. Creating S-polynomial from the pair (p_3, p_{223}).

Forming S-pol of p_3 and p_{223}: Polynomial too big for output (text size is 1498 characters, number of terms is 8)

S-pol added.

955. Creating S-polynomial from the pair (p_3, p_{224}).

Forming S-pol of p_3 and p_{224}: Polynomial too big for output (text size is 1490 characters, number of terms is 8)

S-pol added.

956. Creating S-polynomial from the pair (p_3, p_{225}).

Forming S-pol of p_3 and p_{225}:

$$p_{1572} = (-16777216u_6u_3^{43}u_1^{23} - 67108864u_6u_3^{41}u_1^{25} - 16777216u_3^{44}u_1^{24} - 67108864u_3^{42}u_1^{26})x_5x_4^2 + (33554432u_6u_3^{43}u_1^{24} + 134217728u_6u_3^{41}u_1^{26} + 67108864u_3^{42}u_1^{26} - 33554432u_3^{42}u_1^{25} + 268435456u_3^{40}u_1^{28} - 134217728u_3^{40}u_1^{27})x_5x_4x_2 + (-16777216u_6u_5^2u_3^{43}u_1^{23} - 67108864u_6u_5^2u_3^{41}u_1^{25} - 33554432u_5^2u_3^{42}u_1^{25} + 16777216u_5^2u_3^{42}u_1^{24} - 134217728u_5^2u_3^{40}u_1^{27} + 67108864u_5^2u_3^{40}u_1^{26})x_5x_2 + (-16777216u_6^2u_3^{42}u_1^{24} + 16777216u_6^2u_3^{42}u_1^{23} - 67108864u_6^2u_3^{40}u_1^{26} + 67108864u_6^2u_3^{40}u_1^{25})x_4^2x_2 + (16777216u_6^2u_3^{44}u_1^{23} + 67108864u_6^2u_3^{42}u_1^{25} - 16777216u_6^2u_3^{42}u_1^{24} - 67108864u_6^2u_3^{40}u_1^{26})x_4^2$$

S-pol added.

957. Creating S-polynomial from the pair (p_3, p_{226}).

Forming S-pol of p_3 and p_{226}:

$$p_{1573} = (-8388608u_6u_3^{42}u_1^{22} - 33554432u_6u_3^{40}u_1^{24} - 8388608u_3^{43}u_1^{23} - 33554432u_3^{41}u_1^{25})x_5x_4^2 + (16777216u_6u_3^{42}u_1^{23} + 67108864u_6u_3^{40}u_1^{25} + 33554432u_3^{41}u_1^{25} - 16777216u_3^{41}u_1^{24} + 134217728u_3^{39}u_1^{27} - 67108864u_3^{39}u_1^{26})x_5x_4x_2 + (-8388608u_6u_5^2u_3^{42}u_1^{22} - 33554432u_6u_5^2u_3^{40}u_1^{24} - 16777216u_5^2u_3^{41}u_1^{24} + 8388608u_5^2u_3^{41}u_1^{23} - 67108864u_5^2u_3^{39}u_1^{26} + 33554432u_5^2u_3^{39}u_1^{25})x_5x_2 + (-8388608u_6^2u_3^{41}u_1^{23} + 8388608u_6^2u_3^{41}u_1^{22} - 33554432u_6^2u_3^{39}u_1^{25} + 33554432u_6^2u_3^{39}u_1^{24})x_4^2x_2 + (8388608u_6^2u_3^{43}u_1^{22} + 33554432u_6^2u_3^{41}u_1^{24} - 8388608u_6^2u_3^{41}u_1^{23} - 33554432u_6^2u_3^{39}u_1^{25})x_4^2$$

S-pol added.

958. Creating S-polynomial from the pair (p_3, p_{227}).

Forming S-pol of p_3 and p_{227}:

$$p_{1574} = (268435456u_5u_3^{45}u_1^{28} + 536870912u_3^{46}u_1^{29})x_5x_4^2+$$
$$(536870912u_5^2u_3^{44}u_1^{29} - 268435456u_5^2u_3^{44}u_1^{28} - 536870912u_5u_3^{45}u_1^{29}-$$
$$2147483648u_3^{44}u_1^{31} + 1073741824u_3^{44}u_1^{30})x_5x_4x_2-$$
$$268435456u_5^2u_3^{46}u_1^{28}x_5x_4+$$
$$(268435456u_5^3u_3^{45}u_1^{28} + 1073741824u_5^2u_3^{44}u_1^{30}-$$
$$536870912u_5^2u_3^{44}u_1^{29})x_5x_2+$$
$$(-268435456u_6u_5u_3^{44}u_1^{28} - 536870912u_6u_3^{45}u_1^{29})x_4^2x_2+$$
$$(-268435456u_6u_5u_3^{46}u_1^{28} + 536870912u_6u_5u_3^{44}u_1^{29}+$$
$$536870912u_6u_3^{45}u_1^{29})x_4^2 + 268435456u_6u_5^2u_3^{45}u_1^{28}x_4x_2-$$
$$268435456u_6u_5^2u_3^{45}u_1^{28}x_4$$

S-pol added.

959. Creating S-polynomial from the pair (p_3, p_{228}).

Forming S-pol of p_3 and p_{228}:

$$p_{1575} = (134217728u_5u_3^{44}u_1^{27} + 268435456u_3^{45}u_1^{28})x_5x_4^2+$$
$$(268435456u_5^2u_3^{43}u_1^{28} - 134217728u_5^2u_3^{43}u_1^{27} - 268435456u_5u_3^{44}u_1^{28}-$$
$$1073741824u_3^{43}u_1^{30} + 536870912u_3^{43}u_1^{29})x_5x_4x_2-$$
$$134217728u_5^2u_3^{45}u_1^{27}x_5x_4+$$
$$(134217728u_5^3u_3^{44}u_1^{27} + 536870912u_5^2u_3^{43}u_1^{29}-$$
$$268435456u_5^2u_3^{43}u_1^{28})x_5x_2+$$
$$(-134217728u_6u_5u_3^{43}u_1^{27} - 268435456u_6u_3^{44}u_1^{28})x_4^2x_2+$$
$$(-134217728u_6u_5u_3^{45}u_1^{27} + 268435456u_6u_5u_3^{43}u_1^{28}+$$
$$268435456u_6u_3^{44}u_1^{28})x_4^2 + 134217728u_6u_5^2u_3^{44}u_1^{27}x_4x_2-$$
$$134217728u_6u_5^2u_3^{44}u_1^{27}x_4$$

S-pol added.

960. Creating S-polynomial from the pair (p_3, p_{229}).

Forming S-pol of p_3 and p_{229}: Polynomial too big for output (text size is 5526 characters, number of terms is 9)

S-pol added.

961. Creating S-polynomial from the pair (p_3, p_{230}).

Forming S-pol of p_3 and p_{230}: Polynomial too big for output (text size is 3090 characters, number of terms is 8)

S-pol added.

962. Creating S-polynomial from the pair (p_3, p_{231}).

Forming S-pol of p_3 and p_{231}: Polynomial too big for output (text size is 5899 characters, number of terms is 9)

S-pol added.

963. Creating S-polynomial from the pair (p_3, p_{232}).

Forming S-pol of p_3 and p_{232}: Polynomial too big for output (text size is 1651 characters, number of terms is 8)

S-pol added.

964. Creating S-polynomial from the pair (p_3, p_{233}).

Forming S-pol of p_3 and p_{233}: Polynomial too big for output (text size is 2314 characters, number of terms is 8)

S-pol added.

965. Creating S-polynomial from the pair (p_3, p_{234}).

Forming S-pol of p_3 and p_{234}: Polynomial too big for output (text size is 5502 characters, number of terms is 9)

S-pol added.

966. Creating S-polynomial from the pair (p_3, p_{235}).

Forming S-pol of p_3 and p_{235}: Polynomial too big for output (text size is 5877 characters, number of terms is 9)

S-pol added.

967. Creating S-polynomial from the pair (p_3, p_{236}).

Forming S-pol of p_3 and p_{236}:

$$p_{1576} = (8388608u_6u_3^{37}u_1^{22} + 8388608u_3^{38}u_1^{23})x_5x_4^2+$$
$$(-16777216u_6u_3^{37}u_1^{23} - 33554432u_3^{36}u_1^{25} + 16777216u_3^{36}u_1^{24})x_5x_4x_2+$$
$$(8388608u_6u_5^2u_3^{37}u_1^{22} + 16777216u_5^2u_3^{36}u_1^{24}-$$
$$8388608u_5^2u_3^{36}u_1^{23})x_5x_2+$$
$$(8388608u_6^2u_3^{36}u_1^{23} - 8388608u_6^2u_3^{36}u_1^{22})x_4^2x_2+$$
$$(-8388608u_6^2u_3^{38}u_1^{22} + 8388608u_6^2u_3^{36}u_1^{23})x_4^2$$

S-pol added.

968. Creating S-polynomial from the pair (p_3, p_{237}).

Forming S-pol of p_3 and p_{237}:

$$p_{1577} = (4194304u_6u_3^{36}u_1^{21} + 4194304u_3^{37}u_1^{22})x_5x_4^2+$$
$$(-8388608u_6u_3^{36}u_1^{22} - 16777216u_3^{35}u_1^{24} + 8388608u_3^{35}u_1^{23})x_5x_4x_2+$$
$$(4194304u_6u_5^2u_3^{36}u_1^{21} + 8388608u_5^2u_3^{35}u_1^{23}-$$
$$4194304u_5^2u_3^{35}u_1^{22})x_5x_2+$$
$$(4194304u_6^2u_3^{35}u_1^{22} - 4194304u_6^2u_3^{35}u_1^{21})x_4^2x_2+$$
$$(-4194304u_6^2u_3^{37}u_1^{21} + 4194304u_6^2u_3^{35}u_1^{22})x_4^2$$

S-pol added.

969. Creating S-polynomial from the pair (p_3, p_{238}).

Forming S-pol of p_3 and p_{238}: Polynomial too big for output (text size is 1518 characters, number of terms is 8)

S-pol added.

970. Creating S-polynomial from the pair (p_3, p_{239}).

Forming S-pol of p_3 and p_{239}: Polynomial too big for output (text size is 1509 characters, number of terms is 8)

S-pol added.

971. Creating S-polynomial from the pair (p_3, p_{240}).

Forming S-pol of p_3 and p_{240}: Polynomial too big for output (text size is 4930 characters, number of terms is 8)

S-pol added.

972. Creating S-polynomial from the pair (p_3, p_{241}).

Forming S-pol of p_3 and p_{241}: Polynomial too big for output (text size is 11199 characters, number of terms is 16)

S-pol added.

973. Creating S-polynomial from the pair (p_3, p_{242}).

Forming S-pol of p_3 and p_{242}: Polynomial too big for output (text size is 11199 characters, number of terms is 16)

S-pol added.

974. Creating S-polynomial from the pair (p_3, p_{243}).

Forming S-pol of p_3 and p_{243}: Polynomial too big for output (text size is 11162 characters, number of terms is 16)

S-pol added.

975. Creating S-polynomial from the pair (p_3, p_{244}).

Forming S-pol of p_3 and p_{244}: Polynomial too big for output (text size is 2756 characters, number of terms is 8)

S-pol added.

976. Creating S-polynomial from the pair (p_3, p_{245}).

Forming S-pol of p_3 and p_{245}: Polynomial too big for output (text size is 3854 characters, number of terms is 8)

S-pol added.

977. Creating S-polynomial from the pair (p_3, p_{246}).

Forming S-pol of p_3 and p_{246}: Polynomial too big for output (text size is 11162 characters, number of terms is 16)

S-pol added.

978. Creating S-polynomial from the pair (p_3, p_{247}).

Forming S-pol of p_3 and p_{247}:

$$p_{1578} = (268435456u_5u_2^{45}u_1^{28} + 536870912u_2^{46}u_1^{29})x_5x_4^2+$$
$$(536870912u_5^2u_2^{44}u_1^{29} - 268435456u_5^2u_2^{44}u_1^{28} - 536870912u_5u_2^{45}u_1^{29}-$$
$$2147483648u_2^{44}u_1^{31} + 1073741824u_2^{44}u_1^{30})x_5x_4x_1-$$
$$268435456u_5^2u_2^{46}u_1^{28}x_5x_4+$$
$$(268435456u_5^3u_2^{45}u_1^{28} + 1073741824u_5^2u_2^{44}u_1^{30}-$$
$$536870912u_5^2u_2^{44}u_1^{29})x_5x_1+$$
$$(-268435456u_6u_5u_2^{44}u_1^{28} - 536870912u_6u_2^{45}u_1^{29})x_4^2x_1+$$
$$(-268435456u_6u_5u_2^{46}u_1^{28} + 536870912u_6u_5u_2^{44}u_1^{29}+$$
$$536870912u_6u_2^{45}u_1^{29})x_4^2 + 268435456u_6u_5^2u_2^{45}u_1^{28}x_4x_1-$$
$$268435456u_6u_5^2u_2^{45}u_1^{28}x_4$$

S-pol added.

979. Creating S-polynomial from the pair (p_3, p_{248}).

Forming S-pol of p_3 and p_{248}:

$$p_{1579} = (536870912u_5u_2^{50}u_1^{29} + 1073741824u_2^{51}u_1^{30})x_5x_4^2+$$
$$(1073741824u_5^2u_2^{49}u_1^{30} - 536870912u_5^2u_2^{49}u_1^{29} - 1073741824u_5u_2^{50}u_1^{30}-$$
$$4294967296u_2^{49}u_1^{32} + 2147483648u_2^{49}u_1^{31})x_5x_4x_1-$$
$$536870912u_5^2u_2^{51}u_1^{29}x_5x_4+$$
$$(536870912u_5^3u_2^{50}u_1^{29} + 2147483648u_5^2u_2^{49}u_1^{31}-$$
$$1073741824u_5^2u_2^{49}u_1^{30})x_5x_1+$$
$$(-536870912u_6u_5u_2^{49}u_1^{29} - 1073741824u_6u_2^{50}u_1^{30})x_4^2x_1+$$
$$(-536870912u_6u_5u_2^{51}u_1^{29} + 1073741824u_6u_5u_2^{49}u_1^{30}+$$
$$1073741824u_6u_2^{50}u_1^{30})x_4^2 + 536870912u_6u_5^2u_2^{50}u_1^{29}x_4x_1-$$
$$536870912u_6u_5^2u_2^{50}u_1^{29}x_4$$

S-pol added.

980. Creating S-polynomial from the pair (p_3, p_{249}).

Forming S-pol of p_3 and p_{249}: Polynomial too big for output (text size is 1498 characters, number of terms is 8)

S-pol added.

981. Creating S-polynomial from the pair (p_3, p_{250}).

Forming S-pol of p_3 and p_{250}: Polynomial too big for output (text size is 1490 characters, number of terms is 8)

S-pol added.

982. Creating S-polynomial from the pair (p_3, p_{251}).

Forming S-pol of p_3 and p_{251}:

$$p_{1580} = (-16777216u_6u_2^{43}u_1^{23} - 67108864u_6u_2^{41}u_1^{25} - 16777216u_2^{44}u_1^{24} - 67108864u_2^{42}u_1^{26})x_5x_4^2 + (33554432u_6u_2^{43}u_1^{24} + 134217728u_6u_2^{41}u_1^{26} + 67108864u_2^{42}u_1^{26} - 33554432u_2^{42}u_1^{25} + 268435456u_2^{40}u_1^{28} - 134217728u_2^{40}u_1^{27})x_5x_4x_1 + (-16777216u_6u_5^2u_2^{43}u_1^{23} - 67108864u_6u_5^2u_2^{41}u_1^{25} - 33554432u_5^2u_2^{42}u_1^{25} + 16777216u_5^2u_2^{42}u_1^{24} - 134217728u_5^2u_2^{40}u_1^{27} + 67108864u_5^2u_2^{40}u_1^{26})x_5x_1 + (-16777216u_6^2u_2^{42}u_1^{24} + 16777216u_6^2u_2^{42}u_1^{23} - 67108864u_6^2u_2^{40}u_1^{26} + 67108864u_6^2u_2^{40}u_1^{25})x_4^2x_1 + (16777216u_6^2u_2^{44}u_1^{23} + 67108864u_6^2u_2^{42}u_1^{25} - 16777216u_6^2u_2^{42}u_1^{24} - 67108864u_6^2u_2^{40}u_1^{26})x_4^2$$

S-pol added.

983. Creating S-polynomial from the pair (p_3, p_{252}).

Forming S-pol of p_3 and p_{252}:

$$p_{1581} = (-8388608u_6u_2^{42}u_1^{22} - 33554432u_6u_2^{40}u_1^{24} - 8388608u_2^{43}u_1^{23} - 33554432u_2^{41}u_1^{25})x_5x_4^2 + (16777216u_6u_2^{42}u_1^{23} + 67108864u_6u_2^{40}u_1^{25} + 33554432u_2^{41}u_1^{25} - 16777216u_2^{41}u_1^{24} + 134217728u_2^{39}u_1^{27} - 67108864u_2^{39}u_1^{26})x_5x_4x_1 + (-8388608u_6u_5^2u_2^{42}u_1^{22} - 33554432u_6u_5^2u_2^{40}u_1^{24} - 16777216u_5^2u_2^{41}u_1^{24} + 8388608u_5^2u_2^{41}u_1^{23} - 67108864u_5^2u_2^{39}u_1^{26} + 33554432u_5^2u_2^{39}u_1^{25})x_5x_1 + (-8388608u_6^2u_2^{41}u_1^{23} + 8388608u_6^2u_2^{41}u_1^{22} - 33554432u_6^2u_2^{39}u_1^{25} + 33554432u_6^2u_2^{39}u_1^{24})x_4^2x_1 + (8388608u_6^2u_2^{43}u_1^{22} + 33554432u_6^2u_2^{41}u_1^{24} - 8388608u_6^2u_2^{41}u_1^{23} - 33554432u_6^2u_2^{39}u_1^{25})x_4^2$$

S-pol added.

984. Creating S-polynomial from the pair (p_3, p_{253}).

Forming S-pol of p_3 and p_{253}:

$$p_{1582} = (268435456u_5u_2^{45}u_1^{28} + 536870912u_2^{46}u_1^{29})x_5x_4^2+$$
$$(536870912u_5^2u_2^{44}u_1^{29} - 268435456u_5^2u_2^{44}u_1^{28} - 536870912u_5u_2^{45}u_1^{29}-$$
$$2147483648u_2^{44}u_1^{31} + 1073741824u_2^{44}u_1^{30})x_5x_4x_1-$$
$$268435456u_5^2u_2^{46}u_1^{28}x_5x_4+$$
$$(268435456u_5^3u_2^{45}u_1^{28} + 1073741824u_5^2u_2^{44}u_1^{30}-$$
$$536870912u_5^2u_2^{44}u_1^{29})x_5x_1+$$
$$(-268435456u_6u_5u_2^{44}u_1^{28} - 536870912u_6u_2^{45}u_1^{29})x_4^2x_1+$$
$$(-268435456u_6u_5u_2^{46}u_1^{28} + 536870912u_6u_5u_2^{44}u_1^{29}+$$
$$536870912u_6u_2^{45}u_1^{29})x_4^2 + 268435456u_6u_5^2u_2^{45}u_1^{28}x_4x_1-$$
$$268435456u_6u_5^2u_2^{45}u_1^{28}x_4$$

S-pol added.

985. Creating S-polynomial from the pair (p_3, p_{254}).

Forming S-pol of p_3 and p_{254}:

$$p_{1583} = (134217728u_5u_2^{44}u_1^{27} + 268435456u_2^{45}u_1^{28})x_5x_4^2+$$
$$(268435456u_5^2u_2^{43}u_1^{28} - 134217728u_5^2u_2^{43}u_1^{27} - 268435456u_5u_2^{44}u_1^{28}-$$
$$1073741824u_2^{43}u_1^{30} + 536870912u_2^{43}u_1^{29})x_5x_4x_1-$$
$$134217728u_5^2u_2^{45}u_1^{27}x_5x_4+$$
$$(134217728u_5^3u_2^{44}u_1^{27} + 536870912u_5^2u_2^{43}u_1^{29}-$$
$$268435456u_5^2u_2^{43}u_1^{28})x_5x_1+$$
$$(-134217728u_6u_5u_2^{43}u_1^{27} - 268435456u_6u_2^{44}u_1^{28})x_4^2x_1+$$
$$(-134217728u_6u_5u_2^{45}u_1^{27} + 268435456u_6u_5u_2^{43}u_1^{28}+$$
$$268435456u_6u_2^{44}u_1^{28})x_4^2 + 134217728u_6u_5^2u_2^{44}u_1^{27}x_4x_1-$$
$$134217728u_6u_5^2u_2^{44}u_1^{27}x_4$$

S-pol added.

986. Creating S-polynomial from the pair (p_3, p_{255}).

Forming S-pol of p_3 and p_{255}: Polynomial too big for output (text size is 3090 characters, number of terms is 8)

S-pol added.

987. Creating S-polynomial from the pair (p_3, p_{256}).

Forming S-pol of p_3 and p_{256}: Polynomial too big for output (text size is 5899 characters, number of terms is 9)

S-pol added.

988. Creating S-polynomial from the pair (p_3, p_{257}).

Forming S-pol of p_3 and p_{257}: Polynomial too big for output (text size is 5899 characters, number of terms is 9)

S-pol added.

989. Creating S-polynomial from the pair (p_3, p_{258}).

Forming S-pol of p_3 and p_{258}: Polynomial too big for output (text size is 5877 characters, number of terms is 9)

S-pol added.

990. Creating S-polynomial from the pair (p_3, p_{259}).

Forming S-pol of p_3 and p_{259}: Polynomial too big for output (text size is 1651 characters, number of terms is 8)

S-pol added.

991. Creating S-polynomial from the pair (p_3, p_{260}).

Forming S-pol of p_3 and p_{260}: Polynomial too big for output (text size is 2314 characters, number of terms is 8)

S-pol added.

992. Creating S-polynomial from the pair (p_3, p_{261}).

Forming S-pol of p_3 and p_{261}: Polynomial too big for output (text size is 5877 characters, number of terms is 9)

S-pol added.

993. Creating S-polynomial from the pair (p_3, p_{262}).

Forming S-pol of p_3 and p_{262}:

$$p_{1584} = (8388608u_6u_2^{37}u_1^{22} + 8388608u_2^{38}u_1^{23})x_5x_4^2+$$
$$(-16777216u_6u_2^{37}u_1^{23} - 33554432u_2^{36}u_1^{25} + 16777216u_2^{36}u_1^{24})x_5x_4x_1+$$
$$(8388608u_6u_5^2u_2^{37}u_1^{22} + 16777216u_5^2u_2^{36}u_1^{24}-$$
$$8388608u_5^2u_2^{36}u_1^{23})x_5x_1+$$
$$(8388608u_6^2u_2^{36}u_1^{23} - 8388608u_6^2u_2^{36}u_1^{22})x_4^2x_1+$$
$$(-8388608u_6^2u_2^{38}u_1^{22} + 8388608u_6^2u_2^{36}u_1^{23})x_4^2$$

S-pol added.

994. Creating S-polynomial from the pair (p_3, p_{263}).

Forming S-pol of p_3 and p_{263}:

$$p_{1585} = (4194304u_6u_2^{36}u_1^{21} + 4194304u_2^{37}u_1^{22})x_5x_4^2+$$
$$(-8388608u_6u_2^{36}u_1^{22} - 16777216u_2^{35}u_1^{24} + 8388608u_2^{35}u_1^{23})x_5x_4x_1+$$
$$(4194304u_6u_5^2u_2^{36}u_1^{21} + 8388608u_5^2u_2^{35}u_1^{23}-$$
$$4194304u_5^2u_2^{35}u_1^{22})x_5x_1+$$
$$(4194304u_6^2u_2^{35}u_1^{22} - 4194304u_6^2u_2^{35}u_1^{21})x_4^2x_1+$$
$$(-4194304u_6^2u_2^{37}u_1^{21} + 4194304u_6^2u_2^{35}u_1^{22})x_4^2$$

S-pol added.

995. Creating S-polynomial from the pair (p_3, p_{264}).

Forming S-pol of p_3 and p_{264}: Polynomial too big for output (text size is 1518 characters, number of terms is 8)

S-pol added.

996. Creating S-polynomial from the pair (p_3, p_{265}).

Forming S-pol of p_3 and p_{265}: Polynomial too big for output (text size is 1509 characters, number of terms is 8)

S-pol added.

997. Creating S-polynomial from the pair (p_3, p_{266}).

Forming S-pol of p_3 and p_{266}: Polynomial too big for output (text size is 10973 characters, number of terms is 16)

S-pol added.

998. Creating S-polynomial from the pair (p_3, p_{267}).

Forming S-pol of p_3 and p_{267}: Polynomial too big for output (text size is 10973 characters, number of terms is 16)

S-pol added.

999. Creating S-polynomial from the pair (p_3, p_{268}).

Forming S-pol of p_3 and p_{268}: Polynomial too big for output (text size is 4930 characters, number of terms is 8)

S-pol added.

1000. Creating S-polynomial from the pair (p_3, p_{269}).

Forming S-pol of p_3 and p_{269}: Polynomial too big for output (text size is 10922 characters, number of terms is 16)

S-pol added.

1001. Creating S-polynomial from the pair (p_3, p_{270}).

Forming S-pol of p_3 and p_{270}: Polynomial too big for output (text size is 10922 characters, number of terms is 16)

S-pol added.

1002. Creating S-polynomial from the pair (p_3, p_{271}).

Forming S-pol of p_3 and p_{271}: Polynomial too big for output (text size is 2756 characters, number of terms is 8)

S-pol added.

1003. Creating S-polynomial from the pair (p_3, p_{272}).

Forming S-pol of p_3 and p_{272}: Polynomial too big for output (text size is 3854 characters, number of terms is 8)

S-pol added.

1004. Creating S-polynomial from the pair (p_3, p_{273}).

Forming S-pol of p_3 and p_{273}:

$$p_{1586} = (268435456u_5u_4^{45}u_1^{28} + 536870912u_4^{46}u_1^{29})x_5x_4^2+$$
$$(536870912u_5^2u_4^{44}u_1^{29} - 268435456u_5^2u_4^{44}u_1^{28} - 536870912u_5u_4^{45}u_1^{29}-$$
$$2147483648u_4^{44}u_1^{31} + 1073741824u_4^{44}u_1^{30})x_5x_4x_3-$$
$$268435456u_5^2u_4^{46}u_1^{28}x_5x_4+$$
$$(268435456u_5^3u_4^{45}u_1^{28} + 1073741824u_5^2u_4^{44}u_1^{30}-$$
$$536870912u_5^2u_4^{44}u_1^{29})x_5x_3+$$
$$(-268435456u_6u_5u_4^{44}u_1^{28} - 536870912u_6u_4^{45}u_1^{29})x_4^2x_3+$$
$$(-268435456u_6u_5u_4^{46}u_1^{28} + 536870912u_6u_5u_4^{44}u_1^{29}+$$
$$536870912u_6u_4^{45}u_1^{29})x_4^2 + 268435456u_6u_5^2u_4^{45}u_1^{28}x_4x_3-$$
$$268435456u_6u_5^2u_4^{45}u_1^{28}x_4$$

S-pol added.

1005. Creating S-polynomial from the pair (p_3, p_{274}).

Forming S-pol of p_3 and p_{274}:

$$p_{1587} = (536870912u_5u_4^{50}u_1^{29} + 1073741824u_4^{51}u_1^{30})x_5x_4^2+$$
$$(1073741824u_5^2u_4^{49}u_1^{30} - 536870912u_5^2u_4^{49}u_1^{29} - 1073741824u_5u_4^{50}u_1^{30}-$$
$$4294967296u_4^{49}u_1^{32} + 2147483648u_4^{49}u_1^{31})x_5x_4x_3-$$
$$536870912u_5^2u_4^{51}u_1^{29}x_5x_4+$$
$$(536870912u_5^3u_4^{50}u_1^{29} + 2147483648u_5^2u_4^{49}u_1^{31}-$$
$$1073741824u_5^2u_4^{49}u_1^{30})x_5x_3+$$
$$(-536870912u_6u_5u_4^{49}u_1^{29} - 1073741824u_6u_4^{50}u_1^{30})x_4^2x_3+$$
$$(-536870912u_6u_5u_4^{51}u_1^{29} + 1073741824u_6u_5u_4^{49}u_1^{30}+$$
$$1073741824u_6u_4^{50}u_1^{30})x_4^2 + 536870912u_6u_5^2u_4^{50}u_1^{29}x_4x_3-$$
$$536870912u_6u_5^2u_4^{50}u_1^{29}x_4$$

S-pol added.

1006. Creating S-polynomial from the pair (p_3, p_{275}).

Forming S-pol of p_3 and p_{275}: Polynomial too big for output (text size is 1498 characters, number of terms is 8)

S-pol added.

1007. Creating S-polynomial from the pair (p_3, p_{276}).

Forming S-pol of p_3 and p_{276}: Polynomial too big for output (text size is 1490 characters, number of terms is 8)

S-pol added.

1008. Creating S-polynomial from the pair (p_3, p_{277}).

Forming S-pol of p_3 and p_{277}:

$$p_{1588} = (-16777216u_6u_4^{43}u_1^{23} - 67108864u_6u_4^{41}u_1^{25} - 16777216u_4^{44}u_1^{24} - 67108864u_4^{42}u_1^{26})x_5x_4^2 + (33554432u_6u_4^{43}u_1^{24} + 134217728u_6u_4^{41}u_1^{26} + 67108864u_4^{42}u_1^{26} - 33554432u_4^{42}u_1^{25} + 268435456u_4^{40}u_1^{28} - 134217728u_4^{40}u_1^{27})x_5x_4x_3 + (-16777216u_6u_5^2u_4^{43}u_1^{23} - 67108864u_6u_5^2u_4^{41}u_1^{25} - 33554432u_5^2u_4^{42}u_1^{25} + 16777216u_5^2u_4^{42}u_1^{24} - 134217728u_5^2u_4^{40}u_1^{27} + 67108864u_5^2u_4^{40}u_1^{26})x_5x_3 + (-16777216u_6^2u_4^{42}u_1^{24} + 16777216u_6^2u_4^{42}u_1^{23} - 67108864u_6^2u_4^{40}u_1^{26} + 67108864u_6^2u_4^{40}u_1^{25})x_4^2x_3 + (16777216u_6^2u_4^{44}u_1^{23} + 67108864u_6^2u_4^{42}u_1^{25} - 16777216u_6^2u_4^{42}u_1^{24} - 67108864u_6^2u_4^{40}u_1^{26})x_4^2$$

S-pol added.

1009. Creating S-polynomial from the pair (p_3, p_{278}).

Forming S-pol of p_3 and p_{278}:

$$p_{1589} = (-8388608u_6u_4^{42}u_1^{22} - 33554432u_6u_4^{40}u_1^{24} - 8388608u_4^{43}u_1^{23} - 33554432u_4^{41}u_1^{25})x_5x_4^2 + (16777216u_6u_4^{42}u_1^{23} + 67108864u_6u_4^{40}u_1^{25} + 33554432u_4^{41}u_1^{25} - 16777216u_4^{41}u_1^{24} + 134217728u_4^{39}u_1^{27} - 67108864u_4^{39}u_1^{26})x_5x_4x_3 + (-8388608u_6u_5^2u_4^{42}u_1^{22} - 33554432u_6u_5^2u_4^{40}u_1^{24} - 16777216u_5^2u_4^{41}u_1^{24} + 8388608u_5^2u_4^{41}u_1^{23} - 67108864u_5^2u_4^{39}u_1^{26} + 33554432u_5^2u_4^{39}u_1^{25})x_5x_3 + (-8388608u_6^2u_4^{41}u_1^{23} + 8388608u_6^2u_4^{41}u_1^{22} - 33554432u_6^2u_4^{39}u_1^{25} + 33554432u_6^2u_4^{39}u_1^{24})x_4^2x_3 + (8388608u_6^2u_4^{43}u_1^{22} + 33554432u_6^2u_4^{41}u_1^{24} - 8388608u_6^2u_4^{41}u_1^{23} - 33554432u_6^2u_4^{39}u_1^{25})x_4^2$$

S-pol added.

1010. Creating S-polynomial from the pair (p_3, p_{279}).

Forming S-pol of p_3 and p_{279}:

$$p_{1590} = (268435456u_5u_4^{45}u_1^{28} + 536870912u_4^{46}u_1^{29})x_5x_4^2+$$
$$(536870912u_5^2u_4^{44}u_1^{29} - 268435456u_5^2u_4^{44}u_1^{28} - 536870912u_5u_4^{45}u_1^{29}-$$
$$2147483648u_4^{44}u_1^{31} + 1073741824u_4^{44}u_1^{30})x_5x_4x_3-$$
$$268435456u_5^2u_4^{46}u_1^{28}x_5x_4+$$
$$(268435456u_5^3u_4^{45}u_1^{28} + 1073741824u_5^2u_4^{44}u_1^{30}-$$
$$536870912u_5^2u_4^{44}u_1^{29})x_5x_3+$$
$$(-268435456u_6u_5u_4^{44}u_1^{28} - 536870912u_6u_4^{45}u_1^{29})x_4^2x_3+$$
$$(-268435456u_6u_5u_4^{46}u_1^{28} + 536870912u_6u_5u_4^{44}u_1^{29}+$$
$$536870912u_6u_4^{45}u_1^{29})x_4^2 + 268435456u_6u_5^2u_4^{45}u_1^{28}x_4x_3-$$
$$268435456u_6u_5^2u_4^{45}u_1^{28}x_4$$

S-pol added.

1011. Creating S-polynomial from the pair (p_3, p_{280}).

Forming S-pol of p_3 and p_{280}:

$$p_{1591} = (134217728u_5u_4^{44}u_1^{27} + 268435456u_4^{45}u_1^{28})x_5x_4^2+$$
$$(268435456u_5^2u_4^{43}u_1^{28} - 134217728u_5^2u_4^{43}u_1^{27} - 268435456u_5u_4^{44}u_1^{28}-$$
$$1073741824u_4^{43}u_1^{30} + 536870912u_4^{43}u_1^{29})x_5x_4x_3-$$
$$134217728u_5^2u_4^{45}u_1^{27}x_5x_4+$$
$$(134217728u_5^3u_4^{44}u_1^{27} + 536870912u_5^2u_4^{43}u_1^{29}-$$
$$268435456u_5^2u_4^{43}u_1^{28})x_5x_3+$$
$$(-134217728u_6u_5u_4^{43}u_1^{27} - 268435456u_6u_4^{44}u_1^{28})x_4^2x_3+$$
$$(-134217728u_6u_5u_4^{45}u_1^{27} + 268435456u_6u_5u_4^{43}u_1^{28}+$$
$$268435456u_6u_4^{44}u_1^{28})x_4^2 + 134217728u_6u_5^2u_4^{44}u_1^{27}x_4x_3-$$
$$134217728u_6u_5^2u_4^{44}u_1^{27}x_4$$

S-pol added.

1012. Creating S-polynomial from the pair (p_3, p_{281}).

Forming S-pol of p_3 and p_{281}: Polynomial too big for output (text size is 5526 characters, number of terms is 9)

S-pol added.

1013. Creating S-polynomial from the pair (p_3, p_{282}).

Forming S-pol of p_3 and p_{282}: Polynomial too big for output (text size is 5526 characters, number of terms is 9)

S-pol added.

1014. Creating S-polynomial from the pair (p_3, p_{283}).

Forming S-pol of p_3 and p_{283}: Polynomial too big for output (text size is 3090 characters, number of terms is 8)

S-pol added.

1015. Creating S-polynomial from the pair (p_3, p_{284}).

Forming S-pol of p_3 and p_{284}: Polynomial too big for output (text size is 5502 characters, number of terms is 9)

S-pol added.

1016. Creating S-polynomial from the pair (p_3, p_{285}).

Forming S-pol of p_3 and p_{285}: Polynomial too big for output (text size is 5502 characters, number of terms is 9)

S-pol added.

1017. Creating S-polynomial from the pair (p_3, p_{286}).

Forming S-pol of p_3 and p_{286}: Polynomial too big for output (text size is 1651 characters, number of terms is 8)

S-pol added.

1018. Creating S-polynomial from the pair (p_3, p_{287}).

Forming S-pol of p_3 and p_{287}: Polynomial too big for output (text size is 2314 characters, number of terms is 8)

S-pol added.

1019. Creating S-polynomial from the pair (p_3, p_{288}).

Forming S-pol of p_3 and p_{288}:

$$p_{1592} = (8388608u_6u_4^{37}u_1^{22} + 8388608u_4^{38}u_1^{23})x_5x_4^2+$$
$$(-16777216u_6u_4^{37}u_1^{23} - 33554432u_4^{36}u_1^{25} + 16777216u_4^{36}u_1^{24})x_5x_4x_3+$$
$$(8388608u_6u_5^2u_4^{37}u_1^{22} + 16777216u_5^2u_4^{36}u_1^{24}-$$
$$8388608u_5^2u_4^{36}u_1^{23})x_5x_3+$$
$$(8388608u_6^2u_4^{36}u_1^{23} - 8388608u_6^2u_4^{36}u_1^{22})x_4^2x_3+$$
$$(-8388608u_6^2u_4^{38}u_1^{22} + 8388608u_6^2u_4^{36}u_1^{23})x_4^2$$

S-pol added.

1020. Creating S-polynomial from the pair (p_3, p_{289}).

Forming S-pol of p_3 and p_{289}:

$$p_{1593} = (4194304u_6u_4^{36}u_1^{21} + 4194304u_4^{37}u_1^{22})x_5x_4^2+$$
$$(-8388608u_6u_4^{36}u_1^{22} - 16777216u_4^{35}u_1^{24} + 8388608u_4^{35}u_1^{23})x_5x_4x_3+$$
$$(4194304u_6u_5^2u_4^{36}u_1^{21} + 8388608u_5^2u_4^{35}u_1^{23}-$$
$$4194304u_5^2u_4^{35}u_1^{22})x_5x_3+$$
$$(4194304u_6^2u_4^{35}u_1^{22} - 4194304u_6^2u_4^{35}u_1^{21})x_4^2x_3+$$
$$(-4194304u_6^2u_4^{37}u_1^{21} + 4194304u_6^2u_4^{35}u_1^{22})x_4^2$$

S-pol added.

1021. Creating S-polynomial from the pair (p_3, p_{290}).

Forming S-pol of p_3 and p_{290}:

$$p_{1594} = -8388608u_5u_2^{35}u_1^{23}x_5x_4^2+$$
$$(33554432u_5u_2^{33}u_1^{25} - 16777216u_5u_2^{33}u_1^{24})x_5x_4x_1+$$
$$(-16777216u_5^3u_2^{33}u_1^{24} + 8388608u_5^3u_2^{33}u_1^{23})x_5x_1+$$
$$8388608u_6u_5u_2^{34}u_1^{23}x_4^2x_1 - 8388608u_6u_5u_2^{34}u_1^{23}x_4^2$$

Reduced to zero.

1022. Creating S-polynomial from the pair (p_3, p_{291}).

Forming S-pol of p_3 and p_{291}:

$$p_{1595} = -4194304u_5u_2^{34}u_1^{22}x_5x_4^2+$$
$$(16777216u_5u_2^{32}u_1^{24} - 8388608u_5u_2^{32}u_1^{23})x_5x_4x_1+$$
$$(-8388608u_5^3u_2^{32}u_1^{23} + 4194304u_5^3u_2^{32}u_1^{22})x_5x_1+$$
$$4194304u_6u_5u_2^{33}u_1^{22}x_4^2x_1 - 4194304u_6u_5u_2^{33}u_1^{22}x_4^2$$

Reduced to zero.

1023. Creating S-polynomial from the pair (p_3, p_{292}).

Forming S-pol of p_3 and p_{292}:

$$p_{1596} = (70368744177664u_5^2u_2^{75}u_1^{46} + 140737488355328u_5u_2^{76}u_1^{47})x_5x_4^2+$$
$$(140737488355328u_5^3u_2^{74}u_1^{47} - 70368744177664u_5^3u_2^{74}u_1^{46}-$$
$$140737488355328u_5^2u_2^{75}u_1^{47} - 562949953421312u_5u_2^{74}u_1^{49}+$$
$$281474976710656u_5u_2^{74}u_1^{48})x_5x_4x_1 - 70368744177664u_5^3u_2^{76}u_1^{46}x_5x_4+$$
$$(70368744177664u_5^4u_2^{75}u_1^{46} + 281474976710656u_5^3u_2^{74}u_1^{48}-$$
$$140737488355328u_5^3u_2^{74}u_1^{47})x_5x_1+$$
$$(-70368744177664u_6u_5^2u_2^{74}u_1^{46} - 140737488355328u_6u_5u_2^{75}u_1^{47})x_4^2x_1+$$
$$(-70368744177664u_6u_5^2u_2^{76}u_1^{46} + 140737488355328u_6u_5^2u_2^{74}u_1^{47}+$$
$$140737488355328u_6u_5u_2^{75}u_1^{47})x_4^2 + 70368744177664u_6u_5^3u_2^{75}u_1^{46}x_4x_1-$$
$$70368744177664u_6u_5^3u_2^{75}u_1^{46}x_4$$

S-pol added.

1024. Creating S-polynomial from the pair (p_3, p_{293}).

Forming S-pol of p_3 and p_{293}:

$$p_{1597} = (35184372088832u_5^2u_2^{74}u_1^{45} + 70368744177664u_5u_2^{75}u_1^{46})x_5x_4^2+$$
$$(70368744177664u_5^3u_2^{73}u_1^{46} - 35184372088832u_5^3u_2^{73}u_1^{45}-$$
$$70368744177664u_5^2u_2^{74}u_1^{46} - 281474976710656u_5u_2^{73}u_1^{48}+$$

$$140737488355328u_5u_2^{73}u_1^{47})x_5x_4x_1 - 35184372088832u_5^3u_2^{75}u_1^{45}x_5x_4+$$
$$(35184372088832u_5^4u_2^{74}u_1^{45} + 140737488355328u_5^3u_2^{73}u_1^{47}-$$
$$70368744177664u_5^3u_2^{73}u_1^{46})x_5x_1+$$
$$(-35184372088832u_6u_5^2u_2^{73}u_1^{45} - 70368744177664u_6u_5u_2^{74}u_1^{46})x_4^2x_1+$$
$$(-35184372088832u_6u_5^2u_2^{75}u_1^{45} + 70368744177664u_6u_5^2u_2^{73}u_1^{46}+$$
$$70368744177664u_6u_5u_2^{74}u_1^{46})x_4^2 + 35184372088832u_6u_5^3u_2^{74}u_1^{45}x_4x_1-$$
$$35184372088832u_6u_5^3u_2^{74}u_1^{45}x_4$$

S-pol added.

1025. Creating S-polynomial from the pair (p_3, p_{294}).

Forming S-pol of p_3 and p_{294}:

$$p_{1598} = (536870912u_5u_2^{45}u_1^{29} + 1073741824u_2^{46}u_1^{30})x_5x_4^2+$$
$$(1073741824u_5^2u_2^{44}u_1^{30} - 536870912u_5^2u_2^{44}u_1^{29} - 1073741824u_5u_2^{45}u_1^{30}-$$
$$4294967296u_2^{44}u_1^{32} + 2147483648u_2^{44}u_1^{31})x_5x_4x_1-$$
$$536870912u_5^2u_2^{46}u_1^{29}x_5x_4+$$
$$(536870912u_5^3u_2^{45}u_1^{29} + 2147483648u_5^2u_2^{44}u_1^{31}-$$
$$1073741824u_5^2u_2^{44}u_1^{30})x_5x_1+$$
$$(-536870912u_6u_5u_2^{44}u_1^{29} - 1073741824u_6u_2^{45}u_1^{30})x_4^2x_1+$$
$$(-536870912u_6u_5u_2^{46}u_1^{29} + 1073741824u_6u_5u_2^{44}u_1^{30}+$$
$$1073741824u_6u_2^{45}u_1^{30})x_4^2 + 536870912u_6u_5^2u_2^{45}u_1^{29}x_4x_1-$$
$$536870912u_6u_5^2u_2^{45}u_1^{29}x_4$$

S-pol added.

1026. Creating S-polynomial from the pair (p_3, p_{295}).

Forming S-pol of p_3 and p_{295}:

$$p_{1599} = (268435456u_5u_2^{44}u_1^{28} + 536870912u_2^{45}u_1^{29})x_5x_4^2+$$
$$(536870912u_5^2u_2^{43}u_1^{29} - 268435456u_5^2u_2^{43}u_1^{28} - 536870912u_5u_2^{44}u_1^{29}-$$
$$2147483648u_2^{43}u_1^{31} + 1073741824u_2^{43}u_1^{30})x_5x_4x_1-$$
$$268435456u_5^2u_2^{45}u_1^{28}x_5x_4+$$
$$(268435456u_5^3u_2^{44}u_1^{28} + 1073741824u_5^2u_2^{43}u_1^{30}-$$
$$536870912u_5^2u_2^{43}u_1^{29})x_5x_1+$$
$$(-268435456u_6u_5u_2^{43}u_1^{28} - 536870912u_6u_2^{44}u_1^{29})x_4^2x_1+$$
$$(-268435456u_6u_5u_2^{45}u_1^{28} + 536870912u_6u_5u_2^{43}u_1^{29}+$$
$$536870912u_6u_2^{44}u_1^{29})x_4^2 + 268435456u_6u_5^2u_2^{44}u_1^{28}x_4x_1-$$
$$268435456u_6u_5^2u_2^{44}u_1^{28}x_4$$

S-pol added.

1027. Creating S-polynomial from the pair (p_3, p_{296}).

Forming S-pol of p_3 and p_{296}:

$$p_{1600} = (536870912u_5u_2^{45}u_1^{29} + 1073741824u_2^{46}u_1^{30})x_5x_4^2+$$
$$(1073741824u_5^2u_2^{44}u_1^{30} - 536870912u_5^2u_2^{44}u_1^{29} - 1073741824u_5u_2^{45}u_1^{30}-$$
$$4294967296u_2^{44}u_1^{32} + 2147483648u_2^{44}u_1^{31})x_5x_4x_1-$$
$$536870912u_5^2u_2^{46}u_1^{29}x_5x_4+$$
$$(536870912u_5^3u_2^{45}u_1^{29} + 2147483648u_5^2u_2^{44}u_1^{31}-$$
$$1073741824u_5^2u_2^{44}u_1^{30})x_5x_1+$$
$$(-536870912u_6u_5u_2^{44}u_1^{29} - 1073741824u_6u_2^{45}u_1^{30})x_4^2x_1+$$
$$(-536870912u_6u_5u_2^{46}u_1^{29} + 1073741824u_6u_5u_2^{44}u_1^{30}+$$
$$1073741824u_6u_2^{45}u_1^{30})x_4^2 + 536870912u_6u_5^2u_2^{45}u_1^{29}x_4x_1-$$
$$536870912u_6u_5^2u_2^{45}u_1^{29}x_4$$

S-pol added.

1028. Creating S-polynomial from the pair (p_3, p_{297}).

Forming S-pol of p_3 and p_{297}:

$$p_{1601} = (1073741824u_5u_2^{50}u_1^{30} + 2147483648u_2^{51}u_1^{31})x_5x_4^2+$$
$$(2147483648u_5^2u_2^{49}u_1^{31} - 1073741824u_5^2u_2^{49}u_1^{30} - 2147483648u_5u_2^{50}u_1^{31}-$$
$$8589934592u_2^{49}u_1^{33} + 4294967296u_2^{49}u_1^{32})x_5x_4x_1-$$
$$1073741824u_5^2u_2^{51}u_1^{30}x_5x_4+$$
$$(1073741824u_5^3u_2^{50}u_1^{30} + 4294967296u_5^2u_2^{49}u_1^{32}-$$
$$2147483648u_5^2u_2^{49}u_1^{31})x_5x_1+$$
$$(-1073741824u_6u_5u_2^{49}u_1^{30} - 2147483648u_6u_2^{50}u_1^{31})x_4^2x_1+$$
$$(-1073741824u_6u_5u_2^{51}u_1^{30} + 2147483648u_6u_5u_2^{49}u_1^{31}+$$
$$2147483648u_6u_2^{50}u_1^{31})x_4^2 + 1073741824u_6u_5^2u_2^{50}u_1^{30}x_4x_1-$$
$$1073741824u_6u_5^2u_2^{50}u_1^{30}x_4$$

S-pol added.

1029. Creating S-polynomial from the pair (p_3, p_{298}).

Forming S-pol of p_3 and p_{298}:

$$p_{1602} = -32768u_2^{25}u_1^{15}x_5x_4^2 + (131072u_2^{23}u_1^{17} - 65536u_2^{23}u_1^{16})x_5x_4x_1+$$
$$(-65536u_5^2u_2^{23}u_1^{16} + 32768u_5^2u_2^{23}u_1^{15})x_5x_1+$$
$$32768u_6u_2^{24}u_1^{15}x_4^2x_1 - 32768u_6u_2^{24}u_1^{15}x_4^2$$

Reduced to zero.

1030. Creating S-polynomial from the pair (p_3, p_{299}).

Forming S-pol of p_3 and p_{299}: Polynomial too big for output (text size is 3770 characters, number of terms is 9)

S-pol added.

1031. Creating S-polynomial from the pair (p_3, p_{300}).

Forming S-pol of p_3 and p_{300}: Polynomial too big for output (text size is 3770 characters, number of terms is 9)

S-pol added.

1032. Creating S-polynomial from the pair (p_3, p_{301}).

Forming S-pol of p_3 and p_{301}: Polynomial too big for output (text size is 6247 characters, number of terms is 16)

S-pol added.

1033. Creating S-polynomial from the pair (p_3, p_{302}).

Forming S-pol of p_3 and p_{302}: Polynomial too big for output (text size is 1210 characters, number of terms is 9)

S-pol added.

1034. Creating S-polynomial from the pair (p_3, p_{303}).

Forming S-pol of p_3 and p_{303}: Polynomial too big for output (text size is 3322 characters, number of terms is 9)

S-pol added.

1035. Creating S-polynomial from the pair (p_3, p_{304}).

Forming S-pol of p_3 and p_{304}: Polynomial too big for output (text size is 2862 characters, number of terms is 9)

S-pol added.

1036. Creating S-polynomial from the pair (p_3, p_{305}).

Forming S-pol of p_3 and p_{305}: Polynomial too big for output (text size is 3005 characters, number of terms is 8)

S-pol added.

1037. Creating S-polynomial from the pair (p_3, p_{306}).

Forming S-pol of p_3 and p_{306}:

$$p_{1603} = 2097152u_2^{36}u_1^{21}x_5x_4^2+$$
$$(2097152u_5^2u_2^{34}u_1^{21} - 1048576u_5^2u_2^{34}u_1^{20} - 8388608u_2^{34}u_1^{23}+$$
$$4194304u_2^{34}u_1^{22})x_5x_4x_1 - 1048576u_5^2u_2^{36}u_1^{20}x_5x_4+$$
$$(4194304u_5^2u_2^{34}u_1^{22} - 2097152u_5^2u_2^{34}u_1^{21})x_5x_1-$$
$$2097152u_6u_2^{35}u_1^{21}x_4^2x_1 + 2097152u_6u_2^{35}u_1^{21}x_4^2+$$
$$1048576u_6u_5^2u_2^{35}u_1^{20}x_4x_1 - 1048576u_6u_5^2u_2^{35}u_1^{20}x_4$$

S-pol added.

1038. Creating S-polynomial from the pair (p_3, p_{307}).

Forming S-pol of p_3 and p_{307}:

$$p_{1604} = 4194304u_2^{30}u_1^{22}x_5x_4^2+$$
$$(4194304u_5^2u_2^{28}u_1^{22} - 2097152u_5^2u_2^{28}u_1^{21} - 16777216u_2^{28}u_1^{24}+$$
$$8388608u_2^{28}u_1^{23})x_5x_4x_1 - 2097152u_5^2u_2^{30}u_1^{21}x_5x_4+$$
$$(8388608u_5^2u_2^{28}u_1^{23} - 4194304u_5^2u_2^{28}u_1^{22})x_5x_1-$$
$$4194304u_6u_2^{29}u_1^{22}x_4^2x_1 + 4194304u_6u_2^{29}u_1^{22}x_4^2+$$
$$2097152u_6u_5^2u_2^{29}u_1^{21}x_4x_1 - 2097152u_6u_5^2u_2^{29}u_1^{21}x_4$$

S-pol added.

1039. Creating S-polynomial from the pair (p_3, p_{308}).

Forming S-pol of p_3 and p_{308}: Polynomial too big for output (text size is 2863 characters, number of terms is 9)

S-pol added.

1040. Creating S-polynomial from the pair (p_3, p_{309}).

Forming S-pol of p_3 and p_{309}: Polynomial too big for output (text size is 6247 characters, number of terms is 16)

S-pol added.

1041. Creating S-polynomial from the pair (p_3, p_{310}).

Forming S-pol of p_3 and p_{310}: Polynomial too big for output (text size is 1210 characters, number of terms is 9)

S-pol added.

1042. Creating S-polynomial from the pair (p_3, p_{311}).

Forming S-pol of p_3 and p_{311}: Polynomial too big for output (text size is 3322 characters, number of terms is 9)

S-pol added.

1043. Creating S-polynomial from the pair (p_3, p_{312}).

Forming S-pol of p_3 and p_{312}:

$$p_{1605} = 16384u_2^{24}u_1^{14}x_5x_4^2 + (-65536u_2^{22}u_1^{16} + 32768u_2^{22}u_1^{15})x_5x_4x_1+$$
$$(32768u_5^2u_2^{22}u_1^{15} - 16384u_5^2u_2^{22}u_1^{14})x_5x_1-$$
$$16384u_6u_2^{23}u_1^{14}x_4^2x_1 + 16384u_6u_2^{23}u_1^{14}x_4^2$$

Reduced to zero.

1044. Creating S-polynomial from the pair (p_3, p_{313}).

Forming S-pol of p_3 and p_{313}:

$$p_{1606} = -8388608u_5u_3^{35}u_1^{23}x_5x_4^2+$$
$$(33554432u_5u_3^{33}u_1^{25} - 16777216u_5u_3^{33}u_1^{24})x_5x_4x_2+$$
$$(-16777216u_5^3u_3^{33}u_1^{24} + 8388608u_5^3u_3^{33}u_1^{23})x_5x_2+$$
$$8388608u_6u_5u_3^{34}u_1^{23}x_4^2x_2 - 8388608u_6u_5u_3^{34}u_1^{23}x_4^2$$

Reduced to zero.

1045. Creating S-polynomial from the pair (p_3, p_{314}).

Forming S-pol of p_3 and p_{314}:

$$p_{1607} = -4194304u_5u_3^{34}u_1^{22}x_5x_4^2+$$
$$(16777216u_5u_3^{32}u_1^{24} - 8388608u_5u_3^{32}u_1^{23})x_5x_4x_2+$$
$$(-8388608u_5^3u_3^{32}u_1^{23} + 4194304u_5^3u_3^{32}u_1^{22})x_5x_2+$$
$$4194304u_6u_5u_3^{33}u_1^{22}x_4^2x_2 - 4194304u_6u_5u_3^{33}u_1^{22}x_4^2$$

Reduced to zero.

1046. Creating S-polynomial from the pair (p_3, p_{315}).

Forming S-pol of p_3 and p_{315}:

$$p_{1608} = (70368744177664u_5^2u_3^{75}u_1^{46} + 140737488355328u_5u_3^{76}u_1^{47})x_5x_4^2+$$
$$(140737488355328u_5^3u_3^{74}u_1^{47} - 70368744177664u_5^3u_3^{74}u_1^{46}-$$
$$140737488355328u_5^2u_3^{75}u_1^{47} - 562949953421312u_5u_3^{74}u_1^{49}+$$
$$281474976710656u_5u_3^{74}u_1^{48})x_5x_4x_2 - 70368744177664u_5^3u_3^{76}u_1^{46}x_5x_4+$$
$$(70368744177664u_5^4u_3^{75}u_1^{46} + 281474976710656u_5^3u_3^{74}u_1^{48}-$$
$$140737488355328u_5^3u_3^{74}u_1^{47})x_5x_2+$$
$$(-70368744177664u_6u_5^2u_3^{74}u_1^{46} - 140737488355328u_6u_5u_3^{75}u_1^{47})x_4^2x_2+$$
$$(-70368744177664u_6u_5^2u_3^{76}u_1^{46} + 140737488355328u_6u_5^2u_3^{74}u_1^{47}+$$
$$140737488355328u_6u_5u_3^{75}u_1^{47})x_4^2 + 70368744177664u_6u_5^3u_3^{75}u_1^{46}x_4x_2-$$
$$70368744177664u_6u_5^3u_3^{75}u_1^{46}x_4$$

S-pol added.

1047. Creating S-polynomial from the pair (p_3, p_{316}).

Forming S-pol of p_3 and p_{316}:

$$p_{1609} = (35184372088832u_5^2u_3^{74}u_1^{45} + 70368744177664u_5u_3^{75}u_1^{46})x_5x_4^2+$$
$$(70368744177664u_5^3u_3^{73}u_1^{46} - 35184372088832u_5^3u_3^{73}u_1^{45}-$$
$$70368744177664u_5^2u_3^{74}u_1^{46} - 281474976710656u_5u_3^{73}u_1^{48}+$$

$$140737488355328u_5u_3^{73}u_1^{47})x_5x_4x_2 - 35184372088832u_5^3u_3^{75}u_1^{45}x_5x_4+$$
$$(35184372088832u_5^4u_3^{74}u_1^{45} + 140737488355328u_5^3u_3^{73}u_1^{47}-$$
$$70368744177664u_5^3u_3^{73}u_1^{46})x_5x_2+$$
$$(-35184372088832u_6u_5^2u_3^{73}u_1^{45} - 70368744177664u_6u_5u_3^{74}u_1^{46})x_4^2x_2+$$
$$(-35184372088832u_6u_5^2u_3^{75}u_1^{45} + 70368744177664u_6u_5^2u_3^{73}u_1^{46}+$$
$$70368744177664u_6u_5u_3^{74}u_1^{46})x_4^2 + 35184372088832u_6u_5^3u_3^{74}u_1^{45}x_4x_2-$$
$$35184372088832u_6u_5^3u_3^{74}u_1^{45}x_4$$

S-pol added.

1048. Creating S-polynomial from the pair (p_3, p_{317}).

Forming S-pol of p_3 and p_{317}:

$$p_{1610} = (536870912u_5u_3^{45}u_1^{29} + 1073741824u_3^{46}u_1^{30})x_5x_4^2+$$
$$(1073741824u_5^2u_3^{44}u_1^{30} - 536870912u_5^2u_3^{44}u_1^{29} - 1073741824u_5u_3^{45}u_1^{30}-$$
$$4294967296u_3^{44}u_1^{32} + 2147483648u_3^{44}u_1^{31})x_5x_4x_2-$$
$$536870912u_5^2u_3^{46}u_1^{29}x_5x_4+$$
$$(536870912u_5^3u_3^{45}u_1^{29} + 2147483648u_5^2u_3^{44}u_1^{31}-$$
$$1073741824u_5^2u_3^{44}u_1^{30})x_5x_2+$$
$$(-536870912u_6u_5u_3^{44}u_1^{29} - 1073741824u_6u_3^{45}u_1^{30})x_4^2x_2+$$
$$(-536870912u_6u_5u_3^{46}u_1^{29} + 1073741824u_6u_5u_3^{44}u_1^{30}+$$
$$1073741824u_6u_3^{45}u_1^{30})x_4^2 + 536870912u_6u_5^2u_3^{45}u_1^{29}x_4x_2-$$
$$536870912u_6u_5^2u_3^{45}u_1^{29}x_4$$

S-pol added.

1049. Creating S-polynomial from the pair (p_3, p_{318}).

Forming S-pol of p_3 and p_{318}:

$$p_{1611} = (268435456u_5u_3^{44}u_1^{28} + 536870912u_3^{45}u_1^{29})x_5x_4^2+$$
$$(536870912u_5^2u_3^{43}u_1^{29} - 268435456u_5^2u_3^{43}u_1^{28} - 536870912u_5u_3^{44}u_1^{29}-$$
$$2147483648u_3^{43}u_1^{31} + 1073741824u_3^{43}u_1^{30})x_5x_4x_2-$$
$$268435456u_5^2u_3^{45}u_1^{28}x_5x_4+$$
$$(268435456u_5^3u_3^{44}u_1^{28} + 1073741824u_5^2u_3^{43}u_1^{30}-$$
$$536870912u_5^2u_3^{43}u_1^{29})x_5x_2+$$
$$(-268435456u_6u_5u_3^{43}u_1^{28} - 536870912u_6u_3^{44}u_1^{29})x_4^2x_2+$$
$$(-268435456u_6u_5u_3^{45}u_1^{28} + 536870912u_6u_5u_3^{43}u_1^{29}+$$
$$536870912u_6u_3^{44}u_1^{29})x_4^2 + 268435456u_6u_5^2u_3^{44}u_1^{28}x_4x_2-$$
$$268435456u_6u_5^2u_3^{44}u_1^{28}x_4$$

S-pol added.

1050. Creating S-polynomial from the pair (p_3, p_{319}).

Forming S-pol of p_3 and p_{319}:

$$p_{1612} = (536870912u_5u_3^{45}u_1^{29} + 1073741824u_3^{46}u_1^{30})x_5x_4^2+$$
$$(1073741824u_5^2u_3^{44}u_1^{30} - 536870912u_5^2u_3^{44}u_1^{29} - 1073741824u_5u_3^{45}u_1^{30}-$$
$$4294967296u_3^{44}u_1^{32} + 2147483648u_3^{44}u_1^{31})x_5x_4x_2-$$
$$536870912u_5^2u_3^{46}u_1^{29}x_5x_4+$$
$$(536870912u_5^3u_3^{45}u_1^{29} + 2147483648u_5^2u_3^{44}u_1^{31}-$$
$$1073741824u_5^2u_3^{44}u_1^{30})x_5x_2+$$
$$(-536870912u_6u_5u_3^{44}u_1^{29} - 1073741824u_6u_3^{45}u_1^{30})x_4^2x_2+$$
$$(-536870912u_6u_5u_3^{46}u_1^{29} + 1073741824u_6u_5u_3^{44}u_1^{30}+$$
$$1073741824u_6u_3^{45}u_1^{30})x_4^2 + 536870912u_6u_5^2u_3^{45}u_1^{29}x_4x_2-$$
$$536870912u_6u_5^2u_3^{45}u_1^{29}x_4$$

S-pol added.

1051. Creating S-polynomial from the pair (p_3, p_{320}).

Forming S-pol of p_3 and p_{320}:

$$p_{1613} = (1073741824u_5u_3^{50}u_1^{30} + 2147483648u_3^{51}u_1^{31})x_5x_4^2+$$
$$(2147483648u_5^2u_3^{49}u_1^{31} - 1073741824u_5^2u_3^{49}u_1^{30} - 2147483648u_5u_3^{50}u_1^{31}-$$
$$8589934592u_3^{49}u_1^{33} + 4294967296u_3^{49}u_1^{32})x_5x_4x_2-$$
$$1073741824u_5^2u_3^{51}u_1^{30}x_5x_4+$$
$$(1073741824u_5^3u_3^{50}u_1^{30} + 4294967296u_5^2u_3^{49}u_1^{32}-$$
$$2147483648u_5^2u_3^{49}u_1^{31})x_5x_2+$$
$$(-1073741824u_6u_5u_3^{49}u_1^{30} - 2147483648u_6u_3^{50}u_1^{31})x_4^2x_2+$$
$$(-1073741824u_6u_5u_3^{51}u_1^{30} + 2147483648u_6u_5u_3^{49}u_1^{31}+$$
$$2147483648u_6u_3^{50}u_1^{31})x_4^2 + 1073741824u_6u_5^2u_3^{50}u_1^{30}x_4x_2-$$
$$1073741824u_6u_5^2u_3^{50}u_1^{30}x_4$$

S-pol added.

1052. Creating S-polynomial from the pair (p_3, p_{321}).

Forming S-pol of p_3 and p_{321}:

$$p_{1614} = -32768u_3^{25}u_1^{15}x_5x_4^2 + (131072u_3^{23}u_1^{17} - 65536u_3^{23}u_1^{16})x_5x_4x_2+$$
$$(-65536u_5^2u_3^{23}u_1^{16} + 32768u_5^2u_3^{23}u_1^{15})x_5x_2+$$
$$32768u_6u_3^{24}u_1^{15}x_4^2x_2 - 32768u_6u_3^{24}u_1^{15}x_4^2$$

Reduced to zero.

1053. Creating S-polynomial from the pair (p_3, p_{322}).

Forming S-pol of p_3 and p_{322}: Polynomial too big for output (text size is 3770 characters, number of terms is 9)

S-pol added.

1054. Creating S-polynomial from the pair (p_3, p_{323}).

Forming S-pol of p_3 and p_{323}: Polynomial too big for output (text size is 3005 characters, number of terms is 8)

S-pol added.

1055. Creating S-polynomial from the pair (p_3, p_{324}).

Forming S-pol of p_3 and p_{324}:

$$p_{1615} = 2097152u_3^{36}u_1^{21}x_5x_4^2+$$
$$(2097152u_5^2u_3^{34}u_1^{21} - 1048576u_5^2u_3^{34}u_1^{20} - 8388608u_3^{34}u_1^{23}+$$
$$4194304u_3^{34}u_1^{22})x_5x_4x_2 - 1048576u_5^2u_3^{36}u_1^{20}x_5x_4+$$
$$(4194304u_5^2u_3^{34}u_1^{22} - 2097152u_5^2u_3^{34}u_1^{21})x_5x_2-$$
$$2097152u_6u_3^{35}u_1^{21}x_4^2x_2 + 2097152u_6u_3^{35}u_1^{21}x_4^2+$$
$$1048576u_6u_5^2u_3^{35}u_1^{20}x_4x_2 - 1048576u_6u_5^2u_3^{35}u_1^{20}x_4$$

S-pol added.

1056. Creating S-polynomial from the pair (p_3, p_{325}).

Forming S-pol of p_3 and p_{325}:

$$p_{1616} = 4194304u_3^{30}u_1^{22}x_5x_4^2+$$
$$(4194304u_5^2u_3^{28}u_1^{22} - 2097152u_5^2u_3^{28}u_1^{21} - 16777216u_3^{28}u_1^{24}+$$
$$8388608u_3^{28}u_1^{23})x_5x_4x_2 - 2097152u_5^2u_3^{30}u_1^{21}x_5x_4+$$
$$(8388608u_5^2u_3^{28}u_1^{23} - 4194304u_5^2u_3^{28}u_1^{22})x_5x_2-$$
$$4194304u_6u_3^{29}u_1^{22}x_4^2x_2 + 4194304u_6u_3^{29}u_1^{22}x_4^2+$$
$$2097152u_6u_5^2u_3^{29}u_1^{21}x_4x_2 - 2097152u_6u_5^2u_3^{29}u_1^{21}x_4$$

S-pol added.

1057. Creating S-polynomial from the pair (p_3, p_{326}).

Forming S-pol of p_3 and p_{326}: Polynomial too big for output (text size is 2984 characters, number of terms is 9)

S-pol added.

1058. Creating S-polynomial from the pair (p_3, p_{327}).

Forming S-pol of p_3 and p_{327}: Polynomial too big for output (text size is 2863 characters, number of terms is 9)

S-pol added.

1059. Creating S-polynomial from the pair (p_3, p_{328}).

Forming S-pol of p_3 and p_{328}: Polynomial too big for output (text size is 6203 characters, number of terms is 16)

S-pol added.

1060. Creating S-polynomial from the pair (p_3, p_{329}).

Forming S-pol of p_3 and p_{329}: Polynomial too big for output (text size is 1193 characters, number of terms is 9)

S-pol added.

1061. Creating S-polynomial from the pair (p_3, p_{330}).

Forming S-pol of p_3 and p_{330}: Polynomial too big for output (text size is 3321 characters, number of terms is 9)

S-pol added.

1062. Creating S-polynomial from the pair (p_3, p_{331}).

Forming S-pol of p_3 and p_{331}: Polynomial too big for output (text size is 6247 characters, number of terms is 16)

S-pol added.

1063. Creating S-polynomial from the pair (p_3, p_{332}).

Forming S-pol of p_3 and p_{332}: Polynomial too big for output (text size is 1210 characters, number of terms is 9)

S-pol added.

1064. Creating S-polynomial from the pair (p_3, p_{333}).

Forming S-pol of p_3 and p_{333}: Polynomial too big for output (text size is 3322 characters, number of terms is 9)

S-pol added.

1065. Creating S-polynomial from the pair (p_3, p_{334}).

Forming S-pol of p_3 and p_{334}:

$$p_{1617} = 16384u_3^{24}u_1^{14}x_5x_4^2 + (-65536u_3^{22}u_1^{16} + 32768u_3^{22}u_1^{15})x_5x_4x_2 +$$
$$(32768u_5^2u_3^{22}u_1^{15} - 16384u_5^2u_3^{22}u_1^{14})x_5x_2 -$$
$$16384u_6u_3^{23}u_1^{14}x_4^2x_2 + 16384u_6u_3^{23}u_1^{14}x_4^2$$

Reduced to zero.

1066. Creating S-polynomial from the pair (p_3, p_{335}).

Forming S-pol of p_3 and p_{335}:

$$p_{1618} = -8388608u_5u_4^{35}u_1^{23}x_5x_4^2 +$$
$$(33554432u_5u_4^{33}u_1^{25} - 16777216u_5u_4^{33}u_1^{24})x_5x_4x_3 +$$
$$(-16777216u_5^3u_4^{33}u_1^{24} + 8388608u_5^3u_4^{33}u_1^{23})x_5x_3 +$$
$$8388608u_6u_5u_4^{34}u_1^{23}x_4^2x_3 - 8388608u_6u_5u_4^{34}u_1^{23}x_4^2$$

Reduced to zero.

1067. Creating S-polynomial from the pair (p_3, p_{336}).

Forming S-pol of p_3 and p_{336}:

$$p_{1619} = -4194304u_5u_4^{34}u_1^{22}x_5x_4^2+$$
$$(16777216u_5u_4^{32}u_1^{24} - 8388608u_5u_4^{32}u_1^{23})x_5x_4x_3+$$
$$(-8388608u_5^3u_4^{32}u_1^{23} + 4194304u_5^3u_4^{32}u_1^{22})x_5x_3+$$
$$4194304u_6u_5u_4^{33}u_1^{22}x_4^2x_3 - 4194304u_6u_5u_4^{33}u_1^{22}x_4^2$$

Reduced to zero.

1068. Creating S-polynomial from the pair (p_3, p_{337}).

Forming S-pol of p_3 and p_{337}:

$$p_{1620} = (70368744177664u_5^2u_4^{75}u_1^{46} + 140737488355328u_5u_4^{76}u_1^{47})x_5x_4^2+$$
$$(140737488355328u_5^3u_4^{74}u_1^{47} - 70368744177664u_5^3u_4^{74}u_1^{46}-$$
$$140737488355328u_5^2u_4^{75}u_1^{47} - 562949953421312u_5u_4^{74}u_1^{49}+$$
$$281474976710656u_5u_4^{74}u_1^{48})x_5x_4x_3 - 70368744177664u_5^3u_4^{76}u_1^{46}x_5x_4+$$
$$(70368744177664u_5^4u_4^{75}u_1^{46} + 281474976710656u_5^3u_4^{74}u_1^{48}-$$
$$140737488355328u_5^3u_4^{74}u_1^{47})x_5x_3+$$
$$(-70368744177664u_6u_5^2u_4^{74}u_1^{46} - 140737488355328u_6u_5u_4^{75}u_1^{47})x_4^2x_3+$$
$$(-70368744177664u_6u_5^2u_4^{76}u_1^{46} + 140737488355328u_6u_5^2u_4^{74}u_1^{47}+$$
$$140737488355328u_6u_5u_4^{75}u_1^{47})x_4^2 + 70368744177664u_6u_5^3u_4^{75}u_1^{46}x_4x_3-$$
$$70368744177664u_6u_5^3u_4^{75}u_1^{46}x_4$$

S-pol added.

1069. Creating S-polynomial from the pair (p_3, p_{338}).

Forming S-pol of p_3 and p_{338}:

$$p_{1621} = (35184372088832u_5^2u_4^{74}u_1^{45} + 70368744177664u_5u_4^{75}u_1^{46})x_5x_4^2+$$
$$(70368744177664u_5^3u_4^{73}u_1^{46} - 35184372088832u_5^3u_4^{73}u_1^{45}-$$
$$70368744177664u_5^2u_4^{74}u_1^{46} - 281474976710656u_5u_4^{73}u_1^{48}+$$
$$140737488355328u_5u_4^{73}u_1^{47})x_5x_4x_3 - 35184372088832u_5^3u_4^{75}u_1^{45}x_5x_4+$$
$$(35184372088832u_5^4u_4^{74}u_1^{45} + 140737488355328u_5^3u_4^{73}u_1^{47}-$$
$$70368744177664u_5^3u_4^{73}u_1^{46})x_5x_3+$$
$$(-35184372088832u_6u_5^2u_4^{73}u_1^{45} - 70368744177664u_6u_5u_4^{74}u_1^{46})x_4^2x_3+$$
$$(-35184372088832u_6u_5^2u_4^{75}u_1^{45} + 70368744177664u_6u_5^2u_4^{73}u_1^{46}+$$
$$70368744177664u_6u_5u_4^{74}u_1^{46})x_4^2 + 35184372088832u_6u_5^3u_4^{74}u_1^{45}x_4x_3-$$
$$35184372088832u_6u_5^3u_4^{74}u_1^{45}x_4$$

S-pol added.

1070. Creating S-polynomial from the pair (p_3, p_{339}).

Forming S-pol of p_3 and p_{339}:

$$p_{1622} = (536870912u_5u_4^{45}u_1^{29} + 1073741824u_4^{46}u_1^{30})x_5x_4^2+$$
$$(1073741824u_5^2u_4^{44}u_1^{30} - 536870912u_5^2u_4^{44}u_1^{29} - 1073741824u_5u_4^{45}u_1^{30}-$$
$$4294967296u_4^{44}u_1^{32} + 2147483648u_4^{44}u_1^{31})x_5x_4x_3-$$
$$536870912u_5^2u_4^{46}u_1^{29}x_5x_4+$$
$$(536870912u_5^3u_4^{45}u_1^{29} + 2147483648u_5^2u_4^{44}u_1^{31}-$$
$$1073741824u_5^2u_4^{44}u_1^{30})x_5x_3+$$
$$(-536870912u_6u_5u_4^{44}u_1^{29} - 1073741824u_6u_4^{45}u_1^{30})x_4^2x_3+$$
$$(-536870912u_6u_5u_4^{46}u_1^{29} + 1073741824u_6u_5u_4^{44}u_1^{30}+$$
$$1073741824u_6u_4^{45}u_1^{30})x_4^2 + 536870912u_6u_5^2u_4^{45}u_1^{29}x_4x_3-$$
$$536870912u_6u_5^2u_4^{45}u_1^{29}x_4$$

S-pol added.

1071. Creating S-polynomial from the pair (p_3, p_{340}).

Forming S-pol of p_3 and p_{340}:

$$p_{1623} = (268435456u_5u_4^{44}u_1^{28} + 536870912u_4^{45}u_1^{29})x_5x_4^2+$$
$$(536870912u_5^2u_4^{43}u_1^{29} - 268435456u_5^2u_4^{43}u_1^{28} - 536870912u_5u_4^{44}u_1^{29}-$$
$$2147483648u_4^{43}u_1^{31} + 1073741824u_4^{43}u_1^{30})x_5x_4x_3-$$
$$268435456u_5^2u_4^{45}u_1^{28}x_5x_4+$$
$$(268435456u_5^3u_4^{44}u_1^{28} + 1073741824u_5^2u_4^{43}u_1^{30}-$$
$$536870912u_5^2u_4^{43}u_1^{29})x_5x_3+$$
$$(-268435456u_6u_5u_4^{43}u_1^{28} - 536870912u_6u_4^{44}u_1^{29})x_4^2x_3+$$
$$(-268435456u_6u_5u_4^{45}u_1^{28} + 536870912u_6u_5u_4^{43}u_1^{29}+$$
$$536870912u_6u_4^{44}u_1^{29})x_4^2 + 268435456u_6u_5^2u_4^{44}u_1^{28}x_4x_3-$$
$$268435456u_6u_5^2u_4^{44}u_1^{28}x_4$$

S-pol added.

1072. Creating S-polynomial from the pair (p_3, p_{341}).

Forming S-pol of p_3 and p_{341}:

$$p_{1624} = (536870912u_5u_4^{45}u_1^{29} + 1073741824u_4^{46}u_1^{30})x_5x_4^2+$$
$$(1073741824u_5^2u_4^{44}u_1^{30} - 536870912u_5^2u_4^{44}u_1^{29} - 1073741824u_5u_4^{45}u_1^{30}-$$
$$4294967296u_4^{44}u_1^{32} + 2147483648u_4^{44}u_1^{31})x_5x_4x_3-$$
$$536870912u_5^2u_4^{46}u_1^{29}x_5x_4+$$
$$(536870912u_5^3u_4^{45}u_1^{29} + 2147483648u_5^2u_4^{44}u_1^{31}-$$

$$1073741824u_5^2u_4^{44}u_1^{30})x_5x_3+$$
$$(-536870912u_6u_5u_4^{44}u_1^{29}-1073741824u_6u_4^{45}u_1^{30})x_4^2x_3+$$
$$(-536870912u_6u_5u_4^{46}u_1^{29}+1073741824u_6u_5u_4^{44}u_1^{30}+$$
$$1073741824u_6u_4^{45}u_1^{30})x_4^2+536870912u_6u_5^2u_4^{45}u_1^{29}x_4x_3-$$
$$536870912u_6u_5^2u_4^{45}u_1^{29}x_4$$

S-pol added.

1073. Creating S-polynomial from the pair (p_3, p_{342}).

Forming S-pol of p_3 and p_{342}:

$$p_{1625}=(1073741824u_5u_4^{50}u_1^{30}+2147483648u_4^{51}u_1^{31})x_5x_4^2+$$
$$(2147483648u_5^2u_4^{49}u_1^{31}-1073741824u_5^2u_4^{49}u_1^{30}-2147483648u_5u_4^{50}u_1^{31}-$$
$$8589934592u_4^{49}u_1^{33}+4294967296u_4^{49}u_1^{32})x_5x_4x_3-$$
$$1073741824u_5^2u_4^{51}u_1^{30}x_5x_4+$$
$$(1073741824u_5^3u_4^{50}u_1^{30}+4294967296u_5^2u_4^{49}u_1^{32}-$$
$$2147483648u_5^2u_4^{49}u_1^{31})x_5x_3+$$
$$(-1073741824u_6u_5u_4^{49}u_1^{30}-2147483648u_6u_4^{50}u_1^{31})x_4^2x_3+$$
$$(-1073741824u_6u_5u_4^{51}u_1^{30}+2147483648u_6u_5u_4^{49}u_1^{31}+$$
$$2147483648u_6u_4^{50}u_1^{31})x_4^2+1073741824u_6u_5^2u_4^{50}u_1^{30}x_4x_3-$$
$$1073741824u_6u_5^2u_4^{50}u_1^{30}x_4$$

S-pol added.

1074. Creating S-polynomial from the pair (p_3, p_{343}).

Forming S-pol of p_3 and p_{343}:

$$p_{1626}=-32768u_4^{25}u_1^{15}x_5x_4^2+(131072u_4^{23}u_1^{17}-65536u_4^{23}u_1^{16})x_5x_4x_3+$$
$$(-65536u_5^2u_4^{23}u_1^{16}+32768u_5^2u_4^{23}u_1^{15})x_5x_3+$$
$$32768u_6u_4^{24}u_1^{15}x_4^2x_3-32768u_6u_4^{24}u_1^{15}x_4^2$$

Reduced to zero.

1075. Creating S-polynomial from the pair (p_3, p_{344}).

Forming S-pol of p_3 and p_{344}: Polynomial too big for output (text size is 6203 characters, number of terms is 16)

S-pol added.

1076. Creating S-polynomial from the pair (p_3, p_{345}).

Forming S-pol of p_3 and p_{345}: Polynomial too big for output (text size is 1193 characters, number of terms is 9)

S-pol added.

1077. Creating S-polynomial from the pair (p_3, p_{346}).

Forming S-pol of p_3 and p_{346}: Polynomial too big for output (text size is 3321 characters, number of terms is 9)

S-pol added.

1078. Creating S-polynomial from the pair (p_3, p_{347}).

Forming S-pol of p_3 and p_{347}: Polynomial too big for output (text size is 2987 characters, number of terms is 9)

S-pol added.

1079. Creating S-polynomial from the pair (p_3, p_{348}).

Forming S-pol of p_3 and p_{348}: Polynomial too big for output (text size is 6203 characters, number of terms is 16)

S-pol added.

1080. Creating S-polynomial from the pair (p_3, p_{349}).

Forming S-pol of p_3 and p_{349}: Polynomial too big for output (text size is 1193 characters, number of terms is 9)

S-pol added.

1081. Creating S-polynomial from the pair (p_3, p_{350}).

Forming S-pol of p_3 and p_{350}: Polynomial too big for output (text size is 3321 characters, number of terms is 9)

S-pol added.

1082. Creating S-polynomial from the pair (p_3, p_{351}).

Forming S-pol of p_3 and p_{351}: Polynomial too big for output (text size is 2987 characters, number of terms is 9)

S-pol added.

1083. Creating S-polynomial from the pair (p_3, p_{352}).

Forming S-pol of p_3 and p_{352}: Polynomial too big for output (text size is 3005 characters, number of terms is 8)

S-pol added.

1084. Creating S-polynomial from the pair (p_3, p_{353}).

Forming S-pol of p_3 and p_{353}:

$$p_{1627} = 2097152u_4^{36}u_1^{21}x_5x_4^2+$$
$$(2097152u_5^2u_4^{34}u_1^{21} - 1048576u_5^2u_4^{34}u_1^{20} - 8388608u_4^{34}u_1^{23}+$$
$$4194304u_4^{34}u_1^{22})x_5x_4x_3 - 1048576u_5^2u_4^{36}u_1^{20}x_5x_4+$$
$$(4194304u_5^2u_4^{34}u_1^{22} - 2097152u_5^2u_4^{34}u_1^{21})x_5x_3-$$
$$2097152u_6u_4^{35}u_1^{21}x_4^2x_3 + 2097152u_6u_4^{35}u_1^{21}x_4^2+$$
$$1048576u_6u_5^2u_4^{35}u_1^{20}x_4x_3 - 1048576u_6u_5^2u_4^{35}u_1^{20}x_4$$

S-pol added.

1085. Creating S-polynomial from the pair (p_3, p_{354}).

Forming S-pol of p_3 and p_{354}:

$$p_{1628} = 4194304u_4^{30}u_1^{22}x_5x_4^2+$$
$$(4194304u_5^2u_4^{28}u_1^{22} - 2097152u_5^2u_4^{28}u_1^{21} - 16777216u_4^{28}u_1^{24}+$$
$$8388608u_4^{28}u_1^{23})x_5x_4x_3 - 2097152u_5^2u_4^{30}u_1^{21}x_5x_4+$$
$$(8388608u_5^2u_4^{28}u_1^{23} - 4194304u_5^2u_4^{28}u_1^{22})x_5x_3-$$
$$4194304u_6u_4^{29}u_1^{22}x_4^2x_3 + 4194304u_6u_4^{29}u_1^{22}x_4^2+$$
$$2097152u_6u_5^2u_4^{29}u_1^{21}x_4x_3 - 2097152u_6u_5^2u_4^{29}u_1^{21}x_4$$

S-pol added.

1086. Creating S-polynomial from the pair (p_3, p_{355}).

Forming S-pol of p_3 and p_{355}:

$$p_{1629} = 16384u_4^{24}u_1^{14}x_5x_4^2 + (-65536u_4^{22}u_1^{16} + 32768u_4^{22}u_1^{15})x_5x_4x_3+$$
$$(32768u_5^2u_4^{22}u_1^{15} - 16384u_5^2u_4^{22}u_1^{14})x_5x_3-$$
$$16384u_6u_4^{23}u_1^{14}x_4^2x_3 + 16384u_6u_4^{23}u_1^{14}x_4^2$$

Reduced to zero.

1087. Creating S-polynomial from the pair (p_3, p_{356}).

Forming S-pol of p_3 and p_{356}: Polynomial too big for output (text size is 1583 characters, number of terms is 8)

S-pol added.

1088. Creating S-polynomial from the pair (p_3, p_{357}).

Forming S-pol of p_3 and p_{357}: Polynomial too big for output (text size is 2249 characters, number of terms is 8)

S-pol added.

1089. Creating S-polynomial from the pair (p_3, p_{358}).

Forming S-pol of p_3 and p_{358}: Polynomial too big for output (text size is 6228 characters, number of terms is 16)

S-pol added.

1090. Creating S-polynomial from the pair (p_3, p_{359}).

Forming S-pol of p_3 and p_{359}: Polynomial too big for output (text size is 6175 characters, number of terms is 16)

S-pol added.

1091. Creating S-polynomial from the pair (p_3, p_{360}).

Forming S-pol of p_3 and p_{360}:

$$p_{1630} = -262144u_3^{29}u_1^{18}x_5x_4^2+$$
$$(-262144u_5^2u_3^{27}u_1^{18} + 131072u_5^2u_3^{27}u_1^{17} + 1048576u_3^{27}u_1^{20}-$$
$$524288u_3^{27}u_1^{19})x_5x_4x_2 + 131072u_5^2u_3^{29}u_1^{17}x_5x_4+$$
$$(-524288u_5^2u_3^{27}u_1^{19} + 262144u_5^2u_3^{27}u_1^{18})x_5x_2+$$
$$262144u_6u_3^{28}u_1^{18}x_4^2x_2 - 262144u_6u_3^{28}u_1^{18}x_4^2-$$
$$131072u_6u_5^2u_3^{28}u_1^{17}x_4x_2 + 131072u_6u_5^2u_3^{28}u_1^{17}x_4$$

S-pol added.

1092. Creating S-polynomial from the pair (p_3, p_{361}).

Forming S-pol of p_3 and p_{361}: Polynomial too big for output (text size is 1201 characters, number of terms is 9)

S-pol added.

1093. Creating S-polynomial from the pair (p_3, p_{362}).

Forming S-pol of p_3 and p_{362}: Polynomial too big for output (text size is 1188 characters, number of terms is 9)

S-pol added.

1094. Creating S-polynomial from the pair (p_3, p_{363}).

Forming S-pol of p_3 and p_{363}: Polynomial too big for output (text size is 2971 characters, number of terms is 9)

S-pol added.

1095. Creating S-polynomial from the pair (p_3, p_{364}).

Forming S-pol of p_3 and p_{364}: Polynomial too big for output (text size is 2856 characters, number of terms is 9)

S-pol added.

1096. Creating S-polynomial from the pair (p_3, p_{365}).

Forming S-pol of p_3 and p_{365}: Polynomial too big for output (text size is 6174 characters, number of terms is 16)

S-pol added.

1097. Creating S-polynomial from the pair (p_3, p_{366}).

Forming S-pol of p_3 and p_{366}: Polynomial too big for output (text size is 1190 characters, number of terms is 9)

S-pol added.

1098. Creating S-polynomial from the pair (p_3, p_{367}).

Forming S-pol of p_3 and p_{367}: Polynomial too big for output (text size is 2251 characters, number of terms is 9)

S-pol added.

1099. Creating S-polynomial from the pair (p_3, p_{368}).

Forming S-pol of p_3 and p_{368}: Polynomial too big for output (text size is 6225 characters, number of terms is 16)

S-pol added.

1100. Creating S-polynomial from the pair (p_3, p_{369}).

Forming S-pol of p_3 and p_{369}: Polynomial too big for output (text size is 1202 characters, number of terms is 9)

S-pol added.

1101. Creating S-polynomial from the pair (p_3, p_{370}).

Forming S-pol of p_3 and p_{370}: Polynomial too big for output (text size is 2252 characters, number of terms is 9)

S-pol added.

1102. Creating S-polynomial from the pair (p_3, p_{371}).

Forming S-pol of p_3 and p_{371}: Polynomial too big for output (text size is 2856 characters, number of terms is 9)

S-pol added.

1103. Creating S-polynomial from the pair (p_3, p_{372}).

Forming S-pol of p_3 and p_{372}: Polynomial too big for output (text size is 2971 characters, number of terms is 9)

S-pol added.

1104. Creating S-polynomial from the pair (p_3, p_{373}).

Forming S-pol of p_3 and p_{373}: Polynomial too big for output (text size is 1583 characters, number of terms is 8)

S-pol added.

1105. Creating S-polynomial from the pair (p_3, p_{374}).

Forming S-pol of p_3 and p_{374}: Polynomial too big for output (text size is 2249 characters, number of terms is 8)

S-pol added.

1106. Creating S-polynomial from the pair (p_3, p_{375}).

Forming S-pol of p_3 and p_{375}: Polynomial too big for output (text size is 6175 characters, number of terms is 16)

S-pol added.

1107. Creating S-polynomial from the pair (p_3, p_{376}).

Forming S-pol of p_3 and p_{376}:

$$p_{1631} = -262144u_2^{29}u_1^{18}x_5x_4^2+$$

$$(-262144u_5^2u_2^{27}u_1^{18} + 131072u_5^2u_2^{27}u_1^{17} + 1048576u_2^{27}u_1^{20}-$$

$$524288u_2^{27}u_1^{19})x_5x_4x_1 + 131072u_5^2u_2^{29}u_1^{17}x_5x_4+$$

$$(-524288u_5^2u_2^{27}u_1^{19} + 262144u_5^2u_2^{27}u_1^{18})x_5x_1+$$
$$262144u_6u_2^{28}u_1^{18}x_4^2x_1 - 262144u_6u_2^{28}u_1^{18}x_4^2-$$
$$131072u_6u_5^2u_2^{28}u_1^{17}x_4x_1 + 131072u_6u_5^2u_2^{28}u_1^{17}x_4$$

S-pol added.

1108. Creating S-polynomial from the pair (p_3, p_{377}).

Forming S-pol of p_3 and p_{377}: Polynomial too big for output (text size is 1188 characters, number of terms is 9)

S-pol added.

1109. Creating S-polynomial from the pair (p_3, p_{378}).

Forming S-pol of p_3 and p_{378}: Polynomial too big for output (text size is 2856 characters, number of terms is 9)

S-pol added.

1110. Creating S-polynomial from the pair (p_3, p_{379}).

Forming S-pol of p_3 and p_{379}: Polynomial too big for output (text size is 6225 characters, number of terms is 16)

S-pol added.

1111. Creating S-polynomial from the pair (p_3, p_{380}).

Forming S-pol of p_3 and p_{380}: Polynomial too big for output (text size is 1202 characters, number of terms is 9)

S-pol added.

1112. Creating S-polynomial from the pair (p_3, p_{381}).

Forming S-pol of p_3 and p_{381}: Polynomial too big for output (text size is 2252 characters, number of terms is 9)

S-pol added.

1113. Creating S-polynomial from the pair (p_3, p_{382}).

Forming S-pol of p_3 and p_{382}: Polynomial too big for output (text size is 2971 characters, number of terms is 9)

S-pol added.

1114. Creating S-polynomial from the pair (p_3, p_{383}).

Forming S-pol of p_3 and p_{383}: Polynomial too big for output (text size is 1583 characters, number of terms is 8)

S-pol added.

1115. Creating S-polynomial from the pair (p_3, p_{384}).

Forming S-pol of p_3 and p_{384}: Polynomial too big for output (text size is 2249 characters, number of terms is 8)

S-pol added.

1116. Creating S-polynomial from the pair (p_3, p_{385}).

Forming S-pol of p_3 and p_{385}:

$$p_{1632} = -262144u_4^{29}u_1^{18}x_5x_4^2+$$
$$(-262144u_5^2u_4^{27}u_1^{18} + 131072u_5^2u_4^{27}u_1^{17} + 1048576u_4^{27}u_1^{20}-$$
$$524288u_4^{27}u_1^{19})x_5x_4x_3 + 131072u_5^2u_4^{29}u_1^{17}x_5x_4+$$
$$(-524288u_5^2u_4^{27}u_1^{19} + 262144u_5^2u_4^{27}u_1^{18})x_5x_3+$$
$$262144u_6u_4^{28}u_1^{18}x_4^2x_3 - 262144u_6u_4^{28}u_1^{18}x_4^2-$$
$$131072u_6u_5^2u_4^{28}u_1^{17}x_4x_3 + 131072u_6u_5^2u_4^{28}u_1^{17}x_4$$

S-pol added.

1117. Creating S-polynomial from the pair (p_4, p_{107}).

Forming S-pol of p_4 and p_{107}:

$$p_{1633} = 131072u_2^{31}u_1^{17}x_5^2x_4+$$
$$(131072u_5^2u_2^{29}u_1^{17} - 65536u_5^2u_2^{29}u_1^{16})x_5^2x_1-$$
$$65536u_5^2u_2^{31}u_1^{16}x_5^2+$$
$$(-131072u_6u_2^{30}u_1^{17} - 524288u_2^{29}u_1^{19} + 262144u_2^{29}u_1^{18})x_5x_4x_1+$$
$$131072u_6u_2^{30}u_1^{17}x_5x_4 + 65536u_6u_5^2u_2^{30}u_1^{16}x_5x_1-$$
$$65536u_6u_5^2u_2^{30}u_1^{16}x_5+$$
$$(262144u_6^2u_2^{29}u_1^{18} - 131072u_6^2u_2^{29}u_1^{17})x_4x_1$$

S-pol added.

1118. Creating S-polynomial from the pair (p_4, p_{108}).

Forming S-pol of p_4 and p_{108}:

$$p_{1634} = 131072u_3^{31}u_1^{17}x_5^2x_4+$$
$$(131072u_5^2u_3^{29}u_1^{17} - 65536u_5^2u_3^{29}u_1^{16})x_5^2x_2-$$
$$65536u_5^2u_3^{31}u_1^{16}x_5^2+$$
$$(-131072u_6u_3^{30}u_1^{17} - 524288u_3^{29}u_1^{19} + 262144u_3^{29}u_1^{18})x_5x_4x_2+$$
$$131072u_6u_3^{30}u_1^{17}x_5x_4 + 65536u_6u_5^2u_3^{30}u_1^{16}x_5x_2-$$
$$65536u_6u_5^2u_3^{30}u_1^{16}x_5+$$
$$(262144u_6^2u_3^{29}u_1^{18} - 131072u_6^2u_3^{29}u_1^{17})x_4x_2$$

S-pol added.

1119. Creating S-polynomial from the pair (p_4, p_{109}).

Forming S-pol of p_4 and p_{109}:

$$p_{1635} = 131072u_4^{31}u_1^{17}x_5^2x_4+$$
$$(131072u_5^2u_4^{29}u_1^{17} - 65536u_5^2u_4^{29}u_1^{16})x_5^2x_3-$$
$$65536u_5^2u_4^{31}u_1^{16}x_5^2+$$
$$(-131072u_6u_4^{30}u_1^{17} - 524288u_4^{29}u_1^{19} + 262144u_4^{29}u_1^{18})x_5x_4x_3+$$
$$131072u_6u_4^{30}u_1^{17}x_5x_4 + 65536u_6u_5^2u_4^{30}u_1^{16}x_5x_3-$$
$$65536u_6u_5^2u_4^{30}u_1^{16}x_5+$$
$$(262144u_6^2u_4^{29}u_1^{18} - 131072u_6^2u_4^{29}u_1^{17})x_4x_3$$

S-pol added.

1120. Creating S-polynomial from the pair (p_4, p_{110}).

Forming S-pol of p_4 and p_{110}:

$$p_{1636} = 65536u_3^{30}u_1^{16}x_5^2x_4+$$
$$(65536u_5^2u_3^{28}u_1^{16} - 32768u_5^2u_3^{28}u_1^{15})x_5^2x_2-$$
$$32768u_5^2u_3^{30}u_1^{15}x_5^2+$$
$$(-65536u_6u_3^{29}u_1^{16} - 262144u_3^{28}u_1^{18} + 131072u_3^{28}u_1^{17})x_5x_4x_2+$$
$$65536u_6u_3^{29}u_1^{16}x_5x_4 + 32768u_6u_5^2u_3^{29}u_1^{15}x_5x_2-$$
$$32768u_6u_5^2u_3^{29}u_1^{15}x_5+$$
$$(131072u_6^2u_3^{28}u_1^{17} - 65536u_6^2u_3^{28}u_1^{16})x_4x_2$$

S-pol added.

1121. Creating S-polynomial from the pair (p_4, p_{111}).

Forming S-pol of p_4 and p_{111}:

$$p_{1637} = 65536u_2^{30}u_1^{16}x_5^2x_4+$$
$$(65536u_5^2u_2^{28}u_1^{16} - 32768u_5^2u_2^{28}u_1^{15})x_5^2x_1-$$
$$32768u_5^2u_2^{30}u_1^{15}x_5^2+$$
$$(-65536u_6u_2^{29}u_1^{16} - 262144u_2^{28}u_1^{18} + 131072u_2^{28}u_1^{17})x_5x_4x_1+$$
$$65536u_6u_2^{29}u_1^{16}x_5x_4 + 32768u_6u_5^2u_2^{29}u_1^{15}x_5x_1-$$
$$32768u_6u_5^2u_2^{29}u_1^{15}x_5+$$
$$(131072u_6^2u_2^{28}u_1^{17} - 65536u_6^2u_2^{28}u_1^{16})x_4x_1$$

S-pol added.

1122. Creating S-polynomial from the pair (p_4, p_{112}).

Forming S-pol of p_4 and p_{112}:

$$p_{1638} = 65536u_4^{30}u_1^{16}x_5^2x_4+$$
$$(65536u_5^2u_4^{28}u_1^{16} - 32768u_5^2u_4^{28}u_1^{15})x_5^2x_3-$$
$$32768u_5^2u_4^{30}u_1^{15}x_5^2+$$
$$(-65536u_6u_4^{29}u_1^{16} - 262144u_4^{28}u_1^{18} + 131072u_4^{28}u_1^{17})x_5x_4x_3+$$
$$65536u_6u_4^{29}u_1^{16}x_5x_4 + 32768u_6u_5^2u_4^{29}u_1^{15}x_5x_3-$$
$$32768u_6u_5^2u_4^{29}u_1^{15}x_5+$$
$$(131072u_6^2u_4^{28}u_1^{17} - 65536u_6^2u_4^{28}u_1^{16})x_4x_3$$

S-pol added.

1123. Creating S-polynomial from the pair (p_4, p_{113}).

Forming S-pol of p_4 and p_{113}:

$$p_{1639} = (524288u_2^{27}u_1^{19} - 262144u_2^{27}u_1^{18})x_5^2x_4+$$
$$(-524288u_6u_2^{26}u_1^{19} + 262144u_6u_2^{26}u_1^{18} + 524288u_2^{27}u_1^{19} - 2097152u_2^{25}u_1^{21}+$$
$$1048576u_2^{25}u_1^{20})x_5x_4x_1 + 262144u_6u_2^{28}u_1^{18}x_5x_4+$$
$$(-262144u_6^2u_2^{27}u_1^{18} + 1048576u_6^2u_2^{25}u_1^{20} - 524288u_6^2u_2^{25}u_1^{19})x_4x_1$$

S-pol added.

1124. Creating S-polynomial from the pair (p_4, p_{114}).

Forming S-pol of p_4 and p_{114}:

$$p_{1640} = (262144u_2^{26}u_1^{18} - 131072u_2^{26}u_1^{17})x_5^2x_4+$$
$$(-262144u_6u_2^{25}u_1^{18} + 131072u_6u_2^{25}u_1^{17} + 262144u_2^{26}u_1^{18} - 1048576u_2^{24}u_1^{20}+$$
$$524288u_2^{24}u_1^{19})x_5x_4x_1 + 131072u_6u_2^{27}u_1^{17}x_5x_4+$$
$$(-131072u_6^2u_2^{26}u_1^{17} + 524288u_6^2u_2^{24}u_1^{19} - 262144u_6^2u_2^{24}u_1^{18})x_4x_1$$

S-pol added.

1125. Creating S-polynomial from the pair (p_4, p_{115}).

Forming S-pol of p_4 and p_{115}:

$$p_{1641} = (524288u_3^{27}u_1^{19} - 262144u_3^{27}u_1^{18})x_5^2x_4+$$
$$(-524288u_6u_3^{26}u_1^{19} + 262144u_6u_3^{26}u_1^{18} + 524288u_3^{27}u_1^{19} - 2097152u_3^{25}u_1^{21}+$$
$$1048576u_3^{25}u_1^{20})x_5x_4x_2 + 262144u_6u_3^{28}u_1^{18}x_5x_4+$$
$$(-262144u_6^2u_3^{27}u_1^{18} + 1048576u_6^2u_3^{25}u_1^{20} - 524288u_6^2u_3^{25}u_1^{19})x_4x_2$$

S-pol added.

1126. Creating S-polynomial from the pair (p_4, p_{116}).

Forming S-pol of p_4 and p_{116}:

$$p_{1642} = (262144u_3^{26}u_1^{18} - 131072u_3^{26}u_1^{17})x_5^2x_4+$$
$$(-262144u_6u_3^{25}u_1^{18} + 131072u_6u_3^{25}u_1^{17} + 262144u_3^{26}u_1^{18} - 1048576u_3^{24}u_1^{20}+$$
$$524288u_3^{24}u_1^{19})x_5x_4x_2 + 131072u_6u_3^{27}u_1^{17}x_5x_4+$$
$$(-131072u_6^2u_3^{26}u_1^{17} + 524288u_6^2u_3^{24}u_1^{19} - 262144u_6^2u_3^{24}u_1^{18})x_4x_2$$

S-pol added.

1127. Creating S-polynomial from the pair (p_4, p_{117}).

Forming S-pol of p_4 and p_{117}:

$$p_{1643} = (524288u_4^{27}u_1^{19} - 262144u_4^{27}u_1^{18})x_5^2x_4+$$
$$(-524288u_6u_4^{26}u_1^{19} + 262144u_6u_4^{26}u_1^{18} + 524288u_4^{27}u_1^{19} - 2097152u_4^{25}u_1^{21}+$$
$$1048576u_4^{25}u_1^{20})x_5x_4x_3 + 262144u_6u_4^{28}u_1^{18}x_5x_4+$$
$$(-262144u_6^2u_4^{27}u_1^{18} + 1048576u_6^2u_4^{25}u_1^{20} - 524288u_6^2u_4^{25}u_1^{19})x_4x_3$$

S-pol added.

1128. Creating S-polynomial from the pair (p_4, p_{118}).

Forming S-pol of p_4 and p_{118}:

$$p_{1644} = (262144u_4^{26}u_1^{18} - 131072u_4^{26}u_1^{17})x_5^2x_4+$$
$$(-262144u_6u_4^{25}u_1^{18} + 131072u_6u_4^{25}u_1^{17} + 262144u_4^{26}u_1^{18} - 1048576u_4^{24}u_1^{20}+$$
$$524288u_4^{24}u_1^{19})x_5x_4x_3 + 131072u_6u_4^{27}u_1^{17}x_5x_4+$$
$$(-131072u_6^2u_4^{26}u_1^{17} + 524288u_6^2u_4^{24}u_1^{19} - 262144u_6^2u_4^{24}u_1^{18})x_4x_3$$

S-pol added.

1129. Creating S-polynomial from the pair (p_4, p_{119}).

Forming S-pol of p_4 and p_{119}: Polynomial too big for output (text size is 2231 characters, number of terms is 8)

S-pol added.

1130. Creating S-polynomial from the pair (p_4, p_{120}).

Forming S-pol of p_4 and p_{120}: Polynomial too big for output (text size is 1325 characters, number of terms is 8)

S-pol added.

1131. Creating S-polynomial from the pair (p_4, p_{121}).

Forming S-pol of p_4 and p_{121}: Polynomial too big for output (text size is 1107 characters, number of terms is 8)

S-pol added.

1132. Creating S-polynomial from the pair (p_4, p_{122}).

Forming S-pol of p_4 and p_{122}:

$$p_{1645} = (-134217728u_3^{45}u_1^{27} + 67108864u_3^{45}u_1^{26})x_5^2x_4+$$
$$(33554432u_5^2u_3^{45}u_1^{25} - 134217728u_5^2u_3^{43}u_1^{27}+$$
$$67108864u_5^2u_3^{43}u_1^{26})x_5^2x_2+$$
$$(67108864u_5^2u_3^{45}u_1^{26} - 33554432u_5^2u_3^{45}u_1^{25})x_5^2+$$
$$(134217728u_6u_3^{44}u_1^{27} - 67108864u_6u_3^{44}u_1^{26} - 134217728u_3^{45}u_1^{27}+$$
$$536870912u_3^{43}u_1^{29} - 268435456u_3^{43}u_1^{28})x_5x_4x_2 - 67108864u_6u_3^{46}u_1^{26}x_5x_4+$$
$$(-67108864u_6u_5^2u_3^{44}u_1^{26} + 33554432u_6u_5^2u_3^{44}u_1^{25})x_5x_2+$$
$$33554432u_6u_5^2u_3^{46}u_1^{25}x_5+$$
$$(67108864u_6^2u_3^{45}u_1^{26} - 268435456u_6^2u_3^{43}u_1^{28}+$$
$$134217728u_6^2u_3^{43}u_1^{27})x_4x_2$$

S-pol added.

1133. Creating S-polynomial from the pair (p_4, p_{123}).

Forming S-pol of p_4 and p_{123}: Polynomial too big for output (text size is 1035 characters, number of terms is 8)

S-pol added.

1134. Creating S-polynomial from the pair (p_4, p_{124}).

Forming S-pol of p_4 and p_{124}: Polynomial too big for output (text size is 1185 characters, number of terms is 8)

S-pol added.

1135. Creating S-polynomial from the pair (p_4, p_{125}).

Forming S-pol of p_4 and p_{125}:

$$p_{1646} = (-16777216u_3^{43}u_1^{24} + 8388608u_3^{43}u_1^{23})x_5^2x_4+$$
$$(4194304u_5^2u_3^{43}u_1^{22} - 16777216u_5^2u_3^{41}u_1^{24}+$$
$$8388608u_5^2u_3^{41}u_1^{23})x_5^2x_2+$$
$$(8388608u_5^2u_3^{43}u_1^{23} - 4194304u_5^2u_3^{43}u_1^{22})x_5^2+$$
$$(16777216u_6u_3^{42}u_1^{24} - 8388608u_6u_3^{42}u_1^{23} - 16777216u_3^{43}u_1^{24}+$$
$$67108864u_3^{41}u_1^{26} - 33554432u_3^{41}u_1^{25})x_5x_4x_2 - 8388608u_6u_3^{44}u_1^{23}x_5x_4+$$
$$(-8388608u_6u_5^2u_3^{42}u_1^{23} + 4194304u_6u_5^2u_3^{42}u_1^{22})x_5x_2+$$
$$4194304u_6u_5^2u_3^{44}u_1^{22}x_5+$$
$$(8388608u_6^2u_3^{43}u_1^{23} - 33554432u_6^2u_3^{41}u_1^{25}+$$
$$16777216u_6^2u_3^{41}u_1^{24})x_4x_2$$

S-pol added.

1136. Creating S-polynomial from the pair (p_4, p_{126}).

Forming S-pol of p_4 and p_{126}: Polynomial too big for output (text size is 1102 characters, number of terms is 8)

S-pol added.

1137. Creating S-polynomial from the pair (p_4, p_{127}).

Forming S-pol of p_4 and p_{127}: Polynomial too big for output (text size is 1027 characters, number of terms is 8)

S-pol added.

1138. Creating S-polynomial from the pair (p_4, p_{128}).

Forming S-pol of p_4 and p_{128}:

$$p_{1647} = (-65536u_3^{20}u_1^{16} + 32768u_3^{20}u_1^{15})x_5^2x_4+$$

$$(65536u_6u_3^{19}u_1^{16} - 32768u_6u_3^{19}u_1^{15} - 65536u_3^{20}u_1^{16} + 262144u_3^{18}u_1^{18}-$$

$$131072u_3^{18}u_1^{17})x_5x_4x_2 - 32768u_6u_3^{21}u_1^{15}x_5x_4+$$

$$(32768u_6^2u_3^{20}u_1^{15} - 131072u_6^2u_3^{18}u_1^{17} + 65536u_6^2u_3^{18}u_1^{16})x_4x_2$$

S-pol added.

1139. Creating S-polynomial from the pair (p_4, p_{129}).

Forming S-pol of p_4 and p_{129}:

$$p_{1648} = (-32768u_3^{19}u_1^{15} + 16384u_3^{19}u_1^{14})x_5^2x_4+$$

$$(32768u_6u_3^{18}u_1^{15} - 16384u_6u_3^{18}u_1^{14} - 32768u_3^{19}u_1^{15} + 131072u_3^{17}u_1^{17}-$$

$$65536u_3^{17}u_1^{16})x_5x_4x_2 - 16384u_6u_3^{20}u_1^{14}x_5x_4+$$

$$(16384u_6^2u_3^{19}u_1^{14} - 65536u_6^2u_3^{17}u_1^{16} + 32768u_6^2u_3^{17}u_1^{15})x_4x_2$$

S-pol added.

1140. Creating S-polynomial from the pair (p_4, p_{130}).

Forming S-pol of p_4 and p_{130}: Polynomial too big for output (text size is 2231 characters, number of terms is 8)

S-pol added.

1141. Creating S-polynomial from the pair (p_4, p_{131}).

Forming S-pol of p_4 and p_{131}: Polynomial too big for output (text size is 1325 characters, number of terms is 8)

S-pol added.

1142. Creating S-polynomial from the pair (p_4, p_{132}).

Forming S-pol of p_4 and p_{132}:

$$p_{1649} = (-134217728u_2^{45}u_1^{27} + 67108864u_2^{45}u_1^{26})x_5^2x_4+$$

$$(33554432u_5^2u_2^{45}u_1^{25} - 134217728u_5^2u_2^{43}u_1^{27}+$$

$$67108864u_5^2u_2^{43}u_1^{26})x_5^2x_1+$$
$$(67108864u_5^2u_2^{45}u_1^{26}-33554432u_5^2u_2^{45}u_1^{25})x_5^2+$$
$$(134217728u_6u_2^{44}u_1^{27}-67108864u_6u_2^{44}u_1^{26}-134217728u_2^{45}u_1^{27}+$$
$$536870912u_2^{43}u_1^{29}-268435456u_2^{43}u_1^{28})x_5x_4x_1-67108864u_6u_2^{46}u_1^{26}x_5x_4+$$
$$(-67108864u_6u_5^2u_2^{44}u_1^{26}+33554432u_6u_5^2u_2^{44}u_1^{25})x_5x_1+$$
$$33554432u_6u_5^2u_2^{46}u_1^{25}x_5+$$
$$(67108864u_6^2u_2^{45}u_1^{26}-268435456u_6^2u_2^{43}u_1^{28}+$$
$$134217728u_6^2u_2^{43}u_1^{27})x_4x_1$$

S-pol added.

1143. Creating S-polynomial from the pair (p_4, p_{133}).

Forming S-pol of p_4 and p_{133}: Polynomial too big for output (text size is 1035 characters, number of terms is 8)

S-pol added.

1144. Creating S-polynomial from the pair (p_4, p_{134}).

Forming S-pol of p_4 and p_{134}: Polynomial too big for output (text size is 1035 characters, number of terms is 8)

S-pol added.

1145. Creating S-polynomial from the pair (p_4, p_{135}).

Forming S-pol of p_4 and p_{135}: Polynomial too big for output (text size is 1027 characters, number of terms is 8)

S-pol added.

1146. Creating S-polynomial from the pair (p_4, p_{136}).

Forming S-pol of p_4 and p_{136}: Polynomial too big for output (text size is 1185 characters, number of terms is 8)

S-pol added.

1147. Creating S-polynomial from the pair (p_4, p_{137}).

Forming S-pol of p_4 and p_{137}:

$$p_{1650}=(-16777216u_2^{43}u_1^{24}+8388608u_2^{43}u_1^{23})x_5^2x_4+$$
$$(4194304u_5^2u_2^{43}u_1^{22}-16777216u_5^2u_2^{41}u_1^{24}+$$
$$8388608u_5^2u_2^{41}u_1^{23})x_5^2x_1+$$
$$(8388608u_5^2u_2^{43}u_1^{23}-4194304u_5^2u_2^{43}u_1^{22})x_5^2+$$
$$(16777216u_6u_2^{42}u_1^{24}-8388608u_6u_2^{42}u_1^{23}-16777216u_2^{43}u_1^{24}+$$
$$67108864u_2^{41}u_1^{26}-33554432u_2^{41}u_1^{25})x_5x_4x_1-8388608u_6u_2^{44}u_1^{23}x_5x_4+$$
$$(-8388608u_6u_5^2u_2^{42}u_1^{23}+4194304u_6u_5^2u_2^{42}u_1^{22})x_5x_1+$$
$$4194304u_6u_5^2u_2^{44}u_1^{22}x_5+$$
$$(8388608u_6^2u_2^{43}u_1^{23}-33554432u_6^2u_2^{41}u_1^{25}+$$
$$16777216u_6^2u_2^{41}u_1^{24})x_4x_1$$

S-pol added.

1148. Creating S-polynomial from the pair (p_4, p_{138}).

Forming S-pol of p_4 and p_{138}: Polynomial too big for output (text size is 1027 characters, number of terms is 8)

S-pol added.

1149. Creating S-polynomial from the pair (p_4, p_{139}).

Forming S-pol of p_4 and p_{139}:

$$p_{1651} = (-65536u_2^{20}u_1^{16} + 32768u_2^{20}u_1^{15})x_5^2x_4+$$
$$(65536u_6u_2^{19}u_1^{16} - 32768u_6u_2^{19}u_1^{15} - 65536u_2^{20}u_1^{16} + 262144u_2^{18}u_1^{18}-$$
$$131072u_2^{18}u_1^{17})x_5x_4x_1 - 32768u_6u_2^{21}u_1^{15}x_5x_4+$$
$$(32768u_6^2u_2^{20}u_1^{15} - 131072u_6^2u_2^{18}u_1^{17} + 65536u_6^2u_2^{18}u_1^{16})x_4x_1$$

S-pol added.

1150. Creating S-polynomial from the pair (p_4, p_{140}).

Forming S-pol of p_4 and p_{140}:

$$p_{1652} = (-32768u_2^{19}u_1^{15} + 16384u_2^{19}u_1^{14})x_5^2x_4+$$
$$(32768u_6u_2^{18}u_1^{15} - 16384u_6u_2^{18}u_1^{14} - 32768u_2^{19}u_1^{15} + 131072u_2^{17}u_1^{17}-$$
$$65536u_2^{17}u_1^{16})x_5x_4x_1 - 16384u_6u_2^{20}u_1^{14}x_5x_4+$$
$$(16384u_6^2u_2^{19}u_1^{14} - 65536u_6^2u_2^{17}u_1^{16} + 32768u_6^2u_2^{17}u_1^{15})x_4x_1$$

S-pol added.

1151. Creating S-polynomial from the pair (p_4, p_{141}).

Forming S-pol of p_4 and p_{141}: Polynomial too big for output (text size is 2231 characters, number of terms is 8)

S-pol added.

1152. Creating S-polynomial from the pair (p_4, p_{142}).

Forming S-pol of p_4 and p_{142}: Polynomial too big for output (text size is 1325 characters, number of terms is 8)

S-pol added.

1153. Creating S-polynomial from the pair (p_4, p_{143}).

Forming S-pol of p_4 and p_{143}: Polynomial too big for output (text size is 1107 characters, number of terms is 8)

S-pol added.

1154. Creating S-polynomial from the pair (p_4, p_{144}).

Forming S-pol of p_4 and p_{144}: Polynomial too big for output (text size is 1107 characters, number of terms is 8)

S-pol added.

1155. Creating S-polynomial from the pair (p_4, p_{145}).

Forming S-pol of p_4 and p_{145}:

$$p_{1653} = (-134217728u_4^{45}u_1^{27} + 67108864u_4^{45}u_1^{26})x_5^2x_4+$$
$$(33554432u_5^2u_4^{45}u_1^{25} - 134217728u_5^2u_4^{43}u_1^{27}+$$
$$67108864u_5^2u_4^{43}u_1^{26})x_5^2x_3+$$
$$(67108864u_5^2u_4^{45}u_1^{26} - 33554432u_5^2u_4^{45}u_1^{25})x_5^2+$$
$$(134217728u_6u_4^{44}u_1^{27} - 67108864u_6u_4^{44}u_1^{26} - 134217728u_4^{45}u_1^{27}+$$
$$536870912u_4^{43}u_1^{29} - 268435456u_4^{43}u_1^{28})x_5x_4x_3 - 67108864u_6u_4^{46}u_1^{26}x_5x_4+$$
$$(-67108864u_6u_5^2u_4^{44}u_1^{26} + 33554432u_6u_5^2u_4^{44}u_1^{25})x_5x_3+$$
$$33554432u_6u_5^2u_4^{46}u_1^{25}x_5+$$
$$(67108864u_6^2u_4^{45}u_1^{26} - 268435456u_6^2u_4^{43}u_1^{28}+$$
$$134217728u_6^2u_4^{43}u_1^{27})x_4x_3$$

S-pol added.

1156. Creating S-polynomial from the pair (p_4, p_{146}).

Forming S-pol of p_4 and p_{146}: Polynomial too big for output (text size is 1102 characters, number of terms is 8)

S-pol added.

1157. Creating S-polynomial from the pair (p_4, p_{147}).

Forming S-pol of p_4 and p_{147}: Polynomial too big for output (text size is 1102 characters, number of terms is 8)

S-pol added.

1158. Creating S-polynomial from the pair (p_4, p_{148}).

Forming S-pol of p_4 and p_{148}: Polynomial too big for output (text size is 1185 characters, number of terms is 8)

S-pol added.

1159. Creating S-polynomial from the pair (p_4, p_{149}).

Forming S-pol of p_4 and p_{149}:

$$p_{1654} = (-16777216u_4^{43}u_1^{24} + 8388608u_4^{43}u_1^{23})x_5^2x_4+$$
$$(4194304u_5^2u_4^{43}u_1^{22} - 16777216u_5^2u_4^{41}u_1^{24}+$$
$$8388608u_5^2u_4^{41}u_1^{23})x_5^2x_3+$$
$$(8388608u_5^2u_4^{43}u_1^{23} - 4194304u_5^2u_4^{43}u_1^{22})x_5^2+$$
$$(16777216u_6u_4^{42}u_1^{24} - 8388608u_6u_4^{42}u_1^{23} - 16777216u_4^{43}u_1^{24}+$$
$$67108864u_4^{41}u_1^{26} - 33554432u_4^{41}u_1^{25})x_5x_4x_3 - 8388608u_6u_4^{44}u_1^{23}x_5x_4+$$
$$(-8388608u_6u_5^2u_4^{42}u_1^{23} + 4194304u_6u_5^2u_4^{42}u_1^{22})x_5x_3+$$
$$4194304u_6u_5^2u_4^{44}u_1^{22}x_5+$$
$$(8388608u_6^2u_4^{43}u_1^{23} - 33554432u_6^2u_4^{41}u_1^{25}+$$
$$16777216u_6^2u_4^{41}u_1^{24})x_4x_3$$

S-pol added.

1160. Creating S-polynomial from the pair (p_4, p_{150}).

Forming S-pol of p_4 and p_{150}:

$$p_{1655} = (-65536u_4^{20}u_1^{16} + 32768u_4^{20}u_1^{15})x_5^2x_4+$$
$$(65536u_6u_4^{19}u_1^{16} - 32768u_6u_4^{19}u_1^{15} - 65536u_4^{20}u_1^{16} + 262144u_4^{18}u_1^{18}-$$
$$131072u_4^{18}u_1^{17})x_5x_4x_3 - 32768u_6u_4^{21}u_1^{15}x_5x_4+$$
$$(32768u_6^2u_4^{20}u_1^{15} - 131072u_6^2u_4^{18}u_1^{17} + 65536u_6^2u_4^{18}u_1^{16})x_4x_3$$

S-pol added.

1161. Creating S-polynomial from the pair (p_4, p_{151}).

Forming S-pol of p_4 and p_{151}:

$$p_{1656} = (-32768u_4^{19}u_1^{15} + 16384u_4^{19}u_1^{14})x_5^2x_4+$$
$$(32768u_6u_4^{18}u_1^{15} - 16384u_6u_4^{18}u_1^{14} - 32768u_4^{19}u_1^{15} + 131072u_4^{17}u_1^{17}-$$
$$65536u_4^{17}u_1^{16})x_5x_4x_3 - 16384u_6u_4^{20}u_1^{14}x_5x_4+$$
$$(16384u_6^2u_4^{19}u_1^{14} - 65536u_6^2u_4^{17}u_1^{16} + 32768u_6^2u_4^{17}u_1^{15})x_4x_3$$

S-pol added.

1162. Creating S-polynomial from the pair (p_4, p_{152}).

Forming S-pol of p_4 and p_{152}:

$$p_{1657} = 16384u_2^{25}u_1^{14}x_5^2x_4+$$
$$(-16384u_6u_2^{24}u_1^{14} - 65536u_2^{23}u_1^{16} + 32768u_2^{23}u_1^{15})x_5x_4x_1+$$
$$16384u_6u_2^{24}u_1^{14}x_5x_4+$$
$$(32768u_6^2u_2^{23}u_1^{15} - 16384u_6^2u_2^{23}u_1^{14})x_4x_1$$

S-pol added.

1163. Creating S-polynomial from the pair (p_4, p_{153}).

Forming S-pol of p_4 and p_{153}:

$$p_{1658} = 8192u_2^{24}u_1^{13}x_5^2x_4+$$
$$(-8192u_6u_2^{23}u_1^{13} - 32768u_2^{22}u_1^{15} + 16384u_2^{22}u_1^{14})x_5x_4x_1+$$
$$8192u_6u_2^{23}u_1^{13}x_5x_4 + (16384u_6^2u_2^{22}u_1^{14} - 8192u_6^2u_2^{22}u_1^{13})x_4x_1$$

S-pol added.

1164. Creating S-polynomial from the pair (p_4, p_{154}).

Forming S-pol of p_4 and p_{154}: Polynomial too big for output (text size is 2649 characters, number of terms is 8)

S-pol added.

1165. Creating S-polynomial from the pair (p_4, p_{155}).

Forming S-pol of p_4 and p_{155}: Polynomial too big for output (text size is 1617 characters, number of terms is 8)

S-pol added.

1166. Creating S-polynomial from the pair (p_4, p_{156}).

Forming S-pol of p_4 and p_{156}:

$$p_{1659} = -1048576u_2^{32}u_1^{20}x_5^2x_4+$$
$$(-1048576u_5^2u_2^{30}u_1^{20} + 524288u_5^2u_2^{30}u_1^{19})x_5^2x_1+$$
$$524288u_5^2u_2^{32}u_1^{19}x_5^2+$$
$$(1048576u_6u_2^{31}u_1^{20} + 4194304u_2^{30}u_1^{22} - 2097152u_2^{30}u_1^{21})x_5x_4x_1-$$
$$1048576u_6u_2^{31}u_1^{20}x_5x_4 - 524288u_6u_5^2u_2^{31}u_1^{19}x_5x_1+$$
$$524288u_6u_5^2u_2^{31}u_1^{19}x_5+$$
$$(-2097152u_6^2u_2^{30}u_1^{21} + 1048576u_6^2u_2^{30}u_1^{20})x_4x_1$$

S-pol added.

1167. Creating S-polynomial from the pair (p_4, p_{157}).

Forming S-pol of p_4 and p_{157}: Polynomial too big for output (text size is 1162 characters, number of terms is 8)

S-pol added.

1168. Creating S-polynomial from the pair (p_4, p_{158}).

Forming S-pol of p_4 and p_{158}: Polynomial too big for output (text size is 1162 characters, number of terms is 8)

S-pol added.

1169. Creating S-polynomial from the pair (p_4, p_{159}).

Forming S-pol of p_4 and p_{159}: Polynomial too big for output (text size is 1154 characters, number of terms is 8)

S-pol added.

1170. Creating S-polynomial from the pair (p_4, p_{160}).

Forming S-pol of p_4 and p_{160}: Polynomial too big for output (text size is 1525 characters, number of terms is 8)

S-pol added.

1171. Creating S-polynomial from the pair (p_4, p_{161}).

Forming S-pol of p_4 and p_{161}:

$$p_{1660} = -131072u_2^{25}u_1^{17}x_5^2x_4+$$
$$(-131072u_5^2u_2^{23}u_1^{17} + 65536u_5^2u_2^{23}u_1^{16})x_5^2x_1+$$
$$65536u_5^2u_2^{25}u_1^{16}x_5^2+$$

$$(131072u_6u_2^{24}u_1^{17} + 524288u_2^{23}u_1^{19} - 262144u_2^{23}u_1^{18})x_5x_4x_1 -$$
$$131072u_6u_2^{24}u_1^{17}x_5x_4 - 65536u_6u_5^2u_2^{24}u_1^{16}x_5x_1 +$$
$$65536u_6u_5^2u_2^{24}u_1^{16}x_5 +$$
$$(-262144u_6^2u_2^{23}u_1^{18} + 131072u_6^2u_2^{23}u_1^{17})x_4x_1$$

S-pol added.

1172. Creating S-polynomial from the pair (p_4, p_{162}).

Forming S-pol of p_4 and p_{162}: Polynomial too big for output (text size is 1154 characters, number of terms is 8)

S-pol added.

1173. Creating S-polynomial from the pair (p_4, p_{163}).

Forming S-pol of p_4 and p_{163}:

$$p_{1661} = 16384u_3^{25}u_1^{14}x_5^2x_4 +$$
$$(-16384u_6u_3^{24}u_1^{14} - 65536u_3^{23}u_1^{16} + 32768u_3^{23}u_1^{15})x_5x_4x_2 +$$
$$16384u_6u_3^{24}u_1^{14}x_5x_4 +$$
$$(32768u_6^2u_3^{23}u_1^{15} - 16384u_6^2u_3^{23}u_1^{14})x_4x_2$$

S-pol added.

1174. Creating S-polynomial from the pair (p_4, p_{164}).

Forming S-pol of p_4 and p_{164}:

$$p_{1662} = 8192u_3^{24}u_1^{13}x_5^2x_4 +$$
$$(-8192u_6u_3^{23}u_1^{13} - 32768u_3^{22}u_1^{15} + 16384u_3^{22}u_1^{14})x_5x_4x_2 +$$
$$8192u_6u_3^{23}u_1^{13}x_5x_4 + (16384u_6^2u_3^{22}u_1^{14} - 8192u_6^2u_3^{22}u_1^{13})x_4x_2$$

S-pol added.

1175. Creating S-polynomial from the pair (p_4, p_{165}).

Forming S-pol of p_4 and p_{165}: Polynomial too big for output (text size is 2649 characters, number of terms is 8)

S-pol added.

1176. Creating S-polynomial from the pair (p_4, p_{166}).

Forming S-pol of p_4 and p_{166}: Polynomial too big for output (text size is 1617 characters, number of terms is 8)

S-pol added.

1177. Creating S-polynomial from the pair (p_4, p_{167}).

Forming S-pol of p_4 and p_{167}: Polynomial too big for output (text size is 1146 characters, number of terms is 8)

S-pol added.

1178. Creating S-polynomial from the pair (p_4, p_{168}).

Forming S-pol of p_4 and p_{168}:

$$p_{1663} = -1048576u_3^{32}u_1^{20}x_5^2x_4+$$
$$(-1048576u_5^2u_3^{30}u_1^{20} + 524288u_5^2u_3^{30}u_1^{19})x_5^2x_2+$$
$$524288u_5^2u_3^{32}u_1^{19}x_5^2+$$
$$(1048576u_6u_3^{31}u_1^{20} + 4194304u_3^{30}u_1^{22} - 2097152u_3^{30}u_1^{21})x_5x_4x_2-$$
$$1048576u_6u_3^{31}u_1^{20}x_5x_4 - 524288u_6u_5^2u_3^{31}u_1^{19}x_5x_2+$$
$$524288u_6u_5^2u_3^{31}u_1^{19}x_5+$$
$$(-2097152u_6^2u_3^{30}u_1^{21} + 1048576u_6^2u_3^{30}u_1^{20})x_4x_2$$

S-pol added.

1179. Creating S-polynomial from the pair (p_4, p_{169}).

Forming S-pol of p_4 and p_{169}: Polynomial too big for output (text size is 1162 characters, number of terms is 8)

S-pol added.

1180. Creating S-polynomial from the pair (p_4, p_{170}).

Forming S-pol of p_4 and p_{170}: Polynomial too big for output (text size is 1525 characters, number of terms is 8)

S-pol added.

1181. Creating S-polynomial from the pair (p_4, p_{171}).

Forming S-pol of p_4 and p_{171}:

$$p_{1664} = -131072u_3^{25}u_1^{17}x_5^2x_4+$$
$$(-131072u_5^2u_3^{23}u_1^{17} + 65536u_5^2u_3^{23}u_1^{16})x_5^2x_2+$$
$$65536u_5^2u_3^{25}u_1^{16}x_5^2+$$
$$(131072u_6u_3^{24}u_1^{17} + 524288u_3^{23}u_1^{19} - 262144u_3^{23}u_1^{18})x_5x_4x_2-$$
$$131072u_6u_3^{24}u_1^{17}x_5x_4 - 65536u_6u_5^2u_3^{24}u_1^{16}x_5x_2+$$
$$65536u_6u_5^2u_3^{24}u_1^{16}x_5+$$
$$(-262144u_6^2u_3^{23}u_1^{18} + 131072u_6^2u_3^{23}u_1^{17})x_4x_2$$

S-pol added.

1182. Creating S-polynomial from the pair (p_4, p_{172}).

Forming S-pol of p_4 and p_{172}: Polynomial too big for output (text size is 1143 characters, number of terms is 8)

S-pol added.

1183. Creating S-polynomial from the pair (p_4, p_{173}).

Forming S-pol of p_4 and p_{173}: Polynomial too big for output (text size is 1154 characters, number of terms is 8)

S-pol added.

1184. Creating S-polynomial from the pair (p_4, p_{174}).

Forming S-pol of p_4 and p_{174}:

$$p_{1665} = 16384u_4^{25}u_1^{14}x_5^2x_4+$$
$$(-16384u_6u_4^{24}u_1^{14} - 65536u_4^{23}u_1^{16} + 32768u_4^{23}u_1^{15})x_5x_4x_3+$$
$$16384u_6u_4^{24}u_1^{14}x_5x_4+$$
$$(32768u_6^2u_4^{23}u_1^{15} - 16384u_6^2u_4^{23}u_1^{14})x_4x_3$$

S-pol added.

1185. Creating S-polynomial from the pair (p_4, p_{175}).

Forming S-pol of p_4 and p_{175}:

$$p_{1666} = 8192u_4^{24}u_1^{13}x_5^2x_4+$$
$$(-8192u_6u_4^{23}u_1^{13} - 32768u_4^{22}u_1^{15} + 16384u_4^{22}u_1^{14})x_5x_4x_3+$$
$$8192u_6u_4^{23}u_1^{13}x_5x_4 + (16384u_6^2u_4^{22}u_1^{14} - 8192u_6^2u_4^{22}u_1^{13})x_4x_3$$

S-pol added.

1186. Creating S-polynomial from the pair (p_4, p_{176}).

Forming S-pol of p_4 and p_{176}: Polynomial too big for output (text size is 2649 characters, number of terms is 8)

S-pol added.

1187. Creating S-polynomial from the pair (p_4, p_{177}).

Forming S-pol of p_4 and p_{177}: Polynomial too big for output (text size is 1617 characters, number of terms is 8)

S-pol added.

1188. Creating S-polynomial from the pair (p_4, p_{178}).

Forming S-pol of p_4 and p_{178}: Polynomial too big for output (text size is 1146 characters, number of terms is 8)

S-pol added.

1189. Creating S-polynomial from the pair (p_4, p_{179}).

Forming S-pol of p_4 and p_{179}: Polynomial too big for output (text size is 1146 characters, number of terms is 8)

S-pol added.

1190. Creating S-polynomial from the pair (p_4, p_{180}).

Forming S-pol of p_4 and p_{180}:

$$p_{1667} = -1048576u_4^{32}u_1^{20}x_5^2x_4+$$
$$(-1048576u_5^2u_4^{30}u_1^{20} + 524288u_5^2u_4^{30}u_1^{19})x_5^2x_3+$$
$$524288u_5^2u_4^{32}u_1^{19}x_5^2+$$

$$(1048576u_6u_4^{31}u_1^{20} + 4194304u_4^{30}u_1^{22} - 2097152u_4^{30}u_1^{21})x_5x_4x_3-$$
$$1048576u_6u_4^{31}u_1^{20}x_5x_4 - 524288u_6u_5^2u_4^{31}u_1^{19}x_5x_3+$$
$$524288u_6u_5^2u_4^{31}u_1^{19}x_5+$$
$$(-2097152u_6^2u_4^{30}u_1^{21} + 1048576u_6^2u_4^{30}u_1^{20})x_4x_3$$

S-pol added.

1191. Creating S-polynomial from the pair (p_4, p_{181}).

Forming S-pol of p_4 and p_{181}: Polynomial too big for output (text size is 1143 characters, number of terms is 8)

S-pol added.

1192. Creating S-polynomial from the pair (p_4, p_{182}).

Forming S-pol of p_4 and p_{182}: Polynomial too big for output (text size is 1143 characters, number of terms is 8)

S-pol added.

1193. Creating S-polynomial from the pair (p_4, p_{183}).

Forming S-pol of p_4 and p_{183}: Polynomial too big for output (text size is 1525 characters, number of terms is 8)

S-pol added.

1194. Creating S-polynomial from the pair (p_4, p_{184}).

Forming S-pol of p_4 and p_{184}:

$$p_{1668} = -131072u_4^{25}u_1^{17}x_5^2x_4+$$
$$(-131072u_5^2u_4^{23}u_1^{17} + 65536u_5^2u_4^{23}u_1^{16})x_5^2x_3+$$
$$65536u_5^2u_4^{25}u_1^{16}x_5^2+$$
$$(131072u_6u_4^{24}u_1^{17} + 524288u_4^{23}u_1^{19} - 262144u_4^{23}u_1^{18})x_5x_4x_3-$$
$$131072u_6u_4^{24}u_1^{17}x_5x_4 - 65536u_6u_5^2u_4^{24}u_1^{16}x_5x_3+$$
$$65536u_6u_5^2u_4^{24}u_1^{16}x_5+$$
$$(-262144u_6^2u_4^{23}u_1^{18} + 131072u_6^2u_4^{23}u_1^{17})x_4x_3$$

S-pol added.

1195. Creating S-polynomial from the pair (p_4, p_{185}).

Forming S-pol of p_4 and p_{185}: Polynomial too big for output (text size is 2787 characters, number of terms is 8)

S-pol added.

1196. Creating S-polynomial from the pair (p_4, p_{186}).

Forming S-pol of p_4 and p_{186}: Polynomial too big for output (text size is 1745 characters, number of terms is 8)

S-pol added.

1197. Creating S-polynomial from the pair (p_4, p_{187}).

Forming S-pol of p_4 and p_{187}: Polynomial too big for output (text size is 1244 characters, number of terms is 8)

S-pol added.

1198. Creating S-polynomial from the pair (p_4, p_{188}).

Forming S-pol of p_4 and p_{188}:

$$p_{1669} = 16777216u_5u_3^{43}u_1^{24}x_5^2x_4+$$
$$(16777216u_5^3u_3^{41}u_1^{24} - 8388608u_5^3u_3^{41}u_1^{23})x_5^2x_2-$$
$$8388608u_5^3u_3^{43}u_1^{23}x_5^2+$$
$$(-16777216u_6u_5u_3^{42}u_1^{24} - 67108864u_5u_3^{41}u_1^{26}+$$
$$33554432u_5u_3^{41}u_1^{25})x_5x_4x_2 + 16777216u_6u_5u_3^{42}u_1^{24}x_5x_4+$$
$$8388608u_6u_5^3u_3^{42}u_1^{23}x_5x_2 - 8388608u_6u_5^3u_3^{42}u_1^{23}x_5+$$
$$(33554432u_6^2u_5u_3^{41}u_1^{25} - 16777216u_6^2u_5u_3^{41}u_1^{24})x_4x_2$$

S-pol added.

1199. Creating S-polynomial from the pair (p_4, p_{189}).

Forming S-pol of p_4 and p_{189}: Polynomial too big for output (text size is 1264 characters, number of terms is 8)

S-pol added.

1200. Creating S-polynomial from the pair (p_4, p_{190}).

Forming S-pol of p_4 and p_{190}: Polynomial too big for output (text size is 1581 characters, number of terms is 8)

S-pol added.

1201. Creating S-polynomial from the pair (p_4, p_{191}).

Forming S-pol of p_4 and p_{191}:

$$p_{1670} = 8388608u_5u_3^{42}u_1^{23}x_5^2x_4+$$
$$(8388608u_5^3u_3^{40}u_1^{23} - 4194304u_5^3u_3^{40}u_1^{22})x_5^2x_2-$$
$$4194304u_5^3u_3^{42}u_1^{22}x_5^2+$$
$$(-8388608u_6u_5u_3^{41}u_1^{23} - 33554432u_5u_3^{40}u_1^{25}+$$
$$16777216u_5u_3^{40}u_1^{24})x_5x_4x_2 + 8388608u_6u_5u_3^{41}u_1^{23}x_5x_4+$$
$$4194304u_6u_5^3u_3^{41}u_1^{22}x_5x_2 - 4194304u_6u_5^3u_3^{41}u_1^{22}x_5+$$
$$(16777216u_6^2u_5u_3^{40}u_1^{24} - 8388608u_6^2u_5u_3^{40}u_1^{23})x_4x_2$$

S-pol added.

1202. Creating S-polynomial from the pair (p_4, p_{192}).

Forming S-pol of p_4 and p_{192}: Polynomial too big for output (text size is 1236 characters, number of terms is 8)

S-pol added.

1203. Creating S-polynomial from the pair (p_4, p_{193}).

Forming S-pol of p_4 and p_{193}: Polynomial too big for output (text size is 1256 characters, number of terms is 8)

S-pol added.

1204. Creating S-polynomial from the pair (p_4, p_{194}).

Forming S-pol of p_4 and p_{194}: Polynomial too big for output (text size is 2787 characters, number of terms is 8)

S-pol added.

1205. Creating S-polynomial from the pair (p_4, p_{195}).

Forming S-pol of p_4 and p_{195}: Polynomial too big for output (text size is 1745 characters, number of terms is 8)

S-pol added.

1206. Creating S-polynomial from the pair (p_4, p_{196}).

Forming S-pol of p_4 and p_{196}:

$$p_{1671} = 16777216u_5u_2^{43}u_1^{24}x_5^2x_4+$$
$$(16777216u_5^3u_2^{41}u_1^{24} - 8388608u_5^3u_2^{41}u_1^{23})x_5^2x_1-$$
$$8388608u_5^3u_2^{43}u_1^{23}x_5^2+$$
$$(-16777216u_6u_5u_2^{42}u_1^{24} - 67108864u_5u_2^{41}u_1^{26}+$$
$$33554432u_5u_2^{41}u_1^{25})x_5x_4x_1 + 16777216u_6u_5u_2^{42}u_1^{24}x_5x_4+$$
$$8388608u_6u_5^3u_2^{42}u_1^{23}x_5x_1 - 8388608u_6u_5^3u_2^{42}u_1^{23}x_5+$$
$$(33554432u_6^2u_5u_2^{41}u_1^{25} - 16777216u_6^2u_5u_2^{41}u_1^{24})x_4x_1$$

S-pol added.

1207. Creating S-polynomial from the pair (p_4, p_{197}).

Forming S-pol of p_4 and p_{197}: Polynomial too big for output (text size is 1264 characters, number of terms is 8)

S-pol added.

1208. Creating S-polynomial from the pair (p_4, p_{198}).

Forming S-pol of p_4 and p_{198}: Polynomial too big for output (text size is 1264 characters, number of terms is 8)

S-pol added.

1209. Creating S-polynomial from the pair (p_4, p_{199}).

Forming S-pol of p_4 and p_{199}: Polynomial too big for output (text size is 1256 characters, number of terms is 8)

S-pol added.

1210. Creating S-polynomial from the pair (p_4, p_{200}).

Forming S-pol of p_4 and p_{200}: Polynomial too big for output (text size is 1581 characters, number of terms is 8)

S-pol added.

1211. Creating S-polynomial from the pair (p_4, p_{201}).

Forming S-pol of p_4 and p_{201}:

$$p_{1672} = 8388608u_5u_2^{42}u_1^{23}x_5^2x_4+$$
$$(8388608u_5^3u_2^{40}u_1^{23} - 4194304u_5^3u_2^{40}u_1^{22})x_5^2x_1-$$
$$4194304u_5^3u_2^{42}u_1^{22}x_5^2+$$
$$(-8388608u_6u_5u_2^{41}u_1^{23} - 33554432u_5u_2^{40}u_1^{25}+$$
$$16777216u_5u_2^{40}u_1^{24})x_5x_4x_1 + 8388608u_6u_5u_2^{41}u_1^{23}x_5x_4+$$
$$4194304u_6u_5^3u_2^{41}u_1^{22}x_5x_1 - 4194304u_6u_5^3u_2^{41}u_1^{22}x_5+$$
$$(16777216u_6^2u_5u_2^{40}u_1^{24} - 8388608u_6^2u_5u_2^{40}u_1^{23})x_4x_1$$

S-pol added.

1212. Creating S-polynomial from the pair (p_4, p_{202}).

Forming S-pol of p_4 and p_{202}: Polynomial too big for output (text size is 1256 characters, number of terms is 8)

S-pol added.

1213. Creating S-polynomial from the pair (p_4, p_{203}).

Forming S-pol of p_4 and p_{203}: Polynomial too big for output (text size is 2787 characters, number of terms is 8)

S-pol added.

1214. Creating S-polynomial from the pair (p_4, p_{204}).

Forming S-pol of p_4 and p_{204}: Polynomial too big for output (text size is 1745 characters, number of terms is 8)

S-pol added.

1215. Creating S-polynomial from the pair (p_4, p_{205}).

Forming S-pol of p_4 and p_{205}: Polynomial too big for output (text size is 1244 characters, number of terms is 8)

S-pol added.

1216. Creating S-polynomial from the pair (p_4, p_{206}).

Forming S-pol of p_4 and p_{206}: Polynomial too big for output (text size is 1244 characters, number of terms is 8)

S-pol added.

1217. Creating S-polynomial from the pair (p_4, p_{207}).

Forming S-pol of p_4 and p_{207}:

$$p_{1673} = 16777216u_5u_4^{43}u_1^{24}x_5^2x_4+$$
$$(16777216u_5^3u_4^{41}u_1^{24} - 8388608u_5^3u_4^{41}u_1^{23})x_5^2x_3-$$
$$8388608u_5^3u_4^{43}u_1^{23}x_5^2+$$
$$(-16777216u_6u_5u_4^{42}u_1^{24} - 67108864u_5u_4^{41}u_1^{26}+$$
$$33554432u_5u_4^{41}u_1^{25})x_5x_4x_3 + 16777216u_6u_5u_4^{42}u_1^{24}x_5x_4+$$
$$8388608u_6u_5^3u_4^{42}u_1^{23}x_5x_3 - 8388608u_6u_5^3u_4^{42}u_1^{23}x_5+$$
$$(33554432u_6^2u_5u_4^{41}u_1^{25} - 16777216u_6^2u_5u_4^{41}u_1^{24})x_4x_3$$

S-pol added.

1218. Creating S-polynomial from the pair (p_4, p_{208}).

Forming S-pol of p_4 and p_{208}: Polynomial too big for output (text size is 1236 characters, number of terms is 8)

S-pol added.

1219. Creating S-polynomial from the pair (p_4, p_{209}).

Forming S-pol of p_4 and p_{209}: Polynomial too big for output (text size is 1236 characters, number of terms is 8)

S-pol added.

1220. Creating S-polynomial from the pair (p_4, p_{210}).

Forming S-pol of p_4 and p_{210}: Polynomial too big for output (text size is 1581 characters, number of terms is 8)

S-pol added.

1221. Creating S-polynomial from the pair (p_4, p_{211}).

Forming S-pol of p_4 and p_{211}:

$$p_{1674} = 8388608u_5u_4^{42}u_1^{23}x_5^2x_4+$$
$$(8388608u_5^3u_4^{40}u_1^{23} - 4194304u_5^3u_4^{40}u_1^{22})x_5^2x_3-$$
$$4194304u_5^3u_4^{42}u_1^{22}x_5^2+$$
$$(-8388608u_6u_5u_4^{41}u_1^{23} - 33554432u_5u_4^{40}u_1^{25}+$$
$$16777216u_5u_4^{40}u_1^{24})x_5x_4x_3 + 8388608u_6u_5u_4^{41}u_1^{23}x_5x_4+$$
$$4194304u_6u_5^3u_4^{41}u_1^{22}x_5x_3 - 4194304u_6u_5^3u_4^{41}u_1^{22}x_5+$$
$$(16777216u_6^2u_5u_4^{40}u_1^{24} - 8388608u_6^2u_5u_4^{40}u_1^{23})x_4x_3$$

S-pol added.

1222. Creating S-polynomial from the pair (p_4, p_{212}).

Forming S-pol of p_4 and p_{212}: Polynomial too big for output (text size is 1528 characters, number of terms is 8)

S-pol added.

1223. Creating S-polynomial from the pair (p_4, p_{213}).

Forming S-pol of p_4 and p_{213}: Polynomial too big for output (text size is 1519 characters, number of terms is 8)

S-pol added.

1224. Creating S-polynomial from the pair (p_4, p_{214}).

Forming S-pol of p_4 and p_{214}: Polynomial too big for output (text size is 10973 characters, number of terms is 16)

S-pol added.

1225. Creating S-polynomial from the pair (p_4, p_{215}).

Forming S-pol of p_4 and p_{215}: Polynomial too big for output (text size is 4965 characters, number of terms is 8)

S-pol added.

1226. Creating S-polynomial from the pair (p_4, p_{216}).

Forming S-pol of p_4 and p_{216}: Polynomial too big for output (text size is 11199 characters, number of terms is 16)

S-pol added.

1227. Creating S-polynomial from the pair (p_4, p_{217}).

Forming S-pol of p_4 and p_{217}: Polynomial too big for output (text size is 2776 characters, number of terms is 8)

S-pol added.

1228. Creating S-polynomial from the pair (p_4, p_{218}).

Forming S-pol of p_4 and p_{218}: Polynomial too big for output (text size is 3879 characters, number of terms is 8)

S-pol added.

1229. Creating S-polynomial from the pair (p_4, p_{219}).

Forming S-pol of p_4 and p_{219}: Polynomial too big for output (text size is 10922 characters, number of terms is 16)

S-pol added.

1230. Creating S-polynomial from the pair (p_4, p_{220}).

Forming S-pol of p_4 and p_{220}: Polynomial too big for output (text size is 11162 characters, number of terms is 16)

S-pol added.

1231. Creating S-polynomial from the pair (p_4, p_{221}).

Forming S-pol of p_4 and p_{221}:

$$p_{1675} = (268435456u_5u_3^{45}u_1^{28} + 536870912u_3^{46}u_1^{29})x_5^2x_4+$$

$$(536870912u_5^2u_3^{44}u_1^{29} - 268435456u_5^2u_3^{44}u_1^{28})x_5^2x_2-$$

$$268435456u_5^2u_3^{46}u_1^{28}x_5^2+$$

$$(-268435456u_6u_5u_3^{44}u_1^{28} - 536870912u_6u_3^{45}u_1^{29} - 536870912u_5u_3^{45}u_1^{29} -$$
$$2147483648u_3^{44}u_1^{31} + 1073741824u_3^{44}u_1^{30})x_5x_4x_2 +$$
$$(-268435456u_6u_5u_3^{46}u_1^{28} + 536870912u_6u_5u_3^{44}u_1^{29} +$$
$$536870912u_6u_3^{45}u_1^{29})x_5x_4 + 268435456u_6u_5^2u_3^{45}u_1^{28}x_5x_2 -$$
$$268435456u_6u_5^2u_3^{45}u_1^{28}x_5 +$$
$$(268435456u_6^2u_5u_3^{45}u_1^{28} + 1073741824u_6^2u_3^{44}u_1^{30} -$$
$$536870912u_6^2u_3^{44}u_1^{29})x_4x_2$$

S-pol added.

1232. Creating S-polynomial from the pair (p_4, p_{222}).

Forming S-pol of p_4 and p_{222}:

$$p_{1676} = (536870912u_5u_3^{50}u_1^{29} + 1073741824u_3^{51}u_1^{30})x_5^2x_4 +$$
$$(1073741824u_5^2u_3^{49}u_1^{30} - 536870912u_5^2u_3^{49}u_1^{29})x_5^2x_2 -$$
$$536870912u_5^2u_3^{51}u_1^{29}x_5^2 +$$
$$(-536870912u_6u_5u_3^{49}u_1^{29} - 1073741824u_6u_3^{50}u_1^{30} - 1073741824u_5u_3^{50}u_1^{30} -$$
$$4294967296u_3^{49}u_1^{32} + 2147483648u_3^{49}u_1^{31})x_5x_4x_2 +$$
$$(-536870912u_6u_5u_3^{51}u_1^{29} + 1073741824u_6u_5u_3^{49}u_1^{30} +$$
$$1073741824u_6u_3^{50}u_1^{30})x_5x_4 + 536870912u_6u_5^2u_3^{50}u_1^{29}x_5x_2 -$$
$$536870912u_6u_5^2u_3^{50}u_1^{29}x_5 +$$
$$(536870912u_6^2u_5u_3^{50}u_1^{29} + 2147483648u_6^2u_3^{49}u_1^{31} -$$
$$1073741824u_6^2u_3^{49}u_1^{30})x_4x_2$$

S-pol added.

1233. Creating S-polynomial from the pair (p_4, p_{223}).

Forming S-pol of p_4 and p_{223}: Polynomial too big for output (text size is 1508 characters, number of terms is 8)

S-pol added.

1234. Creating S-polynomial from the pair (p_4, p_{224}).

Forming S-pol of p_4 and p_{224}: Polynomial too big for output (text size is 1500 characters, number of terms is 8)

S-pol added.

1235. Creating S-polynomial from the pair (p_4, p_{225}).

Forming S-pol of p_4 and p_{225}:

$$p_{1677} = (-16777216u_6u_3^{43}u_1^{23} - 67108864u_6u_3^{41}u_1^{25} - 16777216u_3^{44}u_1^{24} - 67108864u_3^{42}u_1^{26})x_5^2x_4 + (-16777216u_6^2u_3^{42}u_1^{24} + 16777216u_6^2u_3^{42}u_1^{23} - 67108864u_6^2u_3^{40}u_1^{26} + 67108864u_6^2u_3^{40}u_1^{25} + 33554432u_6u_3^{43}u_1^{24} + 134217728u_6u_3^{41}u_1^{26} + 67108864u_3^{42}u_1^{26} - 33554432u_3^{42}u_1^{25} + 268435456u_3^{40}u_1^{28} - 134217728u_3^{40}u_1^{27})x_5x_4x_2 + (16777216u_6^2u_3^{44}u_1^{23} + 67108864u_6^2u_3^{42}u_1^{25} - 16777216u_6^2u_3^{42}u_1^{24} - 67108864u_6^2u_3^{40}u_1^{26})x_5x_4 + (-16777216u_6^3u_3^{43}u_1^{23} - 67108864u_6^3u_3^{41}u_1^{25} - 33554432u_6^2u_3^{42}u_1^{25} + 16777216u_6^2u_3^{42}u_1^{24} - 134217728u_6^2u_3^{40}u_1^{27} + 67108864u_6^2u_3^{40}u_1^{26})x_4x_2$$

S-pol added.

1236. Creating S-polynomial from the pair (p_4, p_{226}).

Forming S-pol of p_4 and p_{226}:

$$p_{1678} = (-8388608u_6u_3^{42}u_1^{22} - 33554432u_6u_3^{40}u_1^{24} - 8388608u_3^{43}u_1^{23} - 33554432u_3^{41}u_1^{25})x_5^2x_4 + (-8388608u_6^2u_3^{41}u_1^{23} + 8388608u_6^2u_3^{41}u_1^{22} - 33554432u_6^2u_3^{39}u_1^{25} + 33554432u_6^2u_3^{39}u_1^{24} + 16777216u_6u_3^{42}u_1^{23} + 67108864u_6u_3^{40}u_1^{25} + 33554432u_3^{41}u_1^{25} - 16777216u_3^{41}u_1^{24} + 134217728u_3^{39}u_1^{27} - 67108864u_3^{39}u_1^{26})x_5x_4x_2 + (8388608u_6^2u_3^{43}u_1^{22} + 33554432u_6^2u_3^{41}u_1^{24} - 8388608u_6^2u_3^{41}u_1^{23} - 33554432u_6^2u_3^{39}u_1^{25})x_5x_4 + (-8388608u_6^3u_3^{42}u_1^{22} - 33554432u_6^3u_3^{40}u_1^{24} - 16777216u_6^2u_3^{41}u_1^{24} + 8388608u_6^2u_3^{41}u_1^{23} - 67108864u_6^2u_3^{39}u_1^{26} + 33554432u_6^2u_3^{39}u_1^{25})x_4x_2$$

S-pol added.

1237. Creating S-polynomial from the pair (p_4, p_{227}).

Forming S-pol of p_4 and p_{227}:

$$p_{1679} = (268435456u_5u_3^{45}u_1^{28} + 536870912u_3^{46}u_1^{29})x_5^2x_4+$$
$$(536870912u_5^2u_3^{44}u_1^{29} - 268435456u_5^2u_3^{44}u_1^{28})x_5^2x_2-$$
$$268435456u_5^2u_3^{46}u_1^{28}x_5^2+$$
$$(-268435456u_6u_5u_3^{44}u_1^{28} - 536870912u_6u_3^{45}u_1^{29} - 536870912u_5u_3^{45}u_1^{29}-$$
$$2147483648u_3^{44}u_1^{31} + 1073741824u_3^{44}u_1^{30})x_5x_4x_2+$$
$$(-268435456u_6u_5u_3^{46}u_1^{28} + 536870912u_6u_5u_3^{44}u_1^{29}+$$
$$536870912u_6u_3^{45}u_1^{29})x_5x_4 + 268435456u_6u_5^2u_3^{45}u_1^{28}x_5x_2-$$
$$268435456u_6u_5^2u_3^{45}u_1^{28}x_5+$$
$$(268435456u_6^2u_5u_3^{45}u_1^{28} + 1073741824u_6^2u_3^{44}u_1^{30}-$$
$$536870912u_6^2u_3^{44}u_1^{29})x_4x_2$$

S-pol added.

1238. Creating S-polynomial from the pair (p_4, p_{228}).

Forming S-pol of p_4 and p_{228}:

$$p_{1680} = (134217728u_5u_3^{44}u_1^{27} + 268435456u_3^{45}u_1^{28})x_5^2x_4+$$
$$(268435456u_5^2u_3^{43}u_1^{28} - 134217728u_5^2u_3^{43}u_1^{27})x_5^2x_2-$$
$$134217728u_5^2u_3^{45}u_1^{27}x_5^2+$$
$$(-134217728u_6u_5u_3^{43}u_1^{27} - 268435456u_6u_3^{44}u_1^{28} - 268435456u_5u_3^{44}u_1^{28}-$$
$$1073741824u_3^{43}u_1^{30} + 536870912u_3^{43}u_1^{29})x_5x_4x_2+$$
$$(-134217728u_6u_5u_3^{45}u_1^{27} + 268435456u_6u_5u_3^{43}u_1^{28}+$$
$$268435456u_6u_3^{44}u_1^{28})x_5x_4 + 134217728u_6u_5^2u_3^{44}u_1^{27}x_5x_2-$$
$$134217728u_6u_5^2u_3^{44}u_1^{27}x_5+$$
$$(134217728u_6^2u_5u_3^{44}u_1^{27} + 536870912u_6^2u_3^{43}u_1^{29}-$$
$$268435456u_6^2u_3^{43}u_1^{28})x_4x_2$$

S-pol added.

1239. Creating S-polynomial from the pair (p_4, p_{229}).

Forming S-pol of p_4 and p_{229}: Polynomial too big for output (text size is 5433 characters, number of terms is 8)

S-pol added.

1240. Creating S-polynomial from the pair (p_4, p_{230}).

Forming S-pol of p_4 and p_{230}: Polynomial too big for output (text size is 3055 characters, number of terms is 8)

S-pol added.

1241. Creating S-polynomial from the pair (p_4, p_{231}).

Forming S-pol of p_4 and p_{231}: Polynomial too big for output (text size is 5806 characters, number of terms is 8)

S-pol added.

1242. Creating S-polynomial from the pair (p_4, p_{232}).

Forming S-pol of p_4 and p_{232}: Polynomial too big for output (text size is 1631 characters, number of terms is 8)

S-pol added.

1243. Creating S-polynomial from the pair (p_4, p_{233}).

Forming S-pol of p_4 and p_{233}: Polynomial too big for output (text size is 2289 characters, number of terms is 8)

S-pol added.

1244. Creating S-polynomial from the pair (p_4, p_{234}).

Forming S-pol of p_4 and p_{234}: Polynomial too big for output (text size is 5409 characters, number of terms is 8)

S-pol added.

1245. Creating S-polynomial from the pair (p_4, p_{235}).

Forming S-pol of p_4 and p_{235}: Polynomial too big for output (text size is 5784 characters, number of terms is 8)

S-pol added.

1246. Creating S-polynomial from the pair (p_4, p_{236}).

Forming S-pol of p_4 and p_{236}:

$$p_{1681} = (8388608u_6u_3^{37}u_1^{22} + 8388608u_3^{38}u_1^{23})x_5^2x_4+$$
$$(8388608u_6^2u_3^{36}u_1^{23} - 8388608u_6^2u_3^{36}u_1^{22} - 16777216u_6u_3^{37}u_1^{23}-$$
$$33554432u_3^{36}u_1^{25} + 16777216u_3^{36}u_1^{24})x_5x_4x_2+$$
$$(-8388608u_6^2u_3^{38}u_1^{22} + 8388608u_6^2u_3^{36}u_1^{23})x_5x_4+$$
$$(8388608u_6^3u_3^{37}u_1^{22} + 16777216u_6^2u_3^{36}u_1^{24}-$$
$$8388608u_6^2u_3^{36}u_1^{23})x_4x_2$$

S-pol added.

1247. Creating S-polynomial from the pair (p_4, p_{237}).

Forming S-pol of p_4 and p_{237}:

$$p_{1682} = (4194304u_6u_3^{36}u_1^{21} + 4194304u_3^{37}u_1^{22})x_5^2x_4+$$
$$(4194304u_6^2u_3^{35}u_1^{22} - 4194304u_6^2u_3^{35}u_1^{21} - 8388608u_6u_3^{36}u_1^{22}-$$
$$16777216u_3^{35}u_1^{24} + 8388608u_3^{35}u_1^{23})x_5x_4x_2+$$
$$(-4194304u_6^2u_3^{37}u_1^{21} + 4194304u_6^2u_3^{35}u_1^{22})x_5x_4+$$
$$(4194304u_6^3u_3^{36}u_1^{21} + 8388608u_6^2u_3^{35}u_1^{23}-$$
$$4194304u_6^2u_3^{35}u_1^{22})x_4x_2$$

S-pol added.

1248. Creating S-polynomial from the pair (p_4, p_{238}).

Forming S-pol of p_4 and p_{238}: Polynomial too big for output (text size is 1528 characters, number of terms is 8)

S-pol added.

1249. Creating S-polynomial from the pair (p_4, p_{239}).

Forming S-pol of p_4 and p_{239}: Polynomial too big for output (text size is 1519 characters, number of terms is 8)

S-pol added.

1250. Creating S-polynomial from the pair (p_4, p_{240}).

Forming S-pol of p_4 and p_{240}: Polynomial too big for output (text size is 4965 characters, number of terms is 8)

S-pol added.

1251. Creating S-polynomial from the pair (p_4, p_{241}).

Forming S-pol of p_4 and p_{241}: Polynomial too big for output (text size is 11199 characters, number of terms is 16)

S-pol added.

1252. Creating S-polynomial from the pair (p_4, p_{242}).

Forming S-pol of p_4 and p_{242}: Polynomial too big for output (text size is 11199 characters, number of terms is 16)

S-pol added.

1253. Creating S-polynomial from the pair (p_4, p_{243}).

Forming S-pol of p_4 and p_{243}: Polynomial too big for output (text size is 11162 characters, number of terms is 16)

S-pol added.

1254. Creating S-polynomial from the pair (p_4, p_{244}).

Forming S-pol of p_4 and p_{244}: Polynomial too big for output (text size is 2776 characters, number of terms is 8)

S-pol added.

1255. Creating S-polynomial from the pair (p_4, p_{245}).

Forming S-pol of p_4 and p_{245}: Polynomial too big for output (text size is 3879 characters, number of terms is 8)

S-pol added.

1256. Creating S-polynomial from the pair (p_4, p_{246}).

Forming S-pol of p_4 and p_{246}: Polynomial too big for output (text size is 11162 characters, number of terms is 16)

S-pol added.

1257. Creating S-polynomial from the pair (p_4, p_{247}).

Forming S-pol of p_4 and p_{247}:

$$p_{1683} = (268435456u_5u_2^{45}u_1^{28} + 536870912u_2^{46}u_1^{29})x_5^2x_4+$$
$$(536870912u_5^2u_2^{44}u_1^{29} - 268435456u_5^2u_2^{44}u_1^{28})x_5^2x_1-$$
$$268435456u_5^2u_2^{46}u_1^{28}x_5^2+$$
$$(-268435456u_6u_5u_2^{44}u_1^{28} - 536870912u_6u_2^{45}u_1^{29} - 536870912u_5u_2^{45}u_1^{29}-$$
$$2147483648u_2^{44}u_1^{31} + 1073741824u_2^{44}u_1^{30})x_5x_4x_1+$$
$$(-268435456u_6u_5u_2^{46}u_1^{28} + 536870912u_6u_5u_2^{44}u_1^{29}+$$
$$536870912u_6u_2^{45}u_1^{29})x_5x_4 + 268435456u_6u_5^2u_2^{45}u_1^{28}x_5x_1-$$
$$268435456u_6u_5^2u_2^{45}u_1^{28}x_5+$$
$$(268435456u_6^2u_5u_2^{45}u_1^{28} + 1073741824u_6^2u_2^{44}u_1^{30}-$$
$$536870912u_6^2u_2^{44}u_1^{29})x_4x_1$$

S-pol added.

1258. Creating S-polynomial from the pair (p_4, p_{248}).

Forming S-pol of p_4 and p_{248}:

$$p_{1684} = (536870912u_5u_2^{50}u_1^{29} + 1073741824u_2^{51}u_1^{30})x_5^2x_4+$$
$$(1073741824u_5^2u_2^{49}u_1^{30} - 536870912u_5^2u_2^{49}u_1^{29})x_5^2x_1-$$
$$536870912u_5^2u_2^{51}u_1^{29}x_5^2+$$
$$(-536870912u_6u_5u_2^{49}u_1^{29} - 1073741824u_6u_2^{50}u_1^{30} - 1073741824u_5u_2^{50}u_1^{30}-$$
$$4294967296u_2^{49}u_1^{32} + 2147483648u_2^{49}u_1^{31})x_5x_4x_1+$$
$$(-536870912u_6u_5u_2^{51}u_1^{29} + 1073741824u_6u_5u_2^{49}u_1^{30}+$$
$$1073741824u_6u_2^{50}u_1^{30})x_5x_4 + 536870912u_6u_5^2u_2^{50}u_1^{29}x_5x_1-$$
$$536870912u_6u_5^2u_2^{50}u_1^{29}x_5+$$
$$(536870912u_6^2u_5u_2^{50}u_1^{29} + 2147483648u_6^2u_2^{49}u_1^{31}-$$
$$1073741824u_6^2u_2^{49}u_1^{30})x_4x_1$$

S-pol added.

1259. Creating S-polynomial from the pair (p_4, p_{249}).

Forming S-pol of p_4 and p_{249}: Polynomial too big for output (text size is 1508 characters, number of terms is 8)

S-pol added.

1260. Creating S-polynomial from the pair (p_4, p_{250}).

Forming S-pol of p_4 and p_{250}: Polynomial too big for output (text size is 1500 characters, number of terms is 8)

S-pol added.

1261. Creating S-polynomial from the pair (p_4, p_{251}).

Forming S-pol of p_4 and p_{251}:

$$p_{1685} = (-16777216u_6u_2^{43}u_1^{23} - 67108864u_6u_2^{41}u_1^{25} - 16777216u_2^{44}u_1^{24} - 67108864u_2^{42}u_1^{26})x_5^2x_4 + (-16777216u_6^2u_2^{42}u_1^{24} + 16777216u_6^2u_2^{42}u_1^{23} - 67108864u_6^2u_2^{40}u_1^{26} + 67108864u_6^2u_2^{40}u_1^{25} + 33554432u_6u_2^{43}u_1^{24} + 134217728u_6u_2^{41}u_1^{26} + 67108864u_2^{42}u_1^{26} - 33554432u_2^{42}u_1^{25} + 268435456u_2^{40}u_1^{28} - 134217728u_2^{40}u_1^{27})x_5x_4x_1 + (16777216u_6^2u_2^{44}u_1^{23} + 67108864u_6^2u_2^{42}u_1^{25} - 16777216u_6^2u_2^{42}u_1^{24} - 67108864u_6^2u_2^{40}u_1^{26})x_5x_4 + (-16777216u_6^3u_2^{43}u_1^{23} - 67108864u_6^3u_2^{41}u_1^{25} - 33554432u_6^2u_2^{42}u_1^{25} + 16777216u_6^2u_2^{42}u_1^{24} - 134217728u_6^2u_2^{40}u_1^{27} + 67108864u_6^2u_2^{40}u_1^{26})x_4x_1$$

S-pol added.

1262. Creating S-polynomial from the pair (p_4, p_{252}).

Forming S-pol of p_4 and p_{252}:

$$p_{1686} = (-8388608u_6u_2^{42}u_1^{22} - 33554432u_6u_2^{40}u_1^{24} - 8388608u_2^{43}u_1^{23} - 33554432u_2^{41}u_1^{25})x_5^2x_4 + (-8388608u_6^2u_2^{41}u_1^{23} + 8388608u_6^2u_2^{41}u_1^{22} - 33554432u_6^2u_2^{39}u_1^{25} + 33554432u_6^2u_2^{39}u_1^{24} + 16777216u_6u_2^{42}u_1^{23} + 67108864u_6u_2^{40}u_1^{25} + 33554432u_2^{41}u_1^{25} - 16777216u_2^{41}u_1^{24} + 134217728u_2^{39}u_1^{27} - 67108864u_2^{39}u_1^{26})x_5x_4x_1 + (8388608u_6^2u_2^{43}u_1^{22} + 33554432u_6^2u_2^{41}u_1^{24} - 8388608u_6^2u_2^{41}u_1^{23} - 33554432u_6^2u_2^{39}u_1^{25})x_5x_4 + (-8388608u_6^3u_2^{42}u_1^{22} - 33554432u_6^3u_2^{40}u_1^{24} - 16777216u_6^2u_2^{41}u_1^{24} + 8388608u_6^2u_2^{41}u_1^{23} - 67108864u_6^2u_2^{39}u_1^{26} + 33554432u_6^2u_2^{39}u_1^{25})x_4x_1$$

S-pol added.

1263. Creating S-polynomial from the pair (p_4, p_{253}).

Forming S-pol of p_4 and p_{253}:

$$p_{1687} = (268435456u_5u_2^{45}u_1^{28} + 536870912u_2^{46}u_1^{29})x_5^2x_4+$$
$$(536870912u_5^2u_2^{44}u_1^{29} - 268435456u_5^2u_2^{44}u_1^{28})x_5^2x_1-$$
$$268435456u_5^2u_2^{46}u_1^{28}x_5^2+$$
$$(-268435456u_6u_5u_2^{44}u_1^{28} - 536870912u_6u_2^{45}u_1^{29} - 536870912u_5u_2^{45}u_1^{29}-$$
$$2147483648u_2^{44}u_1^{31} + 1073741824u_2^{44}u_1^{30})x_5x_4x_1+$$
$$(-268435456u_6u_5u_2^{46}u_1^{28} + 536870912u_6u_5u_2^{44}u_1^{29}+$$
$$536870912u_6u_2^{45}u_1^{29})x_5x_4 + 268435456u_6u_5^2u_2^{45}u_1^{28}x_5x_1-$$
$$268435456u_6u_5^2u_2^{45}u_1^{28}x_5+$$
$$(268435456u_6^2u_5u_2^{45}u_1^{28} + 1073741824u_6^2u_2^{44}u_1^{30}-$$
$$536870912u_6^2u_2^{44}u_1^{29})x_4x_1$$

S-pol added.

1264. Creating S-polynomial from the pair (p_4, p_{254}).

Forming S-pol of p_4 and p_{254}:

$$p_{1688} = (134217728u_5u_2^{44}u_1^{27} + 268435456u_2^{45}u_1^{28})x_5^2x_4+$$
$$(268435456u_5^2u_2^{43}u_1^{28} - 134217728u_5^2u_2^{43}u_1^{27})x_5^2x_1-$$
$$134217728u_5^2u_2^{45}u_1^{27}x_5^2+$$
$$(-134217728u_6u_5u_2^{43}u_1^{27} - 268435456u_6u_2^{44}u_1^{28} - 268435456u_5u_2^{44}u_1^{28}-$$
$$1073741824u_2^{43}u_1^{30} + 536870912u_2^{43}u_1^{29})x_5x_4x_1+$$
$$(-134217728u_6u_5u_2^{45}u_1^{27} + 268435456u_6u_5u_2^{43}u_1^{28}+$$
$$268435456u_6u_2^{44}u_1^{28})x_5x_4 + 134217728u_6u_5^2u_2^{44}u_1^{27}x_5x_1-$$
$$134217728u_6u_5^2u_2^{44}u_1^{27}x_5+$$
$$(134217728u_6^2u_5u_2^{44}u_1^{27} + 536870912u_6^2u_2^{43}u_1^{29}-$$
$$268435456u_6^2u_2^{43}u_1^{28})x_4x_1$$

S-pol added.

1265. Creating S-polynomial from the pair (p_4, p_{255}).

Forming S-pol of p_4 and p_{255}: Polynomial too big for output (text size is 3055 characters, number of terms is 8)

S-pol added.

1266. Creating S-polynomial from the pair (p_4, p_{256}).

Forming S-pol of p_4 and p_{256}: Polynomial too big for output (text size is 5806 characters, number of terms is 8)

S-pol added.

1267. Creating S-polynomial from the pair (p_4, p_{257}).

Forming S-pol of p_4 and p_{257}: Polynomial too big for output (text size is 5806 characters, number of terms is 8)

S-pol added.

1268. Creating S-polynomial from the pair (p_4, p_{258}).

Forming S-pol of p_4 and p_{258}: Polynomial too big for output (text size is 5784 characters, number of terms is 8)

S-pol added.

1269. Creating S-polynomial from the pair (p_4, p_{259}).

Forming S-pol of p_4 and p_{259}: Polynomial too big for output (text size is 1631 characters, number of terms is 8)

S-pol added.

1270. Creating S-polynomial from the pair (p_4, p_{260}).

Forming S-pol of p_4 and p_{260}: Polynomial too big for output (text size is 2289 characters, number of terms is 8)

S-pol added.

1271. Creating S-polynomial from the pair (p_4, p_{261}).

Forming S-pol of p_4 and p_{261}: Polynomial too big for output (text size is 5784 characters, number of terms is 8)

S-pol added.

1272. Creating S-polynomial from the pair (p_4, p_{262}).

Forming S-pol of p_4 and p_{262}:

$$\begin{gathered}
p_{1689} = (8388608u_6u_2^{37}u_1^{22} + 8388608u_2^{38}u_1^{23})x_5^2x_4+ \\
(8388608u_6^2u_2^{36}u_1^{23} - 8388608u_6^2u_2^{36}u_1^{22} - 16777216u_6u_2^{37}u_1^{23}- \\
33554432u_2^{36}u_1^{25} + 16777216u_2^{36}u_1^{24})x_5x_4x_1+ \\
(-8388608u_6^2u_2^{38}u_1^{22} + 8388608u_6^2u_2^{36}u_1^{23})x_5x_4+ \\
(8388608u_6^3u_2^{37}u_1^{22} + 16777216u_6^2u_2^{36}u_1^{24}- \\
8388608u_6^2u_2^{36}u_1^{23})x_4x_1
\end{gathered}$$

S-pol added.

1273. Creating S-polynomial from the pair (p_4, p_{263}).

Forming S-pol of p_4 and p_{263}:

$$\begin{gathered}
p_{1690} = (4194304u_6u_2^{36}u_1^{21} + 4194304u_2^{37}u_1^{22})x_5^2x_4+ \\
(4194304u_6^2u_2^{35}u_1^{22} - 4194304u_6^2u_2^{35}u_1^{21} - 8388608u_6u_2^{36}u_1^{22}- \\
16777216u_2^{35}u_1^{24} + 8388608u_2^{35}u_1^{23})x_5x_4x_1+ \\
(-4194304u_6^2u_2^{37}u_1^{21} + 4194304u_6^2u_2^{35}u_1^{22})x_5x_4+ \\
(4194304u_6^3u_2^{36}u_1^{21} + 8388608u_6^2u_2^{35}u_1^{23}- \\
4194304u_6^2u_2^{35}u_1^{22})x_4x_1
\end{gathered}$$

S-pol added.

1274. Creating S-polynomial from the pair (p_4, p_{264}).

Forming S-pol of p_4 and p_{264}: Polynomial too big for output (text size is 1528 characters, number of terms is 8)

S-pol added.

1275. Creating S-polynomial from the pair (p_4, p_{265}).

Forming S-pol of p_4 and p_{265}: Polynomial too big for output (text size is 1519 characters, number of terms is 8)

S-pol added.

1276. Creating S-polynomial from the pair (p_4, p_{266}).

Forming S-pol of p_4 and p_{266}: Polynomial too big for output (text size is 10973 characters, number of terms is 16)

S-pol added.

1277. Creating S-polynomial from the pair (p_4, p_{267}).

Forming S-pol of p_4 and p_{267}: Polynomial too big for output (text size is 10973 characters, number of terms is 16)

S-pol added.

1278. Creating S-polynomial from the pair (p_4, p_{268}).

Forming S-pol of p_4 and p_{268}: Polynomial too big for output (text size is 4965 characters, number of terms is 8)

S-pol added.

1279. Creating S-polynomial from the pair (p_4, p_{269}).

Forming S-pol of p_4 and p_{269}: Polynomial too big for output (text size is 10922 characters, number of terms is 16)

S-pol added.

1280. Creating S-polynomial from the pair (p_4, p_{270}).

Forming S-pol of p_4 and p_{270}: Polynomial too big for output (text size is 10922 characters, number of terms is 16)

S-pol added.

1281. Creating S-polynomial from the pair (p_4, p_{271}).

Forming S-pol of p_4 and p_{271}: Polynomial too big for output (text size is 2776 characters, number of terms is 8)

S-pol added.

1282. Creating S-polynomial from the pair (p_4, p_{272}).

Forming S-pol of p_4 and p_{272}: Polynomial too big for output (text size is 3879 characters, number of terms is 8)

S-pol added.

1283. Creating S-polynomial from the pair (p_4, p_{273}).

Forming S-pol of p_4 and p_{273}:

$$p_{1691} = (268435456u_5u_4^{45}u_1^{28} + 536870912u_4^{46}u_1^{29})x_5^2x_4+$$
$$(536870912u_5^2u_4^{44}u_1^{29} - 268435456u_5^2u_4^{44}u_1^{28})x_5^2x_3-$$
$$268435456u_5^2u_4^{46}u_1^{28}x_5^2+$$
$$(-268435456u_6u_5u_4^{44}u_1^{28} - 536870912u_6u_4^{45}u_1^{29} - 536870912u_5u_4^{45}u_1^{29}-$$
$$2147483648u_4^{44}u_1^{31} + 1073741824u_4^{44}u_1^{30})x_5x_4x_3+$$
$$(-268435456u_6u_5u_4^{46}u_1^{28} + 536870912u_6u_5u_4^{44}u_1^{29}+$$
$$536870912u_6u_4^{45}u_1^{29})x_5x_4 + 268435456u_6u_5^2u_4^{45}u_1^{28}x_5x_3-$$
$$268435456u_6u_5^2u_4^{45}u_1^{28}x_5+$$
$$(268435456u_6^2u_5u_4^{45}u_1^{28} + 1073741824u_6^2u_4^{44}u_1^{30}-$$
$$536870912u_6^2u_4^{44}u_1^{29})x_4x_3$$

S-pol added.

1284. Creating S-polynomial from the pair (p_4, p_{274}).

Forming S-pol of p_4 and p_{274}:

$$p_{1692} = (536870912u_5u_4^{50}u_1^{29} + 1073741824u_4^{51}u_1^{30})x_5^2x_4+$$
$$(1073741824u_5^2u_4^{49}u_1^{30} - 536870912u_5^2u_4^{49}u_1^{29})x_5^2x_3-$$
$$536870912u_5^2u_4^{51}u_1^{29}x_5^2+$$
$$(-536870912u_6u_5u_4^{49}u_1^{29} - 1073741824u_6u_4^{50}u_1^{30} - 1073741824u_5u_4^{50}u_1^{30}-$$
$$4294967296u_4^{49}u_1^{32} + 2147483648u_4^{49}u_1^{31})x_5x_4x_3+$$
$$(-536870912u_6u_5u_4^{51}u_1^{29} + 1073741824u_6u_5u_4^{49}u_1^{30}+$$
$$1073741824u_6u_4^{50}u_1^{30})x_5x_4 + 536870912u_6u_5^2u_4^{50}u_1^{29}x_5x_3-$$
$$536870912u_6u_5^2u_4^{50}u_1^{29}x_5+$$
$$(536870912u_6^2u_5u_4^{50}u_1^{29} + 2147483648u_6^2u_4^{49}u_1^{31}-$$
$$1073741824u_6^2u_4^{49}u_1^{30})x_4x_3$$

S-pol added.

1285. Creating S-polynomial from the pair (p_4, p_{275}).

Forming S-pol of p_4 and p_{275}: Polynomial too big for output (text size is 1508 characters, number of terms is 8)

S-pol added.

1286. Creating S-polynomial from the pair (p_4, p_{276}).

Forming S-pol of p_4 and p_{276}: Polynomial too big for output (text size is 1500 characters, number of terms is 8)

S-pol added.

1287. Creating S-polynomial from the pair (p_4, p_{277}).

Forming S-pol of p_4 and p_{277}:

$$p_{1693} = (-16777216u_6u_4^{43}u_1^{23} - 67108864u_6u_4^{41}u_1^{25} - 16777216u_4^{44}u_1^{24} - 67108864u_4^{42}u_1^{26})x_5^2x_4 + (-16777216u_6^2u_4^{42}u_1^{24} + 16777216u_6^2u_4^{42}u_1^{23} - 67108864u_6^2u_4^{40}u_1^{26} + 67108864u_6^2u_4^{40}u_1^{25} + 33554432u_6u_4^{43}u_1^{24} + 134217728u_6u_4^{41}u_1^{26} + 67108864u_4^{42}u_1^{26} - 33554432u_4^{42}u_1^{25} + 268435456u_4^{40}u_1^{28} - 134217728u_4^{40}u_1^{27})x_5x_4x_3 + (16777216u_6^2u_4^{44}u_1^{23} + 67108864u_6^2u_4^{42}u_1^{25} - 16777216u_6^2u_4^{42}u_1^{24} - 67108864u_6^2u_4^{40}u_1^{26})x_5x_4 + (-16777216u_6^3u_4^{43}u_1^{23} - 67108864u_6^3u_4^{41}u_1^{25} - 33554432u_6^2u_4^{42}u_1^{25} + 16777216u_6^2u_4^{42}u_1^{24} - 134217728u_6^2u_4^{40}u_1^{27} + 67108864u_6^2u_4^{40}u_1^{26})x_4x_3$$

S-pol added.

1288. Creating S-polynomial from the pair (p_4, p_{278}).

Forming S-pol of p_4 and p_{278}:

$$p_{1694} = (-8388608u_6u_4^{42}u_1^{22} - 33554432u_6u_4^{40}u_1^{24} - 8388608u_4^{43}u_1^{23} - 33554432u_4^{41}u_1^{25})x_5^2x_4 + (-8388608u_6^2u_4^{41}u_1^{23} + 8388608u_6^2u_4^{41}u_1^{22} - 33554432u_6^2u_4^{39}u_1^{25} + 33554432u_6^2u_4^{39}u_1^{24} + 16777216u_6u_4^{42}u_1^{23} + 67108864u_6u_4^{40}u_1^{25} + 33554432u_4^{41}u_1^{25} - 16777216u_4^{41}u_1^{24} + 134217728u_4^{39}u_1^{27} - 67108864u_4^{39}u_1^{26})x_5x_4x_3 + (8388608u_6^2u_4^{43}u_1^{22} + 33554432u_6^2u_4^{41}u_1^{24} - 8388608u_6^2u_4^{41}u_1^{23} - 33554432u_6^2u_4^{39}u_1^{25})x_5x_4 + (-8388608u_6^3u_4^{42}u_1^{22} - 33554432u_6^3u_4^{40}u_1^{24} - 16777216u_6^2u_4^{41}u_1^{24} + 8388608u_6^2u_4^{41}u_1^{23} - 67108864u_6^2u_4^{39}u_1^{26} + 33554432u_6^2u_4^{39}u_1^{25})x_4x_3$$

S-pol added.

1289. Creating S-polynomial from the pair (p_4, p_{279}).

Forming S-pol of p_4 and p_{279}:

$$p_{1695} = (268435456u_5u_4^{45}u_1^{28} + 536870912u_4^{46}u_1^{29})x_5^2x_4+$$
$$(536870912u_5^2u_4^{44}u_1^{29} - 268435456u_5^2u_4^{44}u_1^{28})x_5^2x_3-$$
$$268435456u_5^2u_4^{46}u_1^{28}x_5^2+$$
$$(-268435456u_6u_5u_4^{44}u_1^{28} - 536870912u_6u_4^{45}u_1^{29} - 536870912u_5u_4^{45}u_1^{29}-$$
$$2147483648u_4^{44}u_1^{31} + 1073741824u_4^{44}u_1^{30})x_5x_4x_3+$$
$$(-268435456u_6u_5u_4^{46}u_1^{28} + 536870912u_6u_5u_4^{44}u_1^{29}+$$
$$536870912u_6u_4^{45}u_1^{29})x_5x_4 + 268435456u_6u_5^2u_4^{45}u_1^{28}x_5x_3-$$
$$268435456u_6u_5^2u_4^{45}u_1^{28}x_5+$$
$$(268435456u_6^2u_5u_4^{45}u_1^{28} + 1073741824u_6^2u_4^{44}u_1^{30}-$$
$$536870912u_6^2u_4^{44}u_1^{29})x_4x_3$$

S-pol added.

1290. Creating S-polynomial from the pair (p_4, p_{280}).

Forming S-pol of p_4 and p_{280}:

$$p_{1696} = (134217728u_5u_4^{44}u_1^{27} + 268435456u_4^{45}u_1^{28})x_5^2x_4+$$
$$(268435456u_5^2u_4^{43}u_1^{28} - 134217728u_5^2u_4^{43}u_1^{27})x_5^2x_3-$$
$$134217728u_5^2u_4^{45}u_1^{27}x_5^2+$$
$$(-134217728u_6u_5u_4^{43}u_1^{27} - 268435456u_6u_4^{44}u_1^{28} - 268435456u_5u_4^{44}u_1^{28}-$$
$$1073741824u_4^{43}u_1^{30} + 536870912u_4^{43}u_1^{29})x_5x_4x_3+$$
$$(-134217728u_6u_5u_4^{45}u_1^{27} + 268435456u_6u_5u_4^{43}u_1^{28}+$$
$$268435456u_6u_4^{44}u_1^{28})x_5x_4 + 134217728u_6u_5^2u_4^{44}u_1^{27}x_5x_3-$$
$$134217728u_6u_5^2u_4^{44}u_1^{27}x_5+$$
$$(134217728u_6^2u_5u_4^{44}u_1^{27} + 536870912u_6^2u_4^{43}u_1^{29}-$$
$$268435456u_6^2u_4^{43}u_1^{28})x_4x_3$$

S-pol added.

1291. Creating S-polynomial from the pair (p_4, p_{281}).

Forming S-pol of p_4 and p_{281}: Polynomial too big for output (text size is 5433 characters, number of terms is 8)

S-pol added.

1292. Creating S-polynomial from the pair (p_4, p_{282}).

Forming S-pol of p_4 and p_{282}: Polynomial too big for output (text size is 5433 characters, number of terms is 8)

S-pol added.

1293. Creating S-polynomial from the pair (p_4, p_{283}).

Forming S-pol of p_4 and p_{283}: Polynomial too big for output (text size is 3055 characters, number of terms is 8)

S-pol added.

1294. Creating S-polynomial from the pair (p_4, p_{284}).

Forming S-pol of p_4 and p_{284}: Polynomial too big for output (text size is 5409 characters, number of terms is 8)

S-pol added.

1295. Creating S-polynomial from the pair (p_4, p_{285}).

Forming S-pol of p_4 and p_{285}: Polynomial too big for output (text size is 5409 characters, number of terms is 8)

S-pol added.

1296. Creating S-polynomial from the pair (p_4, p_{286}).

Forming S-pol of p_4 and p_{286}: Polynomial too big for output (text size is 1631 characters, number of terms is 8)

S-pol added.

1297. Creating S-polynomial from the pair (p_4, p_{287}).

Forming S-pol of p_4 and p_{287}: Polynomial too big for output (text size is 2289 characters, number of terms is 8)

S-pol added.

1298. Creating S-polynomial from the pair (p_4, p_{288}).

Forming S-pol of p_4 and p_{288}:

$$p_{1697} = (8388608u_6u_4^{37}u_1^{22} + 8388608u_4^{38}u_1^{23})x_5^2x_4+$$
$$(8388608u_6^2u_4^{36}u_1^{23} - 8388608u_6^2u_4^{36}u_1^{22} - 16777216u_6u_4^{37}u_1^{23}-$$
$$33554432u_4^{36}u_1^{25} + 16777216u_4^{36}u_1^{24})x_5x_4x_3+$$
$$(-8388608u_6^2u_4^{38}u_1^{22} + 8388608u_6^2u_4^{36}u_1^{23})x_5x_4+$$
$$(8388608u_6^3u_4^{37}u_1^{22} + 16777216u_6^2u_4^{36}u_1^{24}-$$
$$8388608u_6^2u_4^{36}u_1^{23})x_4x_3$$

S-pol added.

1299. Creating S-polynomial from the pair (p_4, p_{289}).

Forming S-pol of p_4 and p_{289}:

$$p_{1698} = (4194304u_6u_4^{36}u_1^{21} + 4194304u_4^{37}u_1^{22})x_5^2x_4+$$
$$(4194304u_6^2u_4^{35}u_1^{22} - 4194304u_6^2u_4^{35}u_1^{21} - 8388608u_6u_4^{36}u_1^{22}-$$
$$16777216u_4^{35}u_1^{24} + 8388608u_4^{35}u_1^{23})x_5x_4x_3+$$
$$(-4194304u_6^2u_4^{37}u_1^{21} + 4194304u_6^2u_4^{35}u_1^{22})x_5x_4+$$
$$(4194304u_6^3u_4^{36}u_1^{21} + 8388608u_6^2u_4^{35}u_1^{23}-$$
$$4194304u_6^2u_4^{35}u_1^{22})x_4x_3$$

S-pol added.

1300. Creating S-polynomial from the pair (p_4, p_{290}).

Forming S-pol of p_4 and p_{290}:

$$p_{1699} = -8388608u_5u_2^{35}u_1^{23}x_5^2x_4+$$
$$(8388608u_6u_5u_2^{34}u_1^{23} + 33554432u_5u_2^{33}u_1^{25}-$$
$$16777216u_5u_2^{33}u_1^{24})x_5x_4x_1 - 8388608u_6u_5u_2^{34}u_1^{23}x_5x_4+$$
$$(-16777216u_6^2u_5u_2^{33}u_1^{24} + 8388608u_6^2u_5u_2^{33}u_1^{23})x_4x_1$$

S-pol added.

1301. Creating S-polynomial from the pair (p_4, p_{291}).

Forming S-pol of p_4 and p_{291}:

$$p_{1700} = -4194304u_5u_2^{34}u_1^{22}x_5^2x_4+$$
$$(4194304u_6u_5u_2^{33}u_1^{22} + 16777216u_5u_2^{32}u_1^{24} - 8388608u_5u_2^{32}u_1^{23})x_5x_4x_1-$$
$$4194304u_6u_5u_2^{33}u_1^{22}x_5x_4+$$
$$(-8388608u_6^2u_5u_2^{32}u_1^{23} + 4194304u_6^2u_5u_2^{32}u_1^{22})x_4x_1$$

S-pol added.

1302. Creating S-polynomial from the pair (p_4, p_{292}).

Forming S-pol of p_4 and p_{292}:

$$p_{1701} = (70368744177664u_5^2u_2^{75}u_1^{46} + 140737488355328u_5u_2^{76}u_1^{47})x_5^2x_4+$$
$$(140737488355328u_5^3u_2^{74}u_1^{47} - 70368744177664u_5^3u_2^{74}u_1^{46})x_5^2x_1-$$
$$70368744177664u_5^3u_2^{76}u_1^{46}x_5^2+$$
$$(-70368744177664u_6u_5^2u_2^{74}u_1^{46} - 140737488355328u_6u_5u_2^{75}u_1^{47}-$$
$$140737488355328u_5^2u_2^{75}u_1^{47} - 562949953421312u_5u_2^{74}u_1^{49}+$$
$$281474976710656u_5u_2^{74}u_1^{48})x_5x_4x_1+$$
$$(-70368744177664u_6u_5^2u_2^{76}u_1^{46} + 140737488355328u_6u_5^2u_2^{74}u_1^{47}+$$
$$140737488355328u_6u_5u_2^{75}u_1^{47})x_5x_4 + 70368744177664u_6u_5^3u_2^{75}u_1^{46}x_5x_1-$$
$$70368744177664u_6u_5^3u_2^{75}u_1^{46}x_5+$$
$$(70368744177664u_6^2u_5^2u_2^{75}u_1^{46} + 281474976710656u_6^2u_5u_2^{74}u_1^{48}-$$
$$140737488355328u_6^2u_5u_2^{74}u_1^{47})x_4x_1$$

S-pol added.

1303. Creating S-polynomial from the pair (p_4, p_{293}).

Forming S-pol of p_4 and p_{293}:

$$p_{1702} = (35184372088832u_5^2u_2^{74}u_1^{45} + 70368744177664u_5u_2^{75}u_1^{46})x_5^2x_4+$$
$$(70368744177664u_5^3u_2^{73}u_1^{46} - 35184372088832u_5^3u_2^{73}u_1^{45})x_5^2x_1-$$
$$35184372088832u_5^3u_2^{75}u_1^{45}x_5^2+$$
$$(-35184372088832u_6u_5^2u_2^{73}u_1^{45} - 70368744177664u_6u_5u_2^{74}u_1^{46}-$$
$$70368744177664u_5^2u_2^{74}u_1^{46} - 281474976710656u_5u_2^{73}u_1^{48}+$$
$$140737488355328u_5u_2^{73}u_1^{47})x_5x_4x_1+$$
$$(-35184372088832u_6u_5^2u_2^{75}u_1^{45} + 70368744177664u_6u_5^2u_2^{73}u_1^{46}+$$
$$70368744177664u_6u_5u_2^{74}u_1^{46})x_5x_4 + 35184372088832u_6u_5^3u_2^{74}u_1^{45}x_5x_1-$$
$$35184372088832u_6u_5^3u_2^{74}u_1^{45}x_5+$$
$$(35184372088832u_6^2u_5^2u_2^{74}u_1^{45} + 140737488355328u_6^2u_5u_2^{73}u_1^{47}-$$
$$70368744177664u_6^2u_5u_2^{73}u_1^{46})x_4x_1$$

S-pol added.

1304. Creating S-polynomial from the pair (p_4, p_{294}).

Forming S-pol of p_4 and p_{294}:

$$p_{1703} = (536870912u_5u_2^{45}u_1^{29} + 1073741824u_2^{46}u_1^{30})x_5^2x_4+$$
$$(1073741824u_5^2u_2^{44}u_1^{30} - 536870912u_5^2u_2^{44}u_1^{29})x_5^2x_1-$$
$$536870912u_5^2u_2^{46}u_1^{29}x_5^2+$$
$$(-536870912u_6u_5u_2^{44}u_1^{29} - 1073741824u_6u_2^{45}u_1^{30} - 1073741824u_5u_2^{45}u_1^{30}-$$
$$4294967296u_2^{44}u_1^{32} + 2147483648u_2^{44}u_1^{31})x_5x_4x_1+$$
$$(-536870912u_6u_5u_2^{46}u_1^{29} + 1073741824u_6u_5u_2^{44}u_1^{30}+$$
$$1073741824u_6u_2^{45}u_1^{30})x_5x_4 + 536870912u_6u_5^2u_2^{45}u_1^{29}x_5x_1-$$
$$536870912u_6u_5^2u_2^{45}u_1^{29}x_5+$$
$$(536870912u_6^2u_5u_2^{45}u_1^{29} + 2147483648u_6^2u_2^{44}u_1^{31}-$$
$$1073741824u_6^2u_2^{44}u_1^{30})x_4x_1$$

S-pol added.

1305. Creating S-polynomial from the pair (p_4, p_{295}).

Forming S-pol of p_4 and p_{295}:

$$p_{1704} = (268435456u_5u_2^{44}u_1^{28} + 536870912u_2^{45}u_1^{29})x_5^2x_4+$$
$$(536870912u_5^2u_2^{43}u_1^{29} - 268435456u_5^2u_2^{43}u_1^{28})x_5^2x_1-$$
$$268435456u_5^2u_2^{45}u_1^{28}x_5^2+$$
$$(-268435456u_6u_5u_2^{43}u_1^{28} - 536870912u_6u_2^{44}u_1^{29} - 536870912u_5u_2^{44}u_1^{29}-$$

$$2147483648u_2^{43}u_1^{31} + 1073741824u_2^{43}u_1^{30})x_5x_4x_1+$$
$$(-268435456u_6u_5u_2^{45}u_1^{28} + 536870912u_6u_5u_2^{43}u_1^{29}+$$
$$536870912u_6u_2^{44}u_1^{29})x_5x_4 + 268435456u_6u_5^2u_2^{44}u_1^{28}x_5x_1-$$
$$268435456u_6u_5^2u_2^{44}u_1^{28}x_5+$$
$$(268435456u_6^2u_5u_2^{44}u_1^{28} + 1073741824u_6^2u_2^{43}u_1^{30}-$$
$$536870912u_6^2u_2^{43}u_1^{29})x_4x_1$$

S-pol added.

1306. Creating S-polynomial from the pair (p_4, p_{296}).

Forming S-pol of p_4 and p_{296}:

$$p_{1705} = (536870912u_5u_2^{45}u_1^{29} + 1073741824u_2^{46}u_1^{30})x_5^2x_4+$$
$$(1073741824u_5^2u_2^{44}u_1^{30} - 536870912u_5^2u_2^{44}u_1^{29})x_5^2x_1-$$
$$536870912u_5^2u_2^{46}u_1^{29}x_5^2+$$
$$(-536870912u_6u_5u_2^{44}u_1^{29} - 1073741824u_6u_2^{45}u_1^{30} - 1073741824u_5u_2^{45}u_1^{30}-$$
$$4294967296u_2^{44}u_1^{32} + 2147483648u_2^{44}u_1^{31})x_5x_4x_1+$$
$$(-536870912u_6u_5u_2^{46}u_1^{29} + 1073741824u_6u_5u_2^{44}u_1^{30}+$$
$$1073741824u_6u_2^{45}u_1^{30})x_5x_4 + 536870912u_6u_5^2u_2^{45}u_1^{29}x_5x_1-$$
$$536870912u_6u_5^2u_2^{45}u_1^{29}x_5+$$
$$(536870912u_6^2u_5u_2^{45}u_1^{29} + 2147483648u_6^2u_2^{44}u_1^{31}-$$
$$1073741824u_6^2u_2^{44}u_1^{30})x_4x_1$$

S-pol added.

1307. Creating S-polynomial from the pair (p_4, p_{297}).

Forming S-pol of p_4 and p_{297}:

$$p_{1706} = (1073741824u_5u_2^{50}u_1^{30} + 2147483648u_2^{51}u_1^{31})x_5^2x_4+$$
$$(2147483648u_5^2u_2^{49}u_1^{31} - 1073741824u_5^2u_2^{49}u_1^{30})x_5^2x_1-$$
$$1073741824u_5^2u_2^{51}u_1^{30}x_5^2+$$
$$(-1073741824u_6u_5u_2^{49}u_1^{30} - 2147483648u_6u_2^{50}u_1^{31} - 2147483648u_5u_2^{50}u_1^{31}-$$
$$8589934592u_2^{49}u_1^{33} + 4294967296u_2^{49}u_1^{32})x_5x_4x_1+$$
$$(-1073741824u_6u_5u_2^{51}u_1^{30} + 2147483648u_6u_5u_2^{49}u_1^{31}+$$
$$2147483648u_6u_2^{50}u_1^{31})x_5x_4 + 1073741824u_6u_5^2u_2^{50}u_1^{30}x_5x_1-$$
$$1073741824u_6u_5^2u_2^{50}u_1^{30}x_5+$$
$$(1073741824u_6^2u_5u_2^{50}u_1^{30} + 4294967296u_6^2u_2^{49}u_1^{32}-$$
$$2147483648u_6^2u_2^{49}u_1^{31})x_4x_1$$

S-pol added.

1308. Creating S-polynomial from the pair (p_4, p_{298}).

Forming S-pol of p_4 and p_{298}:

$$p_{1707} = -32768u_2^{25}u_1^{15}x_5^2x_4+$$
$$(32768u_6u_2^{24}u_1^{15} + 131072u_2^{23}u_1^{17} - 65536u_2^{23}u_1^{16})x_5x_4x_1-$$
$$32768u_6u_2^{24}u_1^{15}x_5x_4+$$
$$(-65536u_6^2u_2^{23}u_1^{16} + 32768u_6^2u_2^{23}u_1^{15})x_4x_1$$

S-pol added.

1309. Creating S-polynomial from the pair (p_4, p_{299}).

Forming S-pol of p_4 and p_{299}: Polynomial too big for output (text size is 3712 characters, number of terms is 8)

S-pol added.

1310. Creating S-polynomial from the pair (p_4, p_{300}).

Forming S-pol of p_4 and p_{300}: Polynomial too big for output (text size is 3712 characters, number of terms is 8)

S-pol added.

1311. Creating S-polynomial from the pair (p_4, p_{301}).

Forming S-pol of p_4 and p_{301}: Polynomial too big for output (text size is 6247 characters, number of terms is 16)

S-pol added.

1312. Creating S-polynomial from the pair (p_4, p_{302}).

Forming S-pol of p_4 and p_{302}: Polynomial too big for output (text size is 1184 characters, number of terms is 8)

S-pol added.

1313. Creating S-polynomial from the pair (p_4, p_{303}).

Forming S-pol of p_4 and p_{303}: Polynomial too big for output (text size is 3274 characters, number of terms is 8)

S-pol added.

1314. Creating S-polynomial from the pair (p_4, p_{304}).

Forming S-pol of p_4 and p_{304}: Polynomial too big for output (text size is 2843 characters, number of terms is 8)

S-pol added.

1315. Creating S-polynomial from the pair (p_4, p_{305}).

Forming S-pol of p_4 and p_{305}: Polynomial too big for output (text size is 3025 characters, number of terms is 8)

S-pol added.

1316. Creating S-polynomial from the pair (p_4, p_{306}).

Forming S-pol of p_4 and p_{306}:

$$p_{1708} = 2097152u_2^{36}u_1^{21}x_5^2x_4+$$
$$(2097152u_5^2u_2^{34}u_1^{21} - 1048576u_5^2u_2^{34}u_1^{20})x_5^2x_1-$$
$$1048576u_5^2u_2^{36}u_1^{20}x_5^2+$$
$$(-2097152u_6u_2^{35}u_1^{21} - 8388608u_2^{34}u_1^{23} + 4194304u_2^{34}u_1^{22})x_5x_4x_1+$$
$$2097152u_6u_2^{35}u_1^{21}x_5x_4 + 1048576u_6u_5^2u_2^{35}u_1^{20}x_5x_1-$$
$$1048576u_6u_5^2u_2^{35}u_1^{20}x_5+$$
$$(4194304u_6^2u_2^{34}u_1^{22} - 2097152u_6^2u_2^{34}u_1^{21})x_4x_1$$

S-pol added.

1317. Creating S-polynomial from the pair (p_4, p_{307}).

Forming S-pol of p_4 and p_{307}:

$$p_{1709} = 4194304u_2^{30}u_1^{22}x_5^2x_4+$$
$$(4194304u_5^2u_2^{28}u_1^{22} - 2097152u_5^2u_2^{28}u_1^{21})x_5^2x_1-$$
$$2097152u_5^2u_2^{30}u_1^{21}x_5^2+$$
$$(-4194304u_6u_2^{29}u_1^{22} - 16777216u_2^{28}u_1^{24} + 8388608u_2^{28}u_1^{23})x_5x_4x_1+$$
$$4194304u_6u_2^{29}u_1^{22}x_5x_4 + 2097152u_6u_5^2u_2^{29}u_1^{21}x_5x_1-$$
$$2097152u_6u_5^2u_2^{29}u_1^{21}x_5+$$
$$(8388608u_6^2u_2^{28}u_1^{23} - 4194304u_6^2u_2^{28}u_1^{22})x_4x_1$$

S-pol added.

1318. Creating S-polynomial from the pair (p_4, p_{308}).

Forming S-pol of p_4 and p_{308}: Polynomial too big for output (text size is 2845 characters, number of terms is 8)

S-pol added.

1319. Creating S-polynomial from the pair (p_4, p_{309}).

Forming S-pol of p_4 and p_{309}: Polynomial too big for output (text size is 6247 characters, number of terms is 16)

S-pol added.

1320. Creating S-polynomial from the pair (p_4, p_{310}).

Forming S-pol of p_4 and p_{310}: Polynomial too big for output (text size is 1184 characters, number of terms is 8)

S-pol added.

1321. Creating S-polynomial from the pair (p_4, p_{311}).

Forming S-pol of p_4 and p_{311}: Polynomial too big for output (text size is 3274 characters, number of terms is 8)

S-pol added.

1322. Creating S-polynomial from the pair (p_4, p_{312}).

Forming S-pol of p_4 and p_{312}:

$$p_{1710} = 16384u_2^{24}u_1^{14}x_5^2x_4+$$
$$(-16384u_6u_2^{23}u_1^{14} - 65536u_2^{22}u_1^{16} + 32768u_2^{22}u_1^{15})x_5x_4x_1+$$
$$16384u_6u_2^{23}u_1^{14}x_5x_4+$$
$$(32768u_6^2u_2^{22}u_1^{15} - 16384u_6^2u_2^{22}u_1^{14})x_4x_1$$

S-pol added.

1323. Creating S-polynomial from the pair (p_4, p_{313}).

Forming S-pol of p_4 and p_{313}:

$$p_{1711} = -8388608u_5u_3^{35}u_1^{23}x_5^2x_4+$$
$$(8388608u_6u_5u_3^{34}u_1^{23} + 33554432u_5u_3^{33}u_1^{25}-$$
$$16777216u_5u_3^{33}u_1^{24})x_5x_4x_2 - 8388608u_6u_5u_3^{34}u_1^{23}x_5x_4+$$
$$(-16777216u_6^2u_5u_3^{33}u_1^{24} + 8388608u_6^2u_5u_3^{33}u_1^{23})x_4x_2$$

S-pol added.

1324. Creating S-polynomial from the pair (p_4, p_{314}).

Forming S-pol of p_4 and p_{314}:

$$p_{1712} = -4194304u_5u_3^{34}u_1^{22}x_5^2x_4+$$
$$(4194304u_6u_5u_3^{33}u_1^{22} + 16777216u_5u_3^{32}u_1^{24} - 8388608u_5u_3^{32}u_1^{23})x_5x_4x_2-$$
$$4194304u_6u_5u_3^{33}u_1^{22}x_5x_4+$$
$$(-8388608u_6^2u_5u_3^{32}u_1^{23} + 4194304u_6^2u_5u_3^{32}u_1^{22})x_4x_2$$

S-pol added.

1325. Creating S-polynomial from the pair (p_4, p_{315}).

Forming S-pol of p_4 and p_{315}:

$$p_{1713} = (70368744177664u_5^2u_3^{75}u_1^{46} + 140737488355328u_5u_3^{76}u_1^{47})x_5^2x_4+$$
$$(140737488355328u_5^3u_3^{74}u_1^{47} - 70368744177664u_5^3u_3^{74}u_1^{46})x_5^2x_2-$$
$$70368744177664u_5^3u_3^{76}u_1^{46}x_5^2+$$
$$(-70368744177664u_6u_5^2u_3^{74}u_1^{46} - 140737488355328u_6u_5u_3^{75}u_1^{47}-$$
$$140737488355328u_5^2u_3^{75}u_1^{47} - 562949953421312u_5u_3^{74}u_1^{49}+$$
$$281474976710656u_5u_3^{74}u_1^{48})x_5x_4x_2+$$
$$(-70368744177664u_6u_5^2u_3^{76}u_1^{46} + 140737488355328u_6u_5^2u_3^{74}u_1^{47}+$$
$$140737488355328u_6u_5u_3^{75}u_1^{47})x_5x_4 + 70368744177664u_6u_5^3u_3^{75}u_1^{46}x_5x_2-$$
$$70368744177664u_6u_5^3u_3^{75}u_1^{46}x_5+$$
$$(70368744177664u_6^2u_5^2u_3^{75}u_1^{46} + 281474976710656u_6^2u_5u_3^{74}u_1^{48}-$$
$$140737488355328u_6^2u_5u_3^{74}u_1^{47})x_4x_2$$

S-pol added.

1326. Creating S-polynomial from the pair (p_4, p_{316}).

Forming S-pol of p_4 and p_{316}:

$$p_{1714} = (35184372088832u_5^2u_3^{74}u_1^{45} + 70368744177664u_5u_3^{75}u_1^{46})x_5^2x_4+$$
$$(70368744177664u_5^3u_3^{73}u_1^{46} - 35184372088832u_5^3u_3^{73}u_1^{45})x_5^2x_2-$$
$$35184372088832u_5^3u_3^{75}u_1^{45}x_5^2+$$
$$(-35184372088832u_6u_5^2u_3^{73}u_1^{45} - 70368744177664u_6u_5u_3^{74}u_1^{46}-$$
$$70368744177664u_5^2u_3^{74}u_1^{46} - 281474976710656u_5u_3^{73}u_1^{48}+$$
$$140737488355328u_5u_3^{73}u_1^{47})x_5x_4x_2+$$
$$(-35184372088832u_6u_5^2u_3^{75}u_1^{45} + 70368744177664u_6u_5^2u_3^{73}u_1^{46}+$$
$$70368744177664u_6u_5u_3^{74}u_1^{46})x_5x_4 + 35184372088832u_6u_5^3u_3^{74}u_1^{45}x_5x_2-$$
$$35184372088832u_6u_5^3u_3^{74}u_1^{45}x_5+$$
$$(35184372088832u_6^2u_5^2u_3^{74}u_1^{45} + 140737488355328u_6^2u_5u_3^{73}u_1^{47}-$$
$$70368744177664u_6^2u_5u_3^{73}u_1^{46})x_4x_2$$

S-pol added.

1327. Creating S-polynomial from the pair (p_4, p_{317}).

Forming S-pol of p_4 and p_{317}:

$$p_{1715} = (536870912u_5u_3^{45}u_1^{29} + 1073741824u_3^{46}u_1^{30})x_5^2x_4+$$
$$(1073741824u_5^2u_3^{44}u_1^{30} - 536870912u_5^2u_3^{44}u_1^{29})x_5^2x_2-$$
$$536870912u_5^2u_3^{46}u_1^{29}x_5^2+$$
$$(-536870912u_6u_5u_3^{44}u_1^{29} - 1073741824u_6u_3^{45}u_1^{30} - 1073741824u_5u_3^{45}u_1^{30}-$$
$$4294967296u_3^{44}u_1^{32} + 2147483648u_3^{44}u_1^{31})x_5x_4x_2+$$
$$(-536870912u_6u_5u_3^{46}u_1^{29} + 1073741824u_6u_5u_3^{44}u_1^{30}+$$
$$1073741824u_6u_3^{45}u_1^{30})x_5x_4 + 536870912u_6u_5^2u_3^{45}u_1^{29}x_5x_2-$$
$$536870912u_6u_5^2u_3^{45}u_1^{29}x_5+$$
$$(536870912u_6^2u_5u_3^{45}u_1^{29} + 2147483648u_6^2u_3^{44}u_1^{31}-$$
$$1073741824u_6^2u_3^{44}u_1^{30})x_4x_2$$

S-pol added.

1328. Creating S-polynomial from the pair (p_4, p_{318}).

Forming S-pol of p_4 and p_{318}:

$$p_{1716} = (268435456u_5u_3^{44}u_1^{28} + 536870912u_3^{45}u_1^{29})x_5^2x_4+$$
$$(536870912u_5^2u_3^{43}u_1^{29} - 268435456u_5^2u_3^{43}u_1^{28})x_5^2x_2-$$
$$268435456u_5^2u_3^{45}u_1^{28}x_5^2+$$
$$(-268435456u_6u_5u_3^{43}u_1^{28} - 536870912u_6u_3^{44}u_1^{29} - 536870912u_5u_3^{44}u_1^{29}-$$

$$2147483648u_3^{43}u_1^{31} + 1073741824u_3^{43}u_1^{30})x_5x_4x_2+$$
$$(-268435456u_6u_5u_3^{45}u_1^{28} + 536870912u_6u_5u_3^{43}u_1^{29}+$$
$$536870912u_6u_3^{44}u_1^{29})x_5x_4 + 268435456u_6u_5^2u_3^{44}u_1^{28}x_5x_2-$$
$$268435456u_6u_5^2u_3^{44}u_1^{28}x_5+$$
$$(268435456u_6^2u_5u_3^{44}u_1^{28} + 1073741824u_6^2u_3^{43}u_1^{30}-$$
$$536870912u_6^2u_3^{43}u_1^{29})x_4x_2$$

S-pol added.

1329. Creating S-polynomial from the pair (p_4, p_{319}).

Forming S-pol of p_4 and p_{319}:

$$p_{1717} = (536870912u_5u_3^{45}u_1^{29} + 1073741824u_3^{46}u_1^{30})x_5^2x_4+$$
$$(1073741824u_5^2u_3^{44}u_1^{30} - 536870912u_5^2u_3^{44}u_1^{29})x_5^2x_2-$$
$$536870912u_5^2u_3^{46}u_1^{29}x_5^2+$$
$$(-536870912u_6u_5u_3^{44}u_1^{29} - 1073741824u_6u_3^{45}u_1^{30} - 1073741824u_5u_3^{45}u_1^{30}-$$
$$4294967296u_3^{44}u_1^{32} + 2147483648u_3^{44}u_1^{31})x_5x_4x_2+$$
$$(-536870912u_6u_5u_3^{46}u_1^{29} + 1073741824u_6u_5u_3^{44}u_1^{30}+$$
$$1073741824u_6u_3^{45}u_1^{30})x_5x_4 + 536870912u_6u_5^2u_3^{45}u_1^{29}x_5x_2-$$
$$536870912u_6u_5^2u_3^{45}u_1^{29}x_5+$$
$$(536870912u_6^2u_5u_3^{45}u_1^{29} + 2147483648u_6^2u_3^{44}u_1^{31}-$$
$$1073741824u_6^2u_3^{44}u_1^{30})x_4x_2$$

S-pol added.

1330. Creating S-polynomial from the pair (p_4, p_{320}).

Forming S-pol of p_4 and p_{320}:

$$p_{1718} = (1073741824u_5u_3^{50}u_1^{30} + 2147483648u_3^{51}u_1^{31})x_5^2x_4+$$
$$(2147483648u_5^2u_3^{49}u_1^{31} - 1073741824u_5^2u_3^{49}u_1^{30})x_5^2x_2-$$
$$1073741824u_5^2u_3^{51}u_1^{30}x_5^2+$$
$$(-1073741824u_6u_5u_3^{49}u_1^{30} - 2147483648u_6u_3^{50}u_1^{31} - 2147483648u_5u_3^{50}u_1^{31}-$$
$$8589934592u_3^{49}u_1^{33} + 4294967296u_3^{49}u_1^{32})x_5x_4x_2+$$
$$(-1073741824u_6u_5u_3^{51}u_1^{30} + 2147483648u_6u_5u_3^{49}u_1^{31}+$$
$$2147483648u_6u_3^{50}u_1^{31})x_5x_4 + 1073741824u_6u_5^2u_3^{50}u_1^{30}x_5x_2-$$
$$1073741824u_6u_5^2u_3^{50}u_1^{30}x_5+$$
$$(1073741824u_6^2u_5u_3^{50}u_1^{30} + 4294967296u_6^2u_3^{49}u_1^{32}-$$
$$2147483648u_6^2u_3^{49}u_1^{31})x_4x_2$$

S-pol added.

1331. Creating S-polynomial from the pair (p_4, p_{321}).

Forming S-pol of p_4 and p_{321}:

$$p_{1719} = -32768u_3^{25}u_1^{15}x_5^2x_4+$$
$$(32768u_6u_3^{24}u_1^{15} + 131072u_3^{23}u_1^{17} - 65536u_3^{23}u_1^{16})x_5x_4x_2-$$
$$32768u_6u_3^{24}u_1^{15}x_5x_4+$$
$$(-65536u_6^2u_3^{23}u_1^{16} + 32768u_6^2u_3^{23}u_1^{15})x_4x_2$$

S-pol added.

1332. Creating S-polynomial from the pair (p_4, p_{322}).

Forming S-pol of p_4 and p_{322}: Polynomial too big for output (text size is 3712 characters, number of terms is 8)

S-pol added.

1333. Creating S-polynomial from the pair (p_4, p_{323}).

Forming S-pol of p_4 and p_{323}: Polynomial too big for output (text size is 3025 characters, number of terms is 8)

S-pol added.

1334. Creating S-polynomial from the pair (p_4, p_{324}).

Forming S-pol of p_4 and p_{324}:

$$p_{1720} = 2097152u_3^{36}u_1^{21}x_5^2x_4+$$
$$(2097152u_5^2u_3^{34}u_1^{21} - 1048576u_5^2u_3^{34}u_1^{20})x_5^2x_2-$$
$$1048576u_5^2u_3^{36}u_1^{20}x_5^2+$$
$$(-2097152u_6u_3^{35}u_1^{21} - 8388608u_3^{34}u_1^{23} + 4194304u_3^{34}u_1^{22})x_5x_4x_2+$$
$$2097152u_6u_3^{35}u_1^{21}x_5x_4 + 1048576u_6u_5^2u_3^{35}u_1^{20}x_5x_2-$$
$$1048576u_6u_5^2u_3^{35}u_1^{20}x_5+$$
$$(4194304u_6^2u_3^{34}u_1^{22} - 2097152u_6^2u_3^{34}u_1^{21})x_4x_2$$

S-pol added.

1335. Creating S-polynomial from the pair (p_4, p_{325}).

Forming S-pol of p_4 and p_{325}:

$$p_{1721} = 4194304u_3^{30}u_1^{22}x_5^2x_4+$$
$$(4194304u_5^2u_3^{28}u_1^{22} - 2097152u_5^2u_3^{28}u_1^{21})x_5^2x_2-$$
$$2097152u_5^2u_3^{30}u_1^{21}x_5^2+$$
$$(-4194304u_6u_3^{29}u_1^{22} - 16777216u_3^{28}u_1^{24} + 8388608u_3^{28}u_1^{23})x_5x_4x_2+$$
$$4194304u_6u_3^{29}u_1^{22}x_5x_4 + 2097152u_6u_5^2u_3^{29}u_1^{21}x_5x_2-$$
$$2097152u_6u_5^2u_3^{29}u_1^{21}x_5+$$
$$(8388608u_6^2u_3^{28}u_1^{23} - 4194304u_6^2u_3^{28}u_1^{22})x_4x_2$$

S-pol added.

1336. Creating S-polynomial from the pair (p_4, p_{326}).

Forming S-pol of p_4 and p_{326}: Polynomial too big for output (text size is 2965 characters, number of terms is 8)

S-pol added.

1337. Creating S-polynomial from the pair (p_4, p_{327}).

Forming S-pol of p_4 and p_{327}: Polynomial too big for output (text size is 2845 characters, number of terms is 8)

S-pol added.

1338. Creating S-polynomial from the pair (p_4, p_{328}).

Forming S-pol of p_4 and p_{328}: Polynomial too big for output (text size is 6203 characters, number of terms is 16)

S-pol added.

1339. Creating S-polynomial from the pair (p_4, p_{329}).

Forming S-pol of p_4 and p_{329}: Polynomial too big for output (text size is 1167 characters, number of terms is 8)

S-pol added.

1340. Creating S-polynomial from the pair (p_4, p_{330}).

Forming S-pol of p_4 and p_{330}: Polynomial too big for output (text size is 3272 characters, number of terms is 8)

S-pol added.

1341. Creating S-polynomial from the pair (p_4, p_{331}).

Forming S-pol of p_4 and p_{331}: Polynomial too big for output (text size is 6247 characters, number of terms is 16)

S-pol added.

1342. Creating S-polynomial from the pair (p_4, p_{332}).

Forming S-pol of p_4 and p_{332}: Polynomial too big for output (text size is 1184 characters, number of terms is 8)

S-pol added.

1343. Creating S-polynomial from the pair (p_4, p_{333}).

Forming S-pol of p_4 and p_{333}: Polynomial too big for output (text size is 3274 characters, number of terms is 8)

S-pol added.

1344. Creating S-polynomial from the pair (p_4, p_{334}).

Forming S-pol of p_4 and p_{334}:

$$p_{1722} = 16384u_3^{24}u_1^{14}x_5^2x_4+$$
$$(-16384u_6u_3^{23}u_1^{14} - 65536u_3^{22}u_1^{16} + 32768u_3^{22}u_1^{15})x_5x_4x_2+$$
$$16384u_6u_3^{23}u_1^{14}x_5x_4+$$
$$(32768u_6^2u_3^{22}u_1^{15} - 16384u_6^2u_3^{22}u_1^{14})x_4x_2$$

S-pol added.

1345. Creating S-polynomial from the pair (p_4, p_{335}).

Forming S-pol of p_4 and p_{335}:

$$p_{1723} = -8388608u_5u_4^{35}u_1^{23}x_5^2x_4+$$
$$(8388608u_6u_5u_4^{34}u_1^{23} + 33554432u_5u_4^{33}u_1^{25}-$$
$$16777216u_5u_4^{33}u_1^{24})x_5x_4x_3 - 8388608u_6u_5u_4^{34}u_1^{23}x_5x_4+$$
$$(-16777216u_6^2u_5u_4^{33}u_1^{24} + 8388608u_6^2u_5u_4^{33}u_1^{23})x_4x_3$$

S-pol added.

1346. Creating S-polynomial from the pair (p_4, p_{336}).

Forming S-pol of p_4 and p_{336}:

$$p_{1724} = -4194304u_5u_4^{34}u_1^{22}x_5^2x_4+$$
$$(4194304u_6u_5u_4^{33}u_1^{22} + 16777216u_5u_4^{32}u_1^{24} - 8388608u_5u_4^{32}u_1^{23})x_5x_4x_3-$$
$$4194304u_6u_5u_4^{33}u_1^{22}x_5x_4+$$
$$(-8388608u_6^2u_5u_4^{32}u_1^{23} + 4194304u_6^2u_5u_4^{32}u_1^{22})x_4x_3$$

S-pol added.

1347. Creating S-polynomial from the pair (p_4, p_{337}).

Forming S-pol of p_4 and p_{337}:

$$p_{1725} = (70368744177664u_5^2u_4^{75}u_1^{46} + 140737488355328u_5u_4^{76}u_1^{47})x_5^2x_4+$$
$$(140737488355328u_5^3u_4^{74}u_1^{47} - 70368744177664u_5^3u_4^{74}u_1^{46})x_5^2x_3-$$
$$70368744177664u_5^3u_4^{76}u_1^{46}x_5^2+$$
$$(-70368744177664u_6u_5^2u_4^{74}u_1^{46} - 140737488355328u_6u_5u_4^{75}u_1^{47}-$$
$$140737488355328u_5^2u_4^{75}u_1^{47} - 562949953421312u_5u_4^{74}u_1^{49}+$$
$$281474976710656u_5u_4^{74}u_1^{48})x_5x_4x_3+$$
$$(-70368744177664u_6u_5^2u_4^{76}u_1^{46} + 140737488355328u_6u_5^2u_4^{74}u_1^{47}+$$
$$140737488355328u_6u_5u_4^{75}u_1^{47})x_5x_4 + 70368744177664u_6u_5^3u_4^{75}u_1^{46}x_5x_3-$$
$$70368744177664u_6u_5^3u_4^{75}u_1^{46}x_5+$$
$$(70368744177664u_6^2u_5^2u_4^{75}u_1^{46} + 281474976710656u_6^2u_5u_4^{74}u_1^{48}-$$
$$140737488355328u_6^2u_5u_4^{74}u_1^{47})x_4x_3$$

S-pol added.

1348. Creating S-polynomial from the pair (p_4, p_{338}).

Forming S-pol of p_4 and p_{338}:

$$p_{1726} = (35184372088832u_5^2u_4^{74}u_1^{45} + 70368744177664u_5u_4^{75}u_1^{46})x_5^2x_4+$$
$$(70368744177664u_5^3u_4^{73}u_1^{46} - 35184372088832u_5^3u_4^{73}u_1^{45})x_5^2x_3-$$
$$35184372088832u_5^3u_4^{75}u_1^{45}x_5^2+$$
$$(-35184372088832u_6u_5^2u_4^{73}u_1^{45} - 70368744177664u_6u_5u_4^{74}u_1^{46}-$$
$$70368744177664u_5^2u_4^{74}u_1^{46} - 281474976710656u_5u_4^{73}u_1^{48}+$$
$$140737488355328u_5u_4^{73}u_1^{47})x_5x_4x_3+$$
$$(-35184372088832u_6u_5^2u_4^{75}u_1^{45} + 70368744177664u_6u_5^2u_4^{73}u_1^{46}+$$
$$70368744177664u_6u_5u_4^{74}u_1^{46})x_5x_4 + 35184372088832u_6u_5^3u_4^{74}u_1^{45}x_5x_3-$$
$$35184372088832u_6u_5^3u_4^{74}u_1^{45}x_5+$$
$$(35184372088832u_6^2u_5^2u_4^{74}u_1^{45} + 140737488355328u_6^2u_5u_4^{73}u_1^{47}-$$
$$70368744177664u_6^2u_5u_4^{73}u_1^{46})x_4x_3$$

S-pol added.

1349. Creating S-polynomial from the pair (p_4, p_{339}).

Forming S-pol of p_4 and p_{339}:

$$p_{1727} = (536870912u_5u_4^{45}u_1^{29} + 1073741824u_4^{46}u_1^{30})x_5^2x_4+$$
$$(1073741824u_5^2u_4^{44}u_1^{30} - 536870912u_5^2u_4^{44}u_1^{29})x_5^2x_3-$$
$$536870912u_5^2u_4^{46}u_1^{29}x_5^2+$$
$$(-536870912u_6u_5u_4^{44}u_1^{29} - 1073741824u_6u_4^{45}u_1^{30} - 1073741824u_5u_4^{45}u_1^{30}-$$
$$4294967296u_4^{44}u_1^{32} + 2147483648u_4^{44}u_1^{31})x_5x_4x_3+$$
$$(-536870912u_6u_5u_4^{46}u_1^{29} + 1073741824u_6u_5u_4^{44}u_1^{30}+$$
$$1073741824u_6u_4^{45}u_1^{30})x_5x_4 + 536870912u_6u_5^2u_4^{45}u_1^{29}x_5x_3-$$
$$536870912u_6u_5^2u_4^{45}u_1^{29}x_5+$$
$$(536870912u_6^2u_5u_4^{45}u_1^{29} + 2147483648u_6^2u_4^{44}u_1^{31}-$$
$$1073741824u_6^2u_4^{44}u_1^{30})x_4x_3$$

S-pol added.

1350. Creating S-polynomial from the pair (p_4, p_{340}).

Forming S-pol of p_4 and p_{340}:

$$p_{1728} = (268435456u_5u_4^{44}u_1^{28} + 536870912u_4^{45}u_1^{29})x_5^2x_4+$$
$$(536870912u_5^2u_4^{43}u_1^{29} - 268435456u_5^2u_4^{43}u_1^{28})x_5^2x_3-$$
$$268435456u_5^2u_4^{45}u_1^{28}x_5^2+$$
$$(-268435456u_6u_5u_4^{43}u_1^{28} - 536870912u_6u_4^{44}u_1^{29} - 536870912u_5u_4^{44}u_1^{29}-$$

$$2147483648u_4^{43}u_1^{31} + 1073741824u_4^{43}u_1^{30})x_5x_4x_3+$$
$$(-268435456u_6u_5u_4^{45}u_1^{28} + 536870912u_6u_5u_4^{43}u_1^{29}+$$
$$536870912u_6u_4^{44}u_1^{29})x_5x_4 + 268435456u_6u_5^2u_4^{44}u_1^{28}x_5x_3-$$
$$268435456u_6u_5^2u_4^{44}u_1^{28}x_5+$$
$$(268435456u_6^2u_5u_4^{44}u_1^{28} + 1073741824u_6^2u_4^{43}u_1^{30}-$$
$$536870912u_6^2u_4^{43}u_1^{29})x_4x_3$$

S-pol added.

1351. Creating S-polynomial from the pair (p_4, p_{341}).

Forming S-pol of p_4 and p_{341}:

$$p_{1729} = (536870912u_5u_4^{45}u_1^{29} + 1073741824u_4^{46}u_1^{30})x_5^2x_4+$$
$$(1073741824u_5^2u_4^{44}u_1^{30} - 536870912u_5^2u_4^{44}u_1^{29})x_5^2x_3-$$
$$536870912u_5^2u_4^{46}u_1^{29}x_5^2+$$
$$(-536870912u_6u_5u_4^{44}u_1^{29} - 1073741824u_6u_4^{45}u_1^{30} - 1073741824u_5u_4^{45}u_1^{30}-$$
$$4294967296u_4^{44}u_1^{32} + 2147483648u_4^{44}u_1^{31})x_5x_4x_3+$$
$$(-536870912u_6u_5u_4^{46}u_1^{29} + 1073741824u_6u_5u_4^{44}u_1^{30}+$$
$$1073741824u_6u_4^{45}u_1^{30})x_5x_4 + 536870912u_6u_5^2u_4^{45}u_1^{29}x_5x_3-$$
$$536870912u_6u_5^2u_4^{45}u_1^{29}x_5+$$
$$(536870912u_6^2u_5u_4^{45}u_1^{29} + 2147483648u_6^2u_4^{44}u_1^{31}-$$
$$1073741824u_6^2u_4^{44}u_1^{30})x_4x_3$$

S-pol added.

1352. Creating S-polynomial from the pair (p_4, p_{342}).

Forming S-pol of p_4 and p_{342}:

$$p_{1730} = (1073741824u_5u_4^{50}u_1^{30} + 2147483648u_4^{51}u_1^{31})x_5^2x_4+$$
$$(2147483648u_5^2u_4^{49}u_1^{31} - 1073741824u_5^2u_4^{49}u_1^{30})x_5^2x_3-$$
$$1073741824u_5^2u_4^{51}u_1^{30}x_5^2+$$
$$(-1073741824u_6u_5u_4^{49}u_1^{30} - 2147483648u_6u_4^{50}u_1^{31} - 2147483648u_5u_4^{50}u_1^{31}-$$
$$8589934592u_4^{49}u_1^{33} + 4294967296u_4^{49}u_1^{32})x_5x_4x_3+$$
$$(-1073741824u_6u_5u_4^{51}u_1^{30} + 2147483648u_6u_5u_4^{49}u_1^{31}+$$
$$2147483648u_6u_4^{50}u_1^{31})x_5x_4 + 1073741824u_6u_5^2u_4^{50}u_1^{30}x_5x_3-$$
$$1073741824u_6u_5^2u_4^{50}u_1^{30}x_5+$$
$$(1073741824u_6^2u_5u_4^{50}u_1^{30} + 4294967296u_6^2u_4^{49}u_1^{32}-$$
$$2147483648u_6^2u_4^{49}u_1^{31})x_4x_3$$

S-pol added.

1353. Creating S-polynomial from the pair (p_4, p_{343}).

Forming S-pol of p_4 and p_{343}:

$$p_{1731} = -32768u_4^{25}u_1^{15}x_5^2x_4+$$
$$(32768u_6u_4^{24}u_1^{15} + 131072u_4^{23}u_1^{17} - 65536u_4^{23}u_1^{16})x_5x_4x_3-$$
$$32768u_6u_4^{24}u_1^{15}x_5x_4+$$
$$(-65536u_6^2u_4^{23}u_1^{16} + 32768u_6^2u_4^{23}u_1^{15})x_4x_3$$

S-pol added.

1354. Creating S-polynomial from the pair (p_4, p_{344}).

Forming S-pol of p_4 and p_{344}: Polynomial too big for output (text size is 6203 characters, number of terms is 16)

S-pol added.

1355. Creating S-polynomial from the pair (p_4, p_{345}).

Forming S-pol of p_4 and p_{345}: Polynomial too big for output (text size is 1167 characters, number of terms is 8)

S-pol added.

1356. Creating S-polynomial from the pair (p_4, p_{346}).

Forming S-pol of p_4 and p_{346}: Polynomial too big for output (text size is 3272 characters, number of terms is 8)

S-pol added.

1357. Creating S-polynomial from the pair (p_4, p_{347}).

Forming S-pol of p_4 and p_{347}: Polynomial too big for output (text size is 2969 characters, number of terms is 8)

S-pol added.

1358. Creating S-polynomial from the pair (p_4, p_{348}).

Forming S-pol of p_4 and p_{348}: Polynomial too big for output (text size is 6203 characters, number of terms is 16)

S-pol added.

1359. Creating S-polynomial from the pair (p_4, p_{349}).

Forming S-pol of p_4 and p_{349}: Polynomial too big for output (text size is 1167 characters, number of terms is 8)

S-pol added.

1360. Creating S-polynomial from the pair (p_4, p_{350}).

Forming S-pol of p_4 and p_{350}: Polynomial too big for output (text size is 3272 characters, number of terms is 8)

S-pol added.

1361. Creating S-polynomial from the pair (p_4, p_{351}).

Forming S-pol of p_4 and p_{351}: Polynomial too big for output (text size is 2969 characters, number of terms is 8)

S-pol added.

1362. Creating S-polynomial from the pair (p_4, p_{352}).

Forming S-pol of p_4 and p_{352}: Polynomial too big for output (text size is 3025 characters, number of terms is 8)

S-pol added.

1363. Creating S-polynomial from the pair (p_4, p_{353}).

Forming S-pol of p_4 and p_{353}:

$$p_{1732} = 2097152u_4^{36}u_1^{21}x_5^2x_4+$$
$$(2097152u_5^2u_4^{34}u_1^{21} - 1048576u_5^2u_4^{34}u_1^{20})x_5^2x_3-$$
$$1048576u_5^2u_4^{36}u_1^{20}x_5^2+$$
$$(-2097152u_6u_4^{35}u_1^{21} - 8388608u_4^{34}u_1^{23} + 4194304u_4^{34}u_1^{22})x_5x_4x_3+$$
$$2097152u_6u_4^{35}u_1^{21}x_5x_4 + 1048576u_6u_5^2u_4^{35}u_1^{20}x_5x_3-$$
$$1048576u_6u_5^2u_4^{35}u_1^{20}x_5+$$
$$(4194304u_6^2u_4^{34}u_1^{22} - 2097152u_6^2u_4^{34}u_1^{21})x_4x_3$$

S-pol added.

1364. Creating S-polynomial from the pair (p_4, p_{354}).

Forming S-pol of p_4 and p_{354}:

$$p_{1733} = 4194304u_4^{30}u_1^{22}x_5^2x_4+$$
$$(4194304u_5^2u_4^{28}u_1^{22} - 2097152u_5^2u_4^{28}u_1^{21})x_5^2x_3-$$
$$2097152u_5^2u_4^{30}u_1^{21}x_5^2+$$
$$(-4194304u_6u_4^{29}u_1^{22} - 16777216u_4^{28}u_1^{24} + 8388608u_4^{28}u_1^{23})x_5x_4x_3+$$
$$4194304u_6u_4^{29}u_1^{22}x_5x_4 + 2097152u_6u_5^2u_4^{29}u_1^{21}x_5x_3-$$
$$2097152u_6u_5^2u_4^{29}u_1^{21}x_5+$$
$$(8388608u_6^2u_4^{28}u_1^{23} - 4194304u_6^2u_4^{28}u_1^{22})x_4x_3$$

S-pol added.

1365. Creating S-polynomial from the pair (p_4, p_{355}).

Forming S-pol of p_4 and p_{355}:

$$p_{1734} = 16384u_4^{24}u_1^{14}x_5^2x_4+$$
$$(-16384u_6u_4^{23}u_1^{14} - 65536u_4^{22}u_1^{16} + 32768u_4^{22}u_1^{15})x_5x_4x_3+$$
$$16384u_6u_4^{23}u_1^{14}x_5x_4+$$
$$(32768u_6^2u_4^{22}u_1^{15} - 16384u_6^2u_4^{22}u_1^{14})x_4x_3$$

S-pol added.

1366. Creating S-polynomial from the pair (p_4, p_{356}).

Forming S-pol of p_4 and p_{356}: Polynomial too big for output (text size is 1590 characters, number of terms is 8)

S-pol added.

1367. Creating S-polynomial from the pair (p_4, p_{357}).

Forming S-pol of p_4 and p_{357}: Polynomial too big for output (text size is 2264 characters, number of terms is 8)

S-pol added.

1368. Creating S-polynomial from the pair (p_4, p_{358}).

Forming S-pol of p_4 and p_{358}: Polynomial too big for output (text size is 6228 characters, number of terms is 16)

S-pol added.

1369. Creating S-polynomial from the pair (p_4, p_{359}).

Forming S-pol of p_4 and p_{359}: Polynomial too big for output (text size is 6175 characters, number of terms is 16)

S-pol added.

1370. Creating S-polynomial from the pair (p_4, p_{360}).

Forming S-pol of p_4 and p_{360}:

$$p_{1735} = -262144u_3^{29}u_1^{18}x_5^2x_4+$$
$$(-262144u_5^2u_3^{27}u_1^{18} + 131072u_5^2u_3^{27}u_1^{17})x_5^2x_2+$$
$$131072u_5^2u_3^{29}u_1^{17}x_5^2+$$
$$(262144u_6u_3^{28}u_1^{18} + 1048576u_3^{27}u_1^{20} - 524288u_3^{27}u_1^{19})x_5x_4x_2-$$
$$262144u_6u_3^{28}u_1^{18}x_5x_4 - 131072u_6u_5^2u_3^{28}u_1^{17}x_5x_2+$$
$$131072u_6u_5^2u_3^{28}u_1^{17}x_5+$$
$$(-524288u_6^2u_3^{27}u_1^{19} + 262144u_6^2u_3^{27}u_1^{18})x_4x_2$$

S-pol added.

1371. Creating S-polynomial from the pair (p_4, p_{361}).

Forming S-pol of p_4 and p_{361}: Polynomial too big for output (text size is 1175 characters, number of terms is 8)

S-pol added.

1372. Creating S-polynomial from the pair (p_4, p_{362}).

Forming S-pol of p_4 and p_{362}: Polynomial too big for output (text size is 1162 characters, number of terms is 8)

S-pol added.

1373. Creating S-polynomial from the pair (p_4, p_{363}).

Forming S-pol of p_4 and p_{363}: Polynomial too big for output (text size is 2952 characters, number of terms is 8)

S-pol added.

1374. Creating S-polynomial from the pair (p_4, p_{364}).

Forming S-pol of p_4 and p_{364}: Polynomial too big for output (text size is 2838 characters, number of terms is 8)

S-pol added.

1375. Creating S-polynomial from the pair (p_4, p_{365}).

Forming S-pol of p_4 and p_{365}: Polynomial too big for output (text size is 6174 characters, number of terms is 16)

S-pol added.

1376. Creating S-polynomial from the pair (p_4, p_{366}).

Forming S-pol of p_4 and p_{366}: Polynomial too big for output (text size is 1164 characters, number of terms is 8)

S-pol added.

1377. Creating S-polynomial from the pair (p_4, p_{367}).

Forming S-pol of p_4 and p_{367}: Polynomial too big for output (text size is 2212 characters, number of terms is 8)

S-pol added.

1378. Creating S-polynomial from the pair (p_4, p_{368}).

Forming S-pol of p_4 and p_{368}: Polynomial too big for output (text size is 6225 characters, number of terms is 16)

S-pol added.

1379. Creating S-polynomial from the pair (p_4, p_{369}).

Forming S-pol of p_4 and p_{369}: Polynomial too big for output (text size is 1176 characters, number of terms is 8)

S-pol added.

1380. Creating S-polynomial from the pair (p_4, p_{370}).

Forming S-pol of p_4 and p_{370}: Polynomial too big for output (text size is 2214 characters, number of terms is 8)

S-pol added.

1381. Creating S-polynomial from the pair (p_4, p_{371}).

Forming S-pol of p_4 and p_{371}: Polynomial too big for output (text size is 2838 characters, number of terms is 8)

S-pol added.

1382. Creating S-polynomial from the pair (p_4, p_{372}).

Forming S-pol of p_4 and p_{372}: Polynomial too big for output (text size is 2952 characters, number of terms is 8)

S-pol added.

1383. Creating S-polynomial from the pair (p_4, p_{373}).

Forming S-pol of p_4 and p_{373}: Polynomial too big for output (text size is 1590 characters, number of terms is 8)

S-pol added.

1384. Creating S-polynomial from the pair (p_4, p_{374}).

Forming S-pol of p_4 and p_{374}: Polynomial too big for output (text size is 2264 characters, number of terms is 8)

S-pol added.

1385. Creating S-polynomial from the pair (p_4, p_{375}).

Forming S-pol of p_4 and p_{375}: Polynomial too big for output (text size is 6175 characters, number of terms is 16)

S-pol added.

1386. Creating S-polynomial from the pair (p_4, p_{376}).

Forming S-pol of p_4 and p_{376}:

$$p_{1736} = -262144u_2^{29}u_1^{18}x_5^2x_4+$$
$$(-262144u_5^2u_2^{27}u_1^{18} + 131072u_5^2u_2^{27}u_1^{17})x_5^2x_1+$$
$$131072u_5^2u_2^{29}u_1^{17}x_5^2+$$
$$(262144u_6u_2^{28}u_1^{18} + 1048576u_2^{27}u_1^{20} - 524288u_2^{27}u_1^{19})x_5x_4x_1-$$
$$262144u_6u_2^{28}u_1^{18}x_5x_4 - 131072u_6u_5^2u_2^{28}u_1^{17}x_5x_1+$$
$$131072u_6u_5^2u_2^{28}u_1^{17}x_5+$$
$$(-524288u_6^2u_2^{27}u_1^{19} + 262144u_6^2u_2^{27}u_1^{18})x_4x_1$$

S-pol added.

1387. Creating S-polynomial from the pair (p_4, p_{377}).

Forming S-pol of p_4 and p_{377}: Polynomial too big for output (text size is 1162 characters, number of terms is 8)

S-pol added.

1388. Creating S-polynomial from the pair (p_4, p_{378}).

Forming S-pol of p_4 and p_{378}: Polynomial too big for output (text size is 2838 characters, number of terms is 8)

S-pol added.

1389. Creating S-polynomial from the pair (p_4, p_{379}).

Forming S-pol of p_4 and p_{379}: Polynomial too big for output (text size is 6225 characters, number of terms is 16)

S-pol added.

1390. Creating S-polynomial from the pair (p_4, p_{380}).

Forming S-pol of p_4 and p_{380}: Polynomial too big for output (text size is 1176 characters, number of terms is 8)

S-pol added.

1391. Creating S-polynomial from the pair (p_4, p_{381}).

Forming S-pol of p_4 and p_{381}: Polynomial too big for output (text size is 2214 characters, number of terms is 8)

S-pol added.

1392. Creating S-polynomial from the pair (p_4, p_{382}).

Forming S-pol of p_4 and p_{382}: Polynomial too big for output (text size is 2952 characters, number of terms is 8)

S-pol added.

1393. Creating S-polynomial from the pair (p_4, p_{383}).

Forming S-pol of p_4 and p_{383}: Polynomial too big for output (text size is 1590 characters, number of terms is 8)

S-pol added.

1394. Creating S-polynomial from the pair (p_4, p_{384}).

Forming S-pol of p_4 and p_{384}: Polynomial too big for output (text size is 2264 characters, number of terms is 8)

S-pol added.

1395. Creating S-polynomial from the pair (p_4, p_{385}).

Forming S-pol of p_4 and p_{385}:

$$p_{1737} = -262144u_4^{29}u_1^{18}x_5^2x_4+$$
$$(-262144u_5^2u_4^{27}u_1^{18} + 131072u_5^2u_4^{27}u_1^{17})x_5^2x_3+$$
$$131072u_5^2u_4^{29}u_1^{17}x_5^2+$$
$$(262144u_6u_4^{28}u_1^{18} + 1048576u_4^{27}u_1^{20} - 524288u_4^{27}u_1^{19})x_5x_4x_3-$$
$$262144u_6u_4^{28}u_1^{18}x_5x_4 - 131072u_6u_5^2u_4^{28}u_1^{17}x_5x_3+$$
$$131072u_6u_5^2u_4^{28}u_1^{17}x_5+$$
$$(-524288u_6^2u_4^{27}u_1^{19} + 262144u_6^2u_4^{27}u_1^{18})x_4x_3$$

S-pol added.

1396. Creating S-polynomial from the pair (p_5, p_{107}).

Skipping pair p_5 and p_{107} because gcd of their leading monoms is zero.

1397. Creating S-polynomial from the pair (p_5, p_{108}).
Skipping pair p_5 and p_{108} because gcd of their leading monoms is zero.

1398. Creating S-polynomial from the pair (p_5, p_{109}).
Skipping pair p_5 and p_{109} because gcd of their leading monoms is zero.

1399. Creating S-polynomial from the pair (p_5, p_{110}).
Skipping pair p_5 and p_{110} because gcd of their leading monoms is zero.

1400. Creating S-polynomial from the pair (p_5, p_{111}).
Skipping pair p_5 and p_{111} because gcd of their leading monoms is zero.

1401. Creating S-polynomial from the pair (p_5, p_{112}).
Skipping pair p_5 and p_{112} because gcd of their leading monoms is zero.

1402. Creating S-polynomial from the pair (p_5, p_{113}).
Skipping pair p_5 and p_{113} because gcd of their leading monoms is zero.

1403. Creating S-polynomial from the pair (p_5, p_{114}).
Skipping pair p_5 and p_{114} because gcd of their leading monoms is zero.

1404. Creating S-polynomial from the pair (p_5, p_{115}).
Skipping pair p_5 and p_{115} because gcd of their leading monoms is zero.

1405. Creating S-polynomial from the pair (p_5, p_{116}).
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1406. Creating S-polynomial from the pair (p_5, p_{117}).
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1407. Creating S-polynomial from the pair (p_5, p_{118}).
Skipping pair p_5 and p_{118} because gcd of their leading monoms is zero.

1408. Creating S-polynomial from the pair (p_5, p_{119}).
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1409. Creating S-polynomial from the pair (p_5, p_{120}).
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1410. Creating S-polynomial from the pair (p_5, p_{121}).
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1411. Creating S-polynomial from the pair (p_5, p_{122}).
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1412. Creating S-polynomial from the pair (p_5, p_{123}).
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1413. Creating S-polynomial from the pair (p_5, p_{124}).
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1414. Creating S-polynomial from the pair (p_5, p_{125}).
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1415. Creating S-polynomial from the pair (p_5, p_{126}).
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1416. Creating S-polynomial from the pair (p_5, p_{127}).
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1417. Creating S-polynomial from the pair (p_5, p_{128}).
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1418. Creating S-polynomial from the pair (p_5, p_{129}).
Skipping pair p_5 and p_{129} because gcd of their leading monoms is zero.

1419. Creating S-polynomial from the pair (p_5, p_{130}).
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1420. Creating S-polynomial from the pair (p_5, p_{131}).
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1421. Creating S-polynomial from the pair (p_5, p_{132}).
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1422. Creating S-polynomial from the pair (p_5, p_{133}).
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1423. Creating S-polynomial from the pair (p_5, p_{134}).
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1424. Creating S-polynomial from the pair (p_5, p_{135}).
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1425. Creating S-polynomial from the pair (p_5, p_{136}).
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1426. Creating S-polynomial from the pair (p_5, p_{137}).
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1427. Creating S-polynomial from the pair (p_5, p_{138}).
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1428. Creating S-polynomial from the pair (p_5, p_{139}).
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1429. Creating S-polynomial from the pair (p_5, p_{140}).
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1430. Creating S-polynomial from the pair (p_5, p_{141}).
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1431. Creating S-polynomial from the pair (p_5, p_{142}).
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1432. Creating S-polynomial from the pair (p_5, p_{143}).
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1433. Creating S-polynomial from the pair (p_5, p_{144}).
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1434. Creating S-polynomial from the pair (p_5, p_{145}).
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1435. Creating S-polynomial from the pair (p_5, p_{146}).
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1436. Creating S-polynomial from the pair (p_5, p_{147}).
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1437. Creating S-polynomial from the pair (p_5, p_{148}).
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1438. Creating S-polynomial from the pair (p_5, p_{149}).
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1449. Creating S-polynomial from the pair (p_5, p_{160}).
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1568. Creating S-polynomial from the pair (p_5, p_{279}).
Skipping pair p_5 and p_{279} because gcd of their leading monoms is zero.

1569. Creating S-polynomial from the pair (p_5, p_{280}).
Skipping pair p_5 and p_{280} because gcd of their leading monoms is zero.

1570. Creating S-polynomial from the pair (p_5, p_{281}).
Skipping pair p_5 and p_{281} because gcd of their leading monoms is zero.

1571. Creating S-polynomial from the pair (p_5, p_{282}).
Skipping pair p_5 and p_{282} because gcd of their leading monoms is zero.

1572. Creating S-polynomial from the pair (p_5, p_{283}).
Skipping pair p_5 and p_{283} because gcd of their leading monoms is zero.

1573. Creating S-polynomial from the pair (p_5, p_{284}).
Skipping pair p_5 and p_{284} because gcd of their leading monoms is zero.

1574. Creating S-polynomial from the pair (p_5, p_{285}).
Skipping pair p_5 and p_{285} because gcd of their leading monoms is zero.

1575. Creating S-polynomial from the pair (p_5, p_{286}).
Skipping pair p_5 and p_{286} because gcd of their leading monoms is zero.

1576. Creating S-polynomial from the pair (p_5, p_{287}).
Skipping pair p_5 and p_{287} because gcd of their leading monoms is zero.

1577. Creating S-polynomial from the pair (p_5, p_{288}).
Skipping pair p_5 and p_{288} because gcd of their leading monoms is zero.

1578. Creating S-polynomial from the pair (p_5, p_{289}).
Skipping pair p_5 and p_{289} because gcd of their leading monoms is zero.

1579. Creating S-polynomial from the pair (p_5, p_{290}).
Skipping pair p_5 and p_{290} because gcd of their leading monoms is zero.

1580. Creating S-polynomial from the pair (p_5, p_{291}).
Skipping pair p_5 and p_{291} because gcd of their leading monoms is zero.

1581. Creating S-polynomial from the pair (p_5, p_{292}).
Skipping pair p_5 and p_{292} because gcd of their leading monoms is zero.

1582. Creating S-polynomial from the pair (p_5, p_{293}).
Skipping pair p_5 and p_{293} because gcd of their leading monoms is zero.

1583. Creating S-polynomial from the pair (p_5, p_{294}).
Skipping pair p_5 and p_{294} because gcd of their leading monoms is zero.

1584. Creating S-polynomial from the pair (p_5, p_{295}).
Skipping pair p_5 and p_{295} because gcd of their leading monoms is zero.

1585. Creating S-polynomial from the pair (p_5, p_{296}).
Skipping pair p_5 and p_{296} because gcd of their leading monoms is zero.

1586. Creating S-polynomial from the pair (p_5, p_{297}).
Skipping pair p_5 and p_{297} because gcd of their leading monoms is zero.

1587. Creating S-polynomial from the pair (p_5, p_{298}).
Skipping pair p_5 and p_{298} because gcd of their leading monoms is zero.

1588. Creating S-polynomial from the pair (p_5, p_{299}).
Skipping pair p_5 and p_{299} because gcd of their leading monoms is zero.

1589. Creating S-polynomial from the pair (p_5, p_{300}).
Skipping pair p_5 and p_{300} because gcd of their leading monoms is zero.

1590. Creating S-polynomial from the pair (p_5, p_{301}).
Skipping pair p_5 and p_{301} because gcd of their leading monoms is zero.

1591. Creating S-polynomial from the pair (p_5, p_{302}).
Skipping pair p_5 and p_{302} because gcd of their leading monoms is zero.

1592. Creating S-polynomial from the pair (p_5, p_{303}).
Skipping pair p_5 and p_{303} because gcd of their leading monoms is zero.

1593. Creating S-polynomial from the pair (p_5, p_{304}).
Skipping pair p_5 and p_{304} because gcd of their leading monoms is zero.

1594. Creating S-polynomial from the pair (p_5, p_{305}).
Skipping pair p_5 and p_{305} because gcd of their leading monoms is zero.

1595. Creating S-polynomial from the pair (p_5, p_{306}).
Skipping pair p_5 and p_{306} because gcd of their leading monoms is zero.

1596. Creating S-polynomial from the pair (p_5, p_{307}).
Skipping pair p_5 and p_{307} because gcd of their leading monoms is zero.

1597. Creating S-polynomial from the pair (p_5, p_{308}).
Skipping pair p_5 and p_{308} because gcd of their leading monoms is zero.

1598. Creating S-polynomial from the pair (p_5, p_{309}).
Skipping pair p_5 and p_{309} because gcd of their leading monoms is zero.

1599. Creating S-polynomial from the pair (p_5, p_{310}).
Skipping pair p_5 and p_{310} because gcd of their leading monoms is zero.

1600. Creating S-polynomial from the pair (p_5, p_{311}).
Skipping pair p_5 and p_{311} because gcd of their leading monoms is zero.

1601. Creating S-polynomial from the pair (p_5, p_{312}).
Skipping pair p_5 and p_{312} because gcd of their leading monoms is zero.

1602. Creating S-polynomial from the pair (p_5, p_{313}).
Skipping pair p_5 and p_{313} because gcd of their leading monoms is zero.

1603. Creating S-polynomial from the pair (p_5, p_{314}).
Skipping pair p_5 and p_{314} because gcd of their leading monoms is zero.

1604. Creating S-polynomial from the pair (p_5, p_{315}).
Skipping pair p_5 and p_{315} because gcd of their leading monoms is zero.

1605. Creating S-polynomial from the pair (p_5, p_{316}).
Skipping pair p_5 and p_{316} because gcd of their leading monoms is zero.

1606. Creating S-polynomial from the pair (p_5, p_{317}).
Skipping pair p_5 and p_{317} because gcd of their leading monoms is zero.

1607. Creating S-polynomial from the pair (p_5, p_{318}).
Skipping pair p_5 and p_{318} because gcd of their leading monoms is zero.

1608. Creating S-polynomial from the pair (p_5, p_{319}).
Skipping pair p_5 and p_{319} because gcd of their leading monoms is zero.

1609. Creating S-polynomial from the pair (p_5, p_{320}).
Skipping pair p_5 and p_{320} because gcd of their leading monoms is zero.

1610. Creating S-polynomial from the pair (p_5, p_{321}).
Skipping pair p_5 and p_{321} because gcd of their leading monoms is zero.

1611. Creating S-polynomial from the pair (p_5, p_{322}).
Skipping pair p_5 and p_{322} because gcd of their leading monoms is zero.

1612. Creating S-polynomial from the pair (p_5, p_{323}).
Skipping pair p_5 and p_{323} because gcd of their leading monoms is zero.

1613. Creating S-polynomial from the pair (p_5, p_{324}).
Skipping pair p_5 and p_{324} because gcd of their leading monoms is zero.

1614. Creating S-polynomial from the pair (p_5, p_{325}).
Skipping pair p_5 and p_{325} because gcd of their leading monoms is zero.

1615. Creating S-polynomial from the pair (p_5, p_{326}).
Skipping pair p_5 and p_{326} because gcd of their leading monoms is zero.

1616. Creating S-polynomial from the pair (p_5, p_{327}).
Skipping pair p_5 and p_{327} because gcd of their leading monoms is zero.

1617. Creating S-polynomial from the pair (p_5, p_{328}).
Skipping pair p_5 and p_{328} because gcd of their leading monoms is zero.

1618. Creating S-polynomial from the pair (p_5, p_{329}).
Skipping pair p_5 and p_{329} because gcd of their leading monoms is zero.

1619. Creating S-polynomial from the pair (p_5, p_{330}).
Skipping pair p_5 and p_{330} because gcd of their leading monoms is zero.

1620. Creating S-polynomial from the pair (p_5, p_{331}).
Skipping pair p_5 and p_{331} because gcd of their leading monoms is zero.

1621. Creating S-polynomial from the pair (p_5, p_{332}).
Skipping pair p_5 and p_{332} because gcd of their leading monoms is zero.

1622. Creating S-polynomial from the pair (p_5, p_{333}).
Skipping pair p_5 and p_{333} because gcd of their leading monoms is zero.

1623. Creating S-polynomial from the pair (p_5, p_{334}).
Skipping pair p_5 and p_{334} because gcd of their leading monoms is zero.

1624. Creating S-polynomial from the pair (p_5, p_{335}).
Skipping pair p_5 and p_{335} because gcd of their leading monoms is zero.

1625. Creating S-polynomial from the pair (p_5, p_{336}).
Skipping pair p_5 and p_{336} because gcd of their leading monoms is zero.

1626. Creating S-polynomial from the pair (p_5, p_{337}).
Skipping pair p_5 and p_{337} because gcd of their leading monoms is zero.

1627. Creating S-polynomial from the pair (p_5, p_{338}).
Skipping pair p_5 and p_{338} because gcd of their leading monoms is zero.

1628. Creating S-polynomial from the pair (p_5, p_{339}).
Skipping pair p_5 and p_{339} because gcd of their leading monoms is zero.

1629. Creating S-polynomial from the pair (p_5, p_{340}).
Skipping pair p_5 and p_{340} because gcd of their leading monoms is zero.

1630. Creating S-polynomial from the pair (p_5, p_{341}).
Skipping pair p_5 and p_{341} because gcd of their leading monoms is zero.

1631. Creating S-polynomial from the pair (p_5, p_{342}).
Skipping pair p_5 and p_{342} because gcd of their leading monoms is zero.

1632. Creating S-polynomial from the pair (p_5, p_{343}).
Skipping pair p_5 and p_{343} because gcd of their leading monoms is zero.

1633. Creating S-polynomial from the pair (p_5, p_{344}).
Skipping pair p_5 and p_{344} because gcd of their leading monoms is zero.

1634. Creating S-polynomial from the pair (p_5, p_{345}).
Skipping pair p_5 and p_{345} because gcd of their leading monoms is zero.

1635. Creating S-polynomial from the pair (p_5, p_{346}).
Skipping pair p_5 and p_{346} because gcd of their leading monoms is zero.

1636. Creating S-polynomial from the pair (p_5, p_{347}).
Skipping pair p_5 and p_{347} because gcd of their leading monoms is zero.

1637. Creating S-polynomial from the pair (p_5, p_{348}).
Skipping pair p_5 and p_{348} because gcd of their leading monoms is zero.

1638. Creating S-polynomial from the pair (p_5, p_{349}).
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1639. Creating S-polynomial from the pair (p_5, p_{350}).
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1640. Creating S-polynomial from the pair (p_5, p_{351}).
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1641. Creating S-polynomial from the pair (p_5, p_{352}).
Skipping pair p_5 and p_{352} because gcd of their leading monoms is zero.

1642. Creating S-polynomial from the pair (p_5, p_{353}).
Skipping pair p_5 and p_{353} because gcd of their leading monoms is zero.

1643. Creating S-polynomial from the pair (p_5, p_{354}).
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1644. Creating S-polynomial from the pair (p_5, p_{355}).
Skipping pair p_5 and p_{355} because gcd of their leading monoms is zero.

1645. Creating S-polynomial from the pair (p_5, p_{356}).
Skipping pair p_5 and p_{356} because gcd of their leading monoms is zero.

1646. Creating S-polynomial from the pair (p_5, p_{357}).
Skipping pair p_5 and p_{357} because gcd of their leading monoms is zero.

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Skipping pair p_5 and p_{358} because gcd of their leading monoms is zero.

1648. Creating S-polynomial from the pair (p_5, p_{359}).
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1649. Creating S-polynomial from the pair (p_5, p_{360}).
Skipping pair p_5 and p_{360} because gcd of their leading monoms is zero.

1650. Creating S-polynomial from the pair (p_5, p_{361}).
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1651. Creating S-polynomial from the pair (p_5, p_{362}).
Skipping pair p_5 and p_{362} because gcd of their leading monoms is zero.

1652. Creating S-polynomial from the pair (p_5, p_{363}).
Skipping pair p_5 and p_{363} because gcd of their leading monoms is zero.

1653. Creating S-polynomial from the pair (p_5, p_{364}).
Skipping pair p_5 and p_{364} because gcd of their leading monoms is zero.

1654. Creating S-polynomial from the pair (p_5, p_{365}).
Skipping pair p_5 and p_{365} because gcd of their leading monoms is zero.

1655. Creating S-polynomial from the pair (p_5, p_{366}).
Skipping pair p_5 and p_{366} because gcd of their leading monoms is zero.

1656. Creating S-polynomial from the pair (p_5, p_{367}).
Skipping pair p_5 and p_{367} because gcd of their leading monoms is zero.

1657. Creating S-polynomial from the pair (p_5, p_{368}).
Skipping pair p_5 and p_{368} because gcd of their leading monoms is zero.

1658. Creating S-polynomial from the pair (p_5, p_{369}).
Skipping pair p_5 and p_{369} because gcd of their leading monoms is zero.

1659. Creating S-polynomial from the pair (p_5, p_{370}).
Skipping pair p_5 and p_{370} because gcd of their leading monoms is zero.

1660. Creating S-polynomial from the pair (p_5, p_{371}).
Skipping pair p_5 and p_{371} because gcd of their leading monoms is zero.

1661. Creating S-polynomial from the pair (p_5, p_{372}).
Skipping pair p_5 and p_{372} because gcd of their leading monoms is zero.

1662. Creating S-polynomial from the pair (p_5, p_{373}).
Skipping pair p_5 and p_{373} because gcd of their leading monoms is zero.

1663. Creating S-polynomial from the pair (p_5, p_{374}).
Skipping pair p_5 and p_{374} because gcd of their leading monoms is zero.

1664. Creating S-polynomial from the pair (p_5, p_{375}).
Skipping pair p_5 and p_{375} because gcd of their leading monoms is zero.

1665. Creating S-polynomial from the pair (p_5, p_{376}).
Skipping pair p_5 and p_{376} because gcd of their leading monoms is zero.

1666. Creating S-polynomial from the pair (p_5, p_{377}).
Skipping pair p_5 and p_{377} because gcd of their leading monoms is zero.

1667. Creating S-polynomial from the pair (p_5, p_{378}).
Skipping pair p_5 and p_{378} because gcd of their leading monoms is zero.

1668. Creating S-polynomial from the pair (p_5, p_{379}).
Skipping pair p_5 and p_{379} because gcd of their leading monoms is zero.

1669. Creating S-polynomial from the pair (p_5, p_{380}).
Skipping pair p_5 and p_{380} because gcd of their leading monoms is zero.

1670. Creating S-polynomial from the pair (p_5, p_{381}).
Skipping pair p_5 and p_{381} because gcd of their leading monoms is zero.

1671. Creating S-polynomial from the pair (p_5, p_{382}).
Skipping pair p_5 and p_{382} because gcd of their leading monoms is zero.

1672. Creating S-polynomial from the pair (p_5, p_{383}).
Skipping pair p_5 and p_{383} because gcd of their leading monoms is zero.

1673. Creating S-polynomial from the pair (p_5, p_{384}).
Skipping pair p_5 and p_{384} because gcd of their leading monoms is zero.

1674. Creating S-polynomial from the pair (p_5, p_{385}).
Skipping pair p_5 and p_{385} because gcd of their leading monoms is zero.

1675. Creating S-polynomial from the pair (p_6, p_{107}).
Skipping pair p_6 and p_{107} because gcd of their leading monoms is zero.

1676. Creating S-polynomial from the pair (p_6, p_{108}).
Forming S-pol of p_6 and p_{108}:

$$p_{1738} = -131072u_3^{31}u_1^{17}x_7x_5x_4+$$
$$(-131072u_5^2u_3^{29}u_1^{17} + 65536u_5^2u_3^{29}u_1^{16})x_7x_5x_2+$$
$$65536u_5^2u_3^{31}u_1^{16}x_7x_5 + 131072u_6u_3^{30}u_1^{17}x_7x_4x_2-$$
$$131072u_6u_3^{30}u_1^{17}x_7x_4 - 65536u_6u_5^2u_3^{30}u_1^{16}x_7x_2+$$
$$65536u_6u_5^2u_3^{30}u_1^{16}x_7 + (-262144u_3^{30}u_1^{18} + 131072u_3^{30}u_1^{17})x_6x_5x_4+$$
$$(262144u_3^{29}u_1^{18} - 131072u_3^{29}u_1^{17})x_5x_4^2x_2+$$
$$(262144u_5u_3^{30}u_1^{18} - 131072u_5u_3^{30}u_1^{17})x_5x_4$$

S-pol added.

1677. Creating S-polynomial from the pair (p_6, p_{109}).
Skipping pair p_6 and p_{109} because gcd of their leading monoms is zero.

1678. Creating S-polynomial from the pair (p_6, p_{110}).
Forming S-pol of p_6 and p_{110}:

$$p_{1739} = -65536u_3^{30}u_1^{16}x_7x_5x_4+$$
$$(-65536u_5^2u_3^{28}u_1^{16} + 32768u_5^2u_3^{28}u_1^{15})x_7x_5x_2+$$
$$32768u_5^2u_3^{30}u_1^{15}x_7x_5 + 65536u_6u_3^{29}u_1^{16}x_7x_4x_2-$$
$$65536u_6u_3^{29}u_1^{16}x_7x_4 - 32768u_6u_5^2u_3^{29}u_1^{15}x_7x_2+$$
$$32768u_6u_5^2u_3^{29}u_1^{15}x_7 + (-131072u_3^{29}u_1^{17} + 65536u_3^{29}u_1^{16})x_6x_5x_4+$$
$$(131072u_3^{28}u_1^{17} - 65536u_3^{28}u_1^{16})x_5x_4^2x_2+$$
$$(131072u_5u_3^{29}u_1^{17} - 65536u_5u_3^{29}u_1^{16})x_5x_4$$

S-pol added.

1679. Creating S-polynomial from the pair (p_6, p_{111}).
Skipping pair p_6 and p_{111} because gcd of their leading monoms is zero.

1680. Creating S-polynomial from the pair (p_6, p_{112}).
Skipping pair p_6 and p_{112} because gcd of their leading monoms is zero.

1681. Creating S-polynomial from the pair (p_6, p_{113}).
Skipping pair p_6 and p_{113} because gcd of their leading monoms is zero.

1682. Creating S-polynomial from the pair (p_6, p_{114}).
Skipping pair p_6 and p_{114} because gcd of their leading monoms is zero.

1683. Creating S-polynomial from the pair (p_6, p_{115}).
Forming S-pol of p_6 and p_{115}:

$$p_{1740} = (-524288u_3^{27}u_1^{19} + 262144u_3^{27}u_1^{18})x_7x_5x_4+$$
$$(524288u_6u_3^{26}u_1^{19} - 262144u_6u_3^{26}u_1^{18})x_7x_4x_2-$$
$$262144u_6u_3^{28}u_1^{18}x_7x_4+$$
$$(262144u_3^{28}u_1^{18} - 1048576u_3^{26}u_1^{20} + 524288u_3^{26}u_1^{19})x_6x_5x_4+$$
$$(-262144u_3^{27}u_1^{18} + 1048576u_3^{25}u_1^{20} - 524288u_3^{25}u_1^{19})x_5x_4^2x_2+$$
$$(-262144u_5u_3^{28}u_1^{18} + 1048576u_5u_3^{26}u_1^{20} - 524288u_5u_3^{26}u_1^{19})x_5x_4$$

S-pol added.

1684. Creating S-polynomial from the pair (p_6, p_{116}).
Forming S-pol of p_6 and p_{116}:

$$p_{1741} = (-262144u_3^{26}u_1^{18} + 131072u_3^{26}u_1^{17})x_7x_5x_4+$$
$$(262144u_6u_3^{25}u_1^{18} - 131072u_6u_3^{25}u_1^{17})x_7x_4x_2-$$
$$131072u_6u_3^{27}u_1^{17}x_7x_4+$$
$$(131072u_3^{27}u_1^{17} - 524288u_3^{25}u_1^{19} + 262144u_3^{25}u_1^{18})x_6x_5x_4+$$
$$(-131072u_3^{26}u_1^{17} + 524288u_3^{24}u_1^{19} - 262144u_3^{24}u_1^{18})x_5x_4^2x_2+$$
$$(-131072u_5u_3^{27}u_1^{17} + 524288u_5u_3^{25}u_1^{19} - 262144u_5u_3^{25}u_1^{18})x_5x_4$$

S-pol added.

1685. Creating S-polynomial from the pair (p_6, p_{117}).
Skipping pair p_6 and p_{117} because gcd of their leading monoms is zero.

1686. Creating S-polynomial from the pair (p_6, p_{118}).
Skipping pair p_6 and p_{118} because gcd of their leading monoms is zero.

1687. Creating S-polynomial from the pair (p_6, p_{119}).
Forming S-pol of p_6 and p_{119}: Polynomial too big for output (text size is 2498 characters, number of terms is 10)
S-pol added.

1688. Creating S-polynomial from the pair (p_6, p_{120}).

Forming S-pol of p_6 and p_{120}: Polynomial too big for output (text size is 1489 characters, number of terms is 10)

S-pol added.

1689. Creating S-polynomial from the pair (p_6, p_{121}).

Forming S-pol of p_6 and p_{121}: Polynomial too big for output (text size is 1319 characters, number of terms is 10)

S-pol added.

1690. Creating S-polynomial from the pair (p_6, p_{122}).

Forming S-pol of p_6 and p_{122}:

$$p_{1742} = (134217728u_3^{45}u_1^{27} - 67108864u_3^{45}u_1^{26})x_7x_5x_4+$$
$$(-33554432u_5^2u_3^{45}u_1^{25} + 134217728u_5^2u_3^{43}u_1^{27}-$$
$$67108864u_5^2u_3^{43}u_1^{26})x_7x_5x_2+$$
$$(-67108864u_5^2u_3^{45}u_1^{26} + 33554432u_5^2u_3^{45}u_1^{25})x_7x_5+$$
$$(-134217728u_6u_3^{44}u_1^{27} + 67108864u_6u_3^{44}u_1^{26})x_7x_4x_2+$$
$$67108864u_6u_3^{46}u_1^{26}x_7x_4+$$
$$(67108864u_6u_5^2u_3^{44}u_1^{26} - 33554432u_6u_5^2u_3^{44}u_1^{25})x_7x_2-$$
$$33554432u_6u_5^2u_3^{46}u_1^{25}x_7+$$
$$(-67108864u_3^{46}u_1^{26} + 268435456u_3^{44}u_1^{28} - 134217728u_3^{44}u_1^{27})x_6x_5x_4+$$
$$(67108864u_3^{45}u_1^{26} - 268435456u_3^{43}u_1^{28} + 134217728u_3^{43}u_1^{27})x_5x_4^2x_2+$$
$$(67108864u_5u_3^{46}u_1^{26} - 268435456u_5u_3^{44}u_1^{28} + 134217728u_5u_3^{44}u_1^{27})x_5x_4$$

S-pol added.

1691. Creating S-polynomial from the pair (p_6, p_{123}).

Forming S-pol of p_6 and p_{123}: Polynomial too big for output (text size is 1234 characters, number of terms is 10)

S-pol added.

1692. Creating S-polynomial from the pair (p_6, p_{124}).

Forming S-pol of p_6 and p_{124}: Polynomial too big for output (text size is 1336 characters, number of terms is 10)

S-pol added.

1693. Creating S-polynomial from the pair (p_6, p_{125}).

Forming S-pol of p_6 and p_{125}:

$$p_{1743} = (16777216u_3^{43}u_1^{24} - 8388608u_3^{43}u_1^{23})x_7x_5x_4+$$
$$(-4194304u_5^2u_3^{43}u_1^{22} + 16777216u_5^2u_3^{41}u_1^{24}-$$
$$8388608u_5^2u_3^{41}u_1^{23})x_7x_5x_2+$$

$$(-8388608u_5^2u_3^{43}u_1^{23} + 4194304u_5^2u_3^{43}u_1^{22})x_7x_5+$$
$$(-16777216u_6u_3^{42}u_1^{24} + 8388608u_6u_3^{42}u_1^{23})x_7x_4x_2+$$
$$8388608u_6u_3^{44}u_1^{23}x_7x_4+$$
$$(8388608u_6u_5^2u_3^{42}u_1^{23} - 4194304u_6u_5^2u_3^{42}u_1^{22})x_7x_2-$$
$$4194304u_6u_5^2u_3^{44}u_1^{22}x_7+$$
$$(-8388608u_3^{44}u_1^{23} + 33554432u_3^{42}u_1^{25} - 16777216u_3^{42}u_1^{24})x_6x_5x_4+$$
$$(8388608u_3^{43}u_1^{23} - 33554432u_3^{41}u_1^{25} + 16777216u_3^{41}u_1^{24})x_5x_4^2x_2+$$
$$(8388608u_5u_3^{44}u_1^{23} - 33554432u_5u_3^{42}u_1^{25} + 16777216u_5u_3^{42}u_1^{24})x_5x_4$$

S-pol added.

1694. Creating S-polynomial from the pair (p_6, p_{126}).

Forming S-pol of p_6 and p_{126}: Polynomial too big for output (text size is 1313 characters, number of terms is 10)

S-pol added.

1695. Creating S-polynomial from the pair (p_6, p_{127}).

Forming S-pol of p_6 and p_{127}: Polynomial too big for output (text size is 1224 characters, number of terms is 10)

S-pol added.

1696. Creating S-polynomial from the pair (p_6, p_{128}).

Forming S-pol of p_6 and p_{128}:

$$p_{1744} = (65536u_3^{20}u_1^{16} - 32768u_3^{20}u_1^{15})x_7x_5x_4+$$
$$(-65536u_6u_3^{19}u_1^{16} + 32768u_6u_3^{19}u_1^{15})x_7x_4x_2 + 32768u_6u_3^{21}u_1^{15}x_7x_4+$$
$$(-32768u_3^{21}u_1^{15} + 131072u_3^{19}u_1^{17} - 65536u_3^{19}u_1^{16})x_6x_5x_4+$$
$$(32768u_3^{20}u_1^{15} - 131072u_3^{18}u_1^{17} + 65536u_3^{18}u_1^{16})x_5x_4^2x_2+$$
$$(32768u_5u_3^{21}u_1^{15} - 131072u_5u_3^{19}u_1^{17} + 65536u_5u_3^{19}u_1^{16})x_5x_4$$

S-pol added.

1697. Creating S-polynomial from the pair (p_6, p_{129}).

Forming S-pol of p_6 and p_{129}:

$$p_{1745} = (32768u_3^{19}u_1^{15} - 16384u_3^{19}u_1^{14})x_7x_5x_4+$$
$$(-32768u_6u_3^{18}u_1^{15} + 16384u_6u_3^{18}u_1^{14})x_7x_4x_2 + 16384u_6u_3^{20}u_1^{14}x_7x_4+$$
$$(-16384u_3^{20}u_1^{14} + 65536u_3^{18}u_1^{16} - 32768u_3^{18}u_1^{15})x_6x_5x_4+$$
$$(16384u_3^{19}u_1^{14} - 65536u_3^{17}u_1^{16} + 32768u_3^{17}u_1^{15})x_5x_4^2x_2+$$
$$(16384u_5u_3^{20}u_1^{14} - 65536u_5u_3^{18}u_1^{16} + 32768u_5u_3^{18}u_1^{15})x_5x_4$$

S-pol added.

1698. Creating S-polynomial from the pair (p_6, p_{130}).

Skipping pair p_6 and p_{130} because gcd of their leading monoms is zero.

1699. Creating S-polynomial from the pair (p_6, p_{131}).

Skipping pair p_6 and p_{131} because gcd of their leading monoms is zero.

1700. Creating S-polynomial from the pair (p_6, p_{132}).

Skipping pair p_6 and p_{132} because gcd of their leading monoms is zero.

1701. Creating S-polynomial from the pair (p_6, p_{133}).

Forming S-pol of p_6 and p_{133}: Polynomial too big for output (text size is 1234 characters, number of terms is 10)

S-pol added.

1702. Creating S-polynomial from the pair (p_6, p_{134}).

Skipping pair p_6 and p_{134} because gcd of their leading monoms is zero.

1703. Creating S-polynomial from the pair (p_6, p_{135}).

Forming S-pol of p_6 and p_{135}: Polynomial too big for output (text size is 1224 characters, number of terms is 10)

S-pol added.

1704. Creating S-polynomial from the pair (p_6, p_{136}).

Skipping pair p_6 and p_{136} because gcd of their leading monoms is zero.

1705. Creating S-polynomial from the pair (p_6, p_{137}).

Skipping pair p_6 and p_{137} because gcd of their leading monoms is zero.

1706. Creating S-polynomial from the pair (p_6, p_{138}).

Skipping pair p_6 and p_{138} because gcd of their leading monoms is zero.

1707. Creating S-polynomial from the pair (p_6, p_{139}).

Skipping pair p_6 and p_{139} because gcd of their leading monoms is zero.

1708. Creating S-polynomial from the pair (p_6, p_{140}).

Skipping pair p_6 and p_{140} because gcd of their leading monoms is zero.

1709. Creating S-polynomial from the pair (p_6, p_{141}).

Skipping pair p_6 and p_{141} because gcd of their leading monoms is zero.

1710. Creating S-polynomial from the pair (p_6, p_{142}).

Skipping pair p_6 and p_{142} because gcd of their leading monoms is zero.

1711. Creating S-polynomial from the pair (p_6, p_{143}).

Skipping pair p_6 and p_{143} because gcd of their leading monoms is zero.

1712. Creating S-polynomial from the pair (p_6, p_{144}).

Forming S-pol of p_6 and p_{144}: Polynomial too big for output (text size is 1319 characters, number of terms is 10)

S-pol added.

1713. Creating S-polynomial from the pair (p_6, p_{145}).

Skipping pair p_6 and p_{145} because gcd of their leading monoms is zero.

1714. Creating S-polynomial from the pair (p_6, p_{146}).

Forming S-pol of p_6 and p_{146}: Polynomial too big for output (text size is 1313 characters, number of terms is 10)

S-pol added.

1715. Creating S-polynomial from the pair (p_6, p_{147}).

Skipping pair p_6 and p_{147} because gcd of their leading monoms is zero.

1716. Creating S-polynomial from the pair (p_6, p_{148}).

Skipping pair p_6 and p_{148} because gcd of their leading monoms is zero.

1717. Creating S-polynomial from the pair (p_6, p_{149}).

Skipping pair p_6 and p_{149} because gcd of their leading monoms is zero.

1718. Creating S-polynomial from the pair (p_6, p_{150}).

Skipping pair p_6 and p_{150} because gcd of their leading monoms is zero.

1719. Creating S-polynomial from the pair (p_6, p_{151}).

Skipping pair p_6 and p_{151} because gcd of their leading monoms is zero.

1720. Creating S-polynomial from the pair (p_6, p_{152}).

Skipping pair p_6 and p_{152} because gcd of their leading monoms is zero.

1721. Creating S-polynomial from the pair (p_6, p_{153}).

Skipping pair p_6 and p_{153} because gcd of their leading monoms is zero.

1722. Creating S-polynomial from the pair (p_6, p_{154}).

Skipping pair p_6 and p_{154} because gcd of their leading monoms is zero.

1723. Creating S-polynomial from the pair (p_6, p_{155}).

Skipping pair p_6 and p_{155} because gcd of their leading monoms is zero.

1724. Creating S-polynomial from the pair (p_6, p_{156}).

Skipping pair p_6 and p_{156} because gcd of their leading monoms is zero.

1725. Creating S-polynomial from the pair (p_6, p_{157}).

Forming S-pol of p_6 and p_{157}: Polynomial too big for output (text size is 1315 characters, number of terms is 10)

S-pol added.

1726. Creating S-polynomial from the pair (p_6, p_{158}).

Skipping pair p_6 and p_{158} because gcd of their leading monoms is zero.

1727. Creating S-polynomial from the pair (p_6, p_{159}).

Forming S-pol of p_6 and p_{159}: Polynomial too big for output (text size is 1305 characters, number of terms is 10)

S-pol added.

1728. Creating S-polynomial from the pair (p_6, p_{160}).

Skipping pair p_6 and p_{160} because gcd of their leading monoms is zero.

1729. Creating S-polynomial from the pair (p_6, p_{161}).

Skipping pair p_6 and p_{161} because gcd of their leading monoms is zero.

1730. Creating S-polynomial from the pair (p_6, p_{162}).

Skipping pair p_6 and p_{162} because gcd of their leading monoms is zero.

1731. Creating S-polynomial from the pair (p_6, p_{163}).

Forming S-pol of p_6 and p_{163}:

$$p_{1746} = -16384u_3^{25}u_1^{14}x_7x_5x_4 + 16384u_6u_3^{24}u_1^{14}x_7x_4x_2 -$$
$$16384u_6u_3^{24}u_1^{14}x_7x_4 + (-32768u_3^{24}u_1^{15} + 16384u_3^{24}u_1^{14})x_6x_5x_4 +$$
$$(32768u_3^{23}u_1^{15} - 16384u_3^{23}u_1^{14})x_5x_4^2x_2 +$$
$$(32768u_5u_3^{24}u_1^{15} - 16384u_5u_3^{24}u_1^{14})x_5x_4$$

S-pol added.

1732. Creating S-polynomial from the pair (p_6, p_{164}).

Forming S-pol of p_6 and p_{164}:

$$p_{1747} = -8192u_3^{24}u_1^{13}x_7x_5x_4 + 8192u_6u_3^{23}u_1^{13}x_7x_4x_2 -$$
$$8192u_6u_3^{23}u_1^{13}x_7x_4 + (-16384u_3^{23}u_1^{14} + 8192u_3^{23}u_1^{13})x_6x_5x_4 +$$
$$(16384u_3^{22}u_1^{14} - 8192u_3^{22}u_1^{13})x_5x_4^2x_2 +$$
$$(16384u_5u_3^{23}u_1^{14} - 8192u_5u_3^{23}u_1^{13})x_5x_4$$

S-pol added.

1733. Creating S-polynomial from the pair (p_6, p_{165}).

Forming S-pol of p_6 and p_{165}: Polynomial too big for output (text size is 2827 characters, number of terms is 10)

S-pol added.

1734. Creating S-polynomial from the pair (p_6, p_{166}).

Forming S-pol of p_6 and p_{166}: Polynomial too big for output (text size is 1807 characters, number of terms is 10)

S-pol added.

1735. Creating S-polynomial from the pair (p_6, p_{167}).

Forming S-pol of p_6 and p_{167}: Polynomial too big for output (text size is 1295 characters, number of terms is 10)

S-pol added.

1736. Creating S-polynomial from the pair (p_6, p_{168}).

Forming S-pol of p_6 and p_{168}:

$$p_{1748} = 1048576u_3^{32}u_1^{20}x_7x_5x_4+$$
$$(1048576u_5^2u_3^{30}u_1^{20} - 524288u_5^2u_3^{30}u_1^{19})x_7x_5x_2-$$
$$524288u_5^2u_3^{32}u_1^{19}x_7x_5 - 1048576u_6u_3^{31}u_1^{20}x_7x_4x_2+$$
$$1048576u_6u_3^{31}u_1^{20}x_7x_4 + 524288u_6u_5^2u_3^{31}u_1^{19}x_7x_2-$$
$$524288u_6u_5^2u_3^{31}u_1^{19}x_7 + (2097152u_3^{31}u_1^{21} - 1048576u_3^{31}u_1^{20})x_6x_5x_4+$$
$$(-2097152u_3^{30}u_1^{21} + 1048576u_3^{30}u_1^{20})x_5x_4^2x_2+$$
$$(-2097152u_5u_3^{31}u_1^{21} + 1048576u_5u_3^{31}u_1^{20})x_5x_4$$

S-pol added.

1737. Creating S-polynomial from the pair (p_6, p_{169}).

Forming S-pol of p_6 and p_{169}: Polynomial too big for output (text size is 1315 characters, number of terms is 10)

S-pol added.

1738. Creating S-polynomial from the pair (p_6, p_{170}).

Forming S-pol of p_6 and p_{170}: Polynomial too big for output (text size is 1637 characters, number of terms is 10)

S-pol added.

1739. Creating S-polynomial from the pair (p_6, p_{171}).

Forming S-pol of p_6 and p_{171}:

$$p_{1749} = 131072u_3^{25}u_1^{17}x_7x_5x_4+$$
$$(131072u_5^2u_3^{23}u_1^{17} - 65536u_5^2u_3^{23}u_1^{16})x_7x_5x_2-$$
$$65536u_5^2u_3^{25}u_1^{16}x_7x_5 - 131072u_6u_3^{24}u_1^{17}x_7x_4x_2+$$
$$131072u_6u_3^{24}u_1^{17}x_7x_4 + 65536u_6u_5^2u_3^{24}u_1^{16}x_7x_2-$$
$$65536u_6u_5^2u_3^{24}u_1^{16}x_7 + (262144u_3^{24}u_1^{18} - 131072u_3^{24}u_1^{17})x_6x_5x_4+$$
$$(-262144u_3^{23}u_1^{18} + 131072u_3^{23}u_1^{17})x_5x_4^2x_2+$$
$$(-262144u_5u_3^{24}u_1^{18} + 131072u_5u_3^{24}u_1^{17})x_5x_4$$

S-pol added.

1740. Creating S-polynomial from the pair (p_6, p_{172}).

Forming S-pol of p_6 and p_{172}: Polynomial too big for output (text size is 1293 characters, number of terms is 10)

S-pol added.

1741. Creating S-polynomial from the pair (p_6, p_{173}).

Forming S-pol of p_6 and p_{173}: Polynomial too big for output (text size is 1305 characters, number of terms is 10)

S-pol added.

1742. Creating S-polynomial from the pair (p_6, p_{174}).

Skipping pair p_6 and p_{174} because gcd of their leading monoms is zero.

1743. Creating S-polynomial from the pair (p_6, p_{175}).

Skipping pair p_6 and p_{175} because gcd of their leading monoms is zero.

1744. Creating S-polynomial from the pair (p_6, p_{176}).

Skipping pair p_6 and p_{176} because gcd of their leading monoms is zero.

1745. Creating S-polynomial from the pair (p_6, p_{177}).

Skipping pair p_6 and p_{177} because gcd of their leading monoms is zero.

1746. Creating S-polynomial from the pair (p_6, p_{178}).

Skipping pair p_6 and p_{178} because gcd of their leading monoms is zero.

1747. Creating S-polynomial from the pair (p_6, p_{179}).

Forming S-pol of p_6 and p_{179}: Polynomial too big for output (text size is 1295 characters, number of terms is 10)

S-pol added.

1748. Creating S-polynomial from the pair (p_6, p_{180}).

Skipping pair p_6 and p_{180} because gcd of their leading monoms is zero.

1749. Creating S-polynomial from the pair (p_6, p_{181}).

Forming S-pol of p_6 and p_{181}: Polynomial too big for output (text size is 1293 characters, number of terms is 10)

S-pol added.

1750. Creating S-polynomial from the pair (p_6, p_{182}).

Skipping pair p_6 and p_{182} because gcd of their leading monoms is zero.

1751. Creating S-polynomial from the pair (p_6, p_{183}).

Skipping pair p_6 and p_{183} because gcd of their leading monoms is zero.

1752. Creating S-polynomial from the pair (p_6, p_{184}).

Skipping pair p_6 and p_{184} because gcd of their leading monoms is zero.

1753. Creating S-polynomial from the pair (p_6, p_{185}).

Forming S-pol of p_6 and p_{185}: Polynomial too big for output (text size is 2967 characters, number of terms is 10)

S-pol added.

1754. Creating S-polynomial from the pair (p_6, p_{186}).

Forming S-pol of p_6 and p_{186}: Polynomial too big for output (text size is 1953 characters, number of terms is 10)

S-pol added.

1755. Creating S-polynomial from the pair (p_6, p_{187}).

Forming S-pol of p_6 and p_{187}: Polynomial too big for output (text size is 1401 characters, number of terms is 10)

S-pol added.

1756. Creating S-polynomial from the pair (p_6, p_{188}).

Forming S-pol of p_6 and p_{188}:

$$p_{1750} = -16777216u_5u_3^{43}u_1^{24}x_7x_5x_4+$$
$$(-16777216u_5^3u_3^{41}u_1^{24} + 8388608u_5^3u_3^{41}u_1^{23})x_7x_5x_2+$$
$$8388608u_5^3u_3^{43}u_1^{23}x_7x_5 + 16777216u_6u_5u_3^{42}u_1^{24}x_7x_4x_2-$$
$$16777216u_6u_5u_3^{42}u_1^{24}x_7x_4 - 8388608u_6u_5^3u_3^{42}u_1^{23}x_7x_2+$$
$$8388608u_6u_5^3u_3^{42}u_1^{23}x_7+$$
$$(-33554432u_5u_3^{42}u_1^{25} + 16777216u_5u_3^{42}u_1^{24})x_6x_5x_4+$$
$$(33554432u_5u_3^{41}u_1^{25} - 16777216u_5u_3^{41}u_1^{24})x_5x_4^2x_2+$$
$$(33554432u_5^2u_3^{42}u_1^{25} - 16777216u_5^2u_3^{42}u_1^{24})x_5x_4$$

S-pol added.

1757. Creating S-polynomial from the pair (p_6, p_{189}).

Forming S-pol of p_6 and p_{189}: Polynomial too big for output (text size is 1422 characters, number of terms is 10)

S-pol added.

1758. Creating S-polynomial from the pair (p_6, p_{190}).

Forming S-pol of p_6 and p_{190}: Polynomial too big for output (text size is 1690 characters, number of terms is 10)

S-pol added.

1759. Creating S-polynomial from the pair (p_6, p_{191}).

Forming S-pol of p_6 and p_{191}:

$$p_{1751} = -8388608u_5u_3^{42}u_1^{23}x_7x_5x_4+$$
$$(-8388608u_5^3u_3^{40}u_1^{23} + 4194304u_5^3u_3^{40}u_1^{22})x_7x_5x_2+$$
$$4194304u_5^3u_3^{42}u_1^{22}x_7x_5 + 8388608u_6u_5u_3^{41}u_1^{23}x_7x_4x_2-$$
$$8388608u_6u_5u_3^{41}u_1^{23}x_7x_4 - 4194304u_6u_5^3u_3^{41}u_1^{22}x_7x_2+$$
$$4194304u_6u_5^3u_3^{41}u_1^{22}x_7+$$
$$(-16777216u_5u_3^{41}u_1^{24} + 8388608u_5u_3^{41}u_1^{23})x_6x_5x_4+$$
$$(16777216u_5u_3^{40}u_1^{24} - 8388608u_5u_3^{40}u_1^{23})x_5x_4^2x_2+$$
$$(16777216u_5^2u_3^{41}u_1^{24} - 8388608u_5^2u_3^{41}u_1^{23})x_5x_4$$

S-pol added.

1760. Creating S-polynomial from the pair (p_6, p_{192}).

Forming S-pol of p_6 and p_{192}: Polynomial too big for output (text size is 1391 characters, number of terms is 10)

S-pol added.

1761. Creating S-polynomial from the pair (p_6, p_{193}).

Forming S-pol of p_6 and p_{193}: Polynomial too big for output (text size is 1412 characters, number of terms is 10)

S-pol added.

1762. Creating S-polynomial from the pair (p_6, p_{194}).

Skipping pair p_6 and p_{194} because gcd of their leading monoms is zero.

1763. Creating S-polynomial from the pair (p_6, p_{195}).

Skipping pair p_6 and p_{195} because gcd of their leading monoms is zero.

1764. Creating S-polynomial from the pair (p_6, p_{196}).

Skipping pair p_6 and p_{196} because gcd of their leading monoms is zero.

1765. Creating S-polynomial from the pair (p_6, p_{197}).

Forming S-pol of p_6 and p_{197}: Polynomial too big for output (text size is 1422 characters, number of terms is 10)

S-pol added.

1766. Creating S-polynomial from the pair (p_6, p_{198}).

Skipping pair p_6 and p_{198} because gcd of their leading monoms is zero.

1767. Creating S-polynomial from the pair (p_6, p_{199}).

Forming S-pol of p_6 and p_{199}: Polynomial too big for output (text size is 1412 characters, number of terms is 10)

S-pol added.

1768. Creating S-polynomial from the pair (p_6, p_{200}).

Skipping pair p_6 and p_{200} because gcd of their leading monoms is zero.

1769. Creating S-polynomial from the pair (p_6, p_{201}).

Skipping pair p_6 and p_{201} because gcd of their leading monoms is zero.

1770. Creating S-polynomial from the pair (p_6, p_{202}).

Skipping pair p_6 and p_{202} because gcd of their leading monoms is zero.

1771. Creating S-polynomial from the pair (p_6, p_{203}).

Skipping pair p_6 and p_{203} because gcd of their leading monoms is zero.

1772. Creating S-polynomial from the pair (p_6, p_{204}).

Skipping pair p_6 and p_{204} because gcd of their leading monoms is zero.

1773. Creating S-polynomial from the pair (p_6, p_{205}).

Skipping pair p_6 and p_{205} because gcd of their leading monoms is zero.

1774. Creating S-polynomial from the pair (p_6, p_{206}).

Forming S-pol of p_6 and p_{206}: Polynomial too big for output (text size is 1401 characters, number of terms is 10)

S-pol added.

1775. Creating S-polynomial from the pair (p_6, p_{207}).

Skipping pair p_6 and p_{207} because gcd of their leading monoms is zero.

1776. Creating S-polynomial from the pair (p_6, p_{208}).

Forming S-pol of p_6 and p_{208}: Polynomial too big for output (text size is 1391 characters, number of terms is 10)

S-pol added.

1777. Creating S-polynomial from the pair (p_6, p_{209}).

Skipping pair p_6 and p_{209} because gcd of their leading monoms is zero.

1778. Creating S-polynomial from the pair (p_6, p_{210}).

Skipping pair p_6 and p_{210} because gcd of their leading monoms is zero.

1779. Creating S-polynomial from the pair (p_6, p_{211}).

Skipping pair p_6 and p_{211} because gcd of their leading monoms is zero.

1780. Creating S-polynomial from the pair (p_6, p_{212}).

Forming S-pol of p_6 and p_{212}: Polynomial too big for output (text size is 1745 characters, number of terms is 10)

S-pol added.

1781. Creating S-polynomial from the pair (p_6, p_{213}).

Forming S-pol of p_6 and p_{213}: Polynomial too big for output (text size is 1734 characters, number of terms is 10)

S-pol added.

1782. Creating S-polynomial from the pair (p_6, p_{214}).

Forming S-pol of p_6 and p_{214}: Polynomial too big for output (text size is 12050 characters, number of terms is 18)

S-pol added.

1783. Creating S-polynomial from the pair (p_6, p_{215}).

Forming S-pol of p_6 and p_{215}: Polynomial too big for output (text size is 5384 characters, number of terms is 10)

S-pol added.

1784. Creating S-polynomial from the pair (p_6, p_{216}).

Forming S-pol of p_6 and p_{216}: Polynomial too big for output (text size is 12294 characters, number of terms is 18)

S-pol added.

1785. Creating S-polynomial from the pair (p_6, p_{217}).

Forming S-pol of p_6 and p_{217}: Polynomial too big for output (text size is 2965 characters, number of terms is 10)

S-pol added.

1786. Creating S-polynomial from the pair (p_6, p_{218}).

Forming S-pol of p_6 and p_{218}: Polynomial too big for output (text size is 4219 characters, number of terms is 10)

S-pol added.

1787. Creating S-polynomial from the pair (p_6, p_{219}).

Forming S-pol of p_6 and p_{219}: Polynomial too big for output (text size is 11991 characters, number of terms is 18)

S-pol added.

1788. Creating S-polynomial from the pair (p_6, p_{220}).

Forming S-pol of p_6 and p_{220}: Polynomial too big for output (text size is 12255 characters, number of terms is 18)

S-pol added.

1789. Creating S-polynomial from the pair (p_6, p_{221}).

Forming S-pol of p_6 and p_{221}:

$$p_{1752} = (-268435456u_5u_3^{45}u_1^{28} - 536870912u_3^{46}u_1^{29})x_7x_5x_4+$$
$$(-536870912u_5^2u_3^{44}u_1^{29} + 268435456u_5^2u_3^{44}u_1^{28})x_7x_5x_2+$$
$$268435456u_5^2u_3^{46}u_1^{28}x_7x_5+$$
$$(268435456u_6u_5u_3^{44}u_1^{28} + 536870912u_6u_3^{45}u_1^{29})x_7x_4x_2+$$
$$(268435456u_6u_5u_3^{46}u_1^{28} - 536870912u_6u_5u_3^{44}u_1^{29}-$$
$$536870912u_6u_3^{45}u_1^{29})x_7x_4 - 268435456u_6u_5^2u_3^{45}u_1^{28}x_7x_2+$$
$$268435456u_6u_5^2u_3^{45}u_1^{28}x_7+$$
$$(-268435456u_5u_3^{46}u_1^{28} - 1073741824u_3^{45}u_1^{30} + 536870912u_3^{45}u_1^{29})x_6x_5x_4+$$
$$(268435456u_5u_3^{45}u_1^{28} + 1073741824u_3^{44}u_1^{30} - 536870912u_3^{44}u_1^{29})x_5x_4^2x_2+$$
$$(268435456u_5^2u_3^{46}u_1^{28} + 1073741824u_5u_3^{45}u_1^{30} - 536870912u_5u_3^{45}u_1^{29})x_5x_4$$

S-pol added.

1790. Creating S-polynomial from the pair (p_6, p_{222}).

Forming S-pol of p_6 and p_{222}:

$$p_{1753} = (-536870912u_5u_3^{50}u_1^{29} - 1073741824u_3^{51}u_1^{30})x_7x_5x_4+$$
$$(-1073741824u_5^2u_3^{49}u_1^{30} + 536870912u_5^2u_3^{49}u_1^{29})x_7x_5x_2+$$
$$536870912u_5^2u_3^{51}u_1^{29}x_7x_5+$$
$$(536870912u_6u_5u_3^{49}u_1^{29} + 1073741824u_6u_3^{50}u_1^{30})x_7x_4x_2+$$

$$(536870912u_6u_5u_3^{51}u_1^{29} - 1073741824u_6u_5u_3^{49}u_1^{30} -$$
$$1073741824u_6u_3^{50}u_1^{30})x_7x_4 - 536870912u_6u_5^2u_3^{50}u_1^{29}x_7x_2 +$$
$$536870912u_6u_5^2u_3^{50}u_1^{29}x_7 +$$
$$(-536870912u_5u_3^{51}u_1^{29} - 2147483648u_3^{50}u_1^{31} + 1073741824u_3^{50}u_1^{30})x_6x_5x_4 +$$
$$(536870912u_5u_3^{50}u_1^{29} + 2147483648u_3^{49}u_1^{31} - 1073741824u_3^{49}u_1^{30})x_5x_4^2x_2 +$$
$$(536870912u_5^2u_3^{51}u_1^{29} + 2147483648u_5u_3^{50}u_1^{31} -$$
$$1073741824u_5u_3^{50}u_1^{30})x_5x_4$$

S-pol added.

1791. Creating S-polynomial from the pair (p_6, p_{223}).

Forming S-pol of p_6 and p_{223}: Polynomial too big for output (text size is 1721 characters, number of terms is 10)

S-pol added.

1792. Creating S-polynomial from the pair (p_6, p_{224}).

Forming S-pol of p_6 and p_{224}: Polynomial too big for output (text size is 1713 characters, number of terms is 10)

S-pol added.

1793. Creating S-polynomial from the pair (p_6, p_{225}).

Forming S-pol of p_6 and p_{225}: Polynomial too big for output (text size is 1114 characters, number of terms is 6)

S-pol added.

1794. Creating S-polynomial from the pair (p_6, p_{226}).

Forming S-pol of p_6 and p_{226}: Polynomial too big for output (text size is 1099 characters, number of terms is 6)

S-pol added.

1795. Creating S-polynomial from the pair (p_6, p_{227}).

Forming S-pol of p_6 and p_{227}:

$$p_{1754} = (-268435456u_5u_3^{45}u_1^{28} - 536870912u_3^{46}u_1^{29})x_7x_5x_4 +$$
$$(-536870912u_5^2u_3^{44}u_1^{29} + 268435456u_5^2u_3^{44}u_1^{28})x_7x_5x_2 +$$
$$268435456u_5^2u_3^{46}u_1^{28}x_7x_5 +$$
$$(268435456u_6u_5u_3^{44}u_1^{28} + 536870912u_6u_3^{45}u_1^{29})x_7x_4x_2 +$$
$$(268435456u_6u_5u_3^{46}u_1^{28} - 536870912u_6u_5u_3^{44}u_1^{29} -$$
$$536870912u_6u_3^{45}u_1^{29})x_7x_4 - 268435456u_6u_5^2u_3^{45}u_1^{28}x_7x_2 +$$
$$268435456u_6u_5^2u_3^{45}u_1^{28}x_7 +$$
$$(-268435456u_5u_3^{46}u_1^{28} - 1073741824u_3^{45}u_1^{30} + 536870912u_3^{45}u_1^{29})x_6x_5x_4 +$$
$$(268435456u_5u_3^{45}u_1^{28} + 1073741824u_3^{44}u_1^{30} - 536870912u_3^{44}u_1^{29})x_5x_4^2x_2 +$$
$$(268435456u_5^2u_3^{46}u_1^{28} + 1073741824u_5u_3^{45}u_1^{30} - 536870912u_5u_3^{45}u_1^{29})x_5x_4$$

S-pol added.

1796. Creating S-polynomial from the pair (p_6, p_{228}).

Forming S-pol of p_6 and p_{228}:

$$p_{1755} = (-134217728u_5u_3^{44}u_1^{27} - 268435456u_3^{45}u_1^{28})x_7x_5x_4+$$
$$(-268435456u_5^2u_3^{43}u_1^{28} + 134217728u_5^2u_3^{43}u_1^{27})x_7x_5x_2+$$
$$134217728u_5^2u_3^{45}u_1^{27}x_7x_5+$$
$$(134217728u_6u_5u_3^{43}u_1^{27} + 268435456u_6u_3^{44}u_1^{28})x_7x_4x_2+$$
$$(134217728u_6u_5u_3^{45}u_1^{27} - 268435456u_6u_5u_3^{43}u_1^{28}-$$
$$268435456u_6u_3^{44}u_1^{28})x_7x_4 - 134217728u_6u_5^2u_3^{44}u_1^{27}x_7x_2+$$
$$134217728u_6u_5^2u_3^{44}u_1^{27}x_7+$$
$$(-134217728u_5u_3^{45}u_1^{27} - 536870912u_3^{44}u_1^{29} + 268435456u_3^{44}u_1^{28})x_6x_5x_4+$$
$$(134217728u_5u_3^{44}u_1^{27} + 536870912u_3^{43}u_1^{29} - 268435456u_3^{43}u_1^{28})x_5x_4^2x_2+$$
$$(134217728u_5^2u_3^{45}u_1^{27} + 536870912u_5u_3^{44}u_1^{29} - 268435456u_5u_3^{44}u_1^{28})x_5x_4$$

S-pol added.

1797. Creating S-polynomial from the pair (p_6, p_{229}).

Forming S-pol of p_6 and p_{229}: Polynomial too big for output (text size is 6153 characters, number of terms is 10)

S-pol added.

1798. Creating S-polynomial from the pair (p_6, p_{230}).

Forming S-pol of p_6 and p_{230}: Polynomial too big for output (text size is 3483 characters, number of terms is 10)

S-pol added.

1799. Creating S-polynomial from the pair (p_6, p_{231}).

Forming S-pol of p_6 and p_{231}: Polynomial too big for output (text size is 6570 characters, number of terms is 10)

S-pol added.

1800. Creating S-polynomial from the pair (p_6, p_{232}).

Forming S-pol of p_6 and p_{232}: Polynomial too big for output (text size is 1826 characters, number of terms is 10)

S-pol added.

1801. Creating S-polynomial from the pair (p_6, p_{233}).

Forming S-pol of p_6 and p_{233}: Polynomial too big for output (text size is 2638 characters, number of terms is 10)

S-pol added.

1802. Creating S-polynomial from the pair (p_6, p_{234}).

Forming S-pol of p_6 and p_{234}: Polynomial too big for output (text size is 6125 characters, number of terms is 10)

S-pol added.

1803. Creating S-polynomial from the pair (p_6, p_{235}).

Forming S-pol of p_6 and p_{235}: Polynomial too big for output (text size is 6545 characters, number of terms is 10)

S-pol added.

1804. Creating S-polynomial from the pair (p_6, p_{236}).

Forming S-pol of p_6 and p_{236}:

$$p_{1756} = (-8388608u_6u_3^{37}u_1^{22} - 8388608u_3^{38}u_1^{23})x_7x_5x_4+$$
$$(-8388608u_6^2u_3^{36}u_1^{23} + 8388608u_6^2u_3^{36}u_1^{22})x_7x_4x_2+$$
$$(8388608u_6^2u_3^{38}u_1^{22} - 8388608u_6^2u_3^{36}u_1^{23})x_7x_4+$$
$$(-8388608u_6u_3^{38}u_1^{22} - 16777216u_3^{37}u_1^{24} + 8388608u_3^{37}u_1^{23})x_6x_5x_4+$$
$$(8388608u_6u_3^{37}u_1^{22} + 16777216u_3^{36}u_1^{24} - 8388608u_3^{36}u_1^{23})x_5x_4^2x_2+$$
$$(8388608u_6u_5u_3^{38}u_1^{22} + 16777216u_5u_3^{37}u_1^{24} - 8388608u_5u_3^{37}u_1^{23})x_5x_4$$

S-pol added.

1805. Creating S-polynomial from the pair (p_6, p_{237}).

Forming S-pol of p_6 and p_{237}:

$$p_{1757} = (-4194304u_6u_3^{36}u_1^{21} - 4194304u_3^{37}u_1^{22})x_7x_5x_4+$$
$$(-4194304u_6^2u_3^{35}u_1^{22} + 4194304u_6^2u_3^{35}u_1^{21})x_7x_4x_2+$$
$$(4194304u_6^2u_3^{37}u_1^{21} - 4194304u_6^2u_3^{35}u_1^{22})x_7x_4+$$
$$(-4194304u_6u_3^{37}u_1^{21} - 8388608u_3^{36}u_1^{23} + 4194304u_3^{36}u_1^{22})x_6x_5x_4+$$
$$(4194304u_6u_3^{36}u_1^{21} + 8388608u_3^{35}u_1^{23} - 4194304u_3^{35}u_1^{22})x_5x_4^2x_2+$$
$$(4194304u_6u_5u_3^{37}u_1^{21} + 8388608u_5u_3^{36}u_1^{23} - 4194304u_5u_3^{36}u_1^{22})x_5x_4$$

S-pol added.

1806. Creating S-polynomial from the pair (p_6, p_{238}).

Skipping pair p_6 and p_{238} because gcd of their leading monoms is zero.

1807. Creating S-polynomial from the pair (p_6, p_{239}).

Skipping pair p_6 and p_{239} because gcd of their leading monoms is zero.

1808. Creating S-polynomial from the pair (p_6, p_{240}).

Skipping pair p_6 and p_{240} because gcd of their leading monoms is zero.

1809. Creating S-polynomial from the pair (p_6, p_{241}).

Forming S-pol of p_6 and p_{241}: Polynomial too big for output (text size is 12294 characters, number of terms is 18)

S-pol added.

1810. Creating S-polynomial from the pair (p_6, p_{242}).

Skipping pair p_6 and p_{242} because gcd of their leading monoms is zero.

1811. Creating S-polynomial from the pair (p_6, p_{243}).

Forming S-pol of p_6 and p_{243}: Polynomial too big for output (text size is 12255 characters, number of terms is 18)

S-pol added.

1812. Creating S-polynomial from the pair (p_6, p_{244}).

Skipping pair p_6 and p_{244} because gcd of their leading monoms is zero.

1813. Creating S-polynomial from the pair (p_6, p_{245}).

Skipping pair p_6 and p_{245} because gcd of their leading monoms is zero.

1814. Creating S-polynomial from the pair (p_6, p_{246}).

Skipping pair p_6 and p_{246} because gcd of their leading monoms is zero.

1815. Creating S-polynomial from the pair (p_6, p_{247}).

Skipping pair p_6 and p_{247} because gcd of their leading monoms is zero.

1816. Creating S-polynomial from the pair (p_6, p_{248}).

Skipping pair p_6 and p_{248} because gcd of their leading monoms is zero.

1817. Creating S-polynomial from the pair (p_6, p_{249}).

Skipping pair p_6 and p_{249} because gcd of their leading monoms is zero.

1818. Creating S-polynomial from the pair (p_6, p_{250}).

Skipping pair p_6 and p_{250} because gcd of their leading monoms is zero.

1819. Creating S-polynomial from the pair (p_6, p_{251}).

Skipping pair p_6 and p_{251} because gcd of their leading monoms is zero.

1820. Creating S-polynomial from the pair (p_6, p_{252}).

Skipping pair p_6 and p_{252} because gcd of their leading monoms is zero.

1821. Creating S-polynomial from the pair (p_6, p_{253}).

Skipping pair p_6 and p_{253} because gcd of their leading monoms is zero.

1822. Creating S-polynomial from the pair (p_6, p_{254}).

Skipping pair p_6 and p_{254} because gcd of their leading monoms is zero.

1823. Creating S-polynomial from the pair (p_6, p_{255}).

Skipping pair p_6 and p_{255} because gcd of their leading monoms is zero.

1824. Creating S-polynomial from the pair (p_6, p_{256}).

Forming S-pol of p_6 and p_{256}: Polynomial too big for output (text size is 6570 characters, number of terms is 10)

S-pol added.

1825. Creating S-polynomial from the pair (p_6, p_{257}).

Skipping pair p_6 and p_{257} because gcd of their leading monoms is zero.

1826. Creating S-polynomial from the pair (p_6, p_{258}).

Forming S-pol of p_6 and p_{258}: Polynomial too big for output (text size is 6545 characters, number of terms is 10)

S-pol added.

1827. Creating S-polynomial from the pair (p_6, p_{259}).

Skipping pair p_6 and p_{259} because gcd of their leading monoms is zero.

1828. Creating S-polynomial from the pair (p_6, p_{260}).

Skipping pair p_6 and p_{260} because gcd of their leading monoms is zero.

1829. Creating S-polynomial from the pair (p_6, p_{261}).

Skipping pair p_6 and p_{261} because gcd of their leading monoms is zero.

1830. Creating S-polynomial from the pair (p_6, p_{262}).

Skipping pair p_6 and p_{262} because gcd of their leading monoms is zero.

1831. Creating S-polynomial from the pair (p_6, p_{263}).

Skipping pair p_6 and p_{263} because gcd of their leading monoms is zero.

1832. Creating S-polynomial from the pair (p_6, p_{264}).

Skipping pair p_6 and p_{264} because gcd of their leading monoms is zero.

1833. Creating S-polynomial from the pair (p_6, p_{265}).

Skipping pair p_6 and p_{265} because gcd of their leading monoms is zero.

1834. Creating S-polynomial from the pair (p_6, p_{266}).

Skipping pair p_6 and p_{266} because gcd of their leading monoms is zero.

1835. Creating S-polynomial from the pair (p_6, p_{267}).

Forming S-pol of p_6 and p_{267}: Polynomial too big for output (text size is 12050 characters, number of terms is 18)

S-pol added.

1836. Creating S-polynomial from the pair (p_6, p_{268}).

Skipping pair p_6 and p_{268} because gcd of their leading monoms is zero.

1837. Creating S-polynomial from the pair (p_6, p_{269}).

Forming S-pol of p_6 and p_{269}: Polynomial too big for output (text size is 11991 characters, number of terms is 18)

S-pol added.

1838. Creating S-polynomial from the pair (p_6, p_{270}).

Skipping pair p_6 and p_{270} because gcd of their leading monoms is zero.

1839. Creating S-polynomial from the pair (p_6, p_{271}).

Skipping pair p_6 and p_{271} because gcd of their leading monoms is zero.

1840. Creating S-polynomial from the pair (p_6, p_{272}).

Skipping pair p_6 and p_{272} because gcd of their leading monoms is zero.

1841. Creating S-polynomial from the pair (p_6, p_{273}).

Skipping pair p_6 and p_{273} because gcd of their leading monoms is zero.

1842. Creating S-polynomial from the pair (p_6, p_{274}).

Skipping pair p_6 and p_{274} because gcd of their leading monoms is zero.

1843. Creating S-polynomial from the pair (p_6, p_{275}).

Skipping pair p_6 and p_{275} because gcd of their leading monoms is zero.

1844. Creating S-polynomial from the pair (p_6, p_{276}).

Skipping pair p_6 and p_{276} because gcd of their leading monoms is zero.

1845. Creating S-polynomial from the pair (p_6, p_{277}).

Skipping pair p_6 and p_{277} because gcd of their leading monoms is zero.

1846. Creating S-polynomial from the pair (p_6, p_{278}).

Skipping pair p_6 and p_{278} because gcd of their leading monoms is zero.

1847. Creating S-polynomial from the pair (p_6, p_{279}).

Skipping pair p_6 and p_{279} because gcd of their leading monoms is zero.

1848. Creating S-polynomial from the pair (p_6, p_{280}).

Skipping pair p_6 and p_{280} because gcd of their leading monoms is zero.

1849. Creating S-polynomial from the pair (p_6, p_{281}).

Skipping pair p_6 and p_{281} because gcd of their leading monoms is zero.

1850. Creating S-polynomial from the pair (p_6, p_{282}).

Forming S-pol of p_6 and p_{282}: Polynomial too big for output (text size is 6153 characters, number of terms is 10)

S-pol added.

1851. Creating S-polynomial from the pair (p_6, p_{283}).

Skipping pair p_6 and p_{283} because gcd of their leading monoms is zero.

1852. Creating S-polynomial from the pair (p_6, p_{284}).

Forming S-pol of p_6 and p_{284}: Polynomial too big for output (text size is 6125 characters, number of terms is 10)

S-pol added.

1853. Creating S-polynomial from the pair (p_6, p_{285}).

Skipping pair p_6 and p_{285} because gcd of their leading monoms is zero.

1854. Creating S-polynomial from the pair (p_6, p_{286}).

Skipping pair p_6 and p_{286} because gcd of their leading monoms is zero.

1855. Creating S-polynomial from the pair (p_6, p_{287}).

Skipping pair p_6 and p_{287} because gcd of their leading monoms is zero.

1856. Creating S-polynomial from the pair (p_6, p_{288}).

Skipping pair p_6 and p_{288} because gcd of their leading monoms is zero.

1857. Creating S-polynomial from the pair (p_6, p_{289}).

Skipping pair p_6 and p_{289} because gcd of their leading monoms is zero.

1858. Creating S-polynomial from the pair (p_6, p_{290}).

Skipping pair p_6 and p_{290} because gcd of their leading monoms is zero.

1859. Creating S-polynomial from the pair (p_6, p_{291}).

Skipping pair p_6 and p_{291} because gcd of their leading monoms is zero.

1860. Creating S-polynomial from the pair (p_6, p_{292}).

Skipping pair p_6 and p_{292} because gcd of their leading monoms is zero.

1861. Creating S-polynomial from the pair (p_6, p_{293}).

Skipping pair p_6 and p_{293} because gcd of their leading monoms is zero.

1862. Creating S-polynomial from the pair (p_6, p_{294}).

Skipping pair p_6 and p_{294} because gcd of their leading monoms is zero.

1863. Creating S-polynomial from the pair (p_6, p_{295}).

Skipping pair p_6 and p_{295} because gcd of their leading monoms is zero.

1864. Creating S-polynomial from the pair (p_6, p_{296}).

Skipping pair p_6 and p_{296} because gcd of their leading monoms is zero.

1865. Creating S-polynomial from the pair (p_6, p_{297}).

Skipping pair p_6 and p_{297} because gcd of their leading monoms is zero.

1866. Creating S-polynomial from the pair (p_6, p_{298}).

Skipping pair p_6 and p_{298} because gcd of their leading monoms is zero.

1867. Creating S-polynomial from the pair (p_6, p_{299}).

Forming S-pol of p_6 and p_{299}: Polynomial too big for output (text size is 4177 characters, number of terms is 10)

S-pol added.

1868. Creating S-polynomial from the pair (p_6, p_{300}).

Skipping pair p_6 and p_{300} because gcd of their leading monoms is zero.

1869. Creating S-polynomial from the pair (p_6, p_{301}).

Forming S-pol of p_6 and p_{301}: Polynomial too big for output (text size is 6837 characters, number of terms is 18)

S-pol added.

1870. Creating S-polynomial from the pair (p_6, p_{302}).

Forming S-pol of p_6 and p_{302}: Polynomial too big for output (text size is 1337 characters, number of terms is 10)

S-pol added.

1871. Creating S-polynomial from the pair (p_6, p_{303}).

Forming S-pol of p_6 and p_{303}: Polynomial too big for output (text size is 3636 characters, number of terms is 10)

S-pol added.

1872. Creating S-polynomial from the pair (p_6, p_{304}).

Forming S-pol of p_6 and p_{304}: Polynomial too big for output (text size is 3166 characters, number of terms is 10)

S-pol added.

1873. Creating S-polynomial from the pair (p_6, p_{305}).

Skipping pair p_6 and p_{305} because gcd of their leading monoms is zero.

1874. Creating S-polynomial from the pair (p_6, p_{306}).

Skipping pair p_6 and p_{306} because gcd of their leading monoms is zero.

1875. Creating S-polynomial from the pair (p_6, p_{307}).

Skipping pair p_6 and p_{307} because gcd of their leading monoms is zero.

1876. Creating S-polynomial from the pair (p_6, p_{308}).

Skipping pair p_6 and p_{308} because gcd of their leading monoms is zero.

1877. Creating S-polynomial from the pair (p_6, p_{309}).

Skipping pair p_6 and p_{309} because gcd of their leading monoms is zero.

1878. Creating S-polynomial from the pair (p_6, p_{310}).

Skipping pair p_6 and p_{310} because gcd of their leading monoms is zero.

1879. Creating S-polynomial from the pair (p_6, p_{311}).

Skipping pair p_6 and p_{311} because gcd of their leading monoms is zero.

1880. Creating S-polynomial from the pair (p_6, p_{312}).

Skipping pair p_6 and p_{312} because gcd of their leading monoms is zero.

1881. Creating S-polynomial from the pair (p_6, p_{313}).

Forming S-pol of p_6 and p_{313}:

$$p_{1758} = 8388608u_5u_3^{35}u_1^{23}x_7x_5x_4 - 8388608u_6u_5u_3^{34}u_1^{23}x_7x_4x_2+$$
$$8388608u_6u_5u_3^{34}u_1^{23}x_7x_4+$$
$$(16777216u_5u_3^{34}u_1^{24} - 8388608u_5u_3^{34}u_1^{23})x_6x_5x_4+$$
$$(-16777216u_5u_3^{33}u_1^{24} + 8388608u_5u_3^{33}u_1^{23})x_5x_4^2x_2+$$
$$(-16777216u_5^2u_3^{34}u_1^{24} + 8388608u_5^2u_3^{34}u_1^{23})x_5x_4$$

S-pol added.

1882. Creating S-polynomial from the pair (p_6, p_{314}).

Forming S-pol of p_6 and p_{314}:

$$p_{1759} = 4194304u_5u_3^{34}u_1^{22}x_7x_5x_4 - 4194304u_6u_5u_3^{33}u_1^{22}x_7x_4x_2+$$
$$4194304u_6u_5u_3^{33}u_1^{22}x_7x_4+$$
$$(8388608u_5u_3^{33}u_1^{23} - 4194304u_5u_3^{33}u_1^{22})x_6x_5x_4+$$
$$(-8388608u_5u_3^{32}u_1^{23} + 4194304u_5u_3^{32}u_1^{22})x_5x_4^2x_2+$$
$$(-8388608u_5^2u_3^{33}u_1^{23} + 4194304u_5^2u_3^{33}u_1^{22})x_5x_4$$

S-pol added.

1883. Creating S-polynomial from the pair (p_6, p_{315}).

Forming S-pol of p_6 and p_{315}: Polynomial too big for output (text size is 1083 characters, number of terms is 10)

S-pol added.

1884. Creating S-polynomial from the pair (p_6, p_{316}).

Forming S-pol of p_6 and p_{316}: Polynomial too big for output (text size is 1075 characters, number of terms is 10)

S-pol added.

1885. Creating S-polynomial from the pair (p_6, p_{317}).

Forming S-pol of p_6 and p_{317}:

$$p_{1760} = (-536870912u_5u_3^{45}u_1^{29} - 1073741824u_3^{46}u_1^{30})x_7x_5x_4+$$
$$(-1073741824u_5^2u_3^{44}u_1^{30} + 536870912u_5^2u_3^{44}u_1^{29})x_7x_5x_2+$$
$$536870912u_5^2u_3^{46}u_1^{29}x_7x_5+$$
$$(536870912u_6u_5u_3^{44}u_1^{29} + 1073741824u_6u_3^{45}u_1^{30})x_7x_4x_2+$$
$$(536870912u_6u_5u_3^{46}u_1^{29} - 1073741824u_6u_5u_3^{44}u_1^{30}-$$
$$1073741824u_6u_3^{45}u_1^{30})x_7x_4 - 536870912u_6u_5^2u_3^{45}u_1^{29}x_7x_2+$$
$$536870912u_6u_5^2u_3^{45}u_1^{29}x_7+$$
$$(-536870912u_5u_3^{46}u_1^{29} - 2147483648u_3^{45}u_1^{31} + 1073741824u_3^{45}u_1^{30})x_6x_5x_4+$$
$$(536870912u_5u_3^{45}u_1^{29} + 2147483648u_3^{44}u_1^{31} - 1073741824u_3^{44}u_1^{30})x_5x_4^2x_2+$$
$$(536870912u_5^2u_3^{46}u_1^{29} + 2147483648u_5u_3^{45}u_1^{31}-$$
$$1073741824u_5u_3^{45}u_1^{30})x_5x_4$$

S-pol added.

1886. Creating S-polynomial from the pair (p_6, p_{318}).

Forming S-pol of p_6 and p_{318}:

$$p_{1761} = (-268435456u_5u_3^{44}u_1^{28} - 536870912u_3^{45}u_1^{29})x_7x_5x_4+$$
$$(-536870912u_5^2u_3^{43}u_1^{29} + 268435456u_5^2u_3^{43}u_1^{28})x_7x_5x_2+$$
$$268435456u_5^2u_3^{45}u_1^{28}x_7x_5+$$
$$(268435456u_6u_5u_3^{43}u_1^{28} + 536870912u_6u_3^{44}u_1^{29})x_7x_4x_2+$$
$$(268435456u_6u_5u_3^{45}u_1^{28} - 536870912u_6u_5u_3^{43}u_1^{29}-$$
$$536870912u_6u_3^{44}u_1^{29})x_7x_4 - 268435456u_6u_5^2u_3^{44}u_1^{28}x_7x_2+$$
$$268435456u_6u_5^2u_3^{44}u_1^{28}x_7+$$
$$(-268435456u_5u_3^{45}u_1^{28} - 1073741824u_3^{44}u_1^{30} + 536870912u_3^{44}u_1^{29})x_6x_5x_4+$$
$$(268435456u_5u_3^{44}u_1^{28} + 1073741824u_3^{43}u_1^{30} - 536870912u_3^{43}u_1^{29})x_5x_4^2x_2+$$
$$(268435456u_5^2u_3^{45}u_1^{28} + 1073741824u_5u_3^{44}u_1^{30} - 536870912u_5u_3^{44}u_1^{29})x_5x_4$$

S-pol added.

1887. Creating S-polynomial from the pair (p_6, p_{319}).

Forming S-pol of p_6 and p_{319}:

$$p_{1762} = (-536870912u_5u_3^{45}u_1^{29} - 1073741824u_3^{46}u_1^{30})x_7x_5x_4+$$
$$(-1073741824u_5^2u_3^{44}u_1^{30} + 536870912u_5^2u_3^{44}u_1^{29})x_7x_5x_2+$$
$$536870912u_5^2u_3^{46}u_1^{29}x_7x_5+$$
$$(536870912u_6u_5u_3^{44}u_1^{29} + 1073741824u_6u_3^{45}u_1^{30})x_7x_4x_2+$$
$$(536870912u_6u_5u_3^{46}u_1^{29} - 1073741824u_6u_5u_3^{44}u_1^{30}-$$
$$1073741824u_6u_3^{45}u_1^{30})x_7x_4 - 536870912u_6u_5^2u_3^{45}u_1^{29}x_7x_2+$$
$$536870912u_6u_5^2u_3^{45}u_1^{29}x_7+$$
$$(-536870912u_5u_3^{46}u_1^{29} - 2147483648u_3^{45}u_1^{31} + 1073741824u_3^{45}u_1^{30})x_6x_5x_4+$$
$$(536870912u_5u_3^{45}u_1^{29} + 2147483648u_3^{44}u_1^{31} - 1073741824u_3^{44}u_1^{30})x_5x_4^2x_2+$$
$$(536870912u_5^2u_3^{46}u_1^{29} + 2147483648u_5u_3^{45}u_1^{31}-$$
$$1073741824u_5u_3^{45}u_1^{30})x_5x_4$$

S-pol added.

1888. Creating S-polynomial from the pair (p_6, p_{320}).

Forming S-pol of p_6 and p_{320}:

$$p_{1763} = (-1073741824u_5u_3^{50}u_1^{30} - 2147483648u_3^{51}u_1^{31})x_7x_5x_4+$$
$$(-2147483648u_5^2u_3^{49}u_1^{31} + 1073741824u_5^2u_3^{49}u_1^{30})x_7x_5x_2+$$
$$1073741824u_5^2u_3^{51}u_1^{30}x_7x_5+$$
$$(1073741824u_6u_5u_3^{49}u_1^{30} + 2147483648u_6u_3^{50}u_1^{31})x_7x_4x_2+$$

$$(1073741824u_6u_5u_3^{51}u_1^{30} - 2147483648u_6u_5u_3^{49}u_1^{31} -$$
$$2147483648u_6u_3^{50}u_1^{31})x_7x_4 - 1073741824u_6u_5^2u_3^{50}u_1^{30}x_7x_2 +$$
$$1073741824u_6u_5^2u_3^{50}u_1^{30}x_7 +$$
$$(-1073741824u_5u_3^{51}u_1^{30} - 4294967296u_3^{50}u_1^{32} + 2147483648u_3^{50}u_1^{31})x_6x_5x_4 +$$
$$(1073741824u_5u_3^{50}u_1^{30} + 4294967296u_3^{49}u_1^{32} - 2147483648u_3^{49}u_1^{31})x_5x_4^2x_2 +$$
$$(1073741824u_5^2u_3^{51}u_1^{30} + 4294967296u_5u_3^{50}u_1^{32} -$$
$$2147483648u_5u_3^{50}u_1^{31})x_5x_4$$

S-pol added.

1889. Creating S-polynomial from the pair (p_6, p_{321}).

Forming S-pol of p_6 and p_{321}:

$$p_{1764} = 32768u_3^{25}u_1^{15}x_7x_5x_4 - 32768u_6u_3^{24}u_1^{15}x_7x_4x_2 +$$
$$32768u_6u_3^{24}u_1^{15}x_7x_4 + (65536u_3^{24}u_1^{16} - 32768u_3^{24}u_1^{15})x_6x_5x_4 +$$
$$(-65536u_3^{23}u_1^{16} + 32768u_3^{23}u_1^{15})x_5x_4^2x_2 +$$
$$(-65536u_5u_3^{24}u_1^{16} + 32768u_5u_3^{24}u_1^{15})x_5x_4$$

S-pol added.

1890. Creating S-polynomial from the pair (p_6, p_{322}).

Forming S-pol of p_6 and p_{322}: Polynomial too big for output (text size is 4177 characters, number of terms is 10)

S-pol added.

1891. Creating S-polynomial from the pair (p_6, p_{323}).

Forming S-pol of p_6 and p_{323}: Polynomial too big for output (text size is 3277 characters, number of terms is 10)

S-pol added.

1892. Creating S-polynomial from the pair (p_6, p_{324}).

Forming S-pol of p_6 and p_{324}:

$$p_{1765} = -2097152u_3^{36}u_1^{21}x_7x_5x_4 +$$
$$(-2097152u_5^2u_3^{34}u_1^{21} + 1048576u_5^2u_3^{34}u_1^{20})x_7x_5x_2 +$$
$$1048576u_5^2u_3^{36}u_1^{20}x_7x_5 + 2097152u_6u_3^{35}u_1^{21}x_7x_4x_2 -$$
$$2097152u_6u_3^{35}u_1^{21}x_7x_4 - 1048576u_6u_5^2u_3^{35}u_1^{20}x_7x_2 +$$
$$1048576u_6u_5^2u_3^{35}u_1^{20}x_7 + (-4194304u_3^{35}u_1^{22} + 2097152u_3^{35}u_1^{21})x_6x_5x_4 +$$
$$(4194304u_3^{34}u_1^{22} - 2097152u_3^{34}u_1^{21})x_5x_4^2x_2 +$$
$$(4194304u_5u_3^{35}u_1^{22} - 2097152u_5u_3^{35}u_1^{21})x_5x_4$$

S-pol added.

1893. Creating S-polynomial from the pair (p_6, p_{325}).

Forming S-pol of p_6 and p_{325}:

$$p_{1766} = -4194304u_3^{30}u_1^{22}x_7x_5x_4+$$
$$(-4194304u_5^2u_3^{28}u_1^{22} + 2097152u_5^2u_3^{28}u_1^{21})x_7x_5x_2+$$
$$2097152u_5^2u_3^{30}u_1^{21}x_7x_5 + 4194304u_6u_3^{29}u_1^{22}x_7x_4x_2-$$
$$4194304u_6u_3^{29}u_1^{22}x_7x_4 - 2097152u_6u_5^2u_3^{29}u_1^{21}x_7x_2+$$
$$2097152u_6u_5^2u_3^{29}u_1^{21}x_7 + (-8388608u_3^{29}u_1^{23} + 4194304u_3^{29}u_1^{22})x_6x_5x_4+$$
$$(8388608u_3^{28}u_1^{23} - 4194304u_3^{28}u_1^{22})x_5x_4^2x_2+$$
$$(8388608u_5u_3^{29}u_1^{23} - 4194304u_5u_3^{29}u_1^{22})x_5x_4$$

S-pol added.

1894. Creating S-polynomial from the pair (p_6, p_{326}).

Forming S-pol of p_6 and p_{326}: Polynomial too big for output (text size is 3300 characters, number of terms is 10)

S-pol added.

1895. Creating S-polynomial from the pair (p_6, p_{327}).

Forming S-pol of p_6 and p_{327}: Polynomial too big for output (text size is 3166 characters, number of terms is 10)

S-pol added.

1896. Creating S-polynomial from the pair (p_6, p_{328}).

Forming S-pol of p_6 and p_{328}: Polynomial too big for output (text size is 6789 characters, number of terms is 18)

6 Prover report

Status: Program has reach its timeout!

Space Complexity: The biggest polynomial obtained during proof process contained 1448 terms.

Time Complexity: Time spent by the prover is 112.004 seconds.There are no ndg conditions.