

OpenGeoProver Output for conjecture “geothm_zadatak”

Wu’s method used

October 2, 2016

1 Invoking the theorem prover

The used proving method is Wu’s method.

The input system is:

$$\begin{aligned} p_1 &= 2x_1 - \\ p_2 &= 4x_2^2 - 3 \\ p_3 &= 3x_3 - x_2 \\ p_4 &= 3x_4^2 - 2 \\ p_5 &= x_5 - x_1 \\ p_6 &= x_6 - x_3 \\ p_7 &= x_7 - x_4 - x_2 \\ p_8 &= x_8 - x_4x_2 \\ p_9 &= x_9 + x_4x_1 - x_4 \\ p_{10} &= x_{10} - x_3x_1 + x_3 + x_2x_1 - x_2 \\ p_{11} &= x_{11} - x_4x_2 - \\ p_{12} &= x_{12} + x_4x_1 \\ p_{13} &= x_{13} - x_3x_1 + x_2x_1 \\ p_{14} &= -x_{18}x_{11} + x_{18} + x_{17}x_{12} - x_{12} \\ p_{15} &= x_{19}x_{11} - x_{19} - x_{17}x_{13} + x_{13} \\ p_{16} &= -x_{18}x_8 + x_{17}x_9 \\ p_{17} &= -x_{15}x_8 + x_{14}x_9 \\ p_{18} &= x_{16}x_5 - x_{16}x_1 - x_{14}x_7 + x_{14}x_4 + x_7x_1 - x_5x_4 \\ p_{19} &= -x_{16}x_6 + x_{16}x_3 + x_{15}x_7 - x_{15}x_4 - x_7x_3 + x_6x_4 \end{aligned}$$

1.1 Triangulation, step 1

Choosing variable: Trying the variable with index 19.

Variable x_{19} selected: The number of polynomials with this variable, with indexes from 1 to 19, is 1.

Single polynomial with chosen variable: Chosen polynomial is p_{15} . No reduction needed.

The triangular system has not been changed.

1.2 Triangulation, step 2

Choosing variable: Trying the variable with index 18.

Variable x_{18} selected: The number of polynomials with this variable, with indexes from 1 to 18, is 2.

Minimal degrees: 2 polynomial(s) with degree 1.

Polynomial with linear degree: Removing variable x_{18} from all other polynomials by reducing them with polynomial p_{14} from previous step.

Finished a triangulation step, the current system is:

$$\begin{aligned}
p_1 &= 2x_1 - \\
p_2 &= 4x_2^2 - 3 \\
p_3 &= 3x_3 - x_2 \\
p_4 &= 3x_4^2 - 2 \\
p_5 &= x_5 - x_1 \\
p_6 &= x_6 - x_3 \\
p_7 &= x_7 - x_4 - x_2 \\
p_8 &= x_8 - x_4x_2 \\
p_9 &= x_9 + x_4x_1 - x_4 \\
p_{10} &= x_{10} - x_3x_1 + x_3 + x_2x_1 - x_2 \\
p_{11} &= x_{11} - x_4x_2 - \\
p_{12} &= x_{12} + x_4x_1 \\
p_{13} &= x_{13} - x_3x_1 + x_2x_1 \\
p_{14} &= -x_{15}x_8 + x_{14}x_9 \\
p_{15} &= x_{16}x_5 - x_{16}x_1 - x_{14}x_7 + x_{14}x_4 + x_7x_1 - x_5x_4 \\
p_{16} &= -x_{16}x_6 + x_{16}x_3 + x_{15}x_7 - x_{15}x_4 - x_7x_3 + x_6x_4 \\
p_{17} &= x_{17}x_{12}x_8 - x_{17}x_{11}x_9 + x_{17}x_9 - x_{12}x_8 \\
p_{18} &= -x_{18}x_{11} + x_{18} + x_{17}x_{12} - x_{12} \\
p_{19} &= x_{19}x_{11} - x_{19} - x_{17}x_{13} + x_{13}
\end{aligned}$$

1.3 Triangulation, step 3

Choosing variable: Trying the variable with index 17.

Variable x_{17} selected: The number of polynomials with this variable, with indexes from 1 to 17, is 1.

Single polynomial with chosen variable: Chosen polynomial is p_{17} . No reduction needed.

The triangular system has not been changed.

1.4 Triangulation, step 4

Choosing variable: Trying the variable with index 16.

Variable x_{16} selected: The number of polynomials with this variable, with indexes from 1 to 16, is 2.

Minimal degrees: 2 polynomial(s) with degree 1.

Polynomial with linear degree: Removing variable x_{16} from all other polynomials by reducing them with polynomial p_{15} from previous step.

Finished a triangulation step, the current system is:

$$\begin{aligned}
p_1 &= 2x_1 - \\
p_2 &= 4x_2^2 - 3 \\
p_3 &= 3x_3 - x_2 \\
p_4 &= 3x_4^2 - 2 \\
p_5 &= x_5 - x_1 \\
p_6 &= x_6 - x_3 \\
p_7 &= x_7 - x_4 - x_2 \\
p_8 &= x_8 - x_4x_2 \\
p_9 &= x_9 + x_4x_1 - x_4 \\
p_{10} &= x_{10} - x_3x_1 + x_3 + x_2x_1 - x_2 \\
p_{11} &= x_{11} - x_4x_2 - \\
p_{12} &= x_{12} + x_4x_1 \\
p_{13} &= x_{13} - x_3x_1 + x_2x_1 \\
p_{14} &= -x_{15}x_8 + x_{14}x_9 \\
p_{15} &= x_{15}x_7x_5 - x_{15}x_7x_1 - x_{15}x_5x_4 + x_{15}x_4x_1 - x_{14}x_7x_6 + \\
&\quad x_{14}x_7x_3 + x_{14}x_6x_4 - x_{14}x_4x_3 + x_7x_6x_1 - x_7x_5x_3 \\
&\quad - x_6x_4x_1 + x_5x_4x_3 \\
p_{16} &= x_{16}x_5 - x_{16}x_1 - x_{14}x_7 + x_{14}x_4 + x_7x_1 - x_5x_4 \\
p_{17} &= x_{17}x_{12}x_8 - x_{17}x_{11}x_9 + x_{17}x_9 - x_{12}x_8 \\
p_{18} &= -x_{18}x_{11} + x_{18} + x_{17}x_{12} - x_{12} \\
p_{19} &= x_{19}x_{11} - x_{19} - x_{17}x_{13} + x_{13}
\end{aligned}$$

1.5 Triangulation, step 5

Choosing variable: Trying the variable with index 15.

Variable x_{15} selected: The number of polynomials with this variable, with indexes from 1 to 15, is 2.

Minimal degrees: 2 polynomial(s) with degree 1.

Polynomial with linear degree: Removing variable x_{15} from all other polynomials by reducing them with polynomial p_{14} from previous step.

Finished a triangulation step, the current system is:

$$\begin{aligned}
p_1 &= 2x_1 - \\
p_2 &= 4x_2^2 - 3 \\
p_3 &= 3x_3 - x_2 \\
p_4 &= 3x_4^2 - 2 \\
p_5 &= x_5 - x_1 \\
p_6 &= x_6 - x_3 \\
p_7 &= x_7 - x_4 - x_2 \\
p_8 &= x_8 - x_4x_2 \\
p_9 &= x_9 + x_4x_1 - x_4 \\
p_{10} &= x_{10} - x_3x_1 + x_3 + x_2x_1 - x_2 \\
p_{11} &= x_{11} - x_4x_2 - \\
p_{12} &= x_{12} + x_4x_1 \\
p_{13} &= x_{13} - x_3x_1 + x_2x_1 \\
p_{14} &= -x_{14}x_9x_7x_5 + x_{14}x_9x_7x_1 + x_{14}x_9x_5x_4 - x_{14}x_9x_4x_1 + \\
&\quad x_{14}x_8x_7x_6 - x_{14}x_8x_7x_3 - x_{14}x_8x_6x_4 + x_{14}x_8x_4x_3 \\
&\quad - x_8x_7x_6x_1 + x_8x_7x_5x_3 + x_8x_6x_4x_1 - x_8x_5x_4x_3 \\
p_{15} &= -x_{15}x_8 + x_{14}x_9 \\
p_{16} &= x_{16}x_5 - x_{16}x_1 - x_{14}x_7 + x_{14}x_4 + x_7x_1 - x_5x_4 \\
p_{17} &= x_{17}x_{12}x_8 - x_{17}x_{11}x_9 + x_{17}x_9 - x_{12}x_8 \\
p_{18} &= -x_{18}x_{11} + x_{18} + x_{17}x_{12} - x_{12} \\
p_{19} &= x_{19}x_{11} - x_{19} - x_{17}x_{13} + x_{13}
\end{aligned}$$

1.6 Triangulation, step 6

Choosing variable: Trying the variable with index 14.

Variable x_{14} selected: The number of polynomials with this variable, with indexes from 1 to 14, is 1.

Single polynomial with chosen variable: Chosen polynomial is p_{14} . No reduction needed.

The triangular system has not been changed.

1.7 Triangulation, step 7

Choosing variable: Trying the variable with index 13.

Variable x_{13} selected: The number of polynomials with this variable, with indexes from 1 to 13, is 1.

Single polynomial with chosen variable: Chosen polynomial is p_{13} . No reduction needed.

The triangular system has not been changed.

1.8 Triangulation, step 8

Choosing variable: Trying the variable with index 12.

Variable x_{12} selected: The number of polynomials with this variable, with indexes from 1 to 12, is 1.

Single polynomial with chosen variable: Chosen polynomial is p_{12} . No reduction needed.

The triangular system has not been changed.

1.9 Triangulation, step 9

Choosing variable: Trying the variable with index 11.

Variable x_{11} selected: The number of polynomials with this variable, with indexes from 1 to 11, is 1.

Single polynomial with chosen variable: Chosen polynomial is p_{11} . No reduction needed.

The triangular system has not been changed.

1.10 Triangulation, step 10

Choosing variable: Trying the variable with index 10.

Variable x_{10} selected: The number of polynomials with this variable, with indexes from 1 to 10, is 1.

Single polynomial with chosen variable: Chosen polynomial is p_{10} . No reduction needed.

The triangular system has not been changed.

1.11 Triangulation, step 11

Choosing variable: Trying the variable with index 9.

Variable x_9 selected: The number of polynomials with this variable, with indexes from 1 to 9, is 1.

Single polynomial with chosen variable: Chosen polynomial is p_9 . No reduction needed.

The triangular system has not been changed.

1.12 Triangulation, step 12

Choosing variable: Trying the variable with index 8.

Variable x_8 selected: The number of polynomials with this variable, with indexes from 1 to 8, is 1.

Single polynomial with chosen variable: Chosen polynomial is p_8 . No reduction needed.

The triangular system has not been changed.

1.13 Triangulation, step 13

Choosing variable: Trying the variable with index 7.

Variable x_7 selected: The number of polynomials with this variable, with indexes from 1 to 7, is 1.

Single polynomial with chosen variable: Chosen polynomial is p_7 . No reduction needed.

The triangular system has not been changed.

1.14 Triangulation, step 14

Choosing variable: Trying the variable with index 6.

Variable x_6 selected: The number of polynomials with this variable, with indexes from 1 to 6, is 1.

Single polynomial with chosen variable: Chosen polynomial is p_6 . No reduction needed.

The triangular system has not been changed.

1.15 Triangulation, step 15

Choosing variable: Trying the variable with index 5.

Variable x_5 selected: The number of polynomials with this variable, with indexes from 1 to 5, is 1.

Single polynomial with chosen variable: Chosen polynomial is p_5 . No reduction needed.

The triangular system has not been changed.

1.16 Triangulation, step 16

Choosing variable: Trying the variable with index 4.

Variable x_4 selected: The number of polynomials with this variable, with indexes from 1 to 4, is 1.

Single polynomial with chosen variable: Chosen polynomial is p_4 . No reduction needed.

The triangular system has not been changed.

1.17 Triangulation, step 17

Choosing variable: Trying the variable with index 3.

Variable x_3 selected: The number of polynomials with this variable, with indexes from 1 to 3, is 1.

Single polynomial with chosen variable: Chosen polynomial is p_3 . No reduction needed.

The triangular system has not been changed.

1.18 Triangulation, step 18

Choosing variable: Trying the variable with index 2.

Variable x_2 selected: The number of polynomials with this variable, with indexes from 1 to 2, is 1.

Single polynomial with chosen variable: Chosen polynomial is p_2 . No reduction needed.

The triangular system has not been changed.

1.19 Triangulation, step 19

Choosing variable: Trying the variable with index 1.

Variable x_1 selected: The number of polynomials with this variable, with indexes from 1 to 1, is 1.

Single polynomial with chosen variable: Chosen polynomial is p_1 . No reduction needed.

The triangular system has not been changed.

The triangular system is:

$$\begin{aligned}
p_1 &= 2x_1 - \\
p_2 &= 4x_2^2 - 3 \\
p_3 &= 3x_3 - x_2 \\
p_4 &= 3x_4^2 - 2 \\
p_5 &= x_5 - x_1 \\
p_6 &= x_6 - x_3 \\
p_7 &= x_7 - x_4 - x_2 \\
p_8 &= x_8 - x_4x_2 \\
p_9 &= x_9 + x_4x_1 - x_4 \\
p_{10} &= x_{10} - x_3x_1 + x_3 + x_2x_1 - x_2 \\
p_{11} &= x_{11} - x_4x_2 - \\
p_{12} &= x_{12} + x_4x_1 \\
p_{13} &= x_{13} - x_3x_1 + x_2x_1 \\
p_{14} &= -x_{14}x_9x_7x_5 + x_{14}x_9x_7x_1 + x_{14}x_9x_5x_4 - x_{14}x_9x_4x_1 + \\
&\quad x_{14}x_8x_7x_6 - x_{14}x_8x_7x_3 - x_{14}x_8x_6x_4 + x_{14}x_8x_4x_3 \\
&\quad - x_8x_7x_6x_1 + x_8x_7x_5x_3 + x_8x_6x_4x_1 - x_8x_5x_4x_3 \\
p_{15} &= -x_{15}x_8 + x_{14}x_9 \\
p_{16} &= x_{16}x_5 - x_{16}x_1 - x_{14}x_7 + x_{14}x_4 + x_7x_1 - x_5x_4 \\
p_{17} &= x_{17}x_{12}x_8 - x_{17}x_{11}x_9 + x_{17}x_9 - x_{12}x_8 \\
p_{18} &= -x_{18}x_{11} + x_{18} + x_{17}x_{12} - x_{12} \\
p_{19} &= x_{19}x_{11} - x_{19} - x_{17}x_{13} + x_{13}
\end{aligned}$$

2 Final Remainder

2.1 Final remainder for conjecture geothm_zadatak

Calculating final remainder of the conclusion:

$$g = -x_{17} + x_{14}$$

with respect to the triangular system.

1. Pseudo remainder with p_{19} over variable x_{19} :

$$g = -x_{17} + x_{14}$$

2. Pseudo remainder with p_{18} over variable x_{18} :

$$g = -x_{17} + x_{14}$$

3. Pseudo remainder with p_{17} over variable x_{17} :

$$g = x_{14}x_{12}x_8 - x_{14}x_{11}x_9 + x_{14}x_9 - x_{12}x_8$$

4. Pseudo remainder with p_{16} over variable x_{16} :

$$g = x_{14}x_{12}x_8 - x_{14}x_{11}x_9 + x_{14}x_9 - x_{12}x_8$$

5. Pseudo remainder with p_{15} over variable x_{15} :

$$g = x_{14}x_{12}x_8 - x_{14}x_{11}x_9 + x_{14}x_9 - x_{12}x_8$$

6. Pseudo remainder with p_{14} over variable x_{14} :

$$\begin{aligned} g = & x_{12}x_9x_8x_7x_5 - x_{12}x_9x_8x_7x_1 - x_{12}x_9x_8x_5x_4 + \\ & x_{12}x_9x_8x_4x_1 + x_{12}x_8^2x_7x_6x_1 - x_{12}x_8^2x_7x_6 \\ & - x_{12}x_8^2x_7x_5x_3 + x_{12}x_8^2x_7x_3 - x_{12}x_8^2x_6x_4x_1 + \\ & x_{12}x_8^2x_6x_4 + x_{12}x_8^2x_5x_4x_3 - x_{12}x_8^2x_4x_3 \\ & - x_{11}x_9x_8x_7x_6x_1 + x_{11}x_9x_8x_7x_5x_3 + \\ & x_{11}x_9x_8x_6x_4x_1 - x_{11}x_9x_8x_5x_4x_3 + x_9x_8x_7x_6x_1 \\ & - x_9x_8x_7x_5x_3 - x_9x_8x_6x_4x_1 + x_9x_8x_5x_4x_3 \end{aligned}$$

7. Pseudo remainder with p_{13} over variable x_{13} :

$$\begin{aligned} g = & x_{12}x_9x_8x_7x_5 - x_{12}x_9x_8x_7x_1 - x_{12}x_9x_8x_5x_4 + \\ & x_{12}x_9x_8x_4x_1 + x_{12}x_8^2x_7x_6x_1 - x_{12}x_8^2x_7x_6 \\ & - x_{12}x_8^2x_7x_5x_3 + x_{12}x_8^2x_7x_3 - x_{12}x_8^2x_6x_4x_1 + \\ & x_{12}x_8^2x_6x_4 + x_{12}x_8^2x_5x_4x_3 - x_{12}x_8^2x_4x_3 \\ & - x_{11}x_9x_8x_7x_6x_1 + x_{11}x_9x_8x_7x_5x_3 + \\ & x_{11}x_9x_8x_6x_4x_1 - x_{11}x_9x_8x_5x_4x_3 + x_9x_8x_7x_6x_1 \\ & - x_9x_8x_7x_5x_3 - x_9x_8x_6x_4x_1 + x_9x_8x_5x_4x_3 \end{aligned}$$

8. Pseudo remainder with p_{12} over variable x_{12} :

$$\begin{aligned} g = & -x_{11}x_9x_8x_7x_6x_1 + x_{11}x_9x_8x_7x_5x_3 + \\ & x_{11}x_9x_8x_6x_4x_1 - x_{11}x_9x_8x_5x_4x_3 + x_9x_8x_7x_6x_1 \\ & - x_9x_8x_7x_5x_4x_1 - x_9x_8x_7x_5x_3 + x_9x_8x_7x_4x_1^2 \\ & - x_9x_8x_6x_4x_1 + x_9x_8x_5x_4^2x_1 + x_9x_8x_5x_4x_3 \\ & - x_9x_8x_4^2x_1^2 - x_8^2x_7x_6x_4x_1^2 + \end{aligned}$$

$$\begin{aligned}
& x_8^2 x_7 x_6 x_4 x_1 + x_8^2 x_7 x_5 x_4 x_3 x_1 \\
& - x_8^2 x_7 x_4 x_3 x_1 + x_8^2 x_6 x_4^2 x_1^2 \\
& - x_8^2 x_6 x_4^2 x_1 - x_8^2 x_5 x_4^2 x_3 x_1 + \\
& x_8^2 x_4^2 x_3 x_1
\end{aligned}$$

9. Pseudo remainder with p_{11} over variable x_{11} :

$$\begin{aligned}
g = & -x_9 x_8 x_7 x_6 x_4 x_2 x_1 + x_9 x_8 x_7 x_5 x_4 x_3 x_2 \\
& -x_9 x_8 x_7 x_5 x_4 x_1 + x_9 x_8 x_7 x_4 x_1^2 + \\
& x_9 x_8 x_6 x_4^2 x_2 x_1 - x_9 x_8 x_5 x_4^2 x_3 x_2 + \\
& x_9 x_8 x_5 x_4^2 x_1 - x_9 x_8 x_4^2 x_1^2 \\
& -x_8^2 x_7 x_6 x_4 x_1^2 + x_8^2 x_7 x_6 x_4 x_1 + \\
& x_8^2 x_7 x_5 x_4 x_3 x_1 - x_8^2 x_7 x_4 x_3 x_1 + \\
& x_8^2 x_6 x_4^2 x_1^2 - x_8^2 x_6 x_4^2 x_1 \\
& -x_8^2 x_5 x_4^2 x_3 x_1 + x_8^2 x_4^2 x_3 x_1
\end{aligned}$$

10. Pseudo remainder with p_{10} over variable x_{10} :

$$\begin{aligned}
g = & -x_9 x_8 x_7 x_6 x_4 x_2 x_1 + x_9 x_8 x_7 x_5 x_4 x_3 x_2 \\
& -x_9 x_8 x_7 x_5 x_4 x_1 + x_9 x_8 x_7 x_4 x_1^2 + \\
& x_9 x_8 x_6 x_4^2 x_2 x_1 - x_9 x_8 x_5 x_4^2 x_3 x_2 + \\
& x_9 x_8 x_5 x_4^2 x_1 - x_9 x_8 x_4^2 x_1^2 \\
& -x_8^2 x_7 x_6 x_4 x_1^2 + x_8^2 x_7 x_6 x_4 x_1 + \\
& x_8^2 x_7 x_5 x_4 x_3 x_1 - x_8^2 x_7 x_4 x_3 x_1 + \\
& x_8^2 x_6 x_4^2 x_1^2 - x_8^2 x_6 x_4^2 x_1 \\
& -x_8^2 x_5 x_4^2 x_3 x_1 + x_8^2 x_4^2 x_3 x_1
\end{aligned}$$

11. Pseudo remainder with p_9 over variable x_9 :

$$\begin{aligned}
g = & -x_8^2 x_7 x_6 x_4 x_1^2 + x_8^2 x_7 x_6 x_4 x_1 + \\
& x_8^2 x_7 x_5 x_4 x_3 x_1 - x_8^2 x_7 x_4 x_3 x_1 + \\
& x_8^2 x_6 x_4^2 x_1^2 - x_8^2 x_6 x_4^2 x_1 \\
& -x_8^2 x_5 x_4^2 x_3 x_1 + x_8^2 x_4^2 x_3 x_1 + \\
& x_8 x_7 x_6 x_4^2 x_2 x_1^2 - x_8 x_7 x_6 x_4^2 x_2 x_1 \\
& -x_8 x_7 x_5 x_4^2 x_3 x_2 x_1 + x_8 x_7 x_5 x_4^2 x_3 x_2 + \\
& x_8 x_7 x_5 x_4^2 x_1^2 - x_8 x_7 x_5 x_4^2 x_1 \\
& -x_8 x_7 x_4^2 x_1^3 + x_8 x_7 x_4^2 x_1^2 \\
& -x_8 x_6 x_4^3 x_2 x_1^2 + x_8 x_6 x_4^3 x_2 x_1 + \\
& x_8 x_5 x_4^3 x_3 x_2 x_1 - x_8 x_5 x_4^3 x_3 x_2 \\
& -x_8 x_5 x_4^3 x_1^2 + x_8 x_5 x_4^3 x_1 + x_8 x_4^3 x_1^3 \\
& -x_8 x_4^3 x_1^2
\end{aligned}$$

12. Pseudo remainder with p_8 over variable x_8 :

$$\begin{aligned}
g = & x_7x_5x_4^3x_3x_2^2 + x_7x_5x_4^3x_2x_1^2 \\
& - x_7x_5x_4^3x_2x_1 - x_7x_4^3x_3x_2^2x_1 \\
& - x_7x_4^3x_2x_1^3 + x_7x_4^3x_2x_1^2 - x_5x_4^4x_3x_2^2 \\
& - x_5x_4^4x_2x_1^2 + x_5x_4^4x_2x_1 + x_4^4x_3x_2^2x_1 + \\
& x_4^4x_2x_1^3 - x_4^4x_2x_1^2
\end{aligned}$$

13. Pseudo remainder with p_7 over variable x_7 :

$$\begin{aligned}
g = & x_5x_4^3x_3x_2^3 + x_5x_4^3x_2^2x_1^2 - x_5x_4^3x_2^2x_1 \\
& - x_4^3x_3x_2^3x_1 - x_4^3x_2^2x_1^3 + x_4^3x_2^2x_1^2
\end{aligned}$$

14. Pseudo remainder with p_6 over variable x_6 :

$$\begin{aligned}
g = & x_5x_4^3x_3x_2^3 + x_5x_4^3x_2^2x_1^2 - x_5x_4^3x_2^2x_1 \\
& - x_4^3x_3x_2^3x_1 - x_4^3x_2^2x_1^3 + x_4^3x_2^2x_1^2
\end{aligned}$$

15. Pseudo remainder with p_5 over variable x_5 :

$$g = 0$$

16. Pseudo remainder with p_4 over variable x_4 :

$$g = 0$$

17. Pseudo remainder with p_3 over variable x_3 :

$$g = 0$$

18. Pseudo remainder with p_2 over variable x_2 :

$$g = 0$$

19. Pseudo remainder with p_1 over variable x_1 :

$$g = 0$$

3 Prover results

Status: Theorem has been proved.

Space Complexity: The biggest polynomial obtained during prover execution contains 24 terms.

Time Complexity: Time spent by the prover is 0.107 seconds.

4 NDG Conditions

NDG Conditions in readable form

- Failed to translate NDG Conditions to readable form