

Table # initial

pots:
pot #0:
symbol b_1 : $[-0.0, inf)$
symbol b_2 : $[-0.0, inf)$

		x_0	x_1	x_2	x_3
x_2	b_1	a_{11}	a_{12}	1.00	0.0
x_3	b_2	a_{21}	a_{22}	0.0	1.00
Ψ	0.0	c_1	c_2	0.0	0.0

Table #0

Moving out basis: x_2 from line: 0

Moving to basis: x_0

pots:

pot #0:

symbol c_1 : $(-inf, 0.0)$

symbol b_1 : $[-0.0, inf)$

symbol b_2 : $[-0.0, inf)$

symbol a_{11} : $(-0.0, inf)$

symbol a_{21} : $(-0.0, inf)$

$b_2 a_{11} - b_1 a_{21} \geq 0$

pot #1:

symbol c_1 : $(-inf, 0.0)$

symbol b_1 : $[-0.0, inf)$

symbol b_2 : $[-0.0, inf)$

symbol a_{11} : $(-0.0, inf)$

symbol a_{21} : $(-inf, 0.0]$

		x_0	x_1	x_2	x_3
x_0	$\frac{b_1}{a_{11}}$	1.00	$\frac{a_{12}}{a_{11}}$	$\frac{1.00}{a_{11}}$	0.0
x_3	$\frac{b_2 a_{11} - b_1 a_{21}}{a_{11}}$	0.0	$\frac{a_{11} a_{22} - a_{12} a_{21}}{a_{11}}$	$\frac{-a_{21}}{a_{11}}$	1.00
Ψ	$\frac{-c_1 b_1}{a_{11}}$	0.0	$\frac{c_2 a_{11} - c_1 a_{12}}{a_{11}}$	$\frac{-c_1}{a_{11}}$	0.0

Table #0.0

Moving out basis: x_0 from line: 0

Moving to basis: x_1

pots:

pot #0:

symbol $a_{12} : (-0.0, inf)$

symbol $c_1 : (-inf, 0.0)$

symbol $a_{11} : (-0.0, inf)$

symbol $b_1 : [-0.0, inf)$

symbol $b_2 : [-0.0, inf)$

symbol $a_{21} : (-0.0, inf)$

$b_2 a_{11} - b_1 a_{21} \geq 0$

$-c_2 a_{11} + c_1 a_{12} > 0$

$a_{11} a_{22} - a_{12} a_{21} > 0$

$a_{12} b_2 - b_1 a_{22} \geq 0$

pot #1:

symbol $a_{12} : (-0.0, inf)$

symbol $c_1 : (-inf, 0.0)$

symbol $a_{11} : (-0.0, inf)$

symbol $b_1 : [-0.0, inf)$

symbol $b_2 : [-0.0, inf)$

symbol $a_{21} : (-0.0, inf)$

$b_2 a_{11} - b_1 a_{21} \geq 0$

$-c_2 a_{11} + c_1 a_{12} > 0$

$-a_{11} a_{22} + a_{12} a_{21} \geq 0$

pot #2:

symbol $a_{12} : (-0.0, inf)$

symbol $c_1 : (-inf, 0.0)$

symbol $a_{11} : (-0.0, inf)$

symbol $b_1 : [-0.0, inf)$

symbol $b_2 : [-0.0, inf)$

symbol $a_{21} : (-inf, 0.0]$

$-c_2 a_{11} + c_1 a_{12} > 0$

$a_{11} a_{22} - a_{12} a_{21} > 0$

$a_{12} b_2 - b_1 a_{22} \geq 0$

pot #3:

symbol $a_{12} : (-0.0, inf)$

symbol $c_1 : (-inf, 0.0)$

symbol $a_{11} : (-0.0, inf)$

symbol $b_1 : [-0.0, inf)$

symbol $b_2 : [-0.0, inf)$

symbol $a_{21} : (-inf, 0.0]$

$-c_2 a_{11} + c_1 a_{12} > 0$

$-a_{11} a_{22} + a_{12} a_{21} \geq 0$

		x_0	x_1	x_2	x_3
x_1	$\frac{b_1}{a_{12}}$	$\frac{a_{11}}{a_{12}}$	1.00	$\frac{1.00}{a_{12}}$	0.0
x_3	$\frac{a_{12} b_2 - b_1 a_{22}}{a_{12}}$	$\frac{-a_{11} a_{22} + a_{12} a_{21}}{a_{12}}$	0.0	$\frac{-a_{22}}{a_{12}}$	1.00
Ψ	$\frac{-b_1 c_2}{a_{12}}$	$\frac{-c_2 a_{11} + c_1 a_{12}}{a_{12}}$	0.0	$\frac{-c_2}{a_{12}}$	0.0

Solution:

$$x_0 = 0.0$$

$$x_1 = \frac{b_1}{a_{12}}$$

$$x_2 = 0.0$$

$$x_3 = \frac{a_{12}b_2-b_1a_{22}}{a_{12}}$$

$$\Psi = \frac{-b_1c_2}{a_{12}}$$

Table #0.1

Moving out basis: x_3 from line: 1

Moving to basis: x_1

pots:

pot #0:

symbol $a_{12} : (-0.0, inf)$

symbol $c_1 : (-inf, 0.0)$

symbol $a_{11} : (-0.0, inf)$

symbol $b_1 : [-0.0, inf)$

symbol $b_2 : [-0.0, inf)$

symbol $a_{21} : (-0.0, inf)$

$b_2 a_{11} - b_1 a_{21} \geq 0$

$-c_2 a_{11} + c_1 a_{12} > 0$

$a_{11} a_{22} - a_{12} a_{21} > 0$

$b_1 a_{22} - a_{12} b_2 \geq 0$

pot #1:

symbol $a_{12} : (-inf, 0.0]$

symbol $c_1 : (-inf, 0.0)$

symbol $a_{11} : (-0.0, inf)$

symbol $b_1 : [-0.0, inf)$

symbol $b_2 : [-0.0, inf)$

symbol $a_{21} : (-0.0, inf)$

$b_2 a_{11} - b_1 a_{21} \geq 0$

$-c_2 a_{11} + c_1 a_{12} > 0$

$a_{11} a_{22} - a_{12} a_{21} > 0$

pot #2:

symbol $a_{12} : (-0.0, inf)$

symbol $c_1 : (-inf, 0.0)$

symbol $a_{11} : (-0.0, inf)$

symbol $b_1 : [-0.0, inf)$

symbol $b_2 : [-0.0, inf)$

symbol $a_{21} : (-inf, 0.0]$

$-c_2 a_{11} + c_1 a_{12} > 0$

$a_{11} a_{22} - a_{12} a_{21} > 0$

$b_1 a_{22} - a_{12} b_2 \geq 0$

pot #3:

symbol $a_{12} : (-inf, 0.0]$

symbol $c_1 : (-inf, 0.0)$

symbol $a_{11} : (-0.0, inf)$

symbol $b_1 : [-0.0, inf)$

symbol $b_2 : [-0.0, inf)$

symbol $a_{21} : (-inf, 0.0]$

$-c_2 a_{11} + c_1 a_{12} > 0$

$a_{11} a_{22} - a_{12} a_{21} > 0$

		x_0	x_1	x_2	x_3
x_0	$\frac{b_1 a_{22} - a_{12} b_2}{a_{11} a_{22} - a_{12} a_{21}}$	1.00	0.0	$\frac{a_{22}}{a_{11} a_{22} - a_{12} a_{21}}$	$\frac{-a_{12}}{a_{11} a_{22} - a_{12} a_{21}}$
x_1	$\frac{b_2 a_{11} - b_1 a_{21}}{a_{11} a_{22} - a_{12} a_{21}}$	0.0	1.00	$\frac{-a_{21}}{a_{11} a_{22} - a_{12} a_{21}}$	$\frac{a_{11}}{a_{11} a_{22} - a_{12} a_{21}}$
Ψ	$\frac{-c_1 b_1 a_{22} - b_2 c_2 a_{11} + c_1 a_{12} b_2 + b_1 c_2 a_{21}}{a_{11} a_{22} - a_{12} a_{21}}$	0.0	0.0	$\frac{-c_1 a_{22} + c_2 a_{21}}{a_{11} a_{22} - a_{12} a_{21}}$	$\frac{-c_2 a_{11} + c_1 a_{12}}{a_{11} a_{22} - a_{12} a_{21}}$

Table #0.1.0

Moving out basis: x_0 from line: 0

Moving to basis: x_2

pots:

pot #0:

symbol a_{12} : $(-0.0, inf)$

symbol c_1 : $(-inf, 0.0)$

symbol a_{11} : $(-0.0, inf)$

symbol a_{22} : $(-0.0, inf)$

symbol b_1 : $[-0.0, inf)$

symbol b_2 : $[-0.0, inf)$

symbol a_{21} : $(-0.0, inf)$

$b_2 a_{11} - b_1 a_{21} \geq 0$

$-c_2 a_{11} + c_1 a_{12} > 0$

$a_{11} a_{22} - a_{12} a_{21} > 0$

$b_1 a_{22} - a_{12} b_2 \geq 0$

$c_1 a_{22} - c_2 a_{21} > 0$

pot #1:

symbol a_{12} : $(-inf, 0.0]$

symbol c_1 : $(-inf, 0.0)$

symbol a_{11} : $(-0.0, inf)$

symbol a_{22} : $(-0.0, inf)$

symbol b_1 : $[-0.0, inf)$

symbol b_2 : $[-0.0, inf)$

symbol a_{21} : $(-0.0, inf)$

$b_2 a_{11} - b_1 a_{21} \geq 0$

$-c_2 a_{11} + c_1 a_{12} > 0$

$a_{11} a_{22} - a_{12} a_{21} > 0$

$c_1 a_{22} - c_2 a_{21} > 0$

pot #2:

symbol a_{12} : $(-inf, 0.0]$

symbol c_1 : $(-inf, 0.0)$

symbol a_{11} : $(-0.0, inf)$

symbol a_{22} : $(-0.0, inf)$

symbol b_1 : $[-0.0, inf)$

symbol b_2 : $[-0.0, inf)$

symbol a_{21} : $(-inf, 0.0)$

$-c_2 a_{11} + c_1 a_{12} > 0$

$a_{11} a_{22} - a_{12} a_{21} > 0$

$c_1 a_{22} - c_2 a_{21} > 0$

$a_{11}^3 a_{22}^3 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 \geq 0$

$a_{11}^2 a_{22}^2 - 2.00 \cdot a_{12} a_{11} a_{22} a_{21} + a_{12}^2 a_{21}^2 > 0$

pot #3:

symbol a_{12} : $(-inf, 0.0]$

symbol c_1 : $(-inf, 0.0)$

symbol a_{11} : $(-0.0, inf)$

symbol a_{22} : $(-0.0, inf)$

symbol b_1 : $[-0.0, inf)$

symbol b_2 : $[-0.0, inf)$

symbol $a_{21} : (-inf, 0.0)$
 $-c_2a_{11} + c_1a_{12} > 0$
 $a_{11}a_{22} - a_{12}a_{21} > 0$
 $c_1a_{22} - c_2a_{21} > 0$
 $-a_{11}^3a_{22}^3 + 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} - 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 + a_{12}^3a_{21}^3 \geq 0$
 $-a_{11}^2a_{22}^2 + 2.00 \cdot a_{12}a_{11}a_{22}a_{21} - a_{12}^2a_{21}^2 > 0$

pot #4:

symbol $a_{12} : (-inf, 0.0]$
symbol $c_1 : (-inf, 0.0)$
symbol $a_{11} : (-0.0, inf)$
symbol $a_{22} : (-0.0, inf)$
symbol $b_1 : [-0.0, inf)$
symbol $b_2 : -0.0$
symbol $a_{21} : (-inf, 0.0)$
 $-c_2a_{11} + c_1a_{12} > 0$
 $a_{11}a_{22} - a_{12}a_{21} > 0$
 $c_1a_{22} - c_2a_{21} > 0$
 $a_{11}^3a_{22}^3 - 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} + 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 - a_{12}^3a_{21}^3 \geq 0$
 $-a_{11}^2a_{22}^2 + 2.00 \cdot a_{12}a_{11}a_{22}a_{21} - a_{12}^2a_{21}^2 > 0$

pot #5:

symbol $a_{12} : (-inf, 0.0]$
symbol $c_1 : (-inf, 0.0)$
symbol $a_{11} : (-0.0, inf)$
symbol $a_{22} : (-0.0, inf)$
symbol $b_1 : [-0.0, inf)$
symbol $b_2 : -0.0$
symbol $a_{21} : (-inf, 0.0)$
 $-c_2a_{11} + c_1a_{12} > 0$
 $a_{11}a_{22} - a_{12}a_{21} > 0$
 $c_1a_{22} - c_2a_{21} > 0$
 $-a_{11}^3a_{22}^3 + 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} - 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 + a_{12}^3a_{21}^3 \geq 0$
 $a_{11}^2a_{22}^2 - 2.00 \cdot a_{12}a_{11}a_{22}a_{21} + a_{12}^2a_{21}^2 > 0$

		x_0	x_1	
x_2	$\frac{b_1a_{11}a_{22}^2 - b_1a_{21}a_{22}a_{12} - a_{12}b_2a_{11}a_{22} + a_{12}^2b_2a_{21}}{a_{11}a_{22}^2 - a_{12}a_{22}a_{21}}$	$\frac{a_{11}a_{22} - a_{12}a_{21}}{a_{22}}$	0.0	1
x_1	$\frac{b_2a_{11}^3a_{22}^3 - 3.00 \cdot a_{12}b_2a_{11}^2a_{22}^2a_{21} + 3.00 \cdot a_{12}^2b_2a_{11}a_{22}a_{21}^2 - a_{12}^3b_2a_{21}^3}{a_{11}^3a_{22}^4 - 3.00 \cdot a_{12}a_{11}^2a_{22}^3a_{21} + 3.00 \cdot a_{12}^2a_{11}a_{22}^2a_{21}^2 - a_{12}^3a_{22}a_{21}^3}$	$\frac{a_{11}a_{22}a_{21} - a_{12}a_{21}^2}{a_{11}a_{22}^2 - a_{12}a_{22}a_{21}}$	1.00	
Ψ	$\frac{-b_2c_2a_{11}^3a_{22}^3 + 3.00 \cdot a_{12}c_2a_{11}^2a_{22}^2b_2a_{21} - 3.00 \cdot a_{12}^2c_2a_{11}a_{22}b_2a_{21}^2 + a_{12}^3b_2c_2a_{21}^3}{a_{11}^3a_{22}^4 - 3.00 \cdot a_{12}a_{11}^2a_{22}^3a_{21} + 3.00 \cdot a_{12}^2a_{11}a_{22}^2a_{21}^2 - a_{12}^3a_{22}a_{21}^3}$	$\frac{c_1a_{11}a_{22}^2 - c_2a_{11}a_{22}a_{21} - c_1a_{12}a_{22}a_{21} + a_{12}c_2a_{21}^2}{a_{11}a_{22}^2 - a_{12}a_{22}a_{21}}$	0.0	

Table #0.1.0.0

Moving out basis: x_2 from line: 0

Moving to basis: x_0

pots:

pot #0:

symbol a_{12} : $(-0.0, inf)$

symbol c_1 : $(-inf, 0.0)$

symbol a_{11} : $(-0.0, inf)$

symbol a_{22} : $(-0.0, inf)$

symbol b_1 : $[-0.0, inf)$

symbol b_2 : $[-0.0, inf)$

symbol a_{21} : $(-0.0, inf)$

$$b_2 a_{11} - b_1 a_{21} \geq 0$$

$$-c_2 a_{11} + c_1 a_{12} > 0$$

$$a_{11} a_{22} - a_{12} a_{21} > 0$$

$$b_1 a_{22} - a_{12} b_2 \geq 0$$

$$c_1 a_{22} - c_2 a_{21} > 0$$

$$-c_1 a_{11} a_{22}^2 + c_2 a_{11} a_{22} a_{21} + c_1 a_{12} a_{22} a_{21} - a_{12} c_2 a_{21}^2 > 0$$

$$b_2 a_{11}^6 a_{22}^5 - 5.00 \cdot a_{12} b_2 a_{11}^5 a_{22}^4 a_{21} + 10.00 \cdot a_{12}^2 b_2 a_{11}^4 a_{22}^3 a_{21}^2 - 10.00 \cdot a_{12}^3 b_2 a_{11}^3 a_{22}^2 a_{21}^3 + 5.00 \cdot a_{12}^4 b_2 a_{11}^2 a_{22} a_{21}^4 - a_{12}^5 b_2 a_{11} a_{22}^5 a_{21} - b_1 a_{11}^5 a_{22}^5 a_{21} + 5.00 \cdot b_1 a_{11}^4 a_{22}^4 a_{12} - 10.00 \cdot a_{12}^2 a_{21}^3 a_{11}^3 a_{22} b_1 + 10.00 \cdot a_{12}^3 a_{21}^4 a_{11}^2 a_{22} b_1 - 5.00 \cdot a_{12}^4 a_{21}^5 a_{11} a_{22} b_1 + a_{12}^5 a_{21}^6 b_1 \geq 0$$

$$a_{11}^6 a_{22}^6 - 6.00 \cdot a_{12} a_{11}^5 a_{22}^5 a_{21} + 15.00 \cdot a_{12}^2 a_{11}^4 a_{22}^4 a_{21}^2 - 20.00 \cdot a_{12}^3 a_{11}^3 a_{22}^3 a_{21}^3 + 15.00 \cdot a_{12}^4 a_{11}^2 a_{22}^2 a_{21}^4 - 6.00 \cdot a_{12}^5 a_{11} a_{22} a_{21}^5 + a_{12}^6 a_{21}^6 > 0$$

pot #1:

symbol a_{12} : $(-0.0, inf)$

symbol c_1 : $(-inf, 0.0)$

symbol a_{11} : $(-0.0, inf)$

symbol a_{22} : $(-0.0, inf)$

symbol b_1 : $[-0.0, inf)$

symbol b_2 : $[-0.0, inf)$

symbol a_{21} : $(-0.0, inf)$

$$b_2 a_{11} - b_1 a_{21} \geq 0$$

$$-c_2 a_{11} + c_1 a_{12} > 0$$

$$a_{11} a_{22} - a_{12} a_{21} > 0$$

$$b_1 a_{22} - a_{12} b_2 \geq 0$$

$$c_1 a_{22} - c_2 a_{21} > 0$$

$$-c_1 a_{11} a_{22}^2 + c_2 a_{11} a_{22} a_{21} + c_1 a_{12} a_{22} a_{21} - a_{12} c_2 a_{21}^2 > 0$$

$$-b_2 a_{11}^6 a_{22}^5 + 5.00 \cdot a_{12} b_2 a_{11}^5 a_{22}^4 a_{21} - 10.00 \cdot a_{12}^2 b_2 a_{11}^4 a_{22}^3 a_{21}^2 + 10.00 \cdot a_{12}^3 b_2 a_{11}^3 a_{22}^2 a_{21}^3 - 5.00 \cdot a_{12}^4 b_2 a_{11}^2 a_{22} a_{21}^4 + a_{12}^5 b_2 a_{11} a_{22}^5 a_{21} + b_1 a_{11}^5 a_{22}^5 a_{21} - 5.00 \cdot b_1 a_{12} a_{11}^4 a_{22}^4 a_{21}^2 + 10.00 \cdot a_{12}^2 b_1 a_{11}^3 a_{22}^3 a_{21}^3 - 10.00 \cdot a_{12}^3 b_1 a_{11}^2 a_{22}^2 a_{21}^4 + 5.00 \cdot a_{12}^4 b_1 a_{11} a_{22} a_{21}^5 - a_{12}^5 b_1 a_{21}^6 \geq 0$$

$$-a_{11}^6 a_{22}^6 + 6.00 \cdot a_{12} a_{11}^5 a_{22}^5 a_{21} - 15.00 \cdot a_{12}^2 a_{11}^4 a_{22}^4 a_{21}^2 + 20.00 \cdot a_{12}^3 a_{11}^3 a_{22}^3 a_{21}^3 - 15.00 \cdot a_{12}^4 a_{11}^2 a_{22}^2 a_{21}^4 + 6.00 \cdot a_{12}^5 a_{11} a_{22} a_{21}^5 - a_{12}^6 a_{21}^6 > 0$$

pot #2:

symbol a_{12} : $(-inf, 0.0]$

symbol c_1 : $(-inf, 0.0)$

symbol a_{11} : $(-0.0, inf)$

symbol a_{22} : $(-0.0, inf)$

symbol b_1 : $[-0.0, inf)$

symbol b_2 : $[-0.0, inf)$

symbol $a_{21} : (-0.0, inf)$

$$b_2 a_{11} - b_1 a_{21} \geq 0$$

$$-c_2 a_{11} + c_1 a_{12} > 0$$

$$a_{11} a_{22} - a_{12} a_{21} > 0$$

$$c_1 a_{22} - c_2 a_{21} > 0$$

$$-c_1 a_{11} a_{22}^2 + c_2 a_{11} a_{22} a_{21} + c_1 a_{12} a_{22} a_{21} - a_{12} c_2 a_{21}^2 > 0$$

$$b_2 a_{11}^6 a_{22}^5 - 5.00 \cdot a_{12} b_2 a_{11}^5 a_{22}^4 a_{21} + 10.00 \cdot a_{12}^2 b_2 a_{11}^4 a_{22}^3 a_{21}^2 - 10.00 \cdot a_{12}^3 b_2 a_{11}^3 a_{22}^2 a_{21}^3 + 5.00 \cdot a_{12}^4 b_2 a_{11}^2 a_{22} a_{21}^4 - a_{12}^5 b_2 a_{11} a_{22}^5 a_{21} - b_1 a_{11}^5 a_{22}^5 a_{21} + 5.00 \cdot b_1 a_{21}^2 a_{11}^4 a_{22}^4 a_{12} - 10.00 \cdot a_{12}^2 a_{21}^3 a_{11}^3 a_{22}^3 b_1 + 10.00 \cdot a_{12}^3 a_{21}^4 a_{11}^2 a_{22}^2 b_1 - 5.00 \cdot a_{12}^4 a_{21}^5 a_{11} a_{22} b_1 + a_{12}^5 a_{21}^6 b_1 \geq 0$$

$$a_{11}^6 a_{22}^6 - 6.00 \cdot a_{12} a_{11}^5 a_{22}^5 a_{21} + 15.00 \cdot a_{12}^2 a_{11}^4 a_{22}^4 a_{21}^2 - 20.00 \cdot a_{12}^3 a_{11}^3 a_{22}^3 a_{21}^3 + 15.00 \cdot a_{12}^4 a_{11}^2 a_{22}^2 a_{21}^4 - 6.00 \cdot a_{12}^5 a_{11} a_{22} a_{21}^5 + a_{12}^6 a_{21}^6 > 0$$

pot #3:

symbol $a_{12} : (-inf, 0.0]$

symbol $c_1 : (-inf, 0.0)$

symbol $a_{11} : (-0.0, inf)$

symbol $a_{22} : (-0.0, inf)$

symbol $b_1 : [-0.0, inf)$

symbol $b_2 : [-0.0, inf)$

symbol $a_{21} : (-inf, 0.0)$

$$-c_2 a_{11} + c_1 a_{12} > 0$$

$$a_{11} a_{22} - a_{12} a_{21} > 0$$

$$c_1 a_{22} - c_2 a_{21} > 0$$

$$a_{11}^3 a_{22}^3 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 \geq 0$$

$$a_{11}^2 a_{22}^2 - 2.00 \cdot a_{12} a_{11} a_{22} a_{21} + a_{12}^2 a_{21}^2 > 0$$

$$-c_1 a_{11} a_{22}^2 + c_2 a_{11} a_{22} a_{21} + c_1 a_{12} a_{22} a_{21} - a_{12} c_2 a_{21}^2 > 0$$

$$a_{11} a_{22} - a_{12} a_{21} \geq 0$$

pot #4:

symbol $a_{12} : (-inf, 0.0]$

symbol $c_1 : (-inf, 0.0)$

symbol $a_{11} : (-0.0, inf)$

symbol $a_{22} : (-0.0, inf)$

symbol $b_1 : [-0.0, inf)$

symbol $b_2 : [-0.0, inf)$

symbol $a_{21} : (-inf, 0.0)$

$$-c_2 a_{11} + c_1 a_{12} > 0$$

$$a_{11} a_{22} - a_{12} a_{21} > 0$$

$$c_1 a_{22} - c_2 a_{21} > 0$$

$$-a_{11}^3 a_{22}^3 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + a_{12}^3 a_{21}^3 \geq 0$$

$$-a_{11}^2 a_{22}^2 + 2.00 \cdot a_{12} a_{11} a_{22} a_{21} - a_{12}^2 a_{21}^2 > 0$$

$$-c_1 a_{11} a_{22}^2 + c_2 a_{11} a_{22} a_{21} + c_1 a_{12} a_{22} a_{21} - a_{12} c_2 a_{21}^2 > 0$$

$$a_{11} a_{22} - a_{12} a_{21} \geq 0$$

pot #5:

symbol $a_{12} : (-inf, 0.0]$

symbol $c_1 : (-inf, 0.0)$

symbol $a_{11} : (-0.0, inf)$

symbol $a_{22} : (-0.0, inf)$

symbol $b_1 : [-0.0, inf)$

symbol $b_2 : -0.0$

symbol $a_{21} : (-inf, 0.0)$

$$-c_2 a_{11} + c_1 a_{12} > 0$$

$$a_{11}a_{22} - a_{12}a_{21} > 0$$

$$c_1a_{22} - c_2a_{21} > 0$$

$$a_{11}^3a_{22}^3 - 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} + 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 - a_{12}^3a_{21}^3 \geq 0$$

$$-a_{11}^2a_{22}^2 + 2.00 \cdot a_{12}a_{11}a_{22}a_{21} - a_{12}^2a_{21}^2 > 0$$

$$-c_1a_{11}a_{22}^2 + c_2a_{11}a_{22}a_{21} + c_1a_{12}a_{22}a_{21} - a_{12}c_2a_{21}^2 > 0$$

$$a_{11}a_{22} - a_{12}a_{21} \geq 0$$

pot #6:

symbol a_{12} : $(-inf, 0.0]$

symbol c_1 : $(-inf, 0.0)$

symbol a_{11} : $(-0.0, inf)$

symbol a_{22} : $(-0.0, inf)$

symbol b_1 : $[-0.0, inf)$

symbol b_2 : -0.0

symbol a_{21} : $(-inf, 0.0)$

$$-c_2a_{11} + c_1a_{12} > 0$$

$$a_{11}a_{22} - a_{12}a_{21} > 0$$

$$c_1a_{22} - c_2a_{21} > 0$$

$$-a_{11}^3a_{22}^3 + 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} - 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 + a_{12}^3a_{21}^3 \geq 0$$

$$a_{11}^2a_{22}^2 - 2.00 \cdot a_{12}a_{11}a_{22}a_{21} + a_{12}^2a_{21}^2 > 0$$

$$-c_1a_{11}a_{22}^2 + c_2a_{11}a_{22}a_{21} + c_1a_{12}a_{22}a_{21} - a_{12}c_2a_{21}^2 > 0$$

$$a_{11}a_{22} - a_{12}a_{21} \geq 0$$

x_0	
x_1	
Ψ	$\frac{-b_2c_2a_{11}^6a_{22}^5+5.00\cdot a_{12}c_2a_{11}^5a_{22}^4b_2a_{21}-10.00\cdot a_{12}^2c_2a_{11}^4a_{22}^3b_2a_{21}^2+10.00\cdot a_{12}^3c_2a_{11}^3a_{22}^2b_2a_{21}^3-5.00\cdot a_{12}^4c_2a_{11}^2a_{22}b_2a_{21}^4+a_{12}^5b_2c_2a_{11}a_{21}^5-c_1b_1a_{11}^5a_{21}^5}{1}$

Table #0.1.0.1

Moving out basis: x_1 from line: 1

Moving to basis: x_0

pots:

pot #0:

symbol a_{12} : $(-0.0, inf)$

symbol c_1 : $(-inf, 0.0)$

symbol a_{11} : $(-0.0, inf)$

symbol a_{22} : $(-0.0, inf)$

symbol b_1 : $[-0.0, inf)$

symbol b_2 : $[-0.0, inf)$

symbol a_{21} : $(-0.0, inf)$

$$b_2 a_{11} - b_1 a_{21} \geq 0$$

$$-c_2 a_{11} + c_1 a_{12} > 0$$

$$a_{11} a_{22} - a_{12} a_{21} > 0$$

$$b_1 a_{22} - a_{12} b_2 \geq 0$$

$$c_1 a_{22} - c_2 a_{21} > 0$$

$$-c_1 a_{11} a_{22}^2 + c_2 a_{11} a_{22} a_{21} + c_1 a_{12} a_{22} a_{21} - a_{12} c_2 a_{21}^2 > 0$$

$$b_1 a_{11}^5 a_{22}^5 a_{21} - 5.00 \cdot b_1 a_{21}^2 a_{11}^4 a_{22}^4 a_{12} + 10.00 \cdot b_1 a_{21}^3 a_{11}^3 a_{22}^3 a_{12}^2 - 10.00 \cdot b_1 a_{21}^4 a_{11}^2 a_{22}^2 a_{12}^3 + 5.00 \cdot$$

$$b_1 a_{21}^5 a_{11} a_{22} a_{12}^4 - b_1 a_{21}^6 a_{12}^5 + 5.00 \cdot a_{12} b_2 a_{11}^5 a_{22}^4 a_{21} - 10.00 \cdot a_{12}^2 b_2 a_{11}^4 a_{22}^3 a_{21}^2 + 10.00 \cdot$$

$$a_{12}^3 b_2 a_{11}^3 a_{22}^2 a_{21}^3 - 5.00 \cdot a_{12}^4 b_2 a_{11}^2 a_{22} a_{21}^4 + a_{12}^5 b_2 a_{11} a_{22}^5 - b_2 a_{11}^6 a_{22}^5 \geq 0$$

$$a_{11}^6 a_{22}^6 - 6.00 \cdot a_{12} a_{11}^5 a_{22}^5 a_{21} + 15.00 \cdot a_{12}^2 a_{11}^4 a_{22}^4 a_{21}^2 - 20.00 \cdot a_{12}^3 a_{11}^3 a_{22}^3 a_{21}^3 + 15.00 \cdot a_{12}^4 a_{11}^2 a_{22}^2 a_{21}^4 -$$

$$6.00 \cdot a_{12}^5 a_{11} a_{22} a_{21}^5 + a_{12}^6 a_{21}^6 > 0$$

pot #1:

symbol a_{12} : $(-0.0, inf)$

symbol c_1 : $(-inf, 0.0)$

symbol a_{11} : $(-0.0, inf)$

symbol a_{22} : $(-0.0, inf)$

symbol b_1 : $[-0.0, inf)$

symbol b_2 : $[-0.0, inf)$

symbol a_{21} : $(-0.0, inf)$

$$b_2 a_{11} - b_1 a_{21} \geq 0$$

$$-c_2 a_{11} + c_1 a_{12} > 0$$

$$a_{11} a_{22} - a_{12} a_{21} > 0$$

$$b_1 a_{22} - a_{12} b_2 \geq 0$$

$$c_1 a_{22} - c_2 a_{21} > 0$$

$$-c_1 a_{11} a_{22}^2 + c_2 a_{11} a_{22} a_{21} + c_1 a_{12} a_{22} a_{21} - a_{12} c_2 a_{21}^2 > 0$$

$$-b_1 a_{11}^5 a_{22}^5 a_{21} + 5.00 \cdot b_1 a_{12} a_{11}^4 a_{22}^4 a_{21}^2 - 10.00 \cdot b_1 a_{12}^2 a_{11}^3 a_{22}^3 a_{21}^3 + 10.00 \cdot b_1 a_{12}^3 a_{11}^2 a_{22}^2 a_{21}^4 - 5.00 \cdot$$

$$b_1 a_{12}^4 a_{11} a_{22} a_{21}^5 + b_1 a_{12}^5 a_{21}^6 - 5.00 \cdot a_{12} b_2 a_{11}^5 a_{22}^4 a_{21} + 10.00 \cdot a_{12}^2 b_2 a_{11}^4 a_{22}^3 a_{21}^2 - 10.00 \cdot$$

$$a_{12}^3 b_2 a_{11}^3 a_{22}^2 a_{21}^3 + 5.00 \cdot a_{12}^4 b_2 a_{11}^2 a_{22} a_{21}^4 - a_{12}^5 b_2 a_{11} a_{22}^5 + b_2 a_{11}^6 a_{22}^5 \geq 0$$

$$-a_{11}^6 a_{22}^6 + 6.00 \cdot a_{12} a_{11}^5 a_{22}^5 a_{21} - 15.00 \cdot a_{12}^2 a_{11}^4 a_{22}^4 a_{21}^2 + 20.00 \cdot a_{12}^3 a_{11}^3 a_{22}^3 a_{21}^3 - 15.00 \cdot a_{12}^4 a_{11}^2 a_{22}^2 a_{21}^4 +$$

$$6.00 \cdot a_{12}^5 a_{11} a_{22} a_{21}^5 - a_{12}^6 a_{21}^6 > 0$$

pot #2:

symbol a_{12} : $(-inf, 0.0]$

symbol c_1 : $(-inf, 0.0)$

symbol a_{11} : $(-0.0, inf)$

symbol a_{22} : $(-0.0, inf)$

symbol b_1 : $[-0.0, inf)$

symbol b_2 : $[-0.0, inf)$

symbol $a_{21} : (-0.0, inf)$

$$b_2a_{11} - b_1a_{21} \geq 0$$

$$-c_2a_{11} + c_1a_{12} > 0$$

$$a_{11}a_{22} - a_{12}a_{21} > 0$$

$$c_1a_{22} - c_2a_{21} > 0$$

$$-c_1a_{11}a_{22}^2 + c_2a_{11}a_{22}a_{21} + c_1a_{12}a_{22}a_{21} - a_{12}c_2a_{21}^2 > 0$$

$$b_1a_{11}^5a_{22}^5a_{21} - 5.00 \cdot b_1a_{21}^2a_{11}^4a_{22}^4a_{12} + 10.00 \cdot b_1a_{21}^3a_{11}^3a_{22}^3a_{12}^2 - 10.00 \cdot b_1a_{21}^4a_{11}^2a_{22}^2a_{12}^3 + 5.00 \cdot$$

$$b_1a_{21}^5a_{11}a_{22}a_{12}^4 - b_1a_{21}^6a_{12}^5 + 5.00 \cdot a_{12}b_2a_{11}^5a_{22}^4a_{21} - 10.00 \cdot a_{12}^2b_2a_{11}^4a_{22}^3a_{21}^2 + 10.00 \cdot$$

$$a_{12}^3b_2a_{11}^3a_{22}^2a_{21}^3 - 5.00 \cdot a_{12}^4b_2a_{11}^2a_{22}a_{21}^4 + a_{12}^5b_2a_{11}a_{21}^5 - b_2a_{11}^6a_{22}^5 \geq 0$$

$$a_{11}^6a_{22}^6 - 6.00 \cdot a_{12}a_{11}^5a_{22}^5a_{21} + 15.00 \cdot a_{12}^2a_{11}^4a_{22}^4a_{21}^2 - 20.00 \cdot a_{12}^3a_{11}^3a_{22}^3a_{21}^3 + 15.00 \cdot a_{12}^4a_{11}^2a_{22}^2a_{21}^4 -$$

$$6.00 \cdot a_{12}^5a_{11}a_{22}a_{21}^5 + a_{12}^6a_{21}^6 > 0$$

x_2	$\frac{b_1a_{11}^5a_{22}^5a_{21} - 5.00 \cdot b_1a_{12}a_{11}^4a_{22}^4a_{21}^2 + 10.00 \cdot b_1a_{12}^2a_{11}^3a_{22}^3a_{21}^3 - 10.00 \cdot b_1a_{12}^3a_{11}^2a_{22}^2a_{21}^4 + 5.00 \cdot b_1a_{12}^4a_{11}a_{22}a_{21}^5 - b_1a_{12}^5a_{21}^6 + 5.00 \cdot a_{12}b_2a_{11}^5a_{22}^4a_{21} - 10.00 \cdot a_{12}^2b_2a_{11}^4a_{22}^3a_{21}^2 + 10.00 \cdot a_{12}^3b_2a_{11}^3a_{22}^2a_{21}^3 - 5.00 \cdot a_{12}^4b_2a_{11}^2a_{22}a_{21}^4 + a_{12}^5b_2a_{11}a_{21}^5 - b_2a_{11}^6a_{22}^5}{a_{11}^5a_{22}^5a_{21} - 5.00 \cdot a_{12}a_{11}^4a_{22}^4a_{21}^2 + 10.00 \cdot a_{12}^2a_{11}^3a_{22}^3a_{21}^3 - 10.00 \cdot a_{12}^3a_{11}^2a_{22}^2a_{21}^4 + 5.00 \cdot a_{12}^4a_{11}a_{22}a_{21}^5 - b_2a_{11}^6a_{22}^5}$
x_0	$\frac{b_2a_{11}^4a_{22}^4 - 4.00 \cdot a_{12}b_2a_{11}^3a_{22}^3a_{21} + 6.00 \cdot a_{12}^2b_2a_{11}^2a_{22}^2a_{21}^2 - 4.00 \cdot a_{12}^3b_2a_{11}a_{21}^3}{a_{11}^4a_{22}^4a_{21} - 4.00 \cdot a_{12}a_{11}^3a_{22}^3a_{21}^2 + 6.00 \cdot a_{12}^2a_{11}^2a_{22}^2a_{21}^3 - 4.00 \cdot a_{12}^3a_{11}a_{21}^4}$
Ψ	$\frac{-c_1b_2a_{11}^8a_{22}^8 + 8.00 \cdot a_{12}c_1a_{11}^7a_{22}^7b_2a_{21} - 28.00 \cdot a_{12}^2c_1a_{11}^6a_{22}^6b_2a_{21}^2 + 56.00 \cdot a_{12}^3c_1a_{11}^5a_{22}^5b_2a_{21}^3 - 70.00 \cdot a_{12}^4c_1a_{11}^4a_{22}^4b_2a_{21}^4 + 56.00 \cdot a_{12}^5c_1a_{11}^3a_{22}^3b_2a_{21}^5 - 28.00 \cdot a_{12}^6c_1a_{11}^2a_{22}^2b_2a_{21}^6 + 8.00 \cdot a_{12}^7c_1a_{11}a_{22}a_{21}^7 - c_1b_2a_{11}^8a_{22}^8}{a_{11}^8a_{22}^8a_{21} - 8.00 \cdot a_{12}a_{11}^7a_{22}^7a_{21}^2 + 28.00 \cdot a_{12}^2a_{11}^6a_{22}^6a_{21}^3 - 56.00 \cdot a_{12}^3a_{11}^5a_{22}^5a_{21}^4 + 70.00 \cdot a_{12}^4a_{11}^4a_{22}^4a_{21}^5 - 56.00 \cdot a_{12}^5a_{11}^3a_{22}^3a_{21}^6 + 28.00 \cdot a_{12}^6a_{11}^2a_{22}^2a_{21}^7 - 8.00 \cdot a_{12}^7a_{11}a_{22}a_{21}^8}$

Table #0.1.0.0

Moving out basis: x_2 from line: 0

Moving to basis: x_3

pots:

pot #0:

symbol a_{12} : $(-inf, 0.0)$

symbol c_1 : $(-inf, 0.0)$

symbol c_2 : $(-0.0, inf)$

symbol a_{11} : $(-0.0, inf)$

symbol a_{22} : $(-0.0, inf)$

symbol b_1 : $[-0.0, inf)$

symbol b_2 : $[-0.0, inf)$

symbol a_{21} : $(-inf, 0.0)$

$$-c_2 a_{11} + c_1 a_{12} > 0$$

$$a_{11} a_{22} - a_{12} a_{21} > 0$$

$$c_1 a_{22} - c_2 a_{21} > 0$$

$$a_{11}^3 a_{22}^3 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 \geq 0$$

$$a_{11}^2 a_{22}^2 - 2.00 \cdot a_{12} a_{11} a_{22} a_{21} + a_{12}^2 a_{21}^2 > 0$$

$$c_1 a_{11} a_{22}^2 - c_2 a_{11} a_{22} a_{21} - c_1 a_{12} a_{22} a_{21} + a_{12} c_2 a_{21}^2 \geq 0$$

$$a_{11}^3 a_{22}^3 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 > 0$$

$$-a_{11}^8 a_{22}^8 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 + 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - a_{12}^8 a_{21}^8 \geq 0$$

$$a_{11}^8 a_{22}^8 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 - 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + a_{12}^8 a_{21}^8 > 0$$

pot #1:

symbol a_{12} : $(-inf, 0.0)$

symbol c_1 : $(-inf, 0.0)$

symbol c_2 : $(-0.0, inf)$

symbol a_{11} : $(-0.0, inf)$

symbol a_{22} : $(-0.0, inf)$

symbol b_1 : $[-0.0, inf)$

symbol b_2 : $[-0.0, inf)$

symbol a_{21} : $(-inf, 0.0)$

$$-c_2 a_{11} + c_1 a_{12} > 0$$

$$a_{11} a_{22} - a_{12} a_{21} > 0$$

$$c_1 a_{22} - c_2 a_{21} > 0$$

$$a_{11}^3 a_{22}^3 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 \geq 0$$

$$a_{11}^2 a_{22}^2 - 2.00 \cdot a_{12} a_{11} a_{22} a_{21} + a_{12}^2 a_{21}^2 > 0$$

$$c_1 a_{11} a_{22}^2 - c_2 a_{11} a_{22} a_{21} - c_1 a_{12} a_{22} a_{21} + a_{12} c_2 a_{21}^2 \geq 0$$

$$a_{11}^3 a_{22}^3 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 > 0$$

$$a_{11}^8 a_{22}^8 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 - 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + a_{12}^8 a_{21}^8 \geq 0$$

$$-a_{11}^8 a_{22}^8 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 + 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - a_{12}^8 a_{21}^8 > 0$$

pot #2:

symbol a_{12} : $(-inf, 0.0)$

symbol c_1 : $(-inf, 0.0)$

symbol c_2 : $(-0.0, inf)$

symbol a_{11} : $(-0.0, inf)$

symbol $a_{22} : (-0.0, inf)$

symbol $b_1 : -0.0$

symbol $b_2 : [-0.0, inf)$

symbol $a_{21} : (-inf, 0.0)$

$$-c_2 a_{11} + c_1 a_{12} > 0$$

$$a_{11} a_{22} - a_{12} a_{21} > 0$$

$$c_1 a_{22} - c_2 a_{21} > 0$$

$$a_{11}^3 a_{22}^3 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 \geq 0$$

$$a_{11}^2 a_{22}^2 - 2.00 \cdot a_{12} a_{11} a_{22} a_{21} + a_{12}^2 a_{21}^2 > 0$$

$$c_1 a_{11} a_{22}^2 - c_2 a_{11} a_{22} a_{21} - c_1 a_{12} a_{22} a_{21} + a_{12} c_2 a_{21}^2 \geq 0$$

$$a_{11}^3 a_{22}^3 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 > 0$$

$$-a_{11}^8 a_{22}^8 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 +$$

$$56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - a_{12}^8 a_{21}^8 \geq 0$$

$$-a_{11}^8 a_{22}^8 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 +$$

$$56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - a_{12}^8 a_{21}^8 > 0$$

pot #3:

symbol $a_{12} : (-inf, 0.0)$

symbol $c_1 : (-inf, 0.0)$

symbol $c_2 : (-0.0, inf)$

symbol $a_{11} : (-0.0, inf)$

symbol $a_{22} : (-0.0, inf)$

symbol $b_1 : -0.0$

symbol $b_2 : [-0.0, inf)$

symbol $a_{21} : (-inf, 0.0)$

$$-c_2 a_{11} + c_1 a_{12} > 0$$

$$a_{11} a_{22} - a_{12} a_{21} > 0$$

$$c_1 a_{22} - c_2 a_{21} > 0$$

$$a_{11}^3 a_{22}^3 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 \geq 0$$

$$a_{11}^2 a_{22}^2 - 2.00 \cdot a_{12} a_{11} a_{22} a_{21} + a_{12}^2 a_{21}^2 > 0$$

$$c_1 a_{11} a_{22}^2 - c_2 a_{11} a_{22} a_{21} - c_1 a_{12} a_{22} a_{21} + a_{12} c_2 a_{21}^2 \geq 0$$

$$a_{11}^3 a_{22}^3 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 > 0$$

$$a_{11}^8 a_{22}^8 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 -$$

$$56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + a_{12}^8 a_{21}^8 \geq 0$$

$$a_{11}^8 a_{22}^8 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 -$$

$$56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + a_{12}^8 a_{21}^8 > 0$$

pot #4:

symbol $a_{12} : (-inf, 0.0)$

symbol $c_1 : (-inf, 0.0)$

symbol $c_2 : (-0.0, inf)$

symbol $a_{11} : (-0.0, inf)$

symbol $a_{22} : (-0.0, inf)$

symbol $b_1 : [-0.0, inf)$

symbol $b_2 : [-0.0, inf)$

symbol $a_{21} : (-inf, 0.0)$

$$-c_2 a_{11} + c_1 a_{12} > 0$$

$$a_{11} a_{22} - a_{12} a_{21} > 0$$

$$c_1 a_{22} - c_2 a_{21} > 0$$

$$a_{11}^3 a_{22}^3 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 \geq 0$$

$$a_{11}^2 a_{22}^2 - 2.00 \cdot a_{12} a_{11} a_{22} a_{21} + a_{12}^2 a_{21}^2 > 0$$

$$c_1 a_{11} a_{22}^2 - c_2 a_{11} a_{22} a_{21} - c_1 a_{12} a_{22} a_{21} + a_{12} c_2 a_{21}^2 \geq 0$$

$$\begin{aligned}
& a_{11}^3 a_{22}^3 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 > 0 \\
& -a_{11}^3 a_{22}^3 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + a_{12}^3 a_{21}^3 > 0 \\
& -a_{11}^8 a_{22}^8 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 + \\
& 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - a_{12}^8 a_{21}^8 \geq 0 \\
& a_{11}^8 a_{22}^8 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 - \\
& 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + a_{12}^8 a_{21}^8 > 0
\end{aligned}$$

pot #5:

symbol a_{12} : $(-inf, 0.0)$

symbol c_1 : $(-inf, 0.0)$

symbol c_2 : $(-0.0, inf)$

symbol a_{11} : $(-0.0, inf)$

symbol a_{22} : $(-0.0, inf)$

symbol b_1 : $[-0.0, inf)$

symbol b_2 : $[-0.0, inf)$

symbol a_{21} : $(-inf, 0.0)$

$$-c_2 a_{11} + c_1 a_{12} > 0$$

$$a_{11} a_{22} - a_{12} a_{21} > 0$$

$$c_1 a_{22} - c_2 a_{21} > 0$$

$$a_{11}^3 a_{22}^3 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 \geq 0$$

$$a_{11}^2 a_{22}^2 - 2.00 \cdot a_{12} a_{11} a_{22} a_{21} + a_{12}^2 a_{21}^2 > 0$$

$$c_1 a_{11} a_{22}^2 - c_2 a_{11} a_{22} a_{21} - c_1 a_{12} a_{22} a_{21} + a_{12} c_2 a_{21}^2 \geq 0$$

$$a_{11}^3 a_{22}^3 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 > 0$$

$$-a_{11}^3 a_{22}^3 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + a_{12}^3 a_{21}^3 > 0$$

$$a_{11}^8 a_{22}^8 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 -$$

$$56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + a_{12}^8 a_{21}^8 \geq 0$$

$$-a_{11}^8 a_{22}^8 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 +$$

$$56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - a_{12}^8 a_{21}^8 > 0$$

pot #6:

symbol a_{12} : $(-inf, 0.0)$

symbol c_1 : $(-inf, 0.0)$

symbol c_2 : $(-0.0, inf)$

symbol a_{11} : $(-0.0, inf)$

symbol a_{22} : $(-0.0, inf)$

symbol b_1 : -0.0

symbol b_2 : $[-0.0, inf)$

symbol a_{21} : $(-inf, 0.0)$

$$-c_2 a_{11} + c_1 a_{12} > 0$$

$$a_{11} a_{22} - a_{12} a_{21} > 0$$

$$c_1 a_{22} - c_2 a_{21} > 0$$

$$a_{11}^3 a_{22}^3 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 \geq 0$$

$$a_{11}^2 a_{22}^2 - 2.00 \cdot a_{12} a_{11} a_{22} a_{21} + a_{12}^2 a_{21}^2 > 0$$

$$c_1 a_{11} a_{22}^2 - c_2 a_{11} a_{22} a_{21} - c_1 a_{12} a_{22} a_{21} + a_{12} c_2 a_{21}^2 \geq 0$$

$$a_{11}^3 a_{22}^3 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 > 0$$

$$-a_{11}^3 a_{22}^3 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + a_{12}^3 a_{21}^3 > 0$$

$$-a_{11}^8 a_{22}^8 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 +$$

$$56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - a_{12}^8 a_{21}^8 \geq 0$$

$$-a_{11}^8 a_{22}^8 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 +$$

$$56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - a_{12}^8 a_{21}^8 > 0$$

pot #7:

symbol a_{12} : $(-inf, 0.0)$

symbol $c_1 : (-inf, 0.0)$
symbol $c_2 : (-0.0, inf)$
symbol $a_{11} : (-0.0, inf)$
symbol $a_{22} : (-0.0, inf)$
symbol $b_1 : -0.0$
symbol $b_2 : [-0.0, inf)$
symbol $a_{21} : (-inf, 0.0)$
 $-c_2 a_{11} + c_1 a_{12} > 0$
 $a_{11} a_{22} - a_{12} a_{21} > 0$
 $c_1 a_{22} - c_2 a_{21} > 0$
 $a_{11}^3 a_{22}^3 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 \geq 0$
 $a_{11}^2 a_{22}^2 - 2.00 \cdot a_{12} a_{11} a_{22} a_{21} + a_{12}^2 a_{21}^2 > 0$
 $c_1 a_{11} a_{22}^2 - c_2 a_{11} a_{22} a_{21} - c_1 a_{12} a_{22} a_{21} + a_{12} c_2 a_{21}^2 \geq 0$
 $a_{11}^3 a_{22}^3 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 > 0$
 $-a_{11}^3 a_{22}^3 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + a_{12}^3 a_{21}^3 > 0$
 $a_{11}^8 a_{22}^8 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 -$
 $56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + a_{12}^8 a_{21}^8 \geq 0$
 $a_{11}^8 a_{22}^8 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 -$
 $56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + a_{12}^8 a_{21}^8 > 0$
pot #8:
symbol $a_{12} : (-inf, 0.0)$
symbol $c_1 : (-inf, 0.0)$
symbol $c_2 : (-0.0, inf)$
symbol $a_{11} : (-0.0, inf)$
symbol $a_{22} : (-0.0, inf)$
symbol $b_1 : [-0.0, inf)$
symbol $b_2 : [-0.0, inf)$
symbol $a_{21} : (-inf, 0.0)$
 $-c_2 a_{11} + c_1 a_{12} > 0$
 $a_{11} a_{22} - a_{12} a_{21} > 0$
 $c_1 a_{22} - c_2 a_{21} > 0$
 $a_{11}^3 a_{22}^3 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 \geq 0$
 $a_{11}^2 a_{22}^2 - 2.00 \cdot a_{12} a_{11} a_{22} a_{21} + a_{12}^2 a_{21}^2 > 0$
 $c_1 a_{11} a_{22}^2 - c_2 a_{11} a_{22} a_{21} - c_1 a_{12} a_{22} a_{21} + a_{12} c_2 a_{21}^2 \geq 0$
 $-a_{11}^3 a_{22}^3 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + a_{12}^3 a_{21}^3 > 0$
 $a_{11}^3 a_{22}^3 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 > 0$
 $-a_{11}^8 a_{22}^8 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 +$
 $56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - a_{12}^8 a_{21}^8 \geq 0$
 $a_{11}^8 a_{22}^8 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 -$
 $56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + a_{12}^8 a_{21}^8 > 0$
pot #9:
symbol $a_{12} : (-inf, 0.0)$
symbol $c_1 : (-inf, 0.0)$
symbol $c_2 : (-0.0, inf)$
symbol $a_{11} : (-0.0, inf)$
symbol $a_{22} : (-0.0, inf)$
symbol $b_1 : [-0.0, inf)$
symbol $b_2 : [-0.0, inf)$
symbol $a_{21} : (-inf, 0.0)$
 $-c_2 a_{11} + c_1 a_{12} > 0$

$$a_{11}a_{22} - a_{12}a_{21} > 0$$

$$c_1a_{22} - c_2a_{21} > 0$$

$$a_{11}^3a_{22}^3 - 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} + 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 - a_{12}^3a_{21}^3 \geq 0$$

$$a_{11}^2a_{22}^2 - 2.00 \cdot a_{12}a_{11}a_{22}a_{21} + a_{12}^2a_{21}^2 > 0$$

$$c_1a_{11}a_{22}^2 - c_2a_{11}a_{22}a_{21} - c_1a_{12}a_{22}a_{21} + a_{12}c_2a_{21}^2 \geq 0$$

$$-a_{11}^3a_{22}^3 + 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} - 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 + a_{12}^3a_{21}^3 > 0$$

$$a_{11}^3a_{22}^3 - 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} + 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 - a_{12}^3a_{21}^3 > 0$$

$$a_{11}^8a_{22}^8 - 8.00 \cdot a_{12}a_{11}^7a_{22}^7a_{21} + 28.00 \cdot a_{12}^2a_{11}^6a_{22}^6a_{21}^2 - 56.00 \cdot a_{12}^3a_{11}^5a_{22}^5a_{21}^3 + 70.00 \cdot a_{12}^4a_{11}^4a_{22}^4a_{21}^4 - 56.00 \cdot a_{12}^5a_{11}^3a_{22}^3a_{21}^5 + 28.00 \cdot a_{12}^6a_{11}^2a_{22}^2a_{21}^6 - 8.00 \cdot a_{12}^7a_{11}a_{22}a_{21}^7 + a_{12}^8a_{21}^8 \geq 0$$

$$-a_{11}^8a_{22}^8 + 8.00 \cdot a_{12}a_{11}^7a_{22}^7a_{21} - 28.00 \cdot a_{12}^2a_{11}^6a_{22}^6a_{21}^2 + 56.00 \cdot a_{12}^3a_{11}^5a_{22}^5a_{21}^3 - 70.00 \cdot a_{12}^4a_{11}^4a_{22}^4a_{21}^4 + 56.00 \cdot a_{12}^5a_{11}^3a_{22}^3a_{21}^5 - 28.00 \cdot a_{12}^6a_{11}^2a_{22}^2a_{21}^6 + 8.00 \cdot a_{12}^7a_{11}a_{22}a_{21}^7 - a_{12}^8a_{21}^8 > 0$$

pot #10:

symbol a_{12} : $(-inf, 0.0)$

symbol c_1 : $(-inf, 0.0)$

symbol c_2 : $(-0.0, inf)$

symbol a_{11} : $(-0.0, inf)$

symbol a_{22} : $(-0.0, inf)$

symbol b_1 : -0.0

symbol b_2 : $[-0.0, inf)$

symbol a_{21} : $(-inf, 0.0)$

$$-c_2a_{11} + c_1a_{12} > 0$$

$$a_{11}a_{22} - a_{12}a_{21} > 0$$

$$c_1a_{22} - c_2a_{21} > 0$$

$$a_{11}^3a_{22}^3 - 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} + 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 - a_{12}^3a_{21}^3 \geq 0$$

$$a_{11}^2a_{22}^2 - 2.00 \cdot a_{12}a_{11}a_{22}a_{21} + a_{12}^2a_{21}^2 > 0$$

$$c_1a_{11}a_{22}^2 - c_2a_{11}a_{22}a_{21} - c_1a_{12}a_{22}a_{21} + a_{12}c_2a_{21}^2 \geq 0$$

$$-a_{11}^3a_{22}^3 + 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} - 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 + a_{12}^3a_{21}^3 > 0$$

$$a_{11}^3a_{22}^3 - 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} + 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 - a_{12}^3a_{21}^3 > 0$$

$$-a_{11}^8a_{22}^8 + 8.00 \cdot a_{12}a_{11}^7a_{22}^7a_{21} - 28.00 \cdot a_{12}^2a_{11}^6a_{22}^6a_{21}^2 + 56.00 \cdot a_{12}^3a_{11}^5a_{22}^5a_{21}^3 - 70.00 \cdot a_{12}^4a_{11}^4a_{22}^4a_{21}^4 + 56.00 \cdot a_{12}^5a_{11}^3a_{22}^3a_{21}^5 - 28.00 \cdot a_{12}^6a_{11}^2a_{22}^2a_{21}^6 + 8.00 \cdot a_{12}^7a_{11}a_{22}a_{21}^7 - a_{12}^8a_{21}^8 \geq 0$$

$$-a_{11}^8a_{22}^8 + 8.00 \cdot a_{12}a_{11}^7a_{22}^7a_{21} - 28.00 \cdot a_{12}^2a_{11}^6a_{22}^6a_{21}^2 + 56.00 \cdot a_{12}^3a_{11}^5a_{22}^5a_{21}^3 - 70.00 \cdot a_{12}^4a_{11}^4a_{22}^4a_{21}^4 + 56.00 \cdot a_{12}^5a_{11}^3a_{22}^3a_{21}^5 - 28.00 \cdot a_{12}^6a_{11}^2a_{22}^2a_{21}^6 + 8.00 \cdot a_{12}^7a_{11}a_{22}a_{21}^7 - a_{12}^8a_{21}^8 > 0$$

pot #11:

symbol a_{12} : $(-inf, 0.0)$

symbol c_1 : $(-inf, 0.0)$

symbol c_2 : $(-0.0, inf)$

symbol a_{11} : $(-0.0, inf)$

symbol a_{22} : $(-0.0, inf)$

symbol b_1 : -0.0

symbol b_2 : $[-0.0, inf)$

symbol a_{21} : $(-inf, 0.0)$

$$-c_2a_{11} + c_1a_{12} > 0$$

$$a_{11}a_{22} - a_{12}a_{21} > 0$$

$$c_1a_{22} - c_2a_{21} > 0$$

$$a_{11}^3a_{22}^3 - 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} + 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 - a_{12}^3a_{21}^3 \geq 0$$

$$a_{11}^2a_{22}^2 - 2.00 \cdot a_{12}a_{11}a_{22}a_{21} + a_{12}^2a_{21}^2 > 0$$

$$c_1a_{11}a_{22}^2 - c_2a_{11}a_{22}a_{21} - c_1a_{12}a_{22}a_{21} + a_{12}c_2a_{21}^2 \geq 0$$

$$-a_{11}^3a_{22}^3 + 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} - 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 + a_{12}^3a_{21}^3 > 0$$

$$a_{11}^3a_{22}^3 - 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} + 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 - a_{12}^3a_{21}^3 > 0$$

$$a_{11}^8a_{22}^8 - 8.00 \cdot a_{12}a_{11}^7a_{22}^7a_{21} + 28.00 \cdot a_{12}^2a_{11}^6a_{22}^6a_{21}^2 - 56.00 \cdot a_{12}^3a_{11}^5a_{22}^5a_{21}^3 + 70.00 \cdot a_{12}^4a_{11}^4a_{22}^4a_{21}^4 -$$

$$\begin{aligned}
&56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + a_{12}^8 a_{21}^8 \geq 0 \\
&a_{11}^8 a_{22}^8 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 - \\
&56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + a_{12}^8 a_{21}^8 > 0
\end{aligned}$$

pot #12:

symbol a_{12} : $(-inf, 0.0)$

symbol c_1 : $(-inf, 0.0)$

symbol c_2 : $(-0.0, inf)$

symbol a_{11} : $(-0.0, inf)$

symbol a_{22} : $(-0.0, inf)$

symbol b_1 : $[-0.0, inf)$

symbol b_2 : $[-0.0, inf)$

symbol a_{21} : $(-inf, 0.0)$

$$-c_2 a_{11} + c_1 a_{12} > 0$$

$$a_{11} a_{22} - a_{12} a_{21} > 0$$

$$c_1 a_{22} - c_2 a_{21} > 0$$

$$a_{11}^3 a_{22}^3 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 \geq 0$$

$$a_{11}^2 a_{22}^2 - 2.00 \cdot a_{12} a_{11} a_{22} a_{21} + a_{12}^2 a_{21}^2 > 0$$

$$c_1 a_{11} a_{22}^2 - c_2 a_{11} a_{22} a_{21} - c_1 a_{12} a_{22} a_{21} + a_{12} c_2 a_{21}^2 \geq 0$$

$$-a_{11}^3 a_{22}^3 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + a_{12}^3 a_{21}^3 > 0$$

$$-a_{11}^8 a_{22}^8 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 +$$

$$56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - a_{12}^8 a_{21}^8 \geq 0$$

$$a_{11}^8 a_{22}^8 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 -$$

$$56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + a_{12}^8 a_{21}^8 > 0$$

pot #13:

symbol a_{12} : $(-inf, 0.0)$

symbol c_1 : $(-inf, 0.0)$

symbol c_2 : $(-0.0, inf)$

symbol a_{11} : $(-0.0, inf)$

symbol a_{22} : $(-0.0, inf)$

symbol b_1 : $[-0.0, inf)$

symbol b_2 : $[-0.0, inf)$

symbol a_{21} : $(-inf, 0.0)$

$$-c_2 a_{11} + c_1 a_{12} > 0$$

$$a_{11} a_{22} - a_{12} a_{21} > 0$$

$$c_1 a_{22} - c_2 a_{21} > 0$$

$$a_{11}^3 a_{22}^3 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 \geq 0$$

$$a_{11}^2 a_{22}^2 - 2.00 \cdot a_{12} a_{11} a_{22} a_{21} + a_{12}^2 a_{21}^2 > 0$$

$$c_1 a_{11} a_{22}^2 - c_2 a_{11} a_{22} a_{21} - c_1 a_{12} a_{22} a_{21} + a_{12} c_2 a_{21}^2 \geq 0$$

$$-a_{11}^3 a_{22}^3 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + a_{12}^3 a_{21}^3 > 0$$

$$a_{11}^8 a_{22}^8 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 -$$

$$56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + a_{12}^8 a_{21}^8 \geq 0$$

$$-a_{11}^8 a_{22}^8 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 +$$

$$56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - a_{12}^8 a_{21}^8 > 0$$

pot #14:

symbol a_{12} : $(-inf, 0.0)$

symbol c_1 : $(-inf, 0.0)$

symbol c_2 : $(-0.0, inf)$

symbol a_{11} : $(-0.0, inf)$

symbol a_{22} : $(-0.0, inf)$

symbol b_1 : -0.0

symbol $b_2 : [-0.0, inf)$

symbol $a_{21} : (-inf, 0.0)$

$$-c_2 a_{11} + c_1 a_{12} > 0$$

$$a_{11} a_{22} - a_{12} a_{21} > 0$$

$$c_1 a_{22} - c_2 a_{21} > 0$$

$$a_{11}^3 a_{22}^3 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 \geq 0$$

$$a_{11}^2 a_{22}^2 - 2.00 \cdot a_{12} a_{11} a_{22} a_{21} + a_{12}^2 a_{21}^2 > 0$$

$$c_1 a_{11} a_{22}^2 - c_2 a_{11} a_{22} a_{21} - c_1 a_{12} a_{22} a_{21} + a_{12} c_2 a_{21}^2 \geq 0$$

$$-a_{11}^3 a_{22}^3 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + a_{12}^3 a_{21}^3 > 0$$

$$-a_{11}^8 a_{22}^8 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 +$$

$$56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - a_{12}^8 a_{21}^8 \geq 0$$

$$-a_{11}^8 a_{22}^8 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 +$$

$$56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - a_{12}^8 a_{21}^8 > 0$$

pot #15:

symbol $a_{12} : (-inf, 0.0)$

symbol $c_1 : (-inf, 0.0)$

symbol $c_2 : (-0.0, inf)$

symbol $a_{11} : (-0.0, inf)$

symbol $a_{22} : (-0.0, inf)$

symbol $b_1 : -0.0$

symbol $b_2 : [-0.0, inf)$

symbol $a_{21} : (-inf, 0.0)$

$$-c_2 a_{11} + c_1 a_{12} > 0$$

$$a_{11} a_{22} - a_{12} a_{21} > 0$$

$$c_1 a_{22} - c_2 a_{21} > 0$$

$$a_{11}^3 a_{22}^3 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 \geq 0$$

$$a_{11}^2 a_{22}^2 - 2.00 \cdot a_{12} a_{11} a_{22} a_{21} + a_{12}^2 a_{21}^2 > 0$$

$$c_1 a_{11} a_{22}^2 - c_2 a_{11} a_{22} a_{21} - c_1 a_{12} a_{22} a_{21} + a_{12} c_2 a_{21}^2 \geq 0$$

$$-a_{11}^3 a_{22}^3 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + a_{12}^3 a_{21}^3 > 0$$

$$a_{11}^8 a_{22}^8 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 -$$

$$56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + a_{12}^8 a_{21}^8 \geq 0$$

$$a_{11}^8 a_{22}^8 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 -$$

$$56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + a_{12}^8 a_{21}^8 > 0$$

pot #16:

symbol $a_{12} : (-inf, 0.0)$

symbol $c_1 : (-inf, 0.0)$

symbol $c_2 : (-0.0, inf)$

symbol $a_{11} : (-0.0, inf)$

symbol $a_{22} : (-0.0, inf)$

symbol $b_1 : [-0.0, inf)$

symbol $b_2 : [-0.0, inf)$

symbol $a_{21} : (-inf, 0.0)$

$$-c_2 a_{11} + c_1 a_{12} > 0$$

$$a_{11} a_{22} - a_{12} a_{21} > 0$$

$$c_1 a_{22} - c_2 a_{21} > 0$$

$$a_{11}^3 a_{22}^3 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 \geq 0$$

$$a_{11}^2 a_{22}^2 - 2.00 \cdot a_{12} a_{11} a_{22} a_{21} + a_{12}^2 a_{21}^2 > 0$$

$$c_1 a_{11} a_{22}^2 - c_2 a_{11} a_{22} a_{21} - c_1 a_{12} a_{22} a_{21} + a_{12} c_2 a_{21}^2 \geq 0$$

$$a_{11}^3 a_{22}^3 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 > 0$$

$$-a_{11}^3 a_{22}^3 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + a_{12}^3 a_{21}^3 \geq 0$$

pot #17:

symbol $a_{12} : (-inf, 0.0)$

symbol $c_1 : (-inf, 0.0)$

symbol $c_2 : (-0.0, inf)$

symbol $a_{11} : (-0.0, inf)$

symbol $a_{22} : (-0.0, inf)$

symbol $b_1 : [-0.0, inf)$

symbol $b_2 : [-0.0, inf)$

symbol $a_{21} : (-inf, 0.0)$

$$-c_2 a_{11} + c_1 a_{12} > 0$$

$$a_{11} a_{22} - a_{12} a_{21} > 0$$

$$c_1 a_{22} - c_2 a_{21} > 0$$

$$a_{11}^3 a_{22}^3 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 \geq 0$$

$$a_{11}^2 a_{22}^2 - 2.00 \cdot a_{12} a_{11} a_{22} a_{21} + a_{12}^2 a_{21}^2 > 0$$

$$c_1 a_{11} a_{22}^2 - c_2 a_{11} a_{22} a_{21} - c_1 a_{12} a_{22} a_{21} + a_{12} c_2 a_{21}^2 \geq 0$$

$$a_{11}^3 a_{22}^3 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 > 0$$

$$-a_{11}^3 a_{22}^3 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + a_{12}^3 a_{21}^3 > 0$$

pot #18:

symbol $a_{12} : (-inf, 0.0)$

symbol $c_1 : (-inf, 0.0)$

symbol $c_2 : (-0.0, inf)$

symbol $a_{11} : (-0.0, inf)$

symbol $a_{22} : (-0.0, inf)$

symbol $b_1 : [-0.0, inf)$

symbol $b_2 : [-0.0, inf)$

symbol $a_{21} : (-inf, 0.0)$

$$-c_2 a_{11} + c_1 a_{12} > 0$$

$$a_{11} a_{22} - a_{12} a_{21} > 0$$

$$c_1 a_{22} - c_2 a_{21} > 0$$

$$a_{11}^3 a_{22}^3 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 \geq 0$$

$$a_{11}^2 a_{22}^2 - 2.00 \cdot a_{12} a_{11} a_{22} a_{21} + a_{12}^2 a_{21}^2 > 0$$

$$c_1 a_{11} a_{22}^2 - c_2 a_{11} a_{22} a_{21} - c_1 a_{12} a_{22} a_{21} + a_{12} c_2 a_{21}^2 \geq 0$$

$$-a_{11}^3 a_{22}^3 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + a_{12}^3 a_{21}^3 > 0$$

$$-a_{11}^3 a_{22}^3 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + a_{12}^3 a_{21}^3 \geq 0$$

$$a_{11}^3 a_{22}^3 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 > 0$$

pot #19:

symbol $a_{12} : (-inf, 0.0)$

symbol $c_1 : (-inf, 0.0)$

symbol $c_2 : (-0.0, inf)$

symbol $a_{11} : (-0.0, inf)$

symbol $a_{22} : (-0.0, inf)$

symbol $b_1 : [-0.0, inf)$

symbol $b_2 : [-0.0, inf)$

symbol $a_{21} : (-inf, 0.0)$

$$-c_2 a_{11} + c_1 a_{12} > 0$$

$$a_{11} a_{22} - a_{12} a_{21} > 0$$

$$c_1 a_{22} - c_2 a_{21} > 0$$

$$a_{11}^3 a_{22}^3 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 \geq 0$$

$$a_{11}^2 a_{22}^2 - 2.00 \cdot a_{12} a_{11} a_{22} a_{21} + a_{12}^2 a_{21}^2 > 0$$

$$c_1 a_{11} a_{22}^2 - c_2 a_{11} a_{22} a_{21} - c_1 a_{12} a_{22} a_{21} + a_{12} c_2 a_{21}^2 \geq 0$$

$$-a_{11}^3 a_{22}^3 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + a_{12}^3 a_{21}^3 > 0$$

pot #20:

symbol a_{12} : $(-inf, 0.0)$

symbol c_1 : $(-inf, 0.0)$

symbol c_2 : $(-0.0, inf)$

symbol a_{11} : $(-0.0, inf)$

symbol a_{22} : $(-0.0, inf)$

symbol b_1 : $[-0.0, inf)$

symbol b_2 : $[-0.0, inf)$

symbol a_{21} : $(-inf, 0.0)$

$$-c_2 a_{11} + c_1 a_{12} > 0$$

$$a_{11} a_{22} - a_{12} a_{21} > 0$$

$$c_1 a_{22} - c_2 a_{21} > 0$$

$$-a_{11}^3 a_{22}^3 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + a_{12}^3 a_{21}^3 \geq 0$$

$$-a_{11}^2 a_{22}^2 + 2.00 \cdot a_{12} a_{11} a_{22} a_{21} - a_{12}^2 a_{21}^2 > 0$$

$$c_1 a_{11} a_{22}^2 - c_2 a_{11} a_{22} a_{21} - c_1 a_{12} a_{22} a_{21} + a_{12} c_2 a_{21}^2 \geq 0$$

$$a_{11}^3 a_{22}^3 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 > 0$$

$$-a_{11}^8 a_{22}^8 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 +$$

$$56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - a_{12}^8 a_{21}^8 \geq 0$$

$$a_{11}^8 a_{22}^8 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 -$$

$$56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + a_{12}^8 a_{21}^8 > 0$$

pot #21:

symbol a_{12} : $(-inf, 0.0)$

symbol c_1 : $(-inf, 0.0)$

symbol c_2 : $(-0.0, inf)$

symbol a_{11} : $(-0.0, inf)$

symbol a_{22} : $(-0.0, inf)$

symbol b_1 : $[-0.0, inf)$

symbol b_2 : $[-0.0, inf)$

symbol a_{21} : $(-inf, 0.0)$

$$-c_2 a_{11} + c_1 a_{12} > 0$$

$$a_{11} a_{22} - a_{12} a_{21} > 0$$

$$c_1 a_{22} - c_2 a_{21} > 0$$

$$-a_{11}^3 a_{22}^3 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + a_{12}^3 a_{21}^3 \geq 0$$

$$-a_{11}^2 a_{22}^2 + 2.00 \cdot a_{12} a_{11} a_{22} a_{21} - a_{12}^2 a_{21}^2 > 0$$

$$c_1 a_{11} a_{22}^2 - c_2 a_{11} a_{22} a_{21} - c_1 a_{12} a_{22} a_{21} + a_{12} c_2 a_{21}^2 \geq 0$$

$$a_{11}^3 a_{22}^3 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 > 0$$

$$a_{11}^8 a_{22}^8 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 -$$

$$56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + a_{12}^8 a_{21}^8 \geq 0$$

$$-a_{11}^8 a_{22}^8 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 +$$

$$56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - a_{12}^8 a_{21}^8 > 0$$

pot #22:

symbol a_{12} : $(-inf, 0.0)$

symbol c_1 : $(-inf, 0.0)$

symbol c_2 : $(-0.0, inf)$

symbol a_{11} : $(-0.0, inf)$

symbol a_{22} : $(-0.0, inf)$

symbol b_1 : -0.0

symbol b_2 : $[-0.0, inf)$

symbol a_{21} : $(-inf, 0.0)$

$$-c_2a_{11} + c_1a_{12} > 0$$

$$a_{11}a_{22} - a_{12}a_{21} > 0$$

$$c_1a_{22} - c_2a_{21} > 0$$

$$-a_{11}^3a_{22}^3 + 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} - 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 + a_{12}^3a_{21}^3 \geq 0$$

$$-a_{11}^2a_{22}^2 + 2.00 \cdot a_{12}a_{11}a_{22}a_{21} - a_{12}^2a_{21}^2 > 0$$

$$c_1a_{11}a_{22}^2 - c_2a_{11}a_{22}a_{21} - c_1a_{12}a_{22}a_{21} + a_{12}c_2a_{21}^2 \geq 0$$

$$a_{11}^3a_{22}^3 - 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} + 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 - a_{12}^3a_{21}^3 > 0$$

$$-a_{11}^8a_{22}^8 + 8.00 \cdot a_{12}a_{11}^7a_{22}^7a_{21} - 28.00 \cdot a_{12}^2a_{11}^6a_{22}^6a_{21}^2 + 56.00 \cdot a_{12}^3a_{11}^5a_{22}^5a_{21}^3 - 70.00 \cdot a_{12}^4a_{11}^4a_{22}^4a_{21}^4 + 56.00 \cdot a_{12}^5a_{11}^3a_{22}^3a_{21}^5 - 28.00 \cdot a_{12}^6a_{11}^2a_{22}^2a_{21}^6 + 8.00 \cdot a_{12}^7a_{11}a_{22}a_{21}^7 - a_{12}^8a_{21}^8 \geq 0$$

$$-a_{11}^8a_{22}^8 + 8.00 \cdot a_{12}a_{11}^7a_{22}^7a_{21} - 28.00 \cdot a_{12}^2a_{11}^6a_{22}^6a_{21}^2 + 56.00 \cdot a_{12}^3a_{11}^5a_{22}^5a_{21}^3 - 70.00 \cdot a_{12}^4a_{11}^4a_{22}^4a_{21}^4 + 56.00 \cdot a_{12}^5a_{11}^3a_{22}^3a_{21}^5 - 28.00 \cdot a_{12}^6a_{11}^2a_{22}^2a_{21}^6 + 8.00 \cdot a_{12}^7a_{11}a_{22}a_{21}^7 - a_{12}^8a_{21}^8 > 0$$

pot #23:

symbol a_{12} : $(-inf, 0.0)$

symbol c_1 : $(-inf, 0.0)$

symbol c_2 : $(-0.0, inf)$

symbol a_{11} : $(-0.0, inf)$

symbol a_{22} : $(-0.0, inf)$

symbol b_1 : -0.0

symbol b_2 : $[-0.0, inf)$

symbol a_{21} : $(-inf, 0.0)$

$$-c_2a_{11} + c_1a_{12} > 0$$

$$a_{11}a_{22} - a_{12}a_{21} > 0$$

$$c_1a_{22} - c_2a_{21} > 0$$

$$-a_{11}^3a_{22}^3 + 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} - 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 + a_{12}^3a_{21}^3 \geq 0$$

$$-a_{11}^2a_{22}^2 + 2.00 \cdot a_{12}a_{11}a_{22}a_{21} - a_{12}^2a_{21}^2 > 0$$

$$c_1a_{11}a_{22}^2 - c_2a_{11}a_{22}a_{21} - c_1a_{12}a_{22}a_{21} + a_{12}c_2a_{21}^2 \geq 0$$

$$a_{11}^3a_{22}^3 - 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} + 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 - a_{12}^3a_{21}^3 > 0$$

$$a_{11}^8a_{22}^8 - 8.00 \cdot a_{12}a_{11}^7a_{22}^7a_{21} + 28.00 \cdot a_{12}^2a_{11}^6a_{22}^6a_{21}^2 - 56.00 \cdot a_{12}^3a_{11}^5a_{22}^5a_{21}^3 + 70.00 \cdot a_{12}^4a_{11}^4a_{22}^4a_{21}^4 - 56.00 \cdot a_{12}^5a_{11}^3a_{22}^3a_{21}^5 + 28.00 \cdot a_{12}^6a_{11}^2a_{22}^2a_{21}^6 - 8.00 \cdot a_{12}^7a_{11}a_{22}a_{21}^7 + a_{12}^8a_{21}^8 \geq 0$$

$$a_{11}^8a_{22}^8 - 8.00 \cdot a_{12}a_{11}^7a_{22}^7a_{21} + 28.00 \cdot a_{12}^2a_{11}^6a_{22}^6a_{21}^2 - 56.00 \cdot a_{12}^3a_{11}^5a_{22}^5a_{21}^3 + 70.00 \cdot a_{12}^4a_{11}^4a_{22}^4a_{21}^4 - 56.00 \cdot a_{12}^5a_{11}^3a_{22}^3a_{21}^5 + 28.00 \cdot a_{12}^6a_{11}^2a_{22}^2a_{21}^6 - 8.00 \cdot a_{12}^7a_{11}a_{22}a_{21}^7 + a_{12}^8a_{21}^8 > 0$$

pot #24:

symbol a_{12} : $(-inf, 0.0)$

symbol c_1 : $(-inf, 0.0)$

symbol c_2 : $(-0.0, inf)$

symbol a_{11} : $(-0.0, inf)$

symbol a_{22} : $(-0.0, inf)$

symbol b_1 : $[-0.0, inf)$

symbol b_2 : $[-0.0, inf)$

symbol a_{21} : $(-inf, 0.0)$

$$-c_2a_{11} + c_1a_{12} > 0$$

$$a_{11}a_{22} - a_{12}a_{21} > 0$$

$$c_1a_{22} - c_2a_{21} > 0$$

$$-a_{11}^3a_{22}^3 + 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} - 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 + a_{12}^3a_{21}^3 \geq 0$$

$$-a_{11}^2a_{22}^2 + 2.00 \cdot a_{12}a_{11}a_{22}a_{21} - a_{12}^2a_{21}^2 > 0$$

$$c_1a_{11}a_{22}^2 - c_2a_{11}a_{22}a_{21} - c_1a_{12}a_{22}a_{21} + a_{12}c_2a_{21}^2 \geq 0$$

$$a_{11}^3a_{22}^3 - 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} + 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 - a_{12}^3a_{21}^3 > 0$$

$$-a_{11}^3a_{22}^3 + 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} - 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 + a_{12}^3a_{21}^3 > 0$$

$$-a_{11}^8a_{22}^8 + 8.00 \cdot a_{12}a_{11}^7a_{22}^7a_{21} - 28.00 \cdot a_{12}^2a_{11}^6a_{22}^6a_{21}^2 + 56.00 \cdot a_{12}^3a_{11}^5a_{22}^5a_{21}^3 - 70.00 \cdot a_{12}^4a_{11}^4a_{22}^4a_{21}^4 + 56.00 \cdot a_{12}^5a_{11}^3a_{22}^3a_{21}^5 - 28.00 \cdot a_{12}^6a_{11}^2a_{22}^2a_{21}^6 + 8.00 \cdot a_{12}^7a_{11}a_{22}a_{21}^7 - a_{12}^8a_{21}^8 \geq 0$$

$$a_{11}^8 a_{22}^8 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 - 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + a_{12}^8 a_{21}^8 > 0$$

pot #25:

symbol a_{12} : $(-inf, 0.0)$

symbol c_1 : $(-inf, 0.0)$

symbol c_2 : $(-0.0, inf)$

symbol a_{11} : $(-0.0, inf)$

symbol a_{22} : $(-0.0, inf)$

symbol b_1 : $[-0.0, inf)$

symbol b_2 : $[-0.0, inf)$

symbol a_{21} : $(-inf, 0.0)$

$$-c_2 a_{11} + c_1 a_{12} > 0$$

$$a_{11} a_{22} - a_{12} a_{21} > 0$$

$$c_1 a_{22} - c_2 a_{21} > 0$$

$$-a_{11}^3 a_{22}^3 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + a_{12}^3 a_{21}^3 \geq 0$$

$$-a_{11}^2 a_{22}^2 + 2.00 \cdot a_{12} a_{11} a_{22} a_{21} - a_{12}^2 a_{21}^2 > 0$$

$$c_1 a_{11} a_{22}^2 - c_2 a_{11} a_{22} a_{21} - c_1 a_{12} a_{22} a_{21} + a_{12} c_2 a_{21}^2 \geq 0$$

$$a_{11}^3 a_{22}^3 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 > 0$$

$$-a_{11}^3 a_{22}^3 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + a_{12}^3 a_{21}^3 > 0$$

$$a_{11}^8 a_{22}^8 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 - 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + a_{12}^8 a_{21}^8 \geq 0$$

$$-a_{11}^8 a_{22}^8 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 + 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - a_{12}^8 a_{21}^8 > 0$$

pot #26:

symbol a_{12} : $(-inf, 0.0)$

symbol c_1 : $(-inf, 0.0)$

symbol c_2 : $(-0.0, inf)$

symbol a_{11} : $(-0.0, inf)$

symbol a_{22} : $(-0.0, inf)$

symbol b_1 : -0.0

symbol b_2 : $[-0.0, inf)$

symbol a_{21} : $(-inf, 0.0)$

$$-c_2 a_{11} + c_1 a_{12} > 0$$

$$a_{11} a_{22} - a_{12} a_{21} > 0$$

$$c_1 a_{22} - c_2 a_{21} > 0$$

$$-a_{11}^3 a_{22}^3 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + a_{12}^3 a_{21}^3 \geq 0$$

$$-a_{11}^2 a_{22}^2 + 2.00 \cdot a_{12} a_{11} a_{22} a_{21} - a_{12}^2 a_{21}^2 > 0$$

$$c_1 a_{11} a_{22}^2 - c_2 a_{11} a_{22} a_{21} - c_1 a_{12} a_{22} a_{21} + a_{12} c_2 a_{21}^2 \geq 0$$

$$a_{11}^3 a_{22}^3 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 > 0$$

$$-a_{11}^3 a_{22}^3 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + a_{12}^3 a_{21}^3 > 0$$

$$-a_{11}^8 a_{22}^8 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 + 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - a_{12}^8 a_{21}^8 \geq 0$$

$$-a_{11}^8 a_{22}^8 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 + 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - a_{12}^8 a_{21}^8 > 0$$

pot #27:

symbol a_{12} : $(-inf, 0.0)$

symbol c_1 : $(-inf, 0.0)$

symbol c_2 : $(-0.0, inf)$

symbol a_{11} : $(-0.0, inf)$

symbol a_{22} : $(-0.0, inf)$

symbol $b_1 : -0.0$

symbol $b_2 : [-0.0, inf)$

symbol $a_{21} : (-inf, 0.0)$

$$-c_2 a_{11} + c_1 a_{12} > 0$$

$$a_{11} a_{22} - a_{12} a_{21} > 0$$

$$c_1 a_{22} - c_2 a_{21} > 0$$

$$-a_{11}^3 a_{22}^3 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + a_{12}^3 a_{21}^3 \geq 0$$

$$-a_{11}^2 a_{22}^2 + 2.00 \cdot a_{12} a_{11} a_{22} a_{21} - a_{12}^2 a_{21}^2 > 0$$

$$c_1 a_{11} a_{22}^2 - c_2 a_{11} a_{22} a_{21} - c_1 a_{12} a_{22} a_{21} + a_{12} c_2 a_{21}^2 \geq 0$$

$$a_{11}^3 a_{22}^3 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 > 0$$

$$-a_{11}^3 a_{22}^3 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + a_{12}^3 a_{21}^3 > 0$$

$$a_{11}^8 a_{22}^8 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 - 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + a_{12}^8 a_{21}^8 \geq 0$$

$$a_{11}^8 a_{22}^8 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 - 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + a_{12}^8 a_{21}^8 > 0$$

pot #28:

symbol $a_{12} : (-inf, 0.0)$

symbol $c_1 : (-inf, 0.0)$

symbol $c_2 : (-0.0, inf)$

symbol $a_{11} : (-0.0, inf)$

symbol $a_{22} : (-0.0, inf)$

symbol $b_1 : [-0.0, inf)$

symbol $b_2 : [-0.0, inf)$

symbol $a_{21} : (-inf, 0.0)$

$$-c_2 a_{11} + c_1 a_{12} > 0$$

$$a_{11} a_{22} - a_{12} a_{21} > 0$$

$$c_1 a_{22} - c_2 a_{21} > 0$$

$$-a_{11}^3 a_{22}^3 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + a_{12}^3 a_{21}^3 \geq 0$$

$$-a_{11}^2 a_{22}^2 + 2.00 \cdot a_{12} a_{11} a_{22} a_{21} - a_{12}^2 a_{21}^2 > 0$$

$$c_1 a_{11} a_{22}^2 - c_2 a_{11} a_{22} a_{21} - c_1 a_{12} a_{22} a_{21} + a_{12} c_2 a_{21}^2 \geq 0$$

$$-a_{11}^3 a_{22}^3 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + a_{12}^3 a_{21}^3 > 0$$

$$a_{11}^3 a_{22}^3 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 > 0$$

$$-a_{11}^8 a_{22}^8 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 + 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - a_{12}^8 a_{21}^8 \geq 0$$

$$a_{11}^8 a_{22}^8 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 - 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + a_{12}^8 a_{21}^8 > 0$$

pot #29:

symbol $a_{12} : (-inf, 0.0)$

symbol $c_1 : (-inf, 0.0)$

symbol $c_2 : (-0.0, inf)$

symbol $a_{11} : (-0.0, inf)$

symbol $a_{22} : (-0.0, inf)$

symbol $b_1 : [-0.0, inf)$

symbol $b_2 : [-0.0, inf)$

symbol $a_{21} : (-inf, 0.0)$

$$-c_2 a_{11} + c_1 a_{12} > 0$$

$$a_{11} a_{22} - a_{12} a_{21} > 0$$

$$c_1 a_{22} - c_2 a_{21} > 0$$

$$-a_{11}^3 a_{22}^3 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + a_{12}^3 a_{21}^3 \geq 0$$

$$-a_{11}^2 a_{22}^2 + 2.00 \cdot a_{12} a_{11} a_{22} a_{21} - a_{12}^2 a_{21}^2 > 0$$

$$\begin{aligned}
& c_1 a_{11} a_{22}^2 - c_2 a_{11} a_{22} a_{21} - c_1 a_{12} a_{22} a_{21} + a_{12} c_2 a_{21}^2 \geq 0 \\
& -a_{11}^3 a_{22}^3 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + a_{12}^3 a_{21}^3 > 0 \\
& a_{11}^3 a_{22}^3 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 > 0 \\
& a_{11}^8 a_{22}^8 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 - \\
& 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + a_{12}^8 a_{21}^8 \geq 0 \\
& -a_{11}^8 a_{22}^8 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 + \\
& 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - a_{12}^8 a_{21}^8 > 0
\end{aligned}$$

pot #30:

symbol a_{12} : $(-inf, 0.0)$

symbol c_1 : $(-inf, 0.0)$

symbol c_2 : $(-0.0, inf)$

symbol a_{11} : $(-0.0, inf)$

symbol a_{22} : $(-0.0, inf)$

symbol b_1 : -0.0

symbol b_2 : $[-0.0, inf)$

symbol a_{21} : $(-inf, 0.0)$

$$-c_2 a_{11} + c_1 a_{12} > 0$$

$$a_{11} a_{22} - a_{12} a_{21} > 0$$

$$c_1 a_{22} - c_2 a_{21} > 0$$

$$-a_{11}^3 a_{22}^3 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + a_{12}^3 a_{21}^3 \geq 0$$

$$-a_{11}^2 a_{22}^2 + 2.00 \cdot a_{12} a_{11} a_{22} a_{21} - a_{12}^2 a_{21}^2 > 0$$

$$c_1 a_{11} a_{22}^2 - c_2 a_{11} a_{22} a_{21} - c_1 a_{12} a_{22} a_{21} + a_{12} c_2 a_{21}^2 \geq 0$$

$$-a_{11}^3 a_{22}^3 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + a_{12}^3 a_{21}^3 > 0$$

$$a_{11}^3 a_{22}^3 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 > 0$$

$$-a_{11}^8 a_{22}^8 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 +$$

$$56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - a_{12}^8 a_{21}^8 \geq 0$$

$$-a_{11}^8 a_{22}^8 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 +$$

$$56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - a_{12}^8 a_{21}^8 > 0$$

pot #31:

symbol a_{12} : $(-inf, 0.0)$

symbol c_1 : $(-inf, 0.0)$

symbol c_2 : $(-0.0, inf)$

symbol a_{11} : $(-0.0, inf)$

symbol a_{22} : $(-0.0, inf)$

symbol b_1 : -0.0

symbol b_2 : $[-0.0, inf)$

symbol a_{21} : $(-inf, 0.0)$

$$-c_2 a_{11} + c_1 a_{12} > 0$$

$$a_{11} a_{22} - a_{12} a_{21} > 0$$

$$c_1 a_{22} - c_2 a_{21} > 0$$

$$-a_{11}^3 a_{22}^3 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + a_{12}^3 a_{21}^3 \geq 0$$

$$-a_{11}^2 a_{22}^2 + 2.00 \cdot a_{12} a_{11} a_{22} a_{21} - a_{12}^2 a_{21}^2 > 0$$

$$c_1 a_{11} a_{22}^2 - c_2 a_{11} a_{22} a_{21} - c_1 a_{12} a_{22} a_{21} + a_{12} c_2 a_{21}^2 \geq 0$$

$$-a_{11}^3 a_{22}^3 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + a_{12}^3 a_{21}^3 > 0$$

$$a_{11}^3 a_{22}^3 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 > 0$$

$$a_{11}^8 a_{22}^8 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 -$$

$$56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + a_{12}^8 a_{21}^8 \geq 0$$

$$a_{11}^8 a_{22}^8 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 -$$

$$56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + a_{12}^8 a_{21}^8 > 0$$

pot #32:

symbol a_{12} : $(-inf, 0.0)$

symbol c_1 : $(-inf, 0.0)$

symbol c_2 : $(-0.0, inf)$

symbol a_{11} : $(-0.0, inf)$

symbol a_{22} : $(-0.0, inf)$

symbol b_1 : $[-0.0, inf)$

symbol b_2 : $[-0.0, inf)$

symbol a_{21} : $(-inf, 0.0)$

$$-c_2 a_{11} + c_1 a_{12} > 0$$

$$a_{11} a_{22} - a_{12} a_{21} > 0$$

$$c_1 a_{22} - c_2 a_{21} > 0$$

$$-a_{11}^3 a_{22}^3 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + a_{12}^3 a_{21}^3 \geq 0$$

$$-a_{11}^2 a_{22}^2 + 2.00 \cdot a_{12} a_{11} a_{22} a_{21} - a_{12}^2 a_{21}^2 > 0$$

$$c_1 a_{11} a_{22}^2 - c_2 a_{11} a_{22} a_{21} - c_1 a_{12} a_{22} a_{21} + a_{12} c_2 a_{21}^2 \geq 0$$

$$-a_{11}^3 a_{22}^3 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + a_{12}^3 a_{21}^3 > 0$$

$$-a_{11}^8 a_{22}^8 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 +$$

$$56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - a_{12}^8 a_{21}^8 \geq 0$$

$$a_{11}^8 a_{22}^8 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 -$$

$$56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + a_{12}^8 a_{21}^8 > 0$$

pot #33:

symbol a_{12} : $(-inf, 0.0)$

symbol c_1 : $(-inf, 0.0)$

symbol c_2 : $(-0.0, inf)$

symbol a_{11} : $(-0.0, inf)$

symbol a_{22} : $(-0.0, inf)$

symbol b_1 : $[-0.0, inf)$

symbol b_2 : $[-0.0, inf)$

symbol a_{21} : $(-inf, 0.0)$

$$-c_2 a_{11} + c_1 a_{12} > 0$$

$$a_{11} a_{22} - a_{12} a_{21} > 0$$

$$c_1 a_{22} - c_2 a_{21} > 0$$

$$-a_{11}^3 a_{22}^3 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + a_{12}^3 a_{21}^3 \geq 0$$

$$-a_{11}^2 a_{22}^2 + 2.00 \cdot a_{12} a_{11} a_{22} a_{21} - a_{12}^2 a_{21}^2 > 0$$

$$c_1 a_{11} a_{22}^2 - c_2 a_{11} a_{22} a_{21} - c_1 a_{12} a_{22} a_{21} + a_{12} c_2 a_{21}^2 \geq 0$$

$$-a_{11}^3 a_{22}^3 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + a_{12}^3 a_{21}^3 > 0$$

$$a_{11}^8 a_{22}^8 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 -$$

$$56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + a_{12}^8 a_{21}^8 \geq 0$$

$$-a_{11}^8 a_{22}^8 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 +$$

$$56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - a_{12}^8 a_{21}^8 > 0$$

pot #34:

symbol a_{12} : $(-inf, 0.0)$

symbol c_1 : $(-inf, 0.0)$

symbol c_2 : $(-0.0, inf)$

symbol a_{11} : $(-0.0, inf)$

symbol a_{22} : $(-0.0, inf)$

symbol b_1 : -0.0

symbol b_2 : $[-0.0, inf)$

symbol a_{21} : $(-inf, 0.0)$

$$-c_2 a_{11} + c_1 a_{12} > 0$$

$$a_{11} a_{22} - a_{12} a_{21} > 0$$

$$c_1 a_{22} - c_2 a_{21} > 0$$

$$-a_{11}^3 a_{22}^3 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + a_{12}^3 a_{21}^3 \geq 0$$

$$-a_{11}^2 a_{22}^2 + 2.00 \cdot a_{12} a_{11} a_{22} a_{21} - a_{12}^2 a_{21}^2 > 0$$

$$c_1 a_{11} a_{22}^2 - c_2 a_{11} a_{22} a_{21} - c_1 a_{12} a_{22} a_{21} + a_{12} c_2 a_{21}^2 \geq 0$$

$$-a_{11}^3 a_{22}^3 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + a_{12}^3 a_{21}^3 > 0$$

$$-a_{11}^8 a_{22}^8 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 + 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - a_{12}^8 a_{21}^8 \geq 0$$

$$-a_{11}^8 a_{22}^8 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 + 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - a_{12}^8 a_{21}^8 > 0$$

pot #35:

symbol a_{12} : $(-inf, 0.0)$

symbol c_1 : $(-inf, 0.0)$

symbol c_2 : $(-0.0, inf)$

symbol a_{11} : $(-0.0, inf)$

symbol a_{22} : $(-0.0, inf)$

symbol b_1 : -0.0

symbol b_2 : $[-0.0, inf)$

symbol a_{21} : $(-inf, 0.0)$

$$-c_2 a_{11} + c_1 a_{12} > 0$$

$$a_{11} a_{22} - a_{12} a_{21} > 0$$

$$c_1 a_{22} - c_2 a_{21} > 0$$

$$-a_{11}^3 a_{22}^3 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + a_{12}^3 a_{21}^3 \geq 0$$

$$-a_{11}^2 a_{22}^2 + 2.00 \cdot a_{12} a_{11} a_{22} a_{21} - a_{12}^2 a_{21}^2 > 0$$

$$c_1 a_{11} a_{22}^2 - c_2 a_{11} a_{22} a_{21} - c_1 a_{12} a_{22} a_{21} + a_{12} c_2 a_{21}^2 \geq 0$$

$$-a_{11}^3 a_{22}^3 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + a_{12}^3 a_{21}^3 > 0$$

$$a_{11}^8 a_{22}^8 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 - 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + a_{12}^8 a_{21}^8 \geq 0$$

$$a_{11}^8 a_{22}^8 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 - 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + a_{12}^8 a_{21}^8 > 0$$

pot #36:

symbol a_{12} : $(-inf, 0.0)$

symbol c_1 : $(-inf, 0.0)$

symbol c_2 : $(-0.0, inf)$

symbol a_{11} : $(-0.0, inf)$

symbol a_{22} : $(-0.0, inf)$

symbol b_1 : $[-0.0, inf)$

symbol b_2 : $[-0.0, inf)$

symbol a_{21} : $(-inf, 0.0)$

$$-c_2 a_{11} + c_1 a_{12} > 0$$

$$a_{11} a_{22} - a_{12} a_{21} > 0$$

$$c_1 a_{22} - c_2 a_{21} > 0$$

$$-a_{11}^3 a_{22}^3 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + a_{12}^3 a_{21}^3 \geq 0$$

$$-a_{11}^2 a_{22}^2 + 2.00 \cdot a_{12} a_{11} a_{22} a_{21} - a_{12}^2 a_{21}^2 > 0$$

$$c_1 a_{11} a_{22}^2 - c_2 a_{11} a_{22} a_{21} - c_1 a_{12} a_{22} a_{21} + a_{12} c_2 a_{21}^2 \geq 0$$

$$a_{11}^3 a_{22}^3 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 > 0$$

pot #37:

symbol a_{12} : $(-inf, 0.0)$

symbol c_1 : $(-inf, 0.0)$

symbol c_2 : $(-0.0, inf)$

symbol a_{11} : $(-0.0, inf)$

symbol $a_{22} : (-0.0, inf)$
symbol $b_1 : [-0.0, inf)$
symbol $b_2 : [-0.0, inf)$
symbol $a_{21} : (-inf, 0.0)$
 $-c_2a_{11} + c_1a_{12} > 0$
 $a_{11}a_{22} - a_{12}a_{21} > 0$
 $c_1a_{22} - c_2a_{21} > 0$
 $-a_{11}^3a_{22}^3 + 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} - 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 + a_{12}^3a_{21}^3 \geq 0$
 $-a_{11}^2a_{22}^2 + 2.00 \cdot a_{12}a_{11}a_{22}a_{21} - a_{12}^2a_{21}^2 > 0$
 $c_1a_{11}a_{22}^2 - c_2a_{11}a_{22}a_{21} - c_1a_{12}a_{22}a_{21} + a_{12}c_2a_{21}^2 \geq 0$
 $a_{11}^3a_{22}^3 - 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} + 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 - a_{12}^3a_{21}^3 > 0$
 $a_{11}^3a_{22}^3 - 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} + 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 - a_{12}^3a_{21}^3 \geq 0$
 $-a_{11}^3a_{22}^3 + 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} - 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 + a_{12}^3a_{21}^3 > 0$
pot #38:

symbol $a_{12} : (-inf, 0.0)$
symbol $c_1 : (-inf, 0.0)$
symbol $c_2 : (-0.0, inf)$
symbol $a_{11} : (-0.0, inf)$
symbol $a_{22} : (-0.0, inf)$
symbol $b_1 : [-0.0, inf)$
symbol $b_2 : [-0.0, inf)$
symbol $a_{21} : (-inf, 0.0)$
 $-c_2a_{11} + c_1a_{12} > 0$
 $a_{11}a_{22} - a_{12}a_{21} > 0$
 $c_1a_{22} - c_2a_{21} > 0$
 $-a_{11}^3a_{22}^3 + 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} - 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 + a_{12}^3a_{21}^3 \geq 0$
 $-a_{11}^2a_{22}^2 + 2.00 \cdot a_{12}a_{11}a_{22}a_{21} - a_{12}^2a_{21}^2 > 0$
 $c_1a_{11}a_{22}^2 - c_2a_{11}a_{22}a_{21} - c_1a_{12}a_{22}a_{21} + a_{12}c_2a_{21}^2 \geq 0$
 $-a_{11}^3a_{22}^3 + 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} - 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 + a_{12}^3a_{21}^3 > 0$
 $a_{11}^3a_{22}^3 - 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} + 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 - a_{12}^3a_{21}^3 > 0$
pot #39:

symbol $a_{12} : (-inf, 0.0)$
symbol $c_1 : (-inf, 0.0)$
symbol $c_2 : (-0.0, inf)$
symbol $a_{11} : (-0.0, inf)$
symbol $a_{22} : (-0.0, inf)$
symbol $b_1 : [-0.0, inf)$
symbol $b_2 : [-0.0, inf)$
symbol $a_{21} : (-inf, 0.0)$
 $-c_2a_{11} + c_1a_{12} > 0$
 $a_{11}a_{22} - a_{12}a_{21} > 0$
 $c_1a_{22} - c_2a_{21} > 0$
 $-a_{11}^3a_{22}^3 + 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} - 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 + a_{12}^3a_{21}^3 \geq 0$
 $-a_{11}^2a_{22}^2 + 2.00 \cdot a_{12}a_{11}a_{22}a_{21} - a_{12}^2a_{21}^2 > 0$
 $c_1a_{11}a_{22}^2 - c_2a_{11}a_{22}a_{21} - c_1a_{12}a_{22}a_{21} + a_{12}c_2a_{21}^2 \geq 0$
 $-a_{11}^3a_{22}^3 + 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} - 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 + a_{12}^3a_{21}^3 > 0$
 $a_{11}^3a_{22}^3 - 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} + 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 - a_{12}^3a_{21}^3 \geq 0$
pot #40:

symbol $a_{12} : (-inf, 0.0)$
symbol $c_1 : (-inf, 0.0)$

symbol $c_2 : (-0.0, inf)$
 symbol $a_{11} : (-0.0, inf)$
 symbol $a_{22} : (-0.0, inf)$
 symbol $b_1 : [-0.0, inf)$
 symbol $b_2 : -0.0$
 symbol $a_{21} : (-inf, 0.0)$
 $-c_2 a_{11} + c_1 a_{12} > 0$
 $a_{11} a_{22} - a_{12} a_{21} > 0$
 $c_1 a_{22} - c_2 a_{21} > 0$
 $a_{11}^3 a_{22}^3 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 \geq 0$
 $-a_{11}^2 a_{22}^2 + 2.00 \cdot a_{12} a_{11} a_{22} a_{21} - a_{12}^2 a_{21}^2 > 0$
 $c_1 a_{11} a_{22}^2 - c_2 a_{11} a_{22} a_{21} - c_1 a_{12} a_{22} a_{21} + a_{12} c_2 a_{21}^2 \geq 0$
 $a_{11}^3 a_{22}^3 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 > 0$
 $-a_{11}^8 a_{22}^8 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 +$
 $56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - a_{12}^8 a_{21}^8 \geq 0$
 $a_{11}^8 a_{22}^8 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 -$
 $56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + a_{12}^8 a_{21}^8 > 0$
 pot #41:
 symbol $a_{12} : (-inf, 0.0)$
 symbol $c_1 : (-inf, 0.0)$
 symbol $c_2 : (-0.0, inf)$
 symbol $a_{11} : (-0.0, inf)$
 symbol $a_{22} : (-0.0, inf)$
 symbol $b_1 : [-0.0, inf)$
 symbol $b_2 : -0.0$
 symbol $a_{21} : (-inf, 0.0)$
 $-c_2 a_{11} + c_1 a_{12} > 0$
 $a_{11} a_{22} - a_{12} a_{21} > 0$
 $c_1 a_{22} - c_2 a_{21} > 0$
 $a_{11}^3 a_{22}^3 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 \geq 0$
 $-a_{11}^2 a_{22}^2 + 2.00 \cdot a_{12} a_{11} a_{22} a_{21} - a_{12}^2 a_{21}^2 > 0$
 $c_1 a_{11} a_{22}^2 - c_2 a_{11} a_{22} a_{21} - c_1 a_{12} a_{22} a_{21} + a_{12} c_2 a_{21}^2 \geq 0$
 $a_{11}^3 a_{22}^3 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 > 0$
 $a_{11}^8 a_{22}^8 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 -$
 $56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + a_{12}^8 a_{21}^8 \geq 0$
 $-a_{11}^8 a_{22}^8 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 +$
 $56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - a_{12}^8 a_{21}^8 > 0$
 pot #42:
 symbol $a_{12} : (-inf, 0.0)$
 symbol $c_1 : (-inf, 0.0)$
 symbol $c_2 : (-0.0, inf)$
 symbol $a_{11} : (-0.0, inf)$
 symbol $a_{22} : (-0.0, inf)$
 symbol $b_1 : -0.0$
 symbol $b_2 : -0.0$
 symbol $a_{21} : (-inf, 0.0)$
 $-c_2 a_{11} + c_1 a_{12} > 0$
 $a_{11} a_{22} - a_{12} a_{21} > 0$
 $c_1 a_{22} - c_2 a_{21} > 0$
 $a_{11}^3 a_{22}^3 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 \geq 0$

$$\begin{aligned}
& -a_{11}^2 a_{22}^2 + 2.00 \cdot a_{12} a_{11} a_{22} a_{21} - a_{12}^2 a_{21}^2 > 0 \\
& c_1 a_{11} a_{22}^2 - c_2 a_{11} a_{22} a_{21} - c_1 a_{12} a_{22} a_{21} + a_{12} c_2 a_{21}^2 \geq 0 \\
& a_{11}^3 a_{22}^3 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 > 0 \\
& -a_{11}^8 a_{22}^8 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 + \\
& 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - a_{12}^8 a_{21}^8 \geq 0 \\
& -a_{11}^8 a_{22}^8 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 + \\
& 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - a_{12}^8 a_{21}^8 > 0
\end{aligned}$$

pot #43:

symbol a_{12} : $(-inf, 0.0)$

symbol c_1 : $(-inf, 0.0)$

symbol c_2 : $(-0.0, inf)$

symbol a_{11} : $(-0.0, inf)$

symbol a_{22} : $(-0.0, inf)$

symbol b_1 : -0.0

symbol b_2 : -0.0

symbol a_{21} : $(-inf, 0.0)$

$$-c_2 a_{11} + c_1 a_{12} > 0$$

$$a_{11} a_{22} - a_{12} a_{21} > 0$$

$$c_1 a_{22} - c_2 a_{21} > 0$$

$$a_{11}^3 a_{22}^3 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 \geq 0$$

$$-a_{11}^2 a_{22}^2 + 2.00 \cdot a_{12} a_{11} a_{22} a_{21} - a_{12}^2 a_{21}^2 > 0$$

$$c_1 a_{11} a_{22}^2 - c_2 a_{11} a_{22} a_{21} - c_1 a_{12} a_{22} a_{21} + a_{12} c_2 a_{21}^2 \geq 0$$

$$a_{11}^3 a_{22}^3 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 > 0$$

$$a_{11}^8 a_{22}^8 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 -$$

$$56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + a_{12}^8 a_{21}^8 \geq 0$$

$$a_{11}^8 a_{22}^8 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 -$$

$$56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + a_{12}^8 a_{21}^8 > 0$$

pot #44:

symbol a_{12} : $(-inf, 0.0)$

symbol c_1 : $(-inf, 0.0)$

symbol c_2 : $(-0.0, inf)$

symbol a_{11} : $(-0.0, inf)$

symbol a_{22} : $(-0.0, inf)$

symbol b_1 : $[-0.0, inf)$

symbol b_2 : -0.0

symbol a_{21} : $(-inf, 0.0)$

$$-c_2 a_{11} + c_1 a_{12} > 0$$

$$a_{11} a_{22} - a_{12} a_{21} > 0$$

$$c_1 a_{22} - c_2 a_{21} > 0$$

$$a_{11}^3 a_{22}^3 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 \geq 0$$

$$-a_{11}^2 a_{22}^2 + 2.00 \cdot a_{12} a_{11} a_{22} a_{21} - a_{12}^2 a_{21}^2 > 0$$

$$c_1 a_{11} a_{22}^2 - c_2 a_{11} a_{22} a_{21} - c_1 a_{12} a_{22} a_{21} + a_{12} c_2 a_{21}^2 \geq 0$$

$$a_{11}^3 a_{22}^3 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 > 0$$

$$-a_{11}^3 a_{22}^3 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + a_{12}^3 a_{21}^3 > 0$$

$$-a_{11}^8 a_{22}^8 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 +$$

$$56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - a_{12}^8 a_{21}^8 \geq 0$$

$$a_{11}^8 a_{22}^8 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 -$$

$$56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + a_{12}^8 a_{21}^8 > 0$$

pot #45:

symbol a_{12} : $(-inf, 0.0)$

symbol $c_1 : (-inf, 0.0)$
symbol $c_2 : (-0.0, inf)$
symbol $a_{11} : (-0.0, inf)$
symbol $a_{22} : (-0.0, inf)$
symbol $b_1 : [-0.0, inf)$
symbol $b_2 : -0.0$
symbol $a_{21} : (-inf, 0.0)$
 $-c_2 a_{11} + c_1 a_{12} > 0$
 $a_{11} a_{22} - a_{12} a_{21} > 0$
 $c_1 a_{22} - c_2 a_{21} > 0$
 $a_{11}^3 a_{22}^3 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 \geq 0$
 $-a_{11}^2 a_{22}^2 + 2.00 \cdot a_{12} a_{11} a_{22} a_{21} - a_{12}^2 a_{21}^2 > 0$
 $c_1 a_{11} a_{22}^2 - c_2 a_{11} a_{22} a_{21} - c_1 a_{12} a_{22} a_{21} + a_{12} c_2 a_{21}^2 \geq 0$
 $a_{11}^3 a_{22}^3 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 > 0$
 $-a_{11}^3 a_{22}^3 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + a_{12}^3 a_{21}^3 > 0$
 $a_{11}^8 a_{22}^8 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 -$
 $56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + a_{12}^8 a_{21}^8 \geq 0$
 $-a_{11}^8 a_{22}^8 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 +$
 $56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - a_{12}^8 a_{21}^8 > 0$
pot #46:
symbol $a_{12} : (-inf, 0.0)$
symbol $c_1 : (-inf, 0.0)$
symbol $c_2 : (-0.0, inf)$
symbol $a_{11} : (-0.0, inf)$
symbol $a_{22} : (-0.0, inf)$
symbol $b_1 : -0.0$
symbol $b_2 : -0.0$
symbol $a_{21} : (-inf, 0.0)$
 $-c_2 a_{11} + c_1 a_{12} > 0$
 $a_{11} a_{22} - a_{12} a_{21} > 0$
 $c_1 a_{22} - c_2 a_{21} > 0$
 $a_{11}^3 a_{22}^3 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 \geq 0$
 $-a_{11}^2 a_{22}^2 + 2.00 \cdot a_{12} a_{11} a_{22} a_{21} - a_{12}^2 a_{21}^2 > 0$
 $c_1 a_{11} a_{22}^2 - c_2 a_{11} a_{22} a_{21} - c_1 a_{12} a_{22} a_{21} + a_{12} c_2 a_{21}^2 \geq 0$
 $a_{11}^3 a_{22}^3 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 > 0$
 $-a_{11}^3 a_{22}^3 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + a_{12}^3 a_{21}^3 > 0$
 $-a_{11}^8 a_{22}^8 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 +$
 $56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - a_{12}^8 a_{21}^8 \geq 0$
 $-a_{11}^8 a_{22}^8 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 +$
 $56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - a_{12}^8 a_{21}^8 > 0$
pot #47:
symbol $a_{12} : (-inf, 0.0)$
symbol $c_1 : (-inf, 0.0)$
symbol $c_2 : (-0.0, inf)$
symbol $a_{11} : (-0.0, inf)$
symbol $a_{22} : (-0.0, inf)$
symbol $b_1 : -0.0$
symbol $b_2 : -0.0$
symbol $a_{21} : (-inf, 0.0)$
 $-c_2 a_{11} + c_1 a_{12} > 0$

$$a_{11}a_{22} - a_{12}a_{21} > 0$$

$$c_1a_{22} - c_2a_{21} > 0$$

$$a_{11}^3a_{22}^3 - 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} + 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 - a_{12}^3a_{21}^3 \geq 0$$

$$-a_{11}^2a_{22}^2 + 2.00 \cdot a_{12}a_{11}a_{22}a_{21} - a_{12}^2a_{21}^2 > 0$$

$$c_1a_{11}a_{22}^2 - c_2a_{11}a_{22}a_{21} - c_1a_{12}a_{22}a_{21} + a_{12}c_2a_{21}^2 \geq 0$$

$$a_{11}^3a_{22}^3 - 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} + 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 - a_{12}^3a_{21}^3 > 0$$

$$-a_{11}^3a_{22}^3 + 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} - 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 + a_{12}^3a_{21}^3 > 0$$

$$a_{11}^8a_{22}^8 - 8.00 \cdot a_{12}a_{11}^7a_{22}^7a_{21} + 28.00 \cdot a_{12}^2a_{11}^6a_{22}^6a_{21}^2 - 56.00 \cdot a_{12}^3a_{11}^5a_{22}^5a_{21}^3 + 70.00 \cdot a_{12}^4a_{11}^4a_{22}^4a_{21}^4 - 56.00 \cdot a_{12}^5a_{11}^3a_{22}^3a_{21}^5 + 28.00 \cdot a_{12}^6a_{11}^2a_{22}^2a_{21}^6 - 8.00 \cdot a_{12}^7a_{11}a_{22}a_{21}^7 + a_{12}^8a_{21}^8 \geq 0$$

$$a_{11}^8a_{22}^8 - 8.00 \cdot a_{12}a_{11}^7a_{22}^7a_{21} + 28.00 \cdot a_{12}^2a_{11}^6a_{22}^6a_{21}^2 - 56.00 \cdot a_{12}^3a_{11}^5a_{22}^5a_{21}^3 + 70.00 \cdot a_{12}^4a_{11}^4a_{22}^4a_{21}^4 - 56.00 \cdot a_{12}^5a_{11}^3a_{22}^3a_{21}^5 + 28.00 \cdot a_{12}^6a_{11}^2a_{22}^2a_{21}^6 - 8.00 \cdot a_{12}^7a_{11}a_{22}a_{21}^7 + a_{12}^8a_{21}^8 > 0$$

pot #48:

symbol a_{12} : $(-inf, 0.0)$

symbol c_1 : $(-inf, 0.0)$

symbol c_2 : $(-0.0, inf)$

symbol a_{11} : $(-0.0, inf)$

symbol a_{22} : $(-0.0, inf)$

symbol b_1 : $[-0.0, inf)$

symbol b_2 : -0.0

symbol a_{21} : $(-inf, 0.0)$

$$-c_2a_{11} + c_1a_{12} > 0$$

$$a_{11}a_{22} - a_{12}a_{21} > 0$$

$$c_1a_{22} - c_2a_{21} > 0$$

$$a_{11}^3a_{22}^3 - 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} + 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 - a_{12}^3a_{21}^3 \geq 0$$

$$-a_{11}^2a_{22}^2 + 2.00 \cdot a_{12}a_{11}a_{22}a_{21} - a_{12}^2a_{21}^2 > 0$$

$$c_1a_{11}a_{22}^2 - c_2a_{11}a_{22}a_{21} - c_1a_{12}a_{22}a_{21} + a_{12}c_2a_{21}^2 \geq 0$$

$$-a_{11}^3a_{22}^3 + 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} - 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 + a_{12}^3a_{21}^3 > 0$$

$$a_{11}^3a_{22}^3 - 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} + 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 - a_{12}^3a_{21}^3 > 0$$

$$-a_{11}^8a_{22}^8 + 8.00 \cdot a_{12}a_{11}^7a_{22}^7a_{21} - 28.00 \cdot a_{12}^2a_{11}^6a_{22}^6a_{21}^2 + 56.00 \cdot a_{12}^3a_{11}^5a_{22}^5a_{21}^3 - 70.00 \cdot a_{12}^4a_{11}^4a_{22}^4a_{21}^4 + 56.00 \cdot a_{12}^5a_{11}^3a_{22}^3a_{21}^5 - 28.00 \cdot a_{12}^6a_{11}^2a_{22}^2a_{21}^6 + 8.00 \cdot a_{12}^7a_{11}a_{22}a_{21}^7 - a_{12}^8a_{21}^8 \geq 0$$

$$a_{11}^8a_{22}^8 - 8.00 \cdot a_{12}a_{11}^7a_{22}^7a_{21} + 28.00 \cdot a_{12}^2a_{11}^6a_{22}^6a_{21}^2 - 56.00 \cdot a_{12}^3a_{11}^5a_{22}^5a_{21}^3 + 70.00 \cdot a_{12}^4a_{11}^4a_{22}^4a_{21}^4 - 56.00 \cdot a_{12}^5a_{11}^3a_{22}^3a_{21}^5 + 28.00 \cdot a_{12}^6a_{11}^2a_{22}^2a_{21}^6 - 8.00 \cdot a_{12}^7a_{11}a_{22}a_{21}^7 + a_{12}^8a_{21}^8 > 0$$

pot #49:

symbol a_{12} : $(-inf, 0.0)$

symbol c_1 : $(-inf, 0.0)$

symbol c_2 : $(-0.0, inf)$

symbol a_{11} : $(-0.0, inf)$

symbol a_{22} : $(-0.0, inf)$

symbol b_1 : $[-0.0, inf)$

symbol b_2 : -0.0

symbol a_{21} : $(-inf, 0.0)$

$$-c_2a_{11} + c_1a_{12} > 0$$

$$a_{11}a_{22} - a_{12}a_{21} > 0$$

$$c_1a_{22} - c_2a_{21} > 0$$

$$a_{11}^3a_{22}^3 - 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} + 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 - a_{12}^3a_{21}^3 \geq 0$$

$$-a_{11}^2a_{22}^2 + 2.00 \cdot a_{12}a_{11}a_{22}a_{21} - a_{12}^2a_{21}^2 > 0$$

$$c_1a_{11}a_{22}^2 - c_2a_{11}a_{22}a_{21} - c_1a_{12}a_{22}a_{21} + a_{12}c_2a_{21}^2 \geq 0$$

$$-a_{11}^3a_{22}^3 + 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} - 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 + a_{12}^3a_{21}^3 > 0$$

$$a_{11}^3a_{22}^3 - 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} + 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 - a_{12}^3a_{21}^3 > 0$$

$$a_{11}^8a_{22}^8 - 8.00 \cdot a_{12}a_{11}^7a_{22}^7a_{21} + 28.00 \cdot a_{12}^2a_{11}^6a_{22}^6a_{21}^2 - 56.00 \cdot a_{12}^3a_{11}^5a_{22}^5a_{21}^3 + 70.00 \cdot a_{12}^4a_{11}^4a_{22}^4a_{21}^4 -$$

$$\begin{aligned}
& 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + a_{12}^8 a_{21}^8 \geq 0 \\
& -a_{11}^8 a_{22}^8 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 + \\
& 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - a_{12}^8 a_{21}^8 > 0
\end{aligned}$$

pot #50:

symbol a_{12} : $(-inf, 0.0)$

symbol c_1 : $(-inf, 0.0)$

symbol c_2 : $(-0.0, inf)$

symbol a_{11} : $(-0.0, inf)$

symbol a_{22} : $(-0.0, inf)$

symbol b_1 : -0.0

symbol b_2 : -0.0

symbol a_{21} : $(-inf, 0.0)$

$$-c_2 a_{11} + c_1 a_{12} > 0$$

$$a_{11} a_{22} - a_{12} a_{21} > 0$$

$$c_1 a_{22} - c_2 a_{21} > 0$$

$$a_{11}^3 a_{22}^3 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 \geq 0$$

$$-a_{11}^2 a_{22}^2 + 2.00 \cdot a_{12} a_{11} a_{22} a_{21} - a_{12}^2 a_{21}^2 > 0$$

$$c_1 a_{11} a_{22}^2 - c_2 a_{11} a_{22} a_{21} - c_1 a_{12} a_{22} a_{21} + a_{12} c_2 a_{21}^2 \geq 0$$

$$-a_{11}^3 a_{22}^3 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + a_{12}^3 a_{21}^3 > 0$$

$$a_{11}^3 a_{22}^3 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 > 0$$

$$-a_{11}^8 a_{22}^8 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 +$$

$$56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - a_{12}^8 a_{21}^8 \geq 0$$

$$-a_{11}^8 a_{22}^8 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 +$$

$$56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - a_{12}^8 a_{21}^8 > 0$$

pot #51:

symbol a_{12} : $(-inf, 0.0)$

symbol c_1 : $(-inf, 0.0)$

symbol c_2 : $(-0.0, inf)$

symbol a_{11} : $(-0.0, inf)$

symbol a_{22} : $(-0.0, inf)$

symbol b_1 : -0.0

symbol b_2 : -0.0

symbol a_{21} : $(-inf, 0.0)$

$$-c_2 a_{11} + c_1 a_{12} > 0$$

$$a_{11} a_{22} - a_{12} a_{21} > 0$$

$$c_1 a_{22} - c_2 a_{21} > 0$$

$$a_{11}^3 a_{22}^3 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 \geq 0$$

$$-a_{11}^2 a_{22}^2 + 2.00 \cdot a_{12} a_{11} a_{22} a_{21} - a_{12}^2 a_{21}^2 > 0$$

$$c_1 a_{11} a_{22}^2 - c_2 a_{11} a_{22} a_{21} - c_1 a_{12} a_{22} a_{21} + a_{12} c_2 a_{21}^2 \geq 0$$

$$-a_{11}^3 a_{22}^3 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + a_{12}^3 a_{21}^3 > 0$$

$$a_{11}^3 a_{22}^3 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 > 0$$

$$a_{11}^8 a_{22}^8 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 -$$

$$56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + a_{12}^8 a_{21}^8 \geq 0$$

$$a_{11}^8 a_{22}^8 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 -$$

$$56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + a_{12}^8 a_{21}^8 > 0$$

pot #52:

symbol a_{12} : $(-inf, 0.0)$

symbol c_1 : $(-inf, 0.0)$

symbol c_2 : $(-0.0, inf)$

symbol a_{11} : $(-0.0, inf)$

symbol $a_{22} : (-0.0, inf)$

symbol $b_1 : [-0.0, inf)$

symbol $b_2 : -0.0$

symbol $a_{21} : (-inf, 0.0)$

$-c_2 a_{11} + c_1 a_{12} > 0$

$a_{11} a_{22} - a_{12} a_{21} > 0$

$c_1 a_{22} - c_2 a_{21} > 0$

$a_{11}^3 a_{22}^3 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 \geq 0$

$-a_{11}^2 a_{22}^2 + 2.00 \cdot a_{12} a_{11} a_{22} a_{21} - a_{12}^2 a_{21}^2 > 0$

$c_1 a_{11} a_{22}^2 - c_2 a_{11} a_{22} a_{21} - c_1 a_{12} a_{22} a_{21} + a_{12} c_2 a_{21}^2 \geq 0$

$-a_{11}^3 a_{22}^3 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + a_{12}^3 a_{21}^3 > 0$

$-a_{11}^8 a_{22}^8 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 +$

$56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - a_{12}^8 a_{21}^8 \geq 0$

$a_{11}^8 a_{22}^8 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 -$

$56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + a_{12}^8 a_{21}^8 > 0$

pot #53:

symbol $a_{12} : (-inf, 0.0)$

symbol $c_1 : (-inf, 0.0)$

symbol $c_2 : (-0.0, inf)$

symbol $a_{11} : (-0.0, inf)$

symbol $a_{22} : (-0.0, inf)$

symbol $b_1 : [-0.0, inf)$

symbol $b_2 : -0.0$

symbol $a_{21} : (-inf, 0.0)$

$-c_2 a_{11} + c_1 a_{12} > 0$

$a_{11} a_{22} - a_{12} a_{21} > 0$

$c_1 a_{22} - c_2 a_{21} > 0$

$a_{11}^3 a_{22}^3 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 \geq 0$

$-a_{11}^2 a_{22}^2 + 2.00 \cdot a_{12} a_{11} a_{22} a_{21} - a_{12}^2 a_{21}^2 > 0$

$c_1 a_{11} a_{22}^2 - c_2 a_{11} a_{22} a_{21} - c_1 a_{12} a_{22} a_{21} + a_{12} c_2 a_{21}^2 \geq 0$

$-a_{11}^3 a_{22}^3 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + a_{12}^3 a_{21}^3 > 0$

$a_{11}^8 a_{22}^8 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 -$

$56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + a_{12}^8 a_{21}^8 \geq 0$

$-a_{11}^8 a_{22}^8 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 +$

$56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - a_{12}^8 a_{21}^8 > 0$

pot #54:

symbol $a_{12} : (-inf, 0.0)$

symbol $c_1 : (-inf, 0.0)$

symbol $c_2 : (-0.0, inf)$

symbol $a_{11} : (-0.0, inf)$

symbol $a_{22} : (-0.0, inf)$

symbol $b_1 : -0.0$

symbol $b_2 : -0.0$

symbol $a_{21} : (-inf, 0.0)$

$-c_2 a_{11} + c_1 a_{12} > 0$

$a_{11} a_{22} - a_{12} a_{21} > 0$

$c_1 a_{22} - c_2 a_{21} > 0$

$a_{11}^3 a_{22}^3 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 \geq 0$

$-a_{11}^2 a_{22}^2 + 2.00 \cdot a_{12} a_{11} a_{22} a_{21} - a_{12}^2 a_{21}^2 > 0$

$c_1 a_{11} a_{22}^2 - c_2 a_{11} a_{22} a_{21} - c_1 a_{12} a_{22} a_{21} + a_{12} c_2 a_{21}^2 \geq 0$

$$\begin{aligned}
& -a_{11}^3 a_{22}^3 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + a_{12}^3 a_{21}^3 > 0 \\
& -a_{11}^8 a_{22}^8 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 + \\
& 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - a_{12}^8 a_{21}^8 \geq 0 \\
& -a_{11}^8 a_{22}^8 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 + \\
& 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - a_{12}^8 a_{21}^8 > 0
\end{aligned}$$

pot #55:

symbol a_{12} : $(-inf, 0.0)$

symbol c_1 : $(-inf, 0.0)$

symbol c_2 : $(-0.0, inf)$

symbol a_{11} : $(-0.0, inf)$

symbol a_{22} : $(-0.0, inf)$

symbol b_1 : -0.0

symbol b_2 : -0.0

symbol a_{21} : $(-inf, 0.0)$

$$-c_2 a_{11} + c_1 a_{12} > 0$$

$$a_{11} a_{22} - a_{12} a_{21} > 0$$

$$c_1 a_{22} - c_2 a_{21} > 0$$

$$a_{11}^3 a_{22}^3 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 \geq 0$$

$$-a_{11}^2 a_{22}^2 + 2.00 \cdot a_{12} a_{11} a_{22} a_{21} - a_{12}^2 a_{21}^2 > 0$$

$$c_1 a_{11} a_{22}^2 - c_2 a_{11} a_{22} a_{21} - c_1 a_{12} a_{22} a_{21} + a_{12} c_2 a_{21}^2 \geq 0$$

$$-a_{11}^3 a_{22}^3 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + a_{12}^3 a_{21}^3 > 0$$

$$a_{11}^8 a_{22}^8 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 -$$

$$56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + a_{12}^8 a_{21}^8 \geq 0$$

$$a_{11}^8 a_{22}^8 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 -$$

$$56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + a_{12}^8 a_{21}^8 > 0$$

pot #56:

symbol a_{12} : $(-inf, 0.0)$

symbol c_1 : $(-inf, 0.0)$

symbol c_2 : $(-0.0, inf)$

symbol a_{11} : $(-0.0, inf)$

symbol a_{22} : $(-0.0, inf)$

symbol b_1 : $[-0.0, inf)$

symbol b_2 : -0.0

symbol a_{21} : $(-inf, 0.0)$

$$-c_2 a_{11} + c_1 a_{12} > 0$$

$$a_{11} a_{22} - a_{12} a_{21} > 0$$

$$c_1 a_{22} - c_2 a_{21} > 0$$

$$a_{11}^3 a_{22}^3 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 \geq 0$$

$$-a_{11}^2 a_{22}^2 + 2.00 \cdot a_{12} a_{11} a_{22} a_{21} - a_{12}^2 a_{21}^2 > 0$$

$$c_1 a_{11} a_{22}^2 - c_2 a_{11} a_{22} a_{21} - c_1 a_{12} a_{22} a_{21} + a_{12} c_2 a_{21}^2 \geq 0$$

$$a_{11}^3 a_{22}^3 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 > 0$$

$$-a_{11}^3 a_{22}^3 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + a_{12}^3 a_{21}^3 \geq 0$$

pot #57:

symbol a_{12} : $(-inf, 0.0)$

symbol c_1 : $(-inf, 0.0)$

symbol c_2 : $(-0.0, inf)$

symbol a_{11} : $(-0.0, inf)$

symbol a_{22} : $(-0.0, inf)$

symbol b_1 : $[-0.0, inf)$

symbol b_2 : -0.0

symbol $a_{21} : (-inf, 0.0)$
 $-c_2a_{11} + c_1a_{12} > 0$
 $a_{11}a_{22} - a_{12}a_{21} > 0$
 $c_1a_{22} - c_2a_{21} > 0$
 $a_{11}^3a_{22}^3 - 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} + 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 - a_{12}^3a_{21}^3 \geq 0$
 $-a_{11}^2a_{22}^2 + 2.00 \cdot a_{12}a_{11}a_{22}a_{21} - a_{12}^2a_{21}^2 > 0$
 $c_1a_{11}a_{22}^2 - c_2a_{11}a_{22}a_{21} - c_1a_{12}a_{22}a_{21} + a_{12}c_2a_{21}^2 \geq 0$
 $a_{11}^3a_{22}^3 - 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} + 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 - a_{12}^3a_{21}^3 > 0$
 $-a_{11}^3a_{22}^3 + 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} - 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 + a_{12}^3a_{21}^3 > 0$
pot #58:

symbol $a_{12} : (-inf, 0.0)$
symbol $c_1 : (-inf, 0.0)$
symbol $c_2 : (-0.0, inf)$
symbol $a_{11} : (-0.0, inf)$
symbol $a_{22} : (-0.0, inf)$
symbol $b_1 : [-0.0, inf)$
symbol $b_2 : -0.0$
symbol $a_{21} : (-inf, 0.0)$
 $-c_2a_{11} + c_1a_{12} > 0$
 $a_{11}a_{22} - a_{12}a_{21} > 0$
 $c_1a_{22} - c_2a_{21} > 0$
 $a_{11}^3a_{22}^3 - 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} + 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 - a_{12}^3a_{21}^3 \geq 0$
 $-a_{11}^2a_{22}^2 + 2.00 \cdot a_{12}a_{11}a_{22}a_{21} - a_{12}^2a_{21}^2 > 0$
 $c_1a_{11}a_{22}^2 - c_2a_{11}a_{22}a_{21} - c_1a_{12}a_{22}a_{21} + a_{12}c_2a_{21}^2 \geq 0$
 $-a_{11}^3a_{22}^3 + 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} - 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 + a_{12}^3a_{21}^3 > 0$
 $-a_{11}^3a_{22}^3 + 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} - 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 + a_{12}^3a_{21}^3 \geq 0$
 $a_{11}^3a_{22}^3 - 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} + 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 - a_{12}^3a_{21}^3 > 0$
pot #59:

symbol $a_{12} : (-inf, 0.0)$
symbol $c_1 : (-inf, 0.0)$
symbol $c_2 : (-0.0, inf)$
symbol $a_{11} : (-0.0, inf)$
symbol $a_{22} : (-0.0, inf)$
symbol $b_1 : [-0.0, inf)$
symbol $b_2 : -0.0$
symbol $a_{21} : (-inf, 0.0)$
 $-c_2a_{11} + c_1a_{12} > 0$
 $a_{11}a_{22} - a_{12}a_{21} > 0$
 $c_1a_{22} - c_2a_{21} > 0$
 $a_{11}^3a_{22}^3 - 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} + 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 - a_{12}^3a_{21}^3 \geq 0$
 $-a_{11}^2a_{22}^2 + 2.00 \cdot a_{12}a_{11}a_{22}a_{21} - a_{12}^2a_{21}^2 > 0$
 $c_1a_{11}a_{22}^2 - c_2a_{11}a_{22}a_{21} - c_1a_{12}a_{22}a_{21} + a_{12}c_2a_{21}^2 \geq 0$
 $-a_{11}^3a_{22}^3 + 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} - 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 + a_{12}^3a_{21}^3 > 0$
pot #60:

symbol $a_{12} : (-inf, 0.0)$
symbol $c_1 : (-inf, 0.0)$
symbol $c_2 : (-0.0, inf)$
symbol $a_{11} : (-0.0, inf)$
symbol $a_{22} : (-0.0, inf)$
symbol $b_1 : [-0.0, inf)$

symbol $b_2 : -0.0$

symbol $a_{21} : (-inf, 0.0)$

$-c_2 a_{11} + c_1 a_{12} > 0$

$a_{11} a_{22} - a_{12} a_{21} > 0$

$c_1 a_{22} - c_2 a_{21} > 0$

$-a_{11}^3 a_{22}^3 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + a_{12}^3 a_{21}^3 \geq 0$

$a_{11}^2 a_{22}^2 - 2.00 \cdot a_{12} a_{11} a_{22} a_{21} + a_{12}^2 a_{21}^2 > 0$

$c_1 a_{11} a_{22}^2 - c_2 a_{11} a_{22} a_{21} - c_1 a_{12} a_{22} a_{21} + a_{12} c_2 a_{21}^2 \geq 0$

$a_{11}^3 a_{22}^3 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 > 0$

$-a_{11}^8 a_{22}^8 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 + 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - a_{12}^8 a_{21}^8 \geq 0$

$a_{11}^8 a_{22}^8 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 - 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + a_{12}^8 a_{21}^8 > 0$

pot #61:

symbol $a_{12} : (-inf, 0.0)$

symbol $c_1 : (-inf, 0.0)$

symbol $c_2 : (-0.0, inf)$

symbol $a_{11} : (-0.0, inf)$

symbol $a_{22} : (-0.0, inf)$

symbol $b_1 : [-0.0, inf)$

symbol $b_2 : -0.0$

symbol $a_{21} : (-inf, 0.0)$

$-c_2 a_{11} + c_1 a_{12} > 0$

$a_{11} a_{22} - a_{12} a_{21} > 0$

$c_1 a_{22} - c_2 a_{21} > 0$

$-a_{11}^3 a_{22}^3 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + a_{12}^3 a_{21}^3 \geq 0$

$a_{11}^2 a_{22}^2 - 2.00 \cdot a_{12} a_{11} a_{22} a_{21} + a_{12}^2 a_{21}^2 > 0$

$c_1 a_{11} a_{22}^2 - c_2 a_{11} a_{22} a_{21} - c_1 a_{12} a_{22} a_{21} + a_{12} c_2 a_{21}^2 \geq 0$

$a_{11}^3 a_{22}^3 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 > 0$

$a_{11}^8 a_{22}^8 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 - 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + a_{12}^8 a_{21}^8 \geq 0$

$-a_{11}^8 a_{22}^8 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 + 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - a_{12}^8 a_{21}^8 > 0$

pot #62:

symbol $a_{12} : (-inf, 0.0)$

symbol $c_1 : (-inf, 0.0)$

symbol $c_2 : (-0.0, inf)$

symbol $a_{11} : (-0.0, inf)$

symbol $a_{22} : (-0.0, inf)$

symbol $b_1 : -0.0$

symbol $b_2 : -0.0$

symbol $a_{21} : (-inf, 0.0)$

$-c_2 a_{11} + c_1 a_{12} > 0$

$a_{11} a_{22} - a_{12} a_{21} > 0$

$c_1 a_{22} - c_2 a_{21} > 0$

$-a_{11}^3 a_{22}^3 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + a_{12}^3 a_{21}^3 \geq 0$

$a_{11}^2 a_{22}^2 - 2.00 \cdot a_{12} a_{11} a_{22} a_{21} + a_{12}^2 a_{21}^2 > 0$

$c_1 a_{11} a_{22}^2 - c_2 a_{11} a_{22} a_{21} - c_1 a_{12} a_{22} a_{21} + a_{12} c_2 a_{21}^2 \geq 0$

$a_{11}^3 a_{22}^3 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 > 0$

$-a_{11}^8 a_{22}^8 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 +$

$$\begin{aligned}
& 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - a_{12}^8 a_{21}^8 \geq 0 \\
& -a_{11}^8 a_{22}^8 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 + \\
& 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - a_{12}^8 a_{21}^8 > 0
\end{aligned}$$

pot #63:

symbol a_{12} : $(-inf, 0.0)$

symbol c_1 : $(-inf, 0.0)$

symbol c_2 : $(-0.0, inf)$

symbol a_{11} : $(-0.0, inf)$

symbol a_{22} : $(-0.0, inf)$

symbol b_1 : -0.0

symbol b_2 : -0.0

symbol a_{21} : $(-inf, 0.0)$

$$-c_2 a_{11} + c_1 a_{12} > 0$$

$$a_{11} a_{22} - a_{12} a_{21} > 0$$

$$c_1 a_{22} - c_2 a_{21} > 0$$

$$-a_{11}^3 a_{22}^3 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + a_{12}^3 a_{21}^3 \geq 0$$

$$a_{11}^2 a_{22}^2 - 2.00 \cdot a_{12} a_{11} a_{22} a_{21} + a_{12}^2 a_{21}^2 > 0$$

$$c_1 a_{11} a_{22}^2 - c_2 a_{11} a_{22} a_{21} - c_1 a_{12} a_{22} a_{21} + a_{12} c_2 a_{21}^2 \geq 0$$

$$a_{11}^3 a_{22}^3 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 > 0$$

$$a_{11}^8 a_{22}^8 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 -$$

$$56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + a_{12}^8 a_{21}^8 \geq 0$$

$$a_{11}^8 a_{22}^8 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 -$$

$$56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + a_{12}^8 a_{21}^8 > 0$$

pot #64:

symbol a_{12} : $(-inf, 0.0)$

symbol c_1 : $(-inf, 0.0)$

symbol c_2 : $(-0.0, inf)$

symbol a_{11} : $(-0.0, inf)$

symbol a_{22} : $(-0.0, inf)$

symbol b_1 : $[-0.0, inf)$

symbol b_2 : -0.0

symbol a_{21} : $(-inf, 0.0)$

$$-c_2 a_{11} + c_1 a_{12} > 0$$

$$a_{11} a_{22} - a_{12} a_{21} > 0$$

$$c_1 a_{22} - c_2 a_{21} > 0$$

$$-a_{11}^3 a_{22}^3 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + a_{12}^3 a_{21}^3 \geq 0$$

$$a_{11}^2 a_{22}^2 - 2.00 \cdot a_{12} a_{11} a_{22} a_{21} + a_{12}^2 a_{21}^2 > 0$$

$$c_1 a_{11} a_{22}^2 - c_2 a_{11} a_{22} a_{21} - c_1 a_{12} a_{22} a_{21} + a_{12} c_2 a_{21}^2 \geq 0$$

$$a_{11}^3 a_{22}^3 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 > 0$$

$$-a_{11}^3 a_{22}^3 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + a_{12}^3 a_{21}^3 > 0$$

$$-a_{11}^8 a_{22}^8 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 +$$

$$56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - a_{12}^8 a_{21}^8 \geq 0$$

$$a_{11}^8 a_{22}^8 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 -$$

$$56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + a_{12}^8 a_{21}^8 > 0$$

pot #65:

symbol a_{12} : $(-inf, 0.0)$

symbol c_1 : $(-inf, 0.0)$

symbol c_2 : $(-0.0, inf)$

symbol a_{11} : $(-0.0, inf)$

symbol a_{22} : $(-0.0, inf)$

symbol $b_1 : [-0.0, inf)$

symbol $b_2 : -0.0$

symbol $a_{21} : (-inf, 0.0)$

$-c_2a_{11} + c_1a_{12} > 0$

$a_{11}a_{22} - a_{12}a_{21} > 0$

$c_1a_{22} - c_2a_{21} > 0$

$-a_{11}^3a_{22}^3 + 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} - 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 + a_{12}^3a_{21}^3 \geq 0$

$a_{11}^2a_{22}^2 - 2.00 \cdot a_{12}a_{11}a_{22}a_{21} + a_{12}^2a_{21}^2 > 0$

$c_1a_{11}a_{22}^2 - c_2a_{11}a_{22}a_{21} - c_1a_{12}a_{22}a_{21} + a_{12}c_2a_{21}^2 \geq 0$

$a_{11}^3a_{22}^3 - 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} + 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 - a_{12}^3a_{21}^3 > 0$

$-a_{11}^3a_{22}^3 + 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} - 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 + a_{12}^3a_{21}^3 > 0$

$a_{11}^8a_{22}^8 - 8.00 \cdot a_{12}a_{11}^7a_{22}^7a_{21} + 28.00 \cdot a_{12}^2a_{11}^6a_{22}^6a_{21}^2 - 56.00 \cdot a_{12}^3a_{11}^5a_{22}^5a_{21}^3 + 70.00 \cdot a_{12}^4a_{11}^4a_{22}^4a_{21}^4 -$
 $56.00 \cdot a_{12}^5a_{11}^3a_{22}^3a_{21}^5 + 28.00 \cdot a_{12}^6a_{11}^2a_{22}^2a_{21}^6 - 8.00 \cdot a_{12}^7a_{11}a_{22}a_{21}^7 + a_{12}^8a_{21}^8 \geq 0$

$-a_{11}^8a_{22}^8 + 8.00 \cdot a_{12}a_{11}^7a_{22}^7a_{21} - 28.00 \cdot a_{12}^2a_{11}^6a_{22}^6a_{21}^2 + 56.00 \cdot a_{12}^3a_{11}^5a_{22}^5a_{21}^3 - 70.00 \cdot a_{12}^4a_{11}^4a_{22}^4a_{21}^4 +$
 $56.00 \cdot a_{12}^5a_{11}^3a_{22}^3a_{21}^5 - 28.00 \cdot a_{12}^6a_{11}^2a_{22}^2a_{21}^6 + 8.00 \cdot a_{12}^7a_{11}a_{22}a_{21}^7 - a_{12}^8a_{21}^8 > 0$

pot #66:

symbol $a_{12} : (-inf, 0.0)$

symbol $c_1 : (-inf, 0.0)$

symbol $c_2 : (-0.0, inf)$

symbol $a_{11} : (-0.0, inf)$

symbol $a_{22} : (-0.0, inf)$

symbol $b_1 : -0.0$

symbol $b_2 : -0.0$

symbol $a_{21} : (-inf, 0.0)$

$-c_2a_{11} + c_1a_{12} > 0$

$a_{11}a_{22} - a_{12}a_{21} > 0$

$c_1a_{22} - c_2a_{21} > 0$

$-a_{11}^3a_{22}^3 + 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} - 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 + a_{12}^3a_{21}^3 \geq 0$

$a_{11}^2a_{22}^2 - 2.00 \cdot a_{12}a_{11}a_{22}a_{21} + a_{12}^2a_{21}^2 > 0$

$c_1a_{11}a_{22}^2 - c_2a_{11}a_{22}a_{21} - c_1a_{12}a_{22}a_{21} + a_{12}c_2a_{21}^2 \geq 0$

$a_{11}^3a_{22}^3 - 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} + 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 - a_{12}^3a_{21}^3 > 0$

$-a_{11}^3a_{22}^3 + 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} - 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 + a_{12}^3a_{21}^3 > 0$

$-a_{11}^8a_{22}^8 + 8.00 \cdot a_{12}a_{11}^7a_{22}^7a_{21} - 28.00 \cdot a_{12}^2a_{11}^6a_{22}^6a_{21}^2 + 56.00 \cdot a_{12}^3a_{11}^5a_{22}^5a_{21}^3 - 70.00 \cdot a_{12}^4a_{11}^4a_{22}^4a_{21}^4 +$
 $56.00 \cdot a_{12}^5a_{11}^3a_{22}^3a_{21}^5 - 28.00 \cdot a_{12}^6a_{11}^2a_{22}^2a_{21}^6 + 8.00 \cdot a_{12}^7a_{11}a_{22}a_{21}^7 - a_{12}^8a_{21}^8 \geq 0$

$-a_{11}^8a_{22}^8 + 8.00 \cdot a_{12}a_{11}^7a_{22}^7a_{21} - 28.00 \cdot a_{12}^2a_{11}^6a_{22}^6a_{21}^2 + 56.00 \cdot a_{12}^3a_{11}^5a_{22}^5a_{21}^3 - 70.00 \cdot a_{12}^4a_{11}^4a_{22}^4a_{21}^4 +$
 $56.00 \cdot a_{12}^5a_{11}^3a_{22}^3a_{21}^5 - 28.00 \cdot a_{12}^6a_{11}^2a_{22}^2a_{21}^6 + 8.00 \cdot a_{12}^7a_{11}a_{22}a_{21}^7 - a_{12}^8a_{21}^8 > 0$

pot #67:

symbol $a_{12} : (-inf, 0.0)$

symbol $c_1 : (-inf, 0.0)$

symbol $c_2 : (-0.0, inf)$

symbol $a_{11} : (-0.0, inf)$

symbol $a_{22} : (-0.0, inf)$

symbol $b_1 : -0.0$

symbol $b_2 : -0.0$

symbol $a_{21} : (-inf, 0.0)$

$-c_2a_{11} + c_1a_{12} > 0$

$a_{11}a_{22} - a_{12}a_{21} > 0$

$c_1a_{22} - c_2a_{21} > 0$

$-a_{11}^3a_{22}^3 + 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} - 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 + a_{12}^3a_{21}^3 \geq 0$

$a_{11}^2a_{22}^2 - 2.00 \cdot a_{12}a_{11}a_{22}a_{21} + a_{12}^2a_{21}^2 > 0$

$$\begin{aligned}
& c_1 a_{11} a_{22}^2 - c_2 a_{11} a_{22} a_{21} - c_1 a_{12} a_{22} a_{21} + a_{12} c_2 a_{21}^2 \geq 0 \\
& a_{11}^3 a_{22}^3 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 > 0 \\
& -a_{11}^3 a_{22}^3 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + a_{12}^3 a_{21}^3 > 0 \\
& a_{11}^8 a_{22}^8 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 - \\
& 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + a_{12}^8 a_{21}^8 \geq 0 \\
& a_{11}^8 a_{22}^8 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 - \\
& 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + a_{12}^8 a_{21}^8 > 0
\end{aligned}$$

pot #68:

symbol a_{12} : $(-inf, 0.0)$

symbol c_1 : $(-inf, 0.0)$

symbol c_2 : $(-0.0, inf)$

symbol a_{11} : $(-0.0, inf)$

symbol a_{22} : $(-0.0, inf)$

symbol b_1 : $[-0.0, inf)$

symbol b_2 : -0.0

symbol a_{21} : $(-inf, 0.0)$

$$-c_2 a_{11} + c_1 a_{12} > 0$$

$$a_{11} a_{22} - a_{12} a_{21} > 0$$

$$c_1 a_{22} - c_2 a_{21} > 0$$

$$-a_{11}^3 a_{22}^3 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + a_{12}^3 a_{21}^3 \geq 0$$

$$a_{11}^2 a_{22}^2 - 2.00 \cdot a_{12} a_{11} a_{22} a_{21} + a_{12}^2 a_{21}^2 > 0$$

$$c_1 a_{11} a_{22}^2 - c_2 a_{11} a_{22} a_{21} - c_1 a_{12} a_{22} a_{21} + a_{12} c_2 a_{21}^2 \geq 0$$

$$-a_{11}^3 a_{22}^3 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + a_{12}^3 a_{21}^3 > 0$$

$$a_{11}^3 a_{22}^3 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 > 0$$

$$-a_{11}^8 a_{22}^8 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 + \\ 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - a_{12}^8 a_{21}^8 \geq 0$$

$$a_{11}^8 a_{22}^8 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 - \\ 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + a_{12}^8 a_{21}^8 > 0$$

pot #69:

symbol a_{12} : $(-inf, 0.0)$

symbol c_1 : $(-inf, 0.0)$

symbol c_2 : $(-0.0, inf)$

symbol a_{11} : $(-0.0, inf)$

symbol a_{22} : $(-0.0, inf)$

symbol b_1 : $[-0.0, inf)$

symbol b_2 : -0.0

symbol a_{21} : $(-inf, 0.0)$

$$-c_2 a_{11} + c_1 a_{12} > 0$$

$$a_{11} a_{22} - a_{12} a_{21} > 0$$

$$c_1 a_{22} - c_2 a_{21} > 0$$

$$-a_{11}^3 a_{22}^3 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + a_{12}^3 a_{21}^3 \geq 0$$

$$a_{11}^2 a_{22}^2 - 2.00 \cdot a_{12} a_{11} a_{22} a_{21} + a_{12}^2 a_{21}^2 > 0$$

$$c_1 a_{11} a_{22}^2 - c_2 a_{11} a_{22} a_{21} - c_1 a_{12} a_{22} a_{21} + a_{12} c_2 a_{21}^2 \geq 0$$

$$-a_{11}^3 a_{22}^3 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + a_{12}^3 a_{21}^3 > 0$$

$$a_{11}^3 a_{22}^3 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 > 0$$

$$a_{11}^8 a_{22}^8 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 - \\ 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + a_{12}^8 a_{21}^8 \geq 0$$

$$-a_{11}^8 a_{22}^8 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 + \\ 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - a_{12}^8 a_{21}^8 > 0$$

pot #70:

symbol $a_{12} : (-inf, 0.0)$
 symbol $c_1 : (-inf, 0.0)$
 symbol $c_2 : (-0.0, inf)$
 symbol $a_{11} : (-0.0, inf)$
 symbol $a_{22} : (-0.0, inf)$
 symbol $b_1 : -0.0$
 symbol $b_2 : -0.0$
 symbol $a_{21} : (-inf, 0.0)$
 $-c_2a_{11} + c_1a_{12} > 0$
 $a_{11}a_{22} - a_{12}a_{21} > 0$
 $c_1a_{22} - c_2a_{21} > 0$
 $-a_{11}^3a_{22}^3 + 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} - 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 + a_{12}^3a_{21}^3 \geq 0$
 $a_{11}^2a_{22}^2 - 2.00 \cdot a_{12}a_{11}a_{22}a_{21} + a_{12}^2a_{21}^2 > 0$
 $c_1a_{11}a_{22}^2 - c_2a_{11}a_{22}a_{21} - c_1a_{12}a_{22}a_{21} + a_{12}c_2a_{21}^2 \geq 0$
 $-a_{11}^3a_{22}^3 + 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} - 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 + a_{12}^3a_{21}^3 > 0$
 $a_{11}^3a_{22}^3 - 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} + 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 - a_{12}^3a_{21}^3 > 0$
 $-a_{11}^8a_{22}^8 + 8.00 \cdot a_{12}a_{11}^7a_{22}^7a_{21} - 28.00 \cdot a_{12}^2a_{11}^6a_{22}^6a_{21}^2 + 56.00 \cdot a_{12}^3a_{11}^5a_{22}^5a_{21}^3 - 70.00 \cdot a_{12}^4a_{11}^4a_{22}^4a_{21}^4 +$
 $56.00 \cdot a_{12}^5a_{11}^3a_{22}^3a_{21}^5 - 28.00 \cdot a_{12}^6a_{11}^2a_{22}^2a_{21}^6 + 8.00 \cdot a_{12}^7a_{11}a_{22}a_{21}^7 - a_{12}^8a_{21}^8 \geq 0$
 $-a_{11}^8a_{22}^8 + 8.00 \cdot a_{12}a_{11}^7a_{22}^7a_{21} - 28.00 \cdot a_{12}^2a_{11}^6a_{22}^6a_{21}^2 + 56.00 \cdot a_{12}^3a_{11}^5a_{22}^5a_{21}^3 - 70.00 \cdot a_{12}^4a_{11}^4a_{22}^4a_{21}^4 +$
 $56.00 \cdot a_{12}^5a_{11}^3a_{22}^3a_{21}^5 - 28.00 \cdot a_{12}^6a_{11}^2a_{22}^2a_{21}^6 + 8.00 \cdot a_{12}^7a_{11}a_{22}a_{21}^7 - a_{12}^8a_{21}^8 > 0$

pot #71:

symbol $a_{12} : (-inf, 0.0)$
 symbol $c_1 : (-inf, 0.0)$
 symbol $c_2 : (-0.0, inf)$
 symbol $a_{11} : (-0.0, inf)$
 symbol $a_{22} : (-0.0, inf)$
 symbol $b_1 : -0.0$
 symbol $b_2 : -0.0$
 symbol $a_{21} : (-inf, 0.0)$
 $-c_2a_{11} + c_1a_{12} > 0$
 $a_{11}a_{22} - a_{12}a_{21} > 0$
 $c_1a_{22} - c_2a_{21} > 0$
 $-a_{11}^3a_{22}^3 + 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} - 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 + a_{12}^3a_{21}^3 \geq 0$
 $a_{11}^2a_{22}^2 - 2.00 \cdot a_{12}a_{11}a_{22}a_{21} + a_{12}^2a_{21}^2 > 0$
 $c_1a_{11}a_{22}^2 - c_2a_{11}a_{22}a_{21} - c_1a_{12}a_{22}a_{21} + a_{12}c_2a_{21}^2 \geq 0$
 $-a_{11}^3a_{22}^3 + 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} - 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 + a_{12}^3a_{21}^3 > 0$
 $a_{11}^3a_{22}^3 - 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} + 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 - a_{12}^3a_{21}^3 > 0$
 $a_{11}^8a_{22}^8 - 8.00 \cdot a_{12}a_{11}^7a_{22}^7a_{21} + 28.00 \cdot a_{12}^2a_{11}^6a_{22}^6a_{21}^2 - 56.00 \cdot a_{12}^3a_{11}^5a_{22}^5a_{21}^3 + 70.00 \cdot a_{12}^4a_{11}^4a_{22}^4a_{21}^4 -$
 $56.00 \cdot a_{12}^5a_{11}^3a_{22}^3a_{21}^5 + 28.00 \cdot a_{12}^6a_{11}^2a_{22}^2a_{21}^6 - 8.00 \cdot a_{12}^7a_{11}a_{22}a_{21}^7 + a_{12}^8a_{21}^8 \geq 0$
 $a_{11}^8a_{22}^8 - 8.00 \cdot a_{12}a_{11}^7a_{22}^7a_{21} + 28.00 \cdot a_{12}^2a_{11}^6a_{22}^6a_{21}^2 - 56.00 \cdot a_{12}^3a_{11}^5a_{22}^5a_{21}^3 + 70.00 \cdot a_{12}^4a_{11}^4a_{22}^4a_{21}^4 -$
 $56.00 \cdot a_{12}^5a_{11}^3a_{22}^3a_{21}^5 + 28.00 \cdot a_{12}^6a_{11}^2a_{22}^2a_{21}^6 - 8.00 \cdot a_{12}^7a_{11}a_{22}a_{21}^7 + a_{12}^8a_{21}^8 > 0$

pot #72:

symbol $a_{12} : (-inf, 0.0)$
 symbol $c_1 : (-inf, 0.0)$
 symbol $c_2 : (-0.0, inf)$
 symbol $a_{11} : (-0.0, inf)$
 symbol $a_{22} : (-0.0, inf)$
 symbol $b_1 : [-0.0, inf)$
 symbol $b_2 : -0.0$
 symbol $a_{21} : (-inf, 0.0)$

$$-c_2a_{11} + c_1a_{12} > 0$$

$$a_{11}a_{22} - a_{12}a_{21} > 0$$

$$c_1a_{22} - c_2a_{21} > 0$$

$$-a_{11}^3a_{22}^3 + 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} - 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 + a_{12}^3a_{21}^3 \geq 0$$

$$a_{11}^2a_{22}^2 - 2.00 \cdot a_{12}a_{11}a_{22}a_{21} + a_{12}^2a_{21}^2 > 0$$

$$c_1a_{11}a_{22}^2 - c_2a_{11}a_{22}a_{21} - c_1a_{12}a_{22}a_{21} + a_{12}c_2a_{21}^2 \geq 0$$

$$-a_{11}^3a_{22}^3 + 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} - 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 + a_{12}^3a_{21}^3 > 0$$

$$-a_{11}^8a_{22}^8 + 8.00 \cdot a_{12}a_{11}^7a_{22}^7a_{21} - 28.00 \cdot a_{12}^2a_{11}^6a_{22}^6a_{21}^2 + 56.00 \cdot a_{12}^3a_{11}^5a_{22}^5a_{21}^3 - 70.00 \cdot a_{12}^4a_{11}^4a_{22}^4a_{21}^4 + 56.00 \cdot a_{12}^5a_{11}^3a_{22}^3a_{21}^5 - 28.00 \cdot a_{12}^6a_{11}^2a_{22}^2a_{21}^6 + 8.00 \cdot a_{12}^7a_{11}a_{22}a_{21}^7 - a_{12}^8a_{21}^8 \geq 0$$

$$a_{11}^8a_{22}^8 - 8.00 \cdot a_{12}a_{11}^7a_{22}^7a_{21} + 28.00 \cdot a_{12}^2a_{11}^6a_{22}^6a_{21}^2 - 56.00 \cdot a_{12}^3a_{11}^5a_{22}^5a_{21}^3 + 70.00 \cdot a_{12}^4a_{11}^4a_{22}^4a_{21}^4 - 56.00 \cdot a_{12}^5a_{11}^3a_{22}^3a_{21}^5 + 28.00 \cdot a_{12}^6a_{11}^2a_{22}^2a_{21}^6 - 8.00 \cdot a_{12}^7a_{11}a_{22}a_{21}^7 + a_{12}^8a_{21}^8 > 0$$

pot #73:

symbol a_{12} : $(-inf, 0.0)$

symbol c_1 : $(-inf, 0.0)$

symbol c_2 : $(-0.0, inf)$

symbol a_{11} : $(-0.0, inf)$

symbol a_{22} : $(-0.0, inf)$

symbol b_1 : $[-0.0, inf)$

symbol b_2 : -0.0

symbol a_{21} : $(-inf, 0.0)$

$$-c_2a_{11} + c_1a_{12} > 0$$

$$a_{11}a_{22} - a_{12}a_{21} > 0$$

$$c_1a_{22} - c_2a_{21} > 0$$

$$-a_{11}^3a_{22}^3 + 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} - 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 + a_{12}^3a_{21}^3 \geq 0$$

$$a_{11}^2a_{22}^2 - 2.00 \cdot a_{12}a_{11}a_{22}a_{21} + a_{12}^2a_{21}^2 > 0$$

$$c_1a_{11}a_{22}^2 - c_2a_{11}a_{22}a_{21} - c_1a_{12}a_{22}a_{21} + a_{12}c_2a_{21}^2 \geq 0$$

$$-a_{11}^3a_{22}^3 + 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} - 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 + a_{12}^3a_{21}^3 > 0$$

$$a_{11}^8a_{22}^8 - 8.00 \cdot a_{12}a_{11}^7a_{22}^7a_{21} + 28.00 \cdot a_{12}^2a_{11}^6a_{22}^6a_{21}^2 - 56.00 \cdot a_{12}^3a_{11}^5a_{22}^5a_{21}^3 + 70.00 \cdot a_{12}^4a_{11}^4a_{22}^4a_{21}^4 - 56.00 \cdot a_{12}^5a_{11}^3a_{22}^3a_{21}^5 + 28.00 \cdot a_{12}^6a_{11}^2a_{22}^2a_{21}^6 - 8.00 \cdot a_{12}^7a_{11}a_{22}a_{21}^7 + a_{12}^8a_{21}^8 \geq 0$$

$$-a_{11}^8a_{22}^8 + 8.00 \cdot a_{12}a_{11}^7a_{22}^7a_{21} - 28.00 \cdot a_{12}^2a_{11}^6a_{22}^6a_{21}^2 + 56.00 \cdot a_{12}^3a_{11}^5a_{22}^5a_{21}^3 - 70.00 \cdot a_{12}^4a_{11}^4a_{22}^4a_{21}^4 + 56.00 \cdot a_{12}^5a_{11}^3a_{22}^3a_{21}^5 - 28.00 \cdot a_{12}^6a_{11}^2a_{22}^2a_{21}^6 + 8.00 \cdot a_{12}^7a_{11}a_{22}a_{21}^7 - a_{12}^8a_{21}^8 > 0$$

pot #74:

symbol a_{12} : $(-inf, 0.0)$

symbol c_1 : $(-inf, 0.0)$

symbol c_2 : $(-0.0, inf)$

symbol a_{11} : $(-0.0, inf)$

symbol a_{22} : $(-0.0, inf)$

symbol b_1 : -0.0

symbol b_2 : -0.0

symbol a_{21} : $(-inf, 0.0)$

$$-c_2a_{11} + c_1a_{12} > 0$$

$$a_{11}a_{22} - a_{12}a_{21} > 0$$

$$c_1a_{22} - c_2a_{21} > 0$$

$$-a_{11}^3a_{22}^3 + 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} - 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 + a_{12}^3a_{21}^3 \geq 0$$

$$a_{11}^2a_{22}^2 - 2.00 \cdot a_{12}a_{11}a_{22}a_{21} + a_{12}^2a_{21}^2 > 0$$

$$c_1a_{11}a_{22}^2 - c_2a_{11}a_{22}a_{21} - c_1a_{12}a_{22}a_{21} + a_{12}c_2a_{21}^2 \geq 0$$

$$-a_{11}^3a_{22}^3 + 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} - 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 + a_{12}^3a_{21}^3 > 0$$

$$-a_{11}^8a_{22}^8 + 8.00 \cdot a_{12}a_{11}^7a_{22}^7a_{21} - 28.00 \cdot a_{12}^2a_{11}^6a_{22}^6a_{21}^2 + 56.00 \cdot a_{12}^3a_{11}^5a_{22}^5a_{21}^3 - 70.00 \cdot a_{12}^4a_{11}^4a_{22}^4a_{21}^4 + 56.00 \cdot a_{12}^5a_{11}^3a_{22}^3a_{21}^5 - 28.00 \cdot a_{12}^6a_{11}^2a_{22}^2a_{21}^6 + 8.00 \cdot a_{12}^7a_{11}a_{22}a_{21}^7 - a_{12}^8a_{21}^8 \geq 0$$

$$-a_{11}^8a_{22}^8 + 8.00 \cdot a_{12}a_{11}^7a_{22}^7a_{21} - 28.00 \cdot a_{12}^2a_{11}^6a_{22}^6a_{21}^2 + 56.00 \cdot a_{12}^3a_{11}^5a_{22}^5a_{21}^3 - 70.00 \cdot a_{12}^4a_{11}^4a_{22}^4a_{21}^4 +$$

$$56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - a_{12}^8 a_{21}^8 > 0$$

pot #75:

symbol a_{12} : $(-inf, 0.0)$

symbol c_1 : $(-inf, 0.0)$

symbol c_2 : $(-0.0, inf)$

symbol a_{11} : $(-0.0, inf)$

symbol a_{22} : $(-0.0, inf)$

symbol b_1 : -0.0

symbol b_2 : -0.0

symbol a_{21} : $(-inf, 0.0)$

$$-c_2 a_{11} + c_1 a_{12} > 0$$

$$a_{11} a_{22} - a_{12} a_{21} > 0$$

$$c_1 a_{22} - c_2 a_{21} > 0$$

$$-a_{11}^3 a_{22}^3 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + a_{12}^3 a_{21}^3 \geq 0$$

$$a_{11}^2 a_{22}^2 - 2.00 \cdot a_{12} a_{11} a_{22} a_{21} + a_{12}^2 a_{21}^2 > 0$$

$$c_1 a_{11} a_{22}^2 - c_2 a_{11} a_{22} a_{21} - c_1 a_{12} a_{22} a_{21} + a_{12} c_2 a_{21}^2 \geq 0$$

$$-a_{11}^3 a_{22}^3 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + a_{12}^3 a_{21}^3 > 0$$

$$a_{11}^8 a_{22}^8 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 -$$

$$56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + a_{12}^8 a_{21}^8 \geq 0$$

$$a_{11}^8 a_{22}^8 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 -$$

$$56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + a_{12}^8 a_{21}^8 > 0$$

pot #76:

symbol a_{12} : $(-inf, 0.0)$

symbol c_1 : $(-inf, 0.0)$

symbol c_2 : $(-0.0, inf)$

symbol a_{11} : $(-0.0, inf)$

symbol a_{22} : $(-0.0, inf)$

symbol b_1 : $[-0.0, inf)$

symbol b_2 : -0.0

symbol a_{21} : $(-inf, 0.0)$

$$-c_2 a_{11} + c_1 a_{12} > 0$$

$$a_{11} a_{22} - a_{12} a_{21} > 0$$

$$c_1 a_{22} - c_2 a_{21} > 0$$

$$-a_{11}^3 a_{22}^3 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + a_{12}^3 a_{21}^3 \geq 0$$

$$a_{11}^2 a_{22}^2 - 2.00 \cdot a_{12} a_{11} a_{22} a_{21} + a_{12}^2 a_{21}^2 > 0$$

$$c_1 a_{11} a_{22}^2 - c_2 a_{11} a_{22} a_{21} - c_1 a_{12} a_{22} a_{21} + a_{12} c_2 a_{21}^2 \geq 0$$

$$a_{11}^3 a_{22}^3 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 > 0$$

pot #77:

symbol a_{12} : $(-inf, 0.0)$

symbol c_1 : $(-inf, 0.0)$

symbol c_2 : $(-0.0, inf)$

symbol a_{11} : $(-0.0, inf)$

symbol a_{22} : $(-0.0, inf)$

symbol b_1 : $[-0.0, inf)$

symbol b_2 : -0.0

symbol a_{21} : $(-inf, 0.0)$

$$-c_2 a_{11} + c_1 a_{12} > 0$$

$$a_{11} a_{22} - a_{12} a_{21} > 0$$

$$c_1 a_{22} - c_2 a_{21} > 0$$

$$-a_{11}^3 a_{22}^3 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + a_{12}^3 a_{21}^3 \geq 0$$

Table #0.1.0.1

Moving out basis: x_1 from line: 1

Moving to basis: x_3

pots:

pot #0:

symbol a_{12} : $(-0.0, inf)$

symbol c_1 : $(-inf, 0.0)$

symbol c_2 : $(-inf, 0.0)$

symbol a_{11} : $(-0.0, inf)$

symbol a_{22} : $(-0.0, inf)$

symbol b_1 : $[-0.0, inf)$

symbol b_2 : $[-0.0, inf)$

symbol a_{21} : $(-0.0, inf)$

$$b_2 a_{11} - b_1 a_{21} \geq 0$$

$$-c_2 a_{11} + c_1 a_{12} > 0$$

$$a_{11} a_{22} - a_{12} a_{21} > 0$$

$$b_1 a_{22} - a_{12} b_2 \geq 0$$

$$c_1 a_{22} - c_2 a_{21} > 0$$

$$c_1 a_{11} a_{22}^2 - c_2 a_{11} a_{22} a_{21} - c_1 a_{12} a_{22} a_{21} + a_{12} c_2 a_{21}^2 \geq 0$$

$$a_{11}^3 a_{22}^3 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 > 0$$

$$-a_{11}^3 a_{22}^3 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + a_{12}^3 a_{21}^3 > 0$$

$$a_{11} a_{22} - a_{12} a_{21} \geq 0$$

pot #1:

symbol a_{12} : $(-0.0, inf)$

symbol c_1 : $(-inf, 0.0)$

symbol c_2 : $(-inf, 0.0)$

symbol a_{11} : $(-0.0, inf)$

symbol a_{22} : $(-0.0, inf)$

symbol b_1 : $[-0.0, inf)$

symbol b_2 : $[-0.0, inf)$

symbol a_{21} : $(-0.0, inf)$

$$b_2 a_{11} - b_1 a_{21} \geq 0$$

$$-c_2 a_{11} + c_1 a_{12} > 0$$

$$a_{11} a_{22} - a_{12} a_{21} > 0$$

$$b_1 a_{22} - a_{12} b_2 \geq 0$$

$$c_1 a_{22} - c_2 a_{21} > 0$$

$$c_1 a_{11} a_{22}^2 - c_2 a_{11} a_{22} a_{21} - c_1 a_{12} a_{22} a_{21} + a_{12} c_2 a_{21}^2 \geq 0$$

$$a_{11}^3 a_{22}^3 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 > 0$$

$$-a_{11}^3 a_{22}^3 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + a_{12}^3 a_{21}^3 > 0$$

$$a_{11} a_{22} - a_{12} a_{21} \geq 0$$

pot #2:

symbol a_{12} : $(-0.0, inf)$

symbol c_1 : $(-inf, 0.0)$

symbol c_2 : $(-inf, 0.0)$

symbol a_{11} : $(-0.0, inf)$

symbol a_{22} : $(-0.0, inf)$

symbol b_1 : $[-0.0, inf)$

symbol b_2 : $[-0.0, inf)$

symbol a_{21} : $(-0.0, inf)$

$$b_2 a_{11} - b_1 a_{21} \geq 0$$

$$-c_2 a_{11} + c_1 a_{12} > 0$$

$$a_{11} a_{22} - a_{12} a_{21} > 0$$

$$b_1 a_{22} - a_{12} b_2 \geq 0$$

$$c_1 a_{22} - c_2 a_{21} > 0$$

$$c_1 a_{11} a_{22}^2 - c_2 a_{11} a_{22} a_{21} - c_1 a_{12} a_{22} a_{21} + a_{12} c_2 a_{21}^2 \geq 0$$

$$-a_{11}^3 a_{22}^3 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + a_{12}^3 a_{21}^3 > 0$$

$$a_{11}^3 a_{22}^3 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 > 0$$

$$a_{11} a_{22} - a_{12} a_{21} \geq 0$$

pot #3:

$$\text{symbol } a_{12} : (-0.0, \text{inf})$$

$$\text{symbol } c_1 : (-\text{inf}, 0.0)$$

$$\text{symbol } c_2 : (-\text{inf}, 0.0)$$

$$\text{symbol } a_{11} : (-0.0, \text{inf})$$

$$\text{symbol } a_{22} : (-0.0, \text{inf})$$

$$\text{symbol } b_1 : [-0.0, \text{inf})$$

$$\text{symbol } b_2 : [-0.0, \text{inf})$$

$$\text{symbol } a_{21} : (-0.0, \text{inf})$$

$$b_2 a_{11} - b_1 a_{21} \geq 0$$

$$-c_2 a_{11} + c_1 a_{12} > 0$$

$$a_{11} a_{22} - a_{12} a_{21} > 0$$

$$b_1 a_{22} - a_{12} b_2 \geq 0$$

$$c_1 a_{22} - c_2 a_{21} > 0$$

$$c_1 a_{11} a_{22}^2 - c_2 a_{11} a_{22} a_{21} - c_1 a_{12} a_{22} a_{21} + a_{12} c_2 a_{21}^2 \geq 0$$

$$-a_{11}^3 a_{22}^3 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + a_{12}^3 a_{21}^3 > 0$$

$$a_{11}^3 a_{22}^3 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 > 0$$

$$a_{11} a_{22} - a_{12} a_{21} \geq 0$$

pot #4:

$$\text{symbol } a_{12} : (-\text{inf}, 0.0)$$

$$\text{symbol } c_1 : (-\text{inf}, 0.0)$$

$$\text{symbol } c_2 : (-0.0, \text{inf})$$

$$\text{symbol } a_{11} : (-0.0, \text{inf})$$

$$\text{symbol } a_{22} : (-0.0, \text{inf})$$

$$\text{symbol } b_1 : [-0.0, \text{inf})$$

$$\text{symbol } b_2 : [-0.0, \text{inf})$$

$$\text{symbol } a_{21} : (-\text{inf}, 0.0)$$

$$-c_2 a_{11} + c_1 a_{12} > 0$$

$$a_{11} a_{22} - a_{12} a_{21} > 0$$

$$c_1 a_{22} - c_2 a_{21} > 0$$

$$a_{11}^3 a_{22}^3 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 \geq 0$$

$$a_{11}^2 a_{22}^2 - 2.00 \cdot a_{12} a_{11} a_{22} a_{21} + a_{12}^2 a_{21}^2 > 0$$

$$c_1 a_{11} a_{22}^2 - c_2 a_{11} a_{22} a_{21} - c_1 a_{12} a_{22} a_{21} + a_{12} c_2 a_{21}^2 \geq 0$$

$$a_{11}^3 a_{22}^3 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 > 0$$

$$a_{11}^8 a_{22}^8 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 -$$

$$56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + a_{12}^8 a_{21}^8 \geq 0$$

$$a_{11}^8 a_{22}^8 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 -$$

$$56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + a_{12}^8 a_{21}^8 > 0$$

pot #5:

$$\text{symbol } a_{12} : (-\text{inf}, 0.0)$$

$$\text{symbol } c_1 : (-\text{inf}, 0.0)$$

symbol $c_2 : (-0.0, inf)$
symbol $a_{11} : (-0.0, inf)$
symbol $a_{22} : (-0.0, inf)$
symbol $b_1 : [-0.0, inf)$
symbol $b_2 : [-0.0, inf)$
symbol $a_{21} : (-inf, 0.0)$
 $-c_2 a_{11} + c_1 a_{12} > 0$
 $a_{11} a_{22} - a_{12} a_{21} > 0$
 $c_1 a_{22} - c_2 a_{21} > 0$
 $a_{11}^3 a_{22}^3 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 \geq 0$
 $a_{11}^2 a_{22}^2 - 2.00 \cdot a_{12} a_{11} a_{22} a_{21} + a_{12}^2 a_{21}^2 > 0$
 $c_1 a_{11} a_{22}^2 - c_2 a_{11} a_{22} a_{21} - c_1 a_{12} a_{22} a_{21} + a_{12} c_2 a_{21}^2 \geq 0$
 $a_{11}^3 a_{22}^3 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 > 0$
 $-a_{11}^8 a_{22}^8 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 +$
 $56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - a_{12}^8 a_{21}^8 \geq 0$
 $-a_{11}^8 a_{22}^8 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 +$
 $56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - a_{12}^8 a_{21}^8 > 0$
pot #6:
symbol $a_{12} : (-inf, 0.0)$
symbol $c_1 : (-inf, 0.0)$
symbol $c_2 : (-0.0, inf)$
symbol $a_{11} : (-0.0, inf)$
symbol $a_{22} : (-0.0, inf)$
symbol $b_1 : -0.0$
symbol $b_2 : [-0.0, inf)$
symbol $a_{21} : (-inf, 0.0)$
 $-c_2 a_{11} + c_1 a_{12} > 0$
 $a_{11} a_{22} - a_{12} a_{21} > 0$
 $c_1 a_{22} - c_2 a_{21} > 0$
 $a_{11}^3 a_{22}^3 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 \geq 0$
 $a_{11}^2 a_{22}^2 - 2.00 \cdot a_{12} a_{11} a_{22} a_{21} + a_{12}^2 a_{21}^2 > 0$
 $c_1 a_{11} a_{22}^2 - c_2 a_{11} a_{22} a_{21} - c_1 a_{12} a_{22} a_{21} + a_{12} c_2 a_{21}^2 \geq 0$
 $a_{11}^3 a_{22}^3 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 > 0$
 $a_{11}^8 a_{22}^8 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 -$
 $56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + a_{12}^8 a_{21}^8 \geq 0$
 $-a_{11}^8 a_{22}^8 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 +$
 $56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - a_{12}^8 a_{21}^8 > 0$
pot #7:
symbol $a_{12} : (-inf, 0.0)$
symbol $c_1 : (-inf, 0.0)$
symbol $c_2 : (-0.0, inf)$
symbol $a_{11} : (-0.0, inf)$
symbol $a_{22} : (-0.0, inf)$
symbol $b_1 : -0.0$
symbol $b_2 : [-0.0, inf)$
symbol $a_{21} : (-inf, 0.0)$
 $-c_2 a_{11} + c_1 a_{12} > 0$
 $a_{11} a_{22} - a_{12} a_{21} > 0$
 $c_1 a_{22} - c_2 a_{21} > 0$
 $a_{11}^3 a_{22}^3 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 \geq 0$

$$\begin{aligned}
& a_{11}^2 a_{22}^2 - 2.00 \cdot a_{12} a_{11} a_{22} a_{21} + a_{12}^2 a_{21}^2 > 0 \\
& c_1 a_{11} a_{22}^2 - c_2 a_{11} a_{22} a_{21} - c_1 a_{12} a_{22} a_{21} + a_{12} c_2 a_{21}^2 \geq 0 \\
& a_{11}^3 a_{22}^3 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 > 0 \\
& -a_{11}^8 a_{22}^8 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 + \\
& 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - a_{12}^8 a_{21}^8 \geq 0 \\
& a_{11}^8 a_{22}^8 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 - \\
& 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + a_{12}^8 a_{21}^8 > 0
\end{aligned}$$

pot #8:

$$\text{symbol } a_{12} : (-inf, 0.0)$$

$$\text{symbol } c_1 : (-inf, 0.0)$$

$$\text{symbol } c_2 : (-0.0, inf)$$

$$\text{symbol } a_{11} : (-0.0, inf)$$

$$\text{symbol } a_{22} : (-0.0, inf)$$

$$\text{symbol } b_1 : [-0.0, inf)$$

$$\text{symbol } b_2 : [-0.0, inf)$$

$$\text{symbol } a_{21} : (-inf, 0.0)$$

$$-c_2 a_{11} + c_1 a_{12} > 0$$

$$a_{11} a_{22} - a_{12} a_{21} > 0$$

$$c_1 a_{22} - c_2 a_{21} > 0$$

$$a_{11}^3 a_{22}^3 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 \geq 0$$

$$a_{11}^2 a_{22}^2 - 2.00 \cdot a_{12} a_{11} a_{22} a_{21} + a_{12}^2 a_{21}^2 > 0$$

$$c_1 a_{11} a_{22}^2 - c_2 a_{11} a_{22} a_{21} - c_1 a_{12} a_{22} a_{21} + a_{12} c_2 a_{21}^2 \geq 0$$

$$a_{11}^3 a_{22}^3 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 > 0$$

$$-a_{11}^3 a_{22}^3 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + a_{12}^3 a_{21}^3 > 0$$

$$a_{11}^8 a_{22}^8 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 -$$

$$56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + a_{12}^8 a_{21}^8 \geq 0$$

$$a_{11}^8 a_{22}^8 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 -$$

$$56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + a_{12}^8 a_{21}^8 > 0$$

pot #9:

$$\text{symbol } a_{12} : (-inf, 0.0)$$

$$\text{symbol } c_1 : (-inf, 0.0)$$

$$\text{symbol } c_2 : (-0.0, inf)$$

$$\text{symbol } a_{11} : (-0.0, inf)$$

$$\text{symbol } a_{22} : (-0.0, inf)$$

$$\text{symbol } b_1 : [-0.0, inf)$$

$$\text{symbol } b_2 : [-0.0, inf)$$

$$\text{symbol } a_{21} : (-inf, 0.0)$$

$$-c_2 a_{11} + c_1 a_{12} > 0$$

$$a_{11} a_{22} - a_{12} a_{21} > 0$$

$$c_1 a_{22} - c_2 a_{21} > 0$$

$$a_{11}^3 a_{22}^3 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 \geq 0$$

$$a_{11}^2 a_{22}^2 - 2.00 \cdot a_{12} a_{11} a_{22} a_{21} + a_{12}^2 a_{21}^2 > 0$$

$$c_1 a_{11} a_{22}^2 - c_2 a_{11} a_{22} a_{21} - c_1 a_{12} a_{22} a_{21} + a_{12} c_2 a_{21}^2 \geq 0$$

$$a_{11}^3 a_{22}^3 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 > 0$$

$$-a_{11}^3 a_{22}^3 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + a_{12}^3 a_{21}^3 > 0$$

$$-a_{11}^8 a_{22}^8 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 +$$

$$56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - a_{12}^8 a_{21}^8 \geq 0$$

$$-a_{11}^8 a_{22}^8 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 +$$

$$56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - a_{12}^8 a_{21}^8 > 0$$

pot #10:

symbol $a_{12} : (-inf, 0.0)$
 symbol $c_1 : (-inf, 0.0)$
 symbol $c_2 : (-0.0, inf)$
 symbol $a_{11} : (-0.0, inf)$
 symbol $a_{22} : (-0.0, inf)$
 symbol $b_1 : -0.0$
 symbol $b_2 : [-0.0, inf)$
 symbol $a_{21} : (-inf, 0.0)$
 $-c_2a_{11} + c_1a_{12} > 0$
 $a_{11}a_{22} - a_{12}a_{21} > 0$
 $c_1a_{22} - c_2a_{21} > 0$
 $a_{11}^3a_{22}^3 - 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} + 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 - a_{12}^3a_{21}^3 \geq 0$
 $a_{11}^2a_{22}^2 - 2.00 \cdot a_{12}a_{11}a_{22}a_{21} + a_{12}^2a_{21}^2 > 0$
 $c_1a_{11}a_{22}^2 - c_2a_{11}a_{22}a_{21} - c_1a_{12}a_{22}a_{21} + a_{12}c_2a_{21}^2 \geq 0$
 $a_{11}^3a_{22}^3 - 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} + 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 - a_{12}^3a_{21}^3 > 0$
 $-a_{11}^3a_{22}^3 + 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} - 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 + a_{12}^3a_{21}^3 > 0$
 $a_{11}^8a_{22}^8 - 8.00 \cdot a_{12}a_{11}^7a_{22}^7a_{21} + 28.00 \cdot a_{12}^2a_{11}^6a_{22}^6a_{21}^2 - 56.00 \cdot a_{12}^3a_{11}^5a_{22}^5a_{21}^3 + 70.00 \cdot a_{12}^4a_{11}^4a_{22}^4a_{21}^4 -$
 $56.00 \cdot a_{12}^5a_{11}^3a_{22}^3a_{21}^5 + 28.00 \cdot a_{12}^6a_{11}^2a_{22}^2a_{21}^6 - 8.00 \cdot a_{12}^7a_{11}a_{22}a_{21}^7 + a_{12}^8a_{21}^8 \geq 0$
 $-a_{11}^8a_{22}^8 + 8.00 \cdot a_{12}a_{11}^7a_{22}^7a_{21} - 28.00 \cdot a_{12}^2a_{11}^6a_{22}^6a_{21}^2 + 56.00 \cdot a_{12}^3a_{11}^5a_{22}^5a_{21}^3 - 70.00 \cdot a_{12}^4a_{11}^4a_{22}^4a_{21}^4 +$
 $56.00 \cdot a_{12}^5a_{11}^3a_{22}^3a_{21}^5 - 28.00 \cdot a_{12}^6a_{11}^2a_{22}^2a_{21}^6 + 8.00 \cdot a_{12}^7a_{11}a_{22}a_{21}^7 - a_{12}^8a_{21}^8 > 0$

pot #11:

symbol $a_{12} : (-inf, 0.0)$
 symbol $c_1 : (-inf, 0.0)$
 symbol $c_2 : (-0.0, inf)$
 symbol $a_{11} : (-0.0, inf)$
 symbol $a_{22} : (-0.0, inf)$
 symbol $b_1 : -0.0$
 symbol $b_2 : [-0.0, inf)$
 symbol $a_{21} : (-inf, 0.0)$
 $-c_2a_{11} + c_1a_{12} > 0$
 $a_{11}a_{22} - a_{12}a_{21} > 0$
 $c_1a_{22} - c_2a_{21} > 0$
 $a_{11}^3a_{22}^3 - 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} + 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 - a_{12}^3a_{21}^3 \geq 0$
 $a_{11}^2a_{22}^2 - 2.00 \cdot a_{12}a_{11}a_{22}a_{21} + a_{12}^2a_{21}^2 > 0$
 $c_1a_{11}a_{22}^2 - c_2a_{11}a_{22}a_{21} - c_1a_{12}a_{22}a_{21} + a_{12}c_2a_{21}^2 \geq 0$
 $a_{11}^3a_{22}^3 - 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} + 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 - a_{12}^3a_{21}^3 > 0$
 $-a_{11}^3a_{22}^3 + 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} - 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 + a_{12}^3a_{21}^3 > 0$
 $-a_{11}^8a_{22}^8 + 8.00 \cdot a_{12}a_{11}^7a_{22}^7a_{21} - 28.00 \cdot a_{12}^2a_{11}^6a_{22}^6a_{21}^2 + 56.00 \cdot a_{12}^3a_{11}^5a_{22}^5a_{21}^3 - 70.00 \cdot a_{12}^4a_{11}^4a_{22}^4a_{21}^4 +$
 $56.00 \cdot a_{12}^5a_{11}^3a_{22}^3a_{21}^5 - 28.00 \cdot a_{12}^6a_{11}^2a_{22}^2a_{21}^6 + 8.00 \cdot a_{12}^7a_{11}a_{22}a_{21}^7 - a_{12}^8a_{21}^8 \geq 0$
 $a_{11}^8a_{22}^8 - 8.00 \cdot a_{12}a_{11}^7a_{22}^7a_{21} + 28.00 \cdot a_{12}^2a_{11}^6a_{22}^6a_{21}^2 - 56.00 \cdot a_{12}^3a_{11}^5a_{22}^5a_{21}^3 + 70.00 \cdot a_{12}^4a_{11}^4a_{22}^4a_{21}^4 -$
 $56.00 \cdot a_{12}^5a_{11}^3a_{22}^3a_{21}^5 + 28.00 \cdot a_{12}^6a_{11}^2a_{22}^2a_{21}^6 - 8.00 \cdot a_{12}^7a_{11}a_{22}a_{21}^7 + a_{12}^8a_{21}^8 > 0$

pot #12:

symbol $a_{12} : (-inf, 0.0)$
 symbol $c_1 : (-inf, 0.0)$
 symbol $c_2 : (-0.0, inf)$
 symbol $a_{11} : (-0.0, inf)$
 symbol $a_{22} : (-0.0, inf)$
 symbol $b_1 : [-0.0, inf)$
 symbol $b_2 : [-0.0, inf)$
 symbol $a_{21} : (-inf, 0.0)$

$$-c_2 a_{11} + c_1 a_{12} > 0$$

$$a_{11} a_{22} - a_{12} a_{21} > 0$$

$$c_1 a_{22} - c_2 a_{21} > 0$$

$$a_{11}^3 a_{22}^3 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 \geq 0$$

$$a_{11}^2 a_{22}^2 - 2.00 \cdot a_{12} a_{11} a_{22} a_{21} + a_{12}^2 a_{21}^2 > 0$$

$$c_1 a_{11} a_{22}^2 - c_2 a_{11} a_{22} a_{21} - c_1 a_{12} a_{22} a_{21} + a_{12} c_2 a_{21}^2 \geq 0$$

$$-a_{11}^3 a_{22}^3 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + a_{12}^3 a_{21}^3 > 0$$

$$a_{11}^3 a_{22}^3 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 > 0$$

$$a_{11}^8 a_{22}^8 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 -$$

$$56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + a_{12}^8 a_{21}^8 \geq 0$$

$$a_{11}^8 a_{22}^8 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 -$$

$$56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + a_{12}^8 a_{21}^8 > 0$$

pot #13:

symbol a_{12} : $(-inf, 0.0)$

symbol c_1 : $(-inf, 0.0)$

symbol c_2 : $(-0.0, inf)$

symbol a_{11} : $(-0.0, inf)$

symbol a_{22} : $(-0.0, inf)$

symbol b_1 : $[-0.0, inf)$

symbol b_2 : $[-0.0, inf)$

symbol a_{21} : $(-inf, 0.0)$

$$-c_2 a_{11} + c_1 a_{12} > 0$$

$$a_{11} a_{22} - a_{12} a_{21} > 0$$

$$c_1 a_{22} - c_2 a_{21} > 0$$

$$a_{11}^3 a_{22}^3 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 \geq 0$$

$$a_{11}^2 a_{22}^2 - 2.00 \cdot a_{12} a_{11} a_{22} a_{21} + a_{12}^2 a_{21}^2 > 0$$

$$c_1 a_{11} a_{22}^2 - c_2 a_{11} a_{22} a_{21} - c_1 a_{12} a_{22} a_{21} + a_{12} c_2 a_{21}^2 \geq 0$$

$$-a_{11}^3 a_{22}^3 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + a_{12}^3 a_{21}^3 > 0$$

$$a_{11}^3 a_{22}^3 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 > 0$$

$$-a_{11}^8 a_{22}^8 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 +$$

$$56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - a_{12}^8 a_{21}^8 \geq 0$$

$$-a_{11}^8 a_{22}^8 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 +$$

$$56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - a_{12}^8 a_{21}^8 > 0$$

pot #14:

symbol a_{12} : $(-inf, 0.0)$

symbol c_1 : $(-inf, 0.0)$

symbol c_2 : $(-0.0, inf)$

symbol a_{11} : $(-0.0, inf)$

symbol a_{22} : $(-0.0, inf)$

symbol b_1 : -0.0

symbol b_2 : $[-0.0, inf)$

symbol a_{21} : $(-inf, 0.0)$

$$-c_2 a_{11} + c_1 a_{12} > 0$$

$$a_{11} a_{22} - a_{12} a_{21} > 0$$

$$c_1 a_{22} - c_2 a_{21} > 0$$

$$a_{11}^3 a_{22}^3 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 \geq 0$$

$$a_{11}^2 a_{22}^2 - 2.00 \cdot a_{12} a_{11} a_{22} a_{21} + a_{12}^2 a_{21}^2 > 0$$

$$c_1 a_{11} a_{22}^2 - c_2 a_{11} a_{22} a_{21} - c_1 a_{12} a_{22} a_{21} + a_{12} c_2 a_{21}^2 \geq 0$$

$$-a_{11}^3 a_{22}^3 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + a_{12}^3 a_{21}^3 > 0$$

$$a_{11}^3 a_{22}^3 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 > 0$$

$$\begin{aligned}
& a_{11}^8 a_{22}^8 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 - \\
& 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + a_{12}^8 a_{21}^8 \geq 0 \\
& -a_{11}^8 a_{22}^8 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 + \\
& 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - a_{12}^8 a_{21}^8 > 0
\end{aligned}$$

pot #15:

symbol a_{12} : $(-inf, 0.0)$

symbol c_1 : $(-inf, 0.0)$

symbol c_2 : $(-0.0, inf)$

symbol a_{11} : $(-0.0, inf)$

symbol a_{22} : $(-0.0, inf)$

symbol b_1 : -0.0

symbol b_2 : $[-0.0, inf)$

symbol a_{21} : $(-inf, 0.0)$

$$-c_2 a_{11} + c_1 a_{12} > 0$$

$$a_{11} a_{22} - a_{12} a_{21} > 0$$

$$c_1 a_{22} - c_2 a_{21} > 0$$

$$a_{11}^3 a_{22}^3 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 \geq 0$$

$$a_{11}^2 a_{22}^2 - 2.00 \cdot a_{12} a_{11} a_{22} a_{21} + a_{12}^2 a_{21}^2 > 0$$

$$c_1 a_{11} a_{22}^2 - c_2 a_{11} a_{22} a_{21} - c_1 a_{12} a_{22} a_{21} + a_{12} c_2 a_{21}^2 \geq 0$$

$$-a_{11}^3 a_{22}^3 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + a_{12}^3 a_{21}^3 > 0$$

$$a_{11}^3 a_{22}^3 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 > 0$$

$$-a_{11}^8 a_{22}^8 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 +$$

$$56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - a_{12}^8 a_{21}^8 \geq 0$$

$$a_{11}^8 a_{22}^8 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 -$$

$$56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + a_{12}^8 a_{21}^8 > 0$$

pot #16:

symbol a_{12} : $(-inf, 0.0)$

symbol c_1 : $(-inf, 0.0)$

symbol c_2 : $(-0.0, inf)$

symbol a_{11} : $(-0.0, inf)$

symbol a_{22} : $(-0.0, inf)$

symbol b_1 : $[-0.0, inf)$

symbol b_2 : $[-0.0, inf)$

symbol a_{21} : $(-inf, 0.0)$

$$-c_2 a_{11} + c_1 a_{12} > 0$$

$$a_{11} a_{22} - a_{12} a_{21} > 0$$

$$c_1 a_{22} - c_2 a_{21} > 0$$

$$a_{11}^3 a_{22}^3 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 \geq 0$$

$$a_{11}^2 a_{22}^2 - 2.00 \cdot a_{12} a_{11} a_{22} a_{21} + a_{12}^2 a_{21}^2 > 0$$

$$c_1 a_{11} a_{22}^2 - c_2 a_{11} a_{22} a_{21} - c_1 a_{12} a_{22} a_{21} + a_{12} c_2 a_{21}^2 \geq 0$$

$$-a_{11}^3 a_{22}^3 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + a_{12}^3 a_{21}^3 > 0$$

$$a_{11}^8 a_{22}^8 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 -$$

$$56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + a_{12}^8 a_{21}^8 \geq 0$$

$$a_{11}^8 a_{22}^8 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 -$$

$$56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + a_{12}^8 a_{21}^8 > 0$$

pot #17:

symbol a_{12} : $(-inf, 0.0)$

symbol c_1 : $(-inf, 0.0)$

symbol c_2 : $(-0.0, inf)$

symbol a_{11} : $(-0.0, inf)$

symbol $a_{22} : (-0.0, inf)$

symbol $b_1 : [-0.0, inf)$

symbol $b_2 : [-0.0, inf)$

symbol $a_{21} : (-inf, 0.0)$

$$-c_2 a_{11} + c_1 a_{12} > 0$$

$$a_{11} a_{22} - a_{12} a_{21} > 0$$

$$c_1 a_{22} - c_2 a_{21} > 0$$

$$a_{11}^3 a_{22}^3 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 \geq 0$$

$$a_{11}^2 a_{22}^2 - 2.00 \cdot a_{12} a_{11} a_{22} a_{21} + a_{12}^2 a_{21}^2 > 0$$

$$c_1 a_{11} a_{22}^2 - c_2 a_{11} a_{22} a_{21} - c_1 a_{12} a_{22} a_{21} + a_{12} c_2 a_{21}^2 \geq 0$$

$$-a_{11}^3 a_{22}^3 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + a_{12}^3 a_{21}^3 > 0$$

$$-a_{11}^8 a_{22}^8 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 + 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - a_{12}^8 a_{21}^8 \geq 0$$

$$-a_{11}^8 a_{22}^8 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 + 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - a_{12}^8 a_{21}^8 > 0$$

pot #18:

symbol $a_{12} : (-inf, 0.0)$

symbol $c_1 : (-inf, 0.0)$

symbol $c_2 : (-0.0, inf)$

symbol $a_{11} : (-0.0, inf)$

symbol $a_{22} : (-0.0, inf)$

symbol $b_1 : -0.0$

symbol $b_2 : [-0.0, inf)$

symbol $a_{21} : (-inf, 0.0)$

$$-c_2 a_{11} + c_1 a_{12} > 0$$

$$a_{11} a_{22} - a_{12} a_{21} > 0$$

$$c_1 a_{22} - c_2 a_{21} > 0$$

$$a_{11}^3 a_{22}^3 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 \geq 0$$

$$a_{11}^2 a_{22}^2 - 2.00 \cdot a_{12} a_{11} a_{22} a_{21} + a_{12}^2 a_{21}^2 > 0$$

$$c_1 a_{11} a_{22}^2 - c_2 a_{11} a_{22} a_{21} - c_1 a_{12} a_{22} a_{21} + a_{12} c_2 a_{21}^2 \geq 0$$

$$-a_{11}^3 a_{22}^3 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + a_{12}^3 a_{21}^3 > 0$$

$$a_{11}^8 a_{22}^8 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 - 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + a_{12}^8 a_{21}^8 \geq 0$$

$$-a_{11}^8 a_{22}^8 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 + 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - a_{12}^8 a_{21}^8 > 0$$

pot #19:

symbol $a_{12} : (-inf, 0.0)$

symbol $c_1 : (-inf, 0.0)$

symbol $c_2 : (-0.0, inf)$

symbol $a_{11} : (-0.0, inf)$

symbol $a_{22} : (-0.0, inf)$

symbol $b_1 : -0.0$

symbol $b_2 : [-0.0, inf)$

symbol $a_{21} : (-inf, 0.0)$

$$-c_2 a_{11} + c_1 a_{12} > 0$$

$$a_{11} a_{22} - a_{12} a_{21} > 0$$

$$c_1 a_{22} - c_2 a_{21} > 0$$

$$a_{11}^3 a_{22}^3 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 \geq 0$$

$$a_{11}^2 a_{22}^2 - 2.00 \cdot a_{12} a_{11} a_{22} a_{21} + a_{12}^2 a_{21}^2 > 0$$

$$c_1 a_{11} a_{22}^2 - c_2 a_{11} a_{22} a_{21} - c_1 a_{12} a_{22} a_{21} + a_{12} c_2 a_{21}^2 \geq 0$$

$$\begin{aligned}
& -a_{11}^3 a_{22}^3 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + a_{12}^3 a_{21}^3 > 0 \\
& -a_{11}^8 a_{22}^8 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 + \\
& 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - a_{12}^8 a_{21}^8 \geq 0 \\
& a_{11}^8 a_{22}^8 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 - \\
& 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + a_{12}^8 a_{21}^8 > 0
\end{aligned}$$

pot #20:

symbol a_{12} : $(-inf, 0.0)$

symbol c_1 : $(-inf, 0.0)$

symbol c_2 : $(-0.0, inf)$

symbol a_{11} : $(-0.0, inf)$

symbol a_{22} : $(-0.0, inf)$

symbol b_1 : $[-0.0, inf)$

symbol b_2 : $[-0.0, inf)$

symbol a_{21} : $(-inf, 0.0)$

$$-c_2 a_{11} + c_1 a_{12} > 0$$

$$a_{11} a_{22} - a_{12} a_{21} > 0$$

$$c_1 a_{22} - c_2 a_{21} > 0$$

$$-a_{11}^3 a_{22}^3 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + a_{12}^3 a_{21}^3 \geq 0$$

$$-a_{11}^2 a_{22}^2 + 2.00 \cdot a_{12} a_{11} a_{22} a_{21} - a_{12}^2 a_{21}^2 > 0$$

$$c_1 a_{11} a_{22}^2 - c_2 a_{11} a_{22} a_{21} - c_1 a_{12} a_{22} a_{21} + a_{12} c_2 a_{21}^2 \geq 0$$

$$a_{11}^3 a_{22}^3 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 > 0$$

$$a_{11}^8 a_{22}^8 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 -$$

$$56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + a_{12}^8 a_{21}^8 \geq 0$$

$$a_{11}^8 a_{22}^8 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 -$$

$$56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + a_{12}^8 a_{21}^8 > 0$$

pot #21:

symbol a_{12} : $(-inf, 0.0)$

symbol c_1 : $(-inf, 0.0)$

symbol c_2 : $(-0.0, inf)$

symbol a_{11} : $(-0.0, inf)$

symbol a_{22} : $(-0.0, inf)$

symbol b_1 : $[-0.0, inf)$

symbol b_2 : $[-0.0, inf)$

symbol a_{21} : $(-inf, 0.0)$

$$-c_2 a_{11} + c_1 a_{12} > 0$$

$$a_{11} a_{22} - a_{12} a_{21} > 0$$

$$c_1 a_{22} - c_2 a_{21} > 0$$

$$-a_{11}^3 a_{22}^3 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + a_{12}^3 a_{21}^3 \geq 0$$

$$-a_{11}^2 a_{22}^2 + 2.00 \cdot a_{12} a_{11} a_{22} a_{21} - a_{12}^2 a_{21}^2 > 0$$

$$c_1 a_{11} a_{22}^2 - c_2 a_{11} a_{22} a_{21} - c_1 a_{12} a_{22} a_{21} + a_{12} c_2 a_{21}^2 \geq 0$$

$$a_{11}^3 a_{22}^3 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 > 0$$

$$-a_{11}^8 a_{22}^8 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 +$$

$$56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - a_{12}^8 a_{21}^8 \geq 0$$

$$-a_{11}^8 a_{22}^8 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 +$$

$$56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - a_{12}^8 a_{21}^8 > 0$$

pot #22:

symbol a_{12} : $(-inf, 0.0)$

symbol c_1 : $(-inf, 0.0)$

symbol c_2 : $(-0.0, inf)$

symbol a_{11} : $(-0.0, inf)$

symbol $a_{22} : (-0.0, inf)$

symbol $b_1 : -0.0$

symbol $b_2 : [-0.0, inf)$

symbol $a_{21} : (-inf, 0.0)$

$$-c_2 a_{11} + c_1 a_{12} > 0$$

$$a_{11} a_{22} - a_{12} a_{21} > 0$$

$$c_1 a_{22} - c_2 a_{21} > 0$$

$$-a_{11}^3 a_{22}^3 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + a_{12}^3 a_{21}^3 \geq 0$$

$$-a_{11}^2 a_{22}^2 + 2.00 \cdot a_{12} a_{11} a_{22} a_{21} - a_{12}^2 a_{21}^2 > 0$$

$$c_1 a_{11} a_{22}^2 - c_2 a_{11} a_{22} a_{21} - c_1 a_{12} a_{22} a_{21} + a_{12} c_2 a_{21}^2 \geq 0$$

$$a_{11}^3 a_{22}^3 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 > 0$$

$$a_{11}^8 a_{22}^8 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 -$$

$$56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + a_{12}^8 a_{21}^8 \geq 0$$

$$-a_{11}^8 a_{22}^8 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 +$$

$$56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - a_{12}^8 a_{21}^8 > 0$$

pot #23:

symbol $a_{12} : (-inf, 0.0)$

symbol $c_1 : (-inf, 0.0)$

symbol $c_2 : (-0.0, inf)$

symbol $a_{11} : (-0.0, inf)$

symbol $a_{22} : (-0.0, inf)$

symbol $b_1 : -0.0$

symbol $b_2 : [-0.0, inf)$

symbol $a_{21} : (-inf, 0.0)$

$$-c_2 a_{11} + c_1 a_{12} > 0$$

$$a_{11} a_{22} - a_{12} a_{21} > 0$$

$$c_1 a_{22} - c_2 a_{21} > 0$$

$$-a_{11}^3 a_{22}^3 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + a_{12}^3 a_{21}^3 \geq 0$$

$$-a_{11}^2 a_{22}^2 + 2.00 \cdot a_{12} a_{11} a_{22} a_{21} - a_{12}^2 a_{21}^2 > 0$$

$$c_1 a_{11} a_{22}^2 - c_2 a_{11} a_{22} a_{21} - c_1 a_{12} a_{22} a_{21} + a_{12} c_2 a_{21}^2 \geq 0$$

$$a_{11}^3 a_{22}^3 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 > 0$$

$$-a_{11}^8 a_{22}^8 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 +$$

$$56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - a_{12}^8 a_{21}^8 \geq 0$$

$$a_{11}^8 a_{22}^8 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 -$$

$$56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + a_{12}^8 a_{21}^8 > 0$$

pot #24:

symbol $a_{12} : (-inf, 0.0)$

symbol $c_1 : (-inf, 0.0)$

symbol $c_2 : (-0.0, inf)$

symbol $a_{11} : (-0.0, inf)$

symbol $a_{22} : (-0.0, inf)$

symbol $b_1 : [-0.0, inf)$

symbol $b_2 : [-0.0, inf)$

symbol $a_{21} : (-inf, 0.0)$

$$-c_2 a_{11} + c_1 a_{12} > 0$$

$$a_{11} a_{22} - a_{12} a_{21} > 0$$

$$c_1 a_{22} - c_2 a_{21} > 0$$

$$-a_{11}^3 a_{22}^3 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + a_{12}^3 a_{21}^3 \geq 0$$

$$-a_{11}^2 a_{22}^2 + 2.00 \cdot a_{12} a_{11} a_{22} a_{21} - a_{12}^2 a_{21}^2 > 0$$

$$c_1 a_{11} a_{22}^2 - c_2 a_{11} a_{22} a_{21} - c_1 a_{12} a_{22} a_{21} + a_{12} c_2 a_{21}^2 \geq 0$$

$$\begin{aligned}
& a_{11}^3 a_{22}^3 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 > 0 \\
& -a_{11}^3 a_{22}^3 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + a_{12}^3 a_{21}^3 > 0 \\
& a_{11}^8 a_{22}^8 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 - \\
& 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + a_{12}^8 a_{21}^8 \geq 0 \\
& a_{11}^8 a_{22}^8 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 - \\
& 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + a_{12}^8 a_{21}^8 > 0
\end{aligned}$$

pot #25:

symbol a_{12} : $(-inf, 0.0)$

symbol c_1 : $(-inf, 0.0)$

symbol c_2 : $(-0.0, inf)$

symbol a_{11} : $(-0.0, inf)$

symbol a_{22} : $(-0.0, inf)$

symbol b_1 : $[-0.0, inf)$

symbol b_2 : $[-0.0, inf)$

symbol a_{21} : $(-inf, 0.0)$

$$-c_2 a_{11} + c_1 a_{12} > 0$$

$$a_{11} a_{22} - a_{12} a_{21} > 0$$

$$c_1 a_{22} - c_2 a_{21} > 0$$

$$-a_{11}^3 a_{22}^3 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + a_{12}^3 a_{21}^3 \geq 0$$

$$-a_{11}^2 a_{22}^2 + 2.00 \cdot a_{12} a_{11} a_{22} a_{21} - a_{12}^2 a_{21}^2 > 0$$

$$c_1 a_{11} a_{22}^2 - c_2 a_{11} a_{22} a_{21} - c_1 a_{12} a_{22} a_{21} + a_{12} c_2 a_{21}^2 \geq 0$$

$$a_{11}^3 a_{22}^3 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 > 0$$

$$-a_{11}^3 a_{22}^3 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + a_{12}^3 a_{21}^3 > 0$$

$$-a_{11}^8 a_{22}^8 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 +$$

$$56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - a_{12}^8 a_{21}^8 \geq 0$$

$$-a_{11}^8 a_{22}^8 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 +$$

$$56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - a_{12}^8 a_{21}^8 > 0$$

pot #26:

symbol a_{12} : $(-inf, 0.0)$

symbol c_1 : $(-inf, 0.0)$

symbol c_2 : $(-0.0, inf)$

symbol a_{11} : $(-0.0, inf)$

symbol a_{22} : $(-0.0, inf)$

symbol b_1 : -0.0

symbol b_2 : $[-0.0, inf)$

symbol a_{21} : $(-inf, 0.0)$

$$-c_2 a_{11} + c_1 a_{12} > 0$$

$$a_{11} a_{22} - a_{12} a_{21} > 0$$

$$c_1 a_{22} - c_2 a_{21} > 0$$

$$-a_{11}^3 a_{22}^3 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + a_{12}^3 a_{21}^3 \geq 0$$

$$-a_{11}^2 a_{22}^2 + 2.00 \cdot a_{12} a_{11} a_{22} a_{21} - a_{12}^2 a_{21}^2 > 0$$

$$c_1 a_{11} a_{22}^2 - c_2 a_{11} a_{22} a_{21} - c_1 a_{12} a_{22} a_{21} + a_{12} c_2 a_{21}^2 \geq 0$$

$$a_{11}^3 a_{22}^3 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 > 0$$

$$-a_{11}^3 a_{22}^3 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + a_{12}^3 a_{21}^3 > 0$$

$$a_{11}^8 a_{22}^8 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 -$$

$$56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + a_{12}^8 a_{21}^8 \geq 0$$

$$-a_{11}^8 a_{22}^8 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 +$$

$$56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - a_{12}^8 a_{21}^8 > 0$$

pot #27:

symbol a_{12} : $(-inf, 0.0)$

symbol $c_1 : (-inf, 0.0)$
symbol $c_2 : (-0.0, inf)$
symbol $a_{11} : (-0.0, inf)$
symbol $a_{22} : (-0.0, inf)$
symbol $b_1 : -0.0$
symbol $b_2 : [-0.0, inf)$
symbol $a_{21} : (-inf, 0.0)$
 $-c_2 a_{11} + c_1 a_{12} > 0$
 $a_{11} a_{22} - a_{12} a_{21} > 0$
 $c_1 a_{22} - c_2 a_{21} > 0$
 $-a_{11}^3 a_{22}^3 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + a_{12}^3 a_{21}^3 \geq 0$
 $-a_{11}^2 a_{22}^2 + 2.00 \cdot a_{12} a_{11} a_{22} a_{21} - a_{12}^2 a_{21}^2 > 0$
 $c_1 a_{11} a_{22}^2 - c_2 a_{11} a_{22} a_{21} - c_1 a_{12} a_{22} a_{21} + a_{12} c_2 a_{21}^2 \geq 0$
 $a_{11}^3 a_{22}^3 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 > 0$
 $-a_{11}^3 a_{22}^3 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + a_{12}^3 a_{21}^3 > 0$
 $-a_{11}^8 a_{22}^8 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 +$
 $56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - a_{12}^8 a_{21}^8 \geq 0$
 $a_{11}^8 a_{22}^8 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 -$
 $56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + a_{12}^8 a_{21}^8 > 0$
pot #28:
symbol $a_{12} : (-inf, 0.0)$
symbol $c_1 : (-inf, 0.0)$
symbol $c_2 : (-0.0, inf)$
symbol $a_{11} : (-0.0, inf)$
symbol $a_{22} : (-0.0, inf)$
symbol $b_1 : [-0.0, inf)$
symbol $b_2 : [-0.0, inf)$
symbol $a_{21} : (-inf, 0.0)$
 $-c_2 a_{11} + c_1 a_{12} > 0$
 $a_{11} a_{22} - a_{12} a_{21} > 0$
 $c_1 a_{22} - c_2 a_{21} > 0$
 $-a_{11}^3 a_{22}^3 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + a_{12}^3 a_{21}^3 \geq 0$
 $-a_{11}^2 a_{22}^2 + 2.00 \cdot a_{12} a_{11} a_{22} a_{21} - a_{12}^2 a_{21}^2 > 0$
 $c_1 a_{11} a_{22}^2 - c_2 a_{11} a_{22} a_{21} - c_1 a_{12} a_{22} a_{21} + a_{12} c_2 a_{21}^2 \geq 0$
 $-a_{11}^3 a_{22}^3 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + a_{12}^3 a_{21}^3 > 0$
 $a_{11}^3 a_{22}^3 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 > 0$
 $a_{11}^8 a_{22}^8 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 -$
 $56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + a_{12}^8 a_{21}^8 \geq 0$
 $a_{11}^8 a_{22}^8 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 -$
 $56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + a_{12}^8 a_{21}^8 > 0$
pot #29:
symbol $a_{12} : (-inf, 0.0)$
symbol $c_1 : (-inf, 0.0)$
symbol $c_2 : (-0.0, inf)$
symbol $a_{11} : (-0.0, inf)$
symbol $a_{22} : (-0.0, inf)$
symbol $b_1 : [-0.0, inf)$
symbol $b_2 : [-0.0, inf)$
symbol $a_{21} : (-inf, 0.0)$
 $-c_2 a_{11} + c_1 a_{12} > 0$

$$a_{11}a_{22} - a_{12}a_{21} > 0$$

$$c_1a_{22} - c_2a_{21} > 0$$

$$-a_{11}^3a_{22}^3 + 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} - 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 + a_{12}^3a_{21}^3 \geq 0$$

$$-a_{11}^2a_{22}^2 + 2.00 \cdot a_{12}a_{11}a_{22}a_{21} - a_{12}^2a_{21}^2 > 0$$

$$c_1a_{11}a_{22}^2 - c_2a_{11}a_{22}a_{21} - c_1a_{12}a_{22}a_{21} + a_{12}c_2a_{21}^2 \geq 0$$

$$-a_{11}^3a_{22}^3 + 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} - 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 + a_{12}^3a_{21}^3 > 0$$

$$a_{11}^3a_{22}^3 - 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} + 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 - a_{12}^3a_{21}^3 > 0$$

$$-a_{11}^8a_{22}^8 + 8.00 \cdot a_{12}a_{11}^7a_{22}^7a_{21} - 28.00 \cdot a_{12}^2a_{11}^6a_{22}^6a_{21}^2 + 56.00 \cdot a_{12}^3a_{11}^5a_{22}^5a_{21}^3 - 70.00 \cdot a_{12}^4a_{11}^4a_{22}^4a_{21}^4 + 56.00 \cdot a_{12}^5a_{11}^3a_{22}^3a_{21}^5 - 28.00 \cdot a_{12}^6a_{11}^2a_{22}^2a_{21}^6 + 8.00 \cdot a_{12}^7a_{11}a_{22}a_{21}^7 - a_{12}^8a_{21}^8 \geq 0$$

$$-a_{11}^8a_{22}^8 + 8.00 \cdot a_{12}a_{11}^7a_{22}^7a_{21} - 28.00 \cdot a_{12}^2a_{11}^6a_{22}^6a_{21}^2 + 56.00 \cdot a_{12}^3a_{11}^5a_{22}^5a_{21}^3 - 70.00 \cdot a_{12}^4a_{11}^4a_{22}^4a_{21}^4 + 56.00 \cdot a_{12}^5a_{11}^3a_{22}^3a_{21}^5 - 28.00 \cdot a_{12}^6a_{11}^2a_{22}^2a_{21}^6 + 8.00 \cdot a_{12}^7a_{11}a_{22}a_{21}^7 - a_{12}^8a_{21}^8 > 0$$

pot #30:

symbol a_{12} : $(-inf, 0.0)$

symbol c_1 : $(-inf, 0.0)$

symbol c_2 : $(-0.0, inf)$

symbol a_{11} : $(-0.0, inf)$

symbol a_{22} : $(-0.0, inf)$

symbol b_1 : -0.0

symbol b_2 : $[-0.0, inf)$

symbol a_{21} : $(-inf, 0.0)$

$$-c_2a_{11} + c_1a_{12} > 0$$

$$a_{11}a_{22} - a_{12}a_{21} > 0$$

$$c_1a_{22} - c_2a_{21} > 0$$

$$-a_{11}^3a_{22}^3 + 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} - 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 + a_{12}^3a_{21}^3 \geq 0$$

$$-a_{11}^2a_{22}^2 + 2.00 \cdot a_{12}a_{11}a_{22}a_{21} - a_{12}^2a_{21}^2 > 0$$

$$c_1a_{11}a_{22}^2 - c_2a_{11}a_{22}a_{21} - c_1a_{12}a_{22}a_{21} + a_{12}c_2a_{21}^2 \geq 0$$

$$-a_{11}^3a_{22}^3 + 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} - 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 + a_{12}^3a_{21}^3 > 0$$

$$a_{11}^3a_{22}^3 - 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} + 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 - a_{12}^3a_{21}^3 > 0$$

$$a_{11}^8a_{22}^8 - 8.00 \cdot a_{12}a_{11}^7a_{22}^7a_{21} + 28.00 \cdot a_{12}^2a_{11}^6a_{22}^6a_{21}^2 - 56.00 \cdot a_{12}^3a_{11}^5a_{22}^5a_{21}^3 + 70.00 \cdot a_{12}^4a_{11}^4a_{22}^4a_{21}^4 - 56.00 \cdot a_{12}^5a_{11}^3a_{22}^3a_{21}^5 + 28.00 \cdot a_{12}^6a_{11}^2a_{22}^2a_{21}^6 - 8.00 \cdot a_{12}^7a_{11}a_{22}a_{21}^7 + a_{12}^8a_{21}^8 \geq 0$$

$$-a_{11}^8a_{22}^8 + 8.00 \cdot a_{12}a_{11}^7a_{22}^7a_{21} - 28.00 \cdot a_{12}^2a_{11}^6a_{22}^6a_{21}^2 + 56.00 \cdot a_{12}^3a_{11}^5a_{22}^5a_{21}^3 - 70.00 \cdot a_{12}^4a_{11}^4a_{22}^4a_{21}^4 + 56.00 \cdot a_{12}^5a_{11}^3a_{22}^3a_{21}^5 - 28.00 \cdot a_{12}^6a_{11}^2a_{22}^2a_{21}^6 + 8.00 \cdot a_{12}^7a_{11}a_{22}a_{21}^7 - a_{12}^8a_{21}^8 > 0$$

pot #31:

symbol a_{12} : $(-inf, 0.0)$

symbol c_1 : $(-inf, 0.0)$

symbol c_2 : $(-0.0, inf)$

symbol a_{11} : $(-0.0, inf)$

symbol a_{22} : $(-0.0, inf)$

symbol b_1 : -0.0

symbol b_2 : $[-0.0, inf)$

symbol a_{21} : $(-inf, 0.0)$

$$-c_2a_{11} + c_1a_{12} > 0$$

$$a_{11}a_{22} - a_{12}a_{21} > 0$$

$$c_1a_{22} - c_2a_{21} > 0$$

$$-a_{11}^3a_{22}^3 + 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} - 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 + a_{12}^3a_{21}^3 \geq 0$$

$$-a_{11}^2a_{22}^2 + 2.00 \cdot a_{12}a_{11}a_{22}a_{21} - a_{12}^2a_{21}^2 > 0$$

$$c_1a_{11}a_{22}^2 - c_2a_{11}a_{22}a_{21} - c_1a_{12}a_{22}a_{21} + a_{12}c_2a_{21}^2 \geq 0$$

$$-a_{11}^3a_{22}^3 + 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} - 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 + a_{12}^3a_{21}^3 > 0$$

$$a_{11}^3a_{22}^3 - 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} + 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 - a_{12}^3a_{21}^3 > 0$$

$$-a_{11}^8a_{22}^8 + 8.00 \cdot a_{12}a_{11}^7a_{22}^7a_{21} - 28.00 \cdot a_{12}^2a_{11}^6a_{22}^6a_{21}^2 + 56.00 \cdot a_{12}^3a_{11}^5a_{22}^5a_{21}^3 - 70.00 \cdot a_{12}^4a_{11}^4a_{22}^4a_{21}^4 +$$

$$\begin{aligned}
& 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - a_{12}^8 a_{21}^8 \geq 0 \\
& a_{11}^8 a_{22}^8 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 - \\
& 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + a_{12}^8 a_{21}^8 > 0
\end{aligned}$$

pot #32:

symbol a_{12} : $(-inf, 0.0)$

symbol c_1 : $(-inf, 0.0)$

symbol c_2 : $(-0.0, inf)$

symbol a_{11} : $(-0.0, inf)$

symbol a_{22} : $(-0.0, inf)$

symbol b_1 : $[-0.0, inf)$

symbol b_2 : $[-0.0, inf)$

symbol a_{21} : $(-inf, 0.0)$

$$-c_2 a_{11} + c_1 a_{12} > 0$$

$$a_{11} a_{22} - a_{12} a_{21} > 0$$

$$c_1 a_{22} - c_2 a_{21} > 0$$

$$-a_{11}^3 a_{22}^3 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + a_{12}^3 a_{21}^3 \geq 0$$

$$-a_{11}^2 a_{22}^2 + 2.00 \cdot a_{12} a_{11} a_{22} a_{21} - a_{12}^2 a_{21}^2 > 0$$

$$c_1 a_{11} a_{22}^2 - c_2 a_{11} a_{22} a_{21} - c_1 a_{12} a_{22} a_{21} + a_{12} c_2 a_{21}^2 \geq 0$$

$$-a_{11}^3 a_{22}^3 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + a_{12}^3 a_{21}^3 > 0$$

$$a_{11}^8 a_{22}^8 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 -$$

$$56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + a_{12}^8 a_{21}^8 \geq 0$$

$$a_{11}^8 a_{22}^8 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 -$$

$$56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + a_{12}^8 a_{21}^8 > 0$$

pot #33:

symbol a_{12} : $(-inf, 0.0)$

symbol c_1 : $(-inf, 0.0)$

symbol c_2 : $(-0.0, inf)$

symbol a_{11} : $(-0.0, inf)$

symbol a_{22} : $(-0.0, inf)$

symbol b_1 : $[-0.0, inf)$

symbol b_2 : $[-0.0, inf)$

symbol a_{21} : $(-inf, 0.0)$

$$-c_2 a_{11} + c_1 a_{12} > 0$$

$$a_{11} a_{22} - a_{12} a_{21} > 0$$

$$c_1 a_{22} - c_2 a_{21} > 0$$

$$-a_{11}^3 a_{22}^3 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + a_{12}^3 a_{21}^3 \geq 0$$

$$-a_{11}^2 a_{22}^2 + 2.00 \cdot a_{12} a_{11} a_{22} a_{21} - a_{12}^2 a_{21}^2 > 0$$

$$c_1 a_{11} a_{22}^2 - c_2 a_{11} a_{22} a_{21} - c_1 a_{12} a_{22} a_{21} + a_{12} c_2 a_{21}^2 \geq 0$$

$$-a_{11}^3 a_{22}^3 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + a_{12}^3 a_{21}^3 > 0$$

$$-a_{11}^8 a_{22}^8 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 +$$

$$56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - a_{12}^8 a_{21}^8 \geq 0$$

$$-a_{11}^8 a_{22}^8 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 +$$

$$56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - a_{12}^8 a_{21}^8 > 0$$

pot #34:

symbol a_{12} : $(-inf, 0.0)$

symbol c_1 : $(-inf, 0.0)$

symbol c_2 : $(-0.0, inf)$

symbol a_{11} : $(-0.0, inf)$

symbol a_{22} : $(-0.0, inf)$

symbol b_1 : -0.0

symbol $b_2 : [-0.0, inf)$

symbol $a_{21} : (-inf, 0.0)$

$$-c_2 a_{11} + c_1 a_{12} > 0$$

$$a_{11} a_{22} - a_{12} a_{21} > 0$$

$$c_1 a_{22} - c_2 a_{21} > 0$$

$$-a_{11}^3 a_{22}^3 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + a_{12}^3 a_{21}^3 \geq 0$$

$$-a_{11}^2 a_{22}^2 + 2.00 \cdot a_{12} a_{11} a_{22} a_{21} - a_{12}^2 a_{21}^2 > 0$$

$$c_1 a_{11} a_{22}^2 - c_2 a_{11} a_{22} a_{21} - c_1 a_{12} a_{22} a_{21} + a_{12} c_2 a_{21}^2 \geq 0$$

$$-a_{11}^3 a_{22}^3 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + a_{12}^3 a_{21}^3 > 0$$

$$a_{11}^8 a_{22}^8 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 - 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + a_{12}^8 a_{21}^8 \geq 0$$

$$-a_{11}^8 a_{22}^8 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 + 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - a_{12}^8 a_{21}^8 > 0$$

pot #35:

symbol $a_{12} : (-inf, 0.0)$

symbol $c_1 : (-inf, 0.0)$

symbol $c_2 : (-0.0, inf)$

symbol $a_{11} : (-0.0, inf)$

symbol $a_{22} : (-0.0, inf)$

symbol $b_1 : -0.0$

symbol $b_2 : [-0.0, inf)$

symbol $a_{21} : (-inf, 0.0)$

$$-c_2 a_{11} + c_1 a_{12} > 0$$

$$a_{11} a_{22} - a_{12} a_{21} > 0$$

$$c_1 a_{22} - c_2 a_{21} > 0$$

$$-a_{11}^3 a_{22}^3 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + a_{12}^3 a_{21}^3 \geq 0$$

$$-a_{11}^2 a_{22}^2 + 2.00 \cdot a_{12} a_{11} a_{22} a_{21} - a_{12}^2 a_{21}^2 > 0$$

$$c_1 a_{11} a_{22}^2 - c_2 a_{11} a_{22} a_{21} - c_1 a_{12} a_{22} a_{21} + a_{12} c_2 a_{21}^2 \geq 0$$

$$-a_{11}^3 a_{22}^3 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + a_{12}^3 a_{21}^3 > 0$$

$$-a_{11}^8 a_{22}^8 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 + 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - a_{12}^8 a_{21}^8 \geq 0$$

$$a_{11}^8 a_{22}^8 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 - 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + a_{12}^8 a_{21}^8 > 0$$

pot #36:

symbol $a_{12} : (-inf, 0.0)$

symbol $c_1 : (-inf, 0.0)$

symbol $c_2 : (-0.0, inf)$

symbol $a_{11} : (-0.0, inf)$

symbol $a_{22} : (-0.0, inf)$

symbol $b_1 : [-0.0, inf)$

symbol $b_2 : -0.0$

symbol $a_{21} : (-inf, 0.0)$

$$-c_2 a_{11} + c_1 a_{12} > 0$$

$$a_{11} a_{22} - a_{12} a_{21} > 0$$

$$c_1 a_{22} - c_2 a_{21} > 0$$

$$a_{11}^3 a_{22}^3 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 \geq 0$$

$$-a_{11}^2 a_{22}^2 + 2.00 \cdot a_{12} a_{11} a_{22} a_{21} - a_{12}^2 a_{21}^2 > 0$$

$$c_1 a_{11} a_{22}^2 - c_2 a_{11} a_{22} a_{21} - c_1 a_{12} a_{22} a_{21} + a_{12} c_2 a_{21}^2 \geq 0$$

$$a_{11}^3 a_{22}^3 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 > 0$$

$$a_{11}^8 a_{22}^8 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 -$$

$$\begin{aligned}
&56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + a_{12}^8 a_{21}^8 \geq 0 \\
&a_{11}^8 a_{22}^8 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 - \\
&56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + a_{12}^8 a_{21}^8 > 0
\end{aligned}$$

pot #37:

symbol a_{12} : $(-inf, 0.0)$

symbol c_1 : $(-inf, 0.0)$

symbol c_2 : $(-0.0, inf)$

symbol a_{11} : $(-0.0, inf)$

symbol a_{22} : $(-0.0, inf)$

symbol b_1 : $[-0.0, inf)$

symbol b_2 : -0.0

symbol a_{21} : $(-inf, 0.0)$

$$-c_2 a_{11} + c_1 a_{12} > 0$$

$$a_{11} a_{22} - a_{12} a_{21} > 0$$

$$c_1 a_{22} - c_2 a_{21} > 0$$

$$a_{11}^3 a_{22}^3 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 \geq 0$$

$$-a_{11}^2 a_{22}^2 + 2.00 \cdot a_{12} a_{11} a_{22} a_{21} - a_{12}^2 a_{21}^2 > 0$$

$$c_1 a_{11} a_{22}^2 - c_2 a_{11} a_{22} a_{21} - c_1 a_{12} a_{22} a_{21} + a_{12} c_2 a_{21}^2 \geq 0$$

$$a_{11}^3 a_{22}^3 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 > 0$$

$$-a_{11}^8 a_{22}^8 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 +$$

$$56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - a_{12}^8 a_{21}^8 \geq 0$$

$$-a_{11}^8 a_{22}^8 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 +$$

$$56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - a_{12}^8 a_{21}^8 > 0$$

pot #38:

symbol a_{12} : $(-inf, 0.0)$

symbol c_1 : $(-inf, 0.0)$

symbol c_2 : $(-0.0, inf)$

symbol a_{11} : $(-0.0, inf)$

symbol a_{22} : $(-0.0, inf)$

symbol b_1 : -0.0

symbol b_2 : -0.0

symbol a_{21} : $(-inf, 0.0)$

$$-c_2 a_{11} + c_1 a_{12} > 0$$

$$a_{11} a_{22} - a_{12} a_{21} > 0$$

$$c_1 a_{22} - c_2 a_{21} > 0$$

$$a_{11}^3 a_{22}^3 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 \geq 0$$

$$-a_{11}^2 a_{22}^2 + 2.00 \cdot a_{12} a_{11} a_{22} a_{21} - a_{12}^2 a_{21}^2 > 0$$

$$c_1 a_{11} a_{22}^2 - c_2 a_{11} a_{22} a_{21} - c_1 a_{12} a_{22} a_{21} + a_{12} c_2 a_{21}^2 \geq 0$$

$$a_{11}^3 a_{22}^3 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 > 0$$

$$a_{11}^8 a_{22}^8 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 -$$

$$56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + a_{12}^8 a_{21}^8 \geq 0$$

$$-a_{11}^8 a_{22}^8 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 +$$

$$56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - a_{12}^8 a_{21}^8 > 0$$

pot #39:

symbol a_{12} : $(-inf, 0.0)$

symbol c_1 : $(-inf, 0.0)$

symbol c_2 : $(-0.0, inf)$

symbol a_{11} : $(-0.0, inf)$

symbol a_{22} : $(-0.0, inf)$

symbol b_1 : -0.0

symbol $b_2 : -0.0$

symbol $a_{21} : (-inf, 0.0)$

$-c_2 a_{11} + c_1 a_{12} > 0$

$a_{11} a_{22} - a_{12} a_{21} > 0$

$c_1 a_{22} - c_2 a_{21} > 0$

$a_{11}^3 a_{22}^3 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 \geq 0$

$-a_{11}^2 a_{22}^2 + 2.00 \cdot a_{12} a_{11} a_{22} a_{21} - a_{12}^2 a_{21}^2 > 0$

$c_1 a_{11} a_{22}^2 - c_2 a_{11} a_{22} a_{21} - c_1 a_{12} a_{22} a_{21} + a_{12} c_2 a_{21}^2 \geq 0$

$a_{11}^3 a_{22}^3 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 > 0$

$-a_{11}^8 a_{22}^8 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 +$

$56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - a_{12}^8 a_{21}^8 \geq 0$

$a_{11}^8 a_{22}^8 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 -$

$56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + a_{12}^8 a_{21}^8 > 0$

pot #40:

symbol $a_{12} : (-inf, 0.0)$

symbol $c_1 : (-inf, 0.0)$

symbol $c_2 : (-0.0, inf)$

symbol $a_{11} : (-0.0, inf)$

symbol $a_{22} : (-0.0, inf)$

symbol $b_1 : [-0.0, inf)$

symbol $b_2 : -0.0$

symbol $a_{21} : (-inf, 0.0)$

$-c_2 a_{11} + c_1 a_{12} > 0$

$a_{11} a_{22} - a_{12} a_{21} > 0$

$c_1 a_{22} - c_2 a_{21} > 0$

$a_{11}^3 a_{22}^3 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 \geq 0$

$-a_{11}^2 a_{22}^2 + 2.00 \cdot a_{12} a_{11} a_{22} a_{21} - a_{12}^2 a_{21}^2 > 0$

$c_1 a_{11} a_{22}^2 - c_2 a_{11} a_{22} a_{21} - c_1 a_{12} a_{22} a_{21} + a_{12} c_2 a_{21}^2 \geq 0$

$a_{11}^3 a_{22}^3 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 > 0$

$-a_{11}^3 a_{22}^3 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + a_{12}^3 a_{21}^3 > 0$

$a_{11}^8 a_{22}^8 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 -$

$56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + a_{12}^8 a_{21}^8 \geq 0$

$a_{11}^8 a_{22}^8 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 -$

$56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + a_{12}^8 a_{21}^8 > 0$

pot #41:

symbol $a_{12} : (-inf, 0.0)$

symbol $c_1 : (-inf, 0.0)$

symbol $c_2 : (-0.0, inf)$

symbol $a_{11} : (-0.0, inf)$

symbol $a_{22} : (-0.0, inf)$

symbol $b_1 : [-0.0, inf)$

symbol $b_2 : -0.0$

symbol $a_{21} : (-inf, 0.0)$

$-c_2 a_{11} + c_1 a_{12} > 0$

$a_{11} a_{22} - a_{12} a_{21} > 0$

$c_1 a_{22} - c_2 a_{21} > 0$

$a_{11}^3 a_{22}^3 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 \geq 0$

$-a_{11}^2 a_{22}^2 + 2.00 \cdot a_{12} a_{11} a_{22} a_{21} - a_{12}^2 a_{21}^2 > 0$

$c_1 a_{11} a_{22}^2 - c_2 a_{11} a_{22} a_{21} - c_1 a_{12} a_{22} a_{21} + a_{12} c_2 a_{21}^2 \geq 0$

$a_{11}^3 a_{22}^3 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 > 0$

$$\begin{aligned}
& -a_{11}^3 a_{22}^3 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + a_{12}^3 a_{21}^3 > 0 \\
& -a_{11}^8 a_{22}^8 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 + \\
& 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - a_{12}^8 a_{21}^8 \geq 0 \\
& -a_{11}^8 a_{22}^8 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 + \\
& 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - a_{12}^8 a_{21}^8 > 0
\end{aligned}$$

pot #42:

symbol a_{12} : $(-inf, 0.0)$

symbol c_1 : $(-inf, 0.0)$

symbol c_2 : $(-0.0, inf)$

symbol a_{11} : $(-0.0, inf)$

symbol a_{22} : $(-0.0, inf)$

symbol b_1 : -0.0

symbol b_2 : -0.0

symbol a_{21} : $(-inf, 0.0)$

$$-c_2 a_{11} + c_1 a_{12} > 0$$

$$a_{11} a_{22} - a_{12} a_{21} > 0$$

$$c_1 a_{22} - c_2 a_{21} > 0$$

$$a_{11}^3 a_{22}^3 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 \geq 0$$

$$-a_{11}^2 a_{22}^2 + 2.00 \cdot a_{12} a_{11} a_{22} a_{21} - a_{12}^2 a_{21}^2 > 0$$

$$c_1 a_{11} a_{22}^2 - c_2 a_{11} a_{22} a_{21} - c_1 a_{12} a_{22} a_{21} + a_{12} c_2 a_{21}^2 \geq 0$$

$$a_{11}^3 a_{22}^3 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 > 0$$

$$-a_{11}^3 a_{22}^3 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + a_{12}^3 a_{21}^3 > 0$$

$$a_{11}^8 a_{22}^8 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 -$$

$$56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + a_{12}^8 a_{21}^8 \geq 0$$

$$-a_{11}^8 a_{22}^8 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 +$$

$$56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - a_{12}^8 a_{21}^8 > 0$$

pot #43:

symbol a_{12} : $(-inf, 0.0)$

symbol c_1 : $(-inf, 0.0)$

symbol c_2 : $(-0.0, inf)$

symbol a_{11} : $(-0.0, inf)$

symbol a_{22} : $(-0.0, inf)$

symbol b_1 : -0.0

symbol b_2 : -0.0

symbol a_{21} : $(-inf, 0.0)$

$$-c_2 a_{11} + c_1 a_{12} > 0$$

$$a_{11} a_{22} - a_{12} a_{21} > 0$$

$$c_1 a_{22} - c_2 a_{21} > 0$$

$$a_{11}^3 a_{22}^3 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 \geq 0$$

$$-a_{11}^2 a_{22}^2 + 2.00 \cdot a_{12} a_{11} a_{22} a_{21} - a_{12}^2 a_{21}^2 > 0$$

$$c_1 a_{11} a_{22}^2 - c_2 a_{11} a_{22} a_{21} - c_1 a_{12} a_{22} a_{21} + a_{12} c_2 a_{21}^2 \geq 0$$

$$a_{11}^3 a_{22}^3 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 > 0$$

$$-a_{11}^3 a_{22}^3 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + a_{12}^3 a_{21}^3 > 0$$

$$-a_{11}^8 a_{22}^8 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 +$$

$$56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - a_{12}^8 a_{21}^8 \geq 0$$

$$a_{11}^8 a_{22}^8 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 -$$

$$56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + a_{12}^8 a_{21}^8 > 0$$

pot #44:

symbol a_{12} : $(-inf, 0.0)$

symbol c_1 : $(-inf, 0.0)$

symbol $c_2 : (-0.0, inf)$
 symbol $a_{11} : (-0.0, inf)$
 symbol $a_{22} : (-0.0, inf)$
 symbol $b_1 : [-0.0, inf)$
 symbol $b_2 : -0.0$
 symbol $a_{21} : (-inf, 0.0)$
 $-c_2a_{11} + c_1a_{12} > 0$
 $a_{11}a_{22} - a_{12}a_{21} > 0$
 $c_1a_{22} - c_2a_{21} > 0$
 $a_{11}^3a_{22}^3 - 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} + 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 - a_{12}^3a_{21}^3 \geq 0$
 $-a_{11}^2a_{22}^2 + 2.00 \cdot a_{12}a_{11}a_{22}a_{21} - a_{12}^2a_{21}^2 > 0$
 $c_1a_{11}a_{22}^2 - c_2a_{11}a_{22}a_{21} - c_1a_{12}a_{22}a_{21} + a_{12}c_2a_{21}^2 \geq 0$
 $-a_{11}^3a_{22}^3 + 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} - 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 + a_{12}^3a_{21}^3 > 0$
 $a_{11}^3a_{22}^3 - 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} + 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 - a_{12}^3a_{21}^3 > 0$
 $a_{11}^8a_{22}^8 - 8.00 \cdot a_{12}a_{11}^7a_{22}^7a_{21} + 28.00 \cdot a_{12}^2a_{11}^6a_{22}^6a_{21}^2 - 56.00 \cdot a_{12}^3a_{11}^5a_{22}^5a_{21}^3 + 70.00 \cdot a_{12}^4a_{11}^4a_{22}^4a_{21}^4 -$
 $56.00 \cdot a_{12}^5a_{11}^3a_{22}^3a_{21}^5 + 28.00 \cdot a_{12}^6a_{11}^2a_{22}^2a_{21}^6 - 8.00 \cdot a_{12}^7a_{11}a_{22}a_{21}^7 + a_{12}^8a_{21}^8 \geq 0$
 $a_{11}^8a_{22}^8 - 8.00 \cdot a_{12}a_{11}^7a_{22}^7a_{21} + 28.00 \cdot a_{12}^2a_{11}^6a_{22}^6a_{21}^2 - 56.00 \cdot a_{12}^3a_{11}^5a_{22}^5a_{21}^3 + 70.00 \cdot a_{12}^4a_{11}^4a_{22}^4a_{21}^4 -$
 $56.00 \cdot a_{12}^5a_{11}^3a_{22}^3a_{21}^5 + 28.00 \cdot a_{12}^6a_{11}^2a_{22}^2a_{21}^6 - 8.00 \cdot a_{12}^7a_{11}a_{22}a_{21}^7 + a_{12}^8a_{21}^8 > 0$
 pot #45:
 symbol $a_{12} : (-inf, 0.0)$
 symbol $c_1 : (-inf, 0.0)$
 symbol $c_2 : (-0.0, inf)$
 symbol $a_{11} : (-0.0, inf)$
 symbol $a_{22} : (-0.0, inf)$
 symbol $b_1 : [-0.0, inf)$
 symbol $b_2 : -0.0$
 symbol $a_{21} : (-inf, 0.0)$
 $-c_2a_{11} + c_1a_{12} > 0$
 $a_{11}a_{22} - a_{12}a_{21} > 0$
 $c_1a_{22} - c_2a_{21} > 0$
 $a_{11}^3a_{22}^3 - 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} + 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 - a_{12}^3a_{21}^3 \geq 0$
 $-a_{11}^2a_{22}^2 + 2.00 \cdot a_{12}a_{11}a_{22}a_{21} - a_{12}^2a_{21}^2 > 0$
 $c_1a_{11}a_{22}^2 - c_2a_{11}a_{22}a_{21} - c_1a_{12}a_{22}a_{21} + a_{12}c_2a_{21}^2 \geq 0$
 $-a_{11}^3a_{22}^3 + 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} - 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 + a_{12}^3a_{21}^3 > 0$
 $a_{11}^3a_{22}^3 - 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} + 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 - a_{12}^3a_{21}^3 > 0$
 $-a_{11}^8a_{22}^8 + 8.00 \cdot a_{12}a_{11}^7a_{22}^7a_{21} - 28.00 \cdot a_{12}^2a_{11}^6a_{22}^6a_{21}^2 + 56.00 \cdot a_{12}^3a_{11}^5a_{22}^5a_{21}^3 - 70.00 \cdot a_{12}^4a_{11}^4a_{22}^4a_{21}^4 +$
 $56.00 \cdot a_{12}^5a_{11}^3a_{22}^3a_{21}^5 - 28.00 \cdot a_{12}^6a_{11}^2a_{22}^2a_{21}^6 + 8.00 \cdot a_{12}^7a_{11}a_{22}a_{21}^7 - a_{12}^8a_{21}^8 \geq 0$
 $-a_{11}^8a_{22}^8 + 8.00 \cdot a_{12}a_{11}^7a_{22}^7a_{21} - 28.00 \cdot a_{12}^2a_{11}^6a_{22}^6a_{21}^2 + 56.00 \cdot a_{12}^3a_{11}^5a_{22}^5a_{21}^3 - 70.00 \cdot a_{12}^4a_{11}^4a_{22}^4a_{21}^4 +$
 $56.00 \cdot a_{12}^5a_{11}^3a_{22}^3a_{21}^5 - 28.00 \cdot a_{12}^6a_{11}^2a_{22}^2a_{21}^6 + 8.00 \cdot a_{12}^7a_{11}a_{22}a_{21}^7 - a_{12}^8a_{21}^8 > 0$
 pot #46:
 symbol $a_{12} : (-inf, 0.0)$
 symbol $c_1 : (-inf, 0.0)$
 symbol $c_2 : (-0.0, inf)$
 symbol $a_{11} : (-0.0, inf)$
 symbol $a_{22} : (-0.0, inf)$
 symbol $b_1 : -0.0$
 symbol $b_2 : -0.0$
 symbol $a_{21} : (-inf, 0.0)$
 $-c_2a_{11} + c_1a_{12} > 0$
 $a_{11}a_{22} - a_{12}a_{21} > 0$

$$56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + a_{12}^8 a_{21}^8 > 0$$

pot #49:

symbol a_{12} : $(-inf, 0.0)$

symbol c_1 : $(-inf, 0.0)$

symbol c_2 : $(-0.0, inf)$

symbol a_{11} : $(-0.0, inf)$

symbol a_{22} : $(-0.0, inf)$

symbol b_1 : $[-0.0, inf)$

symbol b_2 : -0.0

symbol a_{21} : $(-inf, 0.0)$

$$-c_2 a_{11} + c_1 a_{12} > 0$$

$$a_{11} a_{22} - a_{12} a_{21} > 0$$

$$c_1 a_{22} - c_2 a_{21} > 0$$

$$a_{11}^3 a_{22}^3 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 \geq 0$$

$$-a_{11}^2 a_{22}^2 + 2.00 \cdot a_{12} a_{11} a_{22} a_{21} - a_{12}^2 a_{21}^2 > 0$$

$$c_1 a_{11} a_{22}^2 - c_2 a_{11} a_{22} a_{21} - c_1 a_{12} a_{22} a_{21} + a_{12} c_2 a_{21}^2 \geq 0$$

$$-a_{11}^3 a_{22}^3 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + a_{12}^3 a_{21}^3 > 0$$

$$-a_{11}^8 a_{22}^8 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 +$$

$$56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - a_{12}^8 a_{21}^8 \geq 0$$

$$-a_{11}^8 a_{22}^8 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 +$$

$$56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - a_{12}^8 a_{21}^8 > 0$$

pot #50:

symbol a_{12} : $(-inf, 0.0)$

symbol c_1 : $(-inf, 0.0)$

symbol c_2 : $(-0.0, inf)$

symbol a_{11} : $(-0.0, inf)$

symbol a_{22} : $(-0.0, inf)$

symbol b_1 : -0.0

symbol b_2 : -0.0

symbol a_{21} : $(-inf, 0.0)$

$$-c_2 a_{11} + c_1 a_{12} > 0$$

$$a_{11} a_{22} - a_{12} a_{21} > 0$$

$$c_1 a_{22} - c_2 a_{21} > 0$$

$$a_{11}^3 a_{22}^3 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 \geq 0$$

$$-a_{11}^2 a_{22}^2 + 2.00 \cdot a_{12} a_{11} a_{22} a_{21} - a_{12}^2 a_{21}^2 > 0$$

$$c_1 a_{11} a_{22}^2 - c_2 a_{11} a_{22} a_{21} - c_1 a_{12} a_{22} a_{21} + a_{12} c_2 a_{21}^2 \geq 0$$

$$-a_{11}^3 a_{22}^3 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + a_{12}^3 a_{21}^3 > 0$$

$$a_{11}^8 a_{22}^8 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 -$$

$$56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + a_{12}^8 a_{21}^8 \geq 0$$

$$-a_{11}^8 a_{22}^8 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 +$$

$$56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - a_{12}^8 a_{21}^8 > 0$$

pot #51:

symbol a_{12} : $(-inf, 0.0)$

symbol c_1 : $(-inf, 0.0)$

symbol c_2 : $(-0.0, inf)$

symbol a_{11} : $(-0.0, inf)$

symbol a_{22} : $(-0.0, inf)$

symbol b_1 : -0.0

symbol b_2 : -0.0

symbol a_{21} : $(-inf, 0.0)$

$$-c_2a_{11} + c_1a_{12} > 0$$

$$a_{11}a_{22} - a_{12}a_{21} > 0$$

$$c_1a_{22} - c_2a_{21} > 0$$

$$a_{11}^3a_{22}^3 - 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} + 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 - a_{12}^3a_{21}^3 \geq 0$$

$$-a_{11}^2a_{22}^2 + 2.00 \cdot a_{12}a_{11}a_{22}a_{21} - a_{12}^2a_{21}^2 > 0$$

$$c_1a_{11}a_{22}^2 - c_2a_{11}a_{22}a_{21} - c_1a_{12}a_{22}a_{21} + a_{12}c_2a_{21}^2 \geq 0$$

$$-a_{11}^3a_{22}^3 + 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} - 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 + a_{12}^3a_{21}^3 > 0$$

$$-a_{11}^8a_{22}^8 + 8.00 \cdot a_{12}a_{11}^7a_{22}^7a_{21} - 28.00 \cdot a_{12}^2a_{11}^6a_{22}^6a_{21}^2 + 56.00 \cdot a_{12}^3a_{11}^5a_{22}^5a_{21}^3 - 70.00 \cdot a_{12}^4a_{11}^4a_{22}^4a_{21}^4 + 56.00 \cdot a_{12}^5a_{11}^3a_{22}^3a_{21}^5 - 28.00 \cdot a_{12}^6a_{11}^2a_{22}^2a_{21}^6 + 8.00 \cdot a_{12}^7a_{11}a_{22}a_{21}^7 - a_{12}^8a_{21}^8 \geq 0$$

$$a_{11}^8a_{22}^8 - 8.00 \cdot a_{12}a_{11}^7a_{22}^7a_{21} + 28.00 \cdot a_{12}^2a_{11}^6a_{22}^6a_{21}^2 - 56.00 \cdot a_{12}^3a_{11}^5a_{22}^5a_{21}^3 + 70.00 \cdot a_{12}^4a_{11}^4a_{22}^4a_{21}^4 - 56.00 \cdot a_{12}^5a_{11}^3a_{22}^3a_{21}^5 + 28.00 \cdot a_{12}^6a_{11}^2a_{22}^2a_{21}^6 - 8.00 \cdot a_{12}^7a_{11}a_{22}a_{21}^7 + a_{12}^8a_{21}^8 > 0$$

pot #52:

symbol a_{12} : $(-inf, 0.0)$

symbol c_1 : $(-inf, 0.0)$

symbol c_2 : $(-0.0, inf)$

symbol a_{11} : $(-0.0, inf)$

symbol a_{22} : $(-0.0, inf)$

symbol b_1 : $[-0.0, inf)$

symbol b_2 : -0.0

symbol a_{21} : $(-inf, 0.0)$

$$-c_2a_{11} + c_1a_{12} > 0$$

$$a_{11}a_{22} - a_{12}a_{21} > 0$$

$$c_1a_{22} - c_2a_{21} > 0$$

$$-a_{11}^3a_{22}^3 + 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} - 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 + a_{12}^3a_{21}^3 \geq 0$$

$$a_{11}^2a_{22}^2 - 2.00 \cdot a_{12}a_{11}a_{22}a_{21} + a_{12}^2a_{21}^2 > 0$$

$$c_1a_{11}a_{22}^2 - c_2a_{11}a_{22}a_{21} - c_1a_{12}a_{22}a_{21} + a_{12}c_2a_{21}^2 \geq 0$$

$$a_{11}^3a_{22}^3 - 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} + 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 - a_{12}^3a_{21}^3 > 0$$

$$a_{11}^8a_{22}^8 - 8.00 \cdot a_{12}a_{11}^7a_{22}^7a_{21} + 28.00 \cdot a_{12}^2a_{11}^6a_{22}^6a_{21}^2 - 56.00 \cdot a_{12}^3a_{11}^5a_{22}^5a_{21}^3 + 70.00 \cdot a_{12}^4a_{11}^4a_{22}^4a_{21}^4 - 56.00 \cdot a_{12}^5a_{11}^3a_{22}^3a_{21}^5 + 28.00 \cdot a_{12}^6a_{11}^2a_{22}^2a_{21}^6 - 8.00 \cdot a_{12}^7a_{11}a_{22}a_{21}^7 + a_{12}^8a_{21}^8 \geq 0$$

$$a_{11}^8a_{22}^8 - 8.00 \cdot a_{12}a_{11}^7a_{22}^7a_{21} + 28.00 \cdot a_{12}^2a_{11}^6a_{22}^6a_{21}^2 - 56.00 \cdot a_{12}^3a_{11}^5a_{22}^5a_{21}^3 + 70.00 \cdot a_{12}^4a_{11}^4a_{22}^4a_{21}^4 - 56.00 \cdot a_{12}^5a_{11}^3a_{22}^3a_{21}^5 + 28.00 \cdot a_{12}^6a_{11}^2a_{22}^2a_{21}^6 - 8.00 \cdot a_{12}^7a_{11}a_{22}a_{21}^7 + a_{12}^8a_{21}^8 > 0$$

pot #53:

symbol a_{12} : $(-inf, 0.0)$

symbol c_1 : $(-inf, 0.0)$

symbol c_2 : $(-0.0, inf)$

symbol a_{11} : $(-0.0, inf)$

symbol a_{22} : $(-0.0, inf)$

symbol b_1 : $[-0.0, inf)$

symbol b_2 : -0.0

symbol a_{21} : $(-inf, 0.0)$

$$-c_2a_{11} + c_1a_{12} > 0$$

$$a_{11}a_{22} - a_{12}a_{21} > 0$$

$$c_1a_{22} - c_2a_{21} > 0$$

$$-a_{11}^3a_{22}^3 + 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} - 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 + a_{12}^3a_{21}^3 \geq 0$$

$$a_{11}^2a_{22}^2 - 2.00 \cdot a_{12}a_{11}a_{22}a_{21} + a_{12}^2a_{21}^2 > 0$$

$$c_1a_{11}a_{22}^2 - c_2a_{11}a_{22}a_{21} - c_1a_{12}a_{22}a_{21} + a_{12}c_2a_{21}^2 \geq 0$$

$$a_{11}^3a_{22}^3 - 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} + 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 - a_{12}^3a_{21}^3 > 0$$

$$-a_{11}^8a_{22}^8 + 8.00 \cdot a_{12}a_{11}^7a_{22}^7a_{21} - 28.00 \cdot a_{12}^2a_{11}^6a_{22}^6a_{21}^2 + 56.00 \cdot a_{12}^3a_{11}^5a_{22}^5a_{21}^3 - 70.00 \cdot a_{12}^4a_{11}^4a_{22}^4a_{21}^4 + 56.00 \cdot a_{12}^5a_{11}^3a_{22}^3a_{21}^5 - 28.00 \cdot a_{12}^6a_{11}^2a_{22}^2a_{21}^6 + 8.00 \cdot a_{12}^7a_{11}a_{22}a_{21}^7 - a_{12}^8a_{21}^8 \geq 0$$

$$-a_{11}^8a_{22}^8 + 8.00 \cdot a_{12}a_{11}^7a_{22}^7a_{21} - 28.00 \cdot a_{12}^2a_{11}^6a_{22}^6a_{21}^2 + 56.00 \cdot a_{12}^3a_{11}^5a_{22}^5a_{21}^3 - 70.00 \cdot a_{12}^4a_{11}^4a_{22}^4a_{21}^4 +$$

$$56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - a_{12}^8 a_{21}^8 > 0$$

pot #54:

symbol a_{12} : $(-inf, 0.0)$

symbol c_1 : $(-inf, 0.0)$

symbol c_2 : $(-0.0, inf)$

symbol a_{11} : $(-0.0, inf)$

symbol a_{22} : $(-0.0, inf)$

symbol b_1 : -0.0

symbol b_2 : -0.0

symbol a_{21} : $(-inf, 0.0)$

$$-c_2 a_{11} + c_1 a_{12} > 0$$

$$a_{11} a_{22} - a_{12} a_{21} > 0$$

$$c_1 a_{22} - c_2 a_{21} > 0$$

$$-a_{11}^3 a_{22}^3 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + a_{12}^3 a_{21}^3 \geq 0$$

$$a_{11}^2 a_{22}^2 - 2.00 \cdot a_{12} a_{11} a_{22} a_{21} + a_{12}^2 a_{21}^2 > 0$$

$$c_1 a_{11} a_{22}^2 - c_2 a_{11} a_{22} a_{21} - c_1 a_{12} a_{22} a_{21} + a_{12} c_2 a_{21}^2 \geq 0$$

$$a_{11}^3 a_{22}^3 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 > 0$$

$$a_{11}^8 a_{22}^8 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 - 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + a_{12}^8 a_{21}^8 \geq 0$$

$$-a_{11}^8 a_{22}^8 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 + 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - a_{12}^8 a_{21}^8 > 0$$

pot #55:

symbol a_{12} : $(-inf, 0.0)$

symbol c_1 : $(-inf, 0.0)$

symbol c_2 : $(-0.0, inf)$

symbol a_{11} : $(-0.0, inf)$

symbol a_{22} : $(-0.0, inf)$

symbol b_1 : -0.0

symbol b_2 : -0.0

symbol a_{21} : $(-inf, 0.0)$

$$-c_2 a_{11} + c_1 a_{12} > 0$$

$$a_{11} a_{22} - a_{12} a_{21} > 0$$

$$c_1 a_{22} - c_2 a_{21} > 0$$

$$-a_{11}^3 a_{22}^3 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + a_{12}^3 a_{21}^3 \geq 0$$

$$a_{11}^2 a_{22}^2 - 2.00 \cdot a_{12} a_{11} a_{22} a_{21} + a_{12}^2 a_{21}^2 > 0$$

$$c_1 a_{11} a_{22}^2 - c_2 a_{11} a_{22} a_{21} - c_1 a_{12} a_{22} a_{21} + a_{12} c_2 a_{21}^2 \geq 0$$

$$a_{11}^3 a_{22}^3 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 > 0$$

$$-a_{11}^8 a_{22}^8 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 + 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - a_{12}^8 a_{21}^8 \geq 0$$

$$a_{11}^8 a_{22}^8 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 - 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + a_{12}^8 a_{21}^8 > 0$$

pot #56:

symbol a_{12} : $(-inf, 0.0)$

symbol c_1 : $(-inf, 0.0)$

symbol c_2 : $(-0.0, inf)$

symbol a_{11} : $(-0.0, inf)$

symbol a_{22} : $(-0.0, inf)$

symbol b_1 : $[-0.0, inf)$

symbol b_2 : -0.0

symbol a_{21} : $(-inf, 0.0)$

$$\begin{aligned}
& -c_2a_{11} + c_1a_{12} > 0 \\
& a_{11}a_{22} - a_{12}a_{21} > 0 \\
& c_1a_{22} - c_2a_{21} > 0 \\
& -a_{11}^3a_{22}^3 + 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} - 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 + a_{12}^3a_{21}^3 \geq 0 \\
& a_{11}^2a_{22}^2 - 2.00 \cdot a_{12}a_{11}a_{22}a_{21} + a_{12}^2a_{21}^2 > 0 \\
& c_1a_{11}a_{22}^2 - c_2a_{11}a_{22}a_{21} - c_1a_{12}a_{22}a_{21} + a_{12}c_2a_{21}^2 \geq 0 \\
& a_{11}^3a_{22}^3 - 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} + 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 - a_{12}^3a_{21}^3 > 0 \\
& -a_{11}^3a_{22}^3 + 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} - 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 + a_{12}^3a_{21}^3 > 0 \\
& a_{11}^8a_{22}^8 - 8.00 \cdot a_{12}a_{11}^7a_{22}^7a_{21} + 28.00 \cdot a_{12}^2a_{11}^6a_{22}^6a_{21}^2 - 56.00 \cdot a_{12}^3a_{11}^5a_{22}^5a_{21}^3 + 70.00 \cdot a_{12}^4a_{11}^4a_{22}^4a_{21}^4 - \\
& 56.00 \cdot a_{12}^5a_{11}^3a_{22}^3a_{21}^5 + 28.00 \cdot a_{12}^6a_{11}^2a_{22}^2a_{21}^6 - 8.00 \cdot a_{12}^7a_{11}a_{22}a_{21}^7 + a_{12}^8a_{21}^8 \geq 0 \\
& a_{11}^8a_{22}^8 - 8.00 \cdot a_{12}a_{11}^7a_{22}^7a_{21} + 28.00 \cdot a_{12}^2a_{11}^6a_{22}^6a_{21}^2 - 56.00 \cdot a_{12}^3a_{11}^5a_{22}^5a_{21}^3 + 70.00 \cdot a_{12}^4a_{11}^4a_{22}^4a_{21}^4 - \\
& 56.00 \cdot a_{12}^5a_{11}^3a_{22}^3a_{21}^5 + 28.00 \cdot a_{12}^6a_{11}^2a_{22}^2a_{21}^6 - 8.00 \cdot a_{12}^7a_{11}a_{22}a_{21}^7 + a_{12}^8a_{21}^8 > 0
\end{aligned}$$

pot #57:

$$\begin{aligned}
& \text{symbol } a_{12} : (-inf, 0.0) \\
& \text{symbol } c_1 : (-inf, 0.0) \\
& \text{symbol } c_2 : (-0.0, inf) \\
& \text{symbol } a_{11} : (-0.0, inf) \\
& \text{symbol } a_{22} : (-0.0, inf) \\
& \text{symbol } b_1 : [-0.0, inf) \\
& \text{symbol } b_2 : -0.0 \\
& \text{symbol } a_{21} : (-inf, 0.0) \\
& -c_2a_{11} + c_1a_{12} > 0 \\
& a_{11}a_{22} - a_{12}a_{21} > 0 \\
& c_1a_{22} - c_2a_{21} > 0 \\
& -a_{11}^3a_{22}^3 + 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} - 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 + a_{12}^3a_{21}^3 \geq 0 \\
& a_{11}^2a_{22}^2 - 2.00 \cdot a_{12}a_{11}a_{22}a_{21} + a_{12}^2a_{21}^2 > 0 \\
& c_1a_{11}a_{22}^2 - c_2a_{11}a_{22}a_{21} - c_1a_{12}a_{22}a_{21} + a_{12}c_2a_{21}^2 \geq 0 \\
& a_{11}^3a_{22}^3 - 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} + 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 - a_{12}^3a_{21}^3 > 0 \\
& -a_{11}^3a_{22}^3 + 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} - 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 + a_{12}^3a_{21}^3 > 0 \\
& -a_{11}^8a_{22}^8 + 8.00 \cdot a_{12}a_{11}^7a_{22}^7a_{21} - 28.00 \cdot a_{12}^2a_{11}^6a_{22}^6a_{21}^2 + 56.00 \cdot a_{12}^3a_{11}^5a_{22}^5a_{21}^3 - 70.00 \cdot a_{12}^4a_{11}^4a_{22}^4a_{21}^4 + \\
& 56.00 \cdot a_{12}^5a_{11}^3a_{22}^3a_{21}^5 - 28.00 \cdot a_{12}^6a_{11}^2a_{22}^2a_{21}^6 + 8.00 \cdot a_{12}^7a_{11}a_{22}a_{21}^7 - a_{12}^8a_{21}^8 \geq 0 \\
& -a_{11}^8a_{22}^8 + 8.00 \cdot a_{12}a_{11}^7a_{22}^7a_{21} - 28.00 \cdot a_{12}^2a_{11}^6a_{22}^6a_{21}^2 + 56.00 \cdot a_{12}^3a_{11}^5a_{22}^5a_{21}^3 - 70.00 \cdot a_{12}^4a_{11}^4a_{22}^4a_{21}^4 + \\
& 56.00 \cdot a_{12}^5a_{11}^3a_{22}^3a_{21}^5 - 28.00 \cdot a_{12}^6a_{11}^2a_{22}^2a_{21}^6 + 8.00 \cdot a_{12}^7a_{11}a_{22}a_{21}^7 - a_{12}^8a_{21}^8 > 0
\end{aligned}$$

pot #58:

$$\begin{aligned}
& \text{symbol } a_{12} : (-inf, 0.0) \\
& \text{symbol } c_1 : (-inf, 0.0) \\
& \text{symbol } c_2 : (-0.0, inf) \\
& \text{symbol } a_{11} : (-0.0, inf) \\
& \text{symbol } a_{22} : (-0.0, inf) \\
& \text{symbol } b_1 : -0.0 \\
& \text{symbol } b_2 : -0.0 \\
& \text{symbol } a_{21} : (-inf, 0.0) \\
& -c_2a_{11} + c_1a_{12} > 0 \\
& a_{11}a_{22} - a_{12}a_{21} > 0 \\
& c_1a_{22} - c_2a_{21} > 0 \\
& -a_{11}^3a_{22}^3 + 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} - 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 + a_{12}^3a_{21}^3 \geq 0 \\
& a_{11}^2a_{22}^2 - 2.00 \cdot a_{12}a_{11}a_{22}a_{21} + a_{12}^2a_{21}^2 > 0 \\
& c_1a_{11}a_{22}^2 - c_2a_{11}a_{22}a_{21} - c_1a_{12}a_{22}a_{21} + a_{12}c_2a_{21}^2 \geq 0 \\
& a_{11}^3a_{22}^3 - 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} + 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 - a_{12}^3a_{21}^3 > 0 \\
& -a_{11}^3a_{22}^3 + 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} - 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 + a_{12}^3a_{21}^3 > 0
\end{aligned}$$

$$\begin{aligned}
& a_{11}^8 a_{22}^8 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 - \\
& 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + a_{12}^8 a_{21}^8 \geq 0 \\
& -a_{11}^8 a_{22}^8 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 + \\
& 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - a_{12}^8 a_{21}^8 > 0
\end{aligned}$$

pot #59:

symbol a_{12} : $(-inf, 0.0)$

symbol c_1 : $(-inf, 0.0)$

symbol c_2 : $(-0.0, inf)$

symbol a_{11} : $(-0.0, inf)$

symbol a_{22} : $(-0.0, inf)$

symbol b_1 : -0.0

symbol b_2 : -0.0

symbol a_{21} : $(-inf, 0.0)$

$$-c_2 a_{11} + c_1 a_{12} > 0$$

$$a_{11} a_{22} - a_{12} a_{21} > 0$$

$$c_1 a_{22} - c_2 a_{21} > 0$$

$$-a_{11}^3 a_{22}^3 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + a_{12}^3 a_{21}^3 \geq 0$$

$$a_{11}^2 a_{22}^2 - 2.00 \cdot a_{12} a_{11} a_{22} a_{21} + a_{12}^2 a_{21}^2 > 0$$

$$c_1 a_{11} a_{22}^2 - c_2 a_{11} a_{22} a_{21} - c_1 a_{12} a_{22} a_{21} + a_{12} c_2 a_{21}^2 \geq 0$$

$$a_{11}^3 a_{22}^3 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 > 0$$

$$-a_{11}^3 a_{22}^3 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + a_{12}^3 a_{21}^3 > 0$$

$$-a_{11}^8 a_{22}^8 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 +$$

$$56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - a_{12}^8 a_{21}^8 \geq 0$$

$$a_{11}^8 a_{22}^8 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 -$$

$$56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + a_{12}^8 a_{21}^8 > 0$$

pot #60:

symbol a_{12} : $(-inf, 0.0)$

symbol c_1 : $(-inf, 0.0)$

symbol c_2 : $(-0.0, inf)$

symbol a_{11} : $(-0.0, inf)$

symbol a_{22} : $(-0.0, inf)$

symbol b_1 : $[-0.0, inf)$

symbol b_2 : -0.0

symbol a_{21} : $(-inf, 0.0)$

$$-c_2 a_{11} + c_1 a_{12} > 0$$

$$a_{11} a_{22} - a_{12} a_{21} > 0$$

$$c_1 a_{22} - c_2 a_{21} > 0$$

$$-a_{11}^3 a_{22}^3 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + a_{12}^3 a_{21}^3 \geq 0$$

$$a_{11}^2 a_{22}^2 - 2.00 \cdot a_{12} a_{11} a_{22} a_{21} + a_{12}^2 a_{21}^2 > 0$$

$$c_1 a_{11} a_{22}^2 - c_2 a_{11} a_{22} a_{21} - c_1 a_{12} a_{22} a_{21} + a_{12} c_2 a_{21}^2 \geq 0$$

$$-a_{11}^3 a_{22}^3 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + a_{12}^3 a_{21}^3 > 0$$

$$a_{11}^3 a_{22}^3 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 > 0$$

$$a_{11}^8 a_{22}^8 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 -$$

$$56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + a_{12}^8 a_{21}^8 \geq 0$$

$$a_{11}^8 a_{22}^8 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 -$$

$$56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + a_{12}^8 a_{21}^8 > 0$$

pot #61:

symbol a_{12} : $(-inf, 0.0)$

symbol c_1 : $(-inf, 0.0)$

symbol c_2 : $(-0.0, inf)$

symbol $a_{11} : (-0.0, inf)$

symbol $a_{22} : (-0.0, inf)$

symbol $b_1 : [-0.0, inf)$

symbol $b_2 : -0.0$

symbol $a_{21} : (-inf, 0.0)$

$$-c_2 a_{11} + c_1 a_{12} > 0$$

$$a_{11} a_{22} - a_{12} a_{21} > 0$$

$$c_1 a_{22} - c_2 a_{21} > 0$$

$$-a_{11}^3 a_{22}^3 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + a_{12}^3 a_{21}^3 \geq 0$$

$$a_{11}^2 a_{22}^2 - 2.00 \cdot a_{12} a_{11} a_{22} a_{21} + a_{12}^2 a_{21}^2 > 0$$

$$c_1 a_{11} a_{22}^2 - c_2 a_{11} a_{22} a_{21} - c_1 a_{12} a_{22} a_{21} + a_{12} c_2 a_{21}^2 \geq 0$$

$$-a_{11}^3 a_{22}^3 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + a_{12}^3 a_{21}^3 > 0$$

$$a_{11}^3 a_{22}^3 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 > 0$$

$$-a_{11}^8 a_{22}^8 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 +$$

$$56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - a_{12}^8 a_{21}^8 \geq 0$$

$$-a_{11}^8 a_{22}^8 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 +$$

$$56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - a_{12}^8 a_{21}^8 > 0$$

pot #62:

symbol $a_{12} : (-inf, 0.0)$

symbol $c_1 : (-inf, 0.0)$

symbol $c_2 : (-0.0, inf)$

symbol $a_{11} : (-0.0, inf)$

symbol $a_{22} : (-0.0, inf)$

symbol $b_1 : -0.0$

symbol $b_2 : -0.0$

symbol $a_{21} : (-inf, 0.0)$

$$-c_2 a_{11} + c_1 a_{12} > 0$$

$$a_{11} a_{22} - a_{12} a_{21} > 0$$

$$c_1 a_{22} - c_2 a_{21} > 0$$

$$-a_{11}^3 a_{22}^3 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + a_{12}^3 a_{21}^3 \geq 0$$

$$a_{11}^2 a_{22}^2 - 2.00 \cdot a_{12} a_{11} a_{22} a_{21} + a_{12}^2 a_{21}^2 > 0$$

$$c_1 a_{11} a_{22}^2 - c_2 a_{11} a_{22} a_{21} - c_1 a_{12} a_{22} a_{21} + a_{12} c_2 a_{21}^2 \geq 0$$

$$-a_{11}^3 a_{22}^3 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + a_{12}^3 a_{21}^3 > 0$$

$$a_{11}^3 a_{22}^3 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 > 0$$

$$a_{11}^8 a_{22}^8 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 -$$

$$56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + a_{12}^8 a_{21}^8 \geq 0$$

$$-a_{11}^8 a_{22}^8 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 +$$

$$56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - a_{12}^8 a_{21}^8 > 0$$

pot #63:

symbol $a_{12} : (-inf, 0.0)$

symbol $c_1 : (-inf, 0.0)$

symbol $c_2 : (-0.0, inf)$

symbol $a_{11} : (-0.0, inf)$

symbol $a_{22} : (-0.0, inf)$

symbol $b_1 : -0.0$

symbol $b_2 : -0.0$

symbol $a_{21} : (-inf, 0.0)$

$$-c_2 a_{11} + c_1 a_{12} > 0$$

$$a_{11} a_{22} - a_{12} a_{21} > 0$$

$$c_1 a_{22} - c_2 a_{21} > 0$$

$$\begin{aligned}
& -a_{11}^3 a_{22}^3 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + a_{12}^3 a_{21}^3 \geq 0 \\
& a_{11}^2 a_{22}^2 - 2.00 \cdot a_{12} a_{11} a_{22} a_{21} + a_{12}^2 a_{21}^2 > 0 \\
& c_1 a_{11} a_{22}^2 - c_2 a_{11} a_{22} a_{21} - c_1 a_{12} a_{22} a_{21} + a_{12} c_2 a_{21}^2 \geq 0 \\
& -a_{11}^3 a_{22}^3 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + a_{12}^3 a_{21}^3 > 0 \\
& a_{11}^3 a_{22}^3 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 > 0 \\
& -a_{11}^8 a_{22}^8 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 + \\
& 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - a_{12}^8 a_{21}^8 \geq 0 \\
& a_{11}^8 a_{22}^8 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 - \\
& 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + a_{12}^8 a_{21}^8 > 0
\end{aligned}$$

pot #64:

symbol a_{12} : $(-inf, 0.0)$

symbol c_1 : $(-inf, 0.0)$

symbol c_2 : $(-0.0, inf)$

symbol a_{11} : $(-0.0, inf)$

symbol a_{22} : $(-0.0, inf)$

symbol b_1 : $[-0.0, inf)$

symbol b_2 : -0.0

symbol a_{21} : $(-inf, 0.0)$

$$-c_2 a_{11} + c_1 a_{12} > 0$$

$$a_{11} a_{22} - a_{12} a_{21} > 0$$

$$c_1 a_{22} - c_2 a_{21} > 0$$

$$-a_{11}^3 a_{22}^3 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + a_{12}^3 a_{21}^3 \geq 0$$

$$a_{11}^2 a_{22}^2 - 2.00 \cdot a_{12} a_{11} a_{22} a_{21} + a_{12}^2 a_{21}^2 > 0$$

$$c_1 a_{11} a_{22}^2 - c_2 a_{11} a_{22} a_{21} - c_1 a_{12} a_{22} a_{21} + a_{12} c_2 a_{21}^2 \geq 0$$

$$-a_{11}^3 a_{22}^3 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + a_{12}^3 a_{21}^3 > 0$$

$$a_{11}^8 a_{22}^8 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 -$$

$$56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + a_{12}^8 a_{21}^8 \geq 0$$

$$a_{11}^8 a_{22}^8 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 -$$

$$56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + a_{12}^8 a_{21}^8 > 0$$

pot #65:

symbol a_{12} : $(-inf, 0.0)$

symbol c_1 : $(-inf, 0.0)$

symbol c_2 : $(-0.0, inf)$

symbol a_{11} : $(-0.0, inf)$

symbol a_{22} : $(-0.0, inf)$

symbol b_1 : $[-0.0, inf)$

symbol b_2 : -0.0

symbol a_{21} : $(-inf, 0.0)$

$$-c_2 a_{11} + c_1 a_{12} > 0$$

$$a_{11} a_{22} - a_{12} a_{21} > 0$$

$$c_1 a_{22} - c_2 a_{21} > 0$$

$$-a_{11}^3 a_{22}^3 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + a_{12}^3 a_{21}^3 \geq 0$$

$$a_{11}^2 a_{22}^2 - 2.00 \cdot a_{12} a_{11} a_{22} a_{21} + a_{12}^2 a_{21}^2 > 0$$

$$c_1 a_{11} a_{22}^2 - c_2 a_{11} a_{22} a_{21} - c_1 a_{12} a_{22} a_{21} + a_{12} c_2 a_{21}^2 \geq 0$$

$$-a_{11}^3 a_{22}^3 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + a_{12}^3 a_{21}^3 > 0$$

$$-a_{11}^8 a_{22}^8 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 +$$

$$56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - a_{12}^8 a_{21}^8 \geq 0$$

$$-a_{11}^8 a_{22}^8 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 +$$

$$56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - a_{12}^8 a_{21}^8 > 0$$

pot #66:

symbol $a_{12} : (-inf, 0.0)$
symbol $c_1 : (-inf, 0.0)$
symbol $c_2 : (-0.0, inf)$
symbol $a_{11} : (-0.0, inf)$
symbol $a_{22} : (-0.0, inf)$
symbol $b_1 : -0.0$
symbol $b_2 : -0.0$
symbol $a_{21} : (-inf, 0.0)$
 $-c_2a_{11} + c_1a_{12} > 0$
 $a_{11}a_{22} - a_{12}a_{21} > 0$
 $c_1a_{22} - c_2a_{21} > 0$
 $-a_{11}^3a_{22}^3 + 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} - 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 + a_{12}^3a_{21}^3 \geq 0$
 $a_{11}^2a_{22}^2 - 2.00 \cdot a_{12}a_{11}a_{22}a_{21} + a_{12}^2a_{21}^2 > 0$
 $c_1a_{11}a_{22}^2 - c_2a_{11}a_{22}a_{21} - c_1a_{12}a_{22}a_{21} + a_{12}c_2a_{21}^2 \geq 0$
 $-a_{11}^3a_{22}^3 + 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} - 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 + a_{12}^3a_{21}^3 > 0$
 $a_{11}^8a_{22}^8 - 8.00 \cdot a_{12}a_{11}^7a_{22}^7a_{21} + 28.00 \cdot a_{12}^2a_{11}^6a_{22}^6a_{21}^2 - 56.00 \cdot a_{12}^3a_{11}^5a_{22}^5a_{21}^3 + 70.00 \cdot a_{12}^4a_{11}^4a_{22}^4a_{21}^4 -$
 $56.00 \cdot a_{12}^5a_{11}^3a_{22}^3a_{21}^5 + 28.00 \cdot a_{12}^6a_{11}^2a_{22}^2a_{21}^6 - 8.00 \cdot a_{12}^7a_{11}a_{22}a_{21}^7 + a_{12}^8a_{21}^8 \geq 0$
 $-a_{11}^8a_{22}^8 + 8.00 \cdot a_{12}a_{11}^7a_{22}^7a_{21} - 28.00 \cdot a_{12}^2a_{11}^6a_{22}^6a_{21}^2 + 56.00 \cdot a_{12}^3a_{11}^5a_{22}^5a_{21}^3 - 70.00 \cdot a_{12}^4a_{11}^4a_{22}^4a_{21}^4 +$
 $56.00 \cdot a_{12}^5a_{11}^3a_{22}^3a_{21}^5 - 28.00 \cdot a_{12}^6a_{11}^2a_{22}^2a_{21}^6 + 8.00 \cdot a_{12}^7a_{11}a_{22}a_{21}^7 - a_{12}^8a_{21}^8 > 0$
pot #67:

symbol $a_{12} : (-inf, 0.0)$
symbol $c_1 : (-inf, 0.0)$
symbol $c_2 : (-0.0, inf)$
symbol $a_{11} : (-0.0, inf)$
symbol $a_{22} : (-0.0, inf)$
symbol $b_1 : -0.0$
symbol $b_2 : -0.0$
symbol $a_{21} : (-inf, 0.0)$
 $-c_2a_{11} + c_1a_{12} > 0$
 $a_{11}a_{22} - a_{12}a_{21} > 0$
 $c_1a_{22} - c_2a_{21} > 0$
 $-a_{11}^3a_{22}^3 + 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} - 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 + a_{12}^3a_{21}^3 \geq 0$
 $a_{11}^2a_{22}^2 - 2.00 \cdot a_{12}a_{11}a_{22}a_{21} + a_{12}^2a_{21}^2 > 0$
 $c_1a_{11}a_{22}^2 - c_2a_{11}a_{22}a_{21} - c_1a_{12}a_{22}a_{21} + a_{12}c_2a_{21}^2 \geq 0$
 $-a_{11}^3a_{22}^3 + 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} - 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 + a_{12}^3a_{21}^3 > 0$
 $-a_{11}^8a_{22}^8 + 8.00 \cdot a_{12}a_{11}^7a_{22}^7a_{21} - 28.00 \cdot a_{12}^2a_{11}^6a_{22}^6a_{21}^2 + 56.00 \cdot a_{12}^3a_{11}^5a_{22}^5a_{21}^3 - 70.00 \cdot a_{12}^4a_{11}^4a_{22}^4a_{21}^4 +$
 $56.00 \cdot a_{12}^5a_{11}^3a_{22}^3a_{21}^5 - 28.00 \cdot a_{12}^6a_{11}^2a_{22}^2a_{21}^6 + 8.00 \cdot a_{12}^7a_{11}a_{22}a_{21}^7 - a_{12}^8a_{21}^8 \geq 0$
 $a_{11}^8a_{22}^8 - 8.00 \cdot a_{12}a_{11}^7a_{22}^7a_{21} + 28.00 \cdot a_{12}^2a_{11}^6a_{22}^6a_{21}^2 - 56.00 \cdot a_{12}^3a_{11}^5a_{22}^5a_{21}^3 + 70.00 \cdot a_{12}^4a_{11}^4a_{22}^4a_{21}^4 -$
 $56.00 \cdot a_{12}^5a_{11}^3a_{22}^3a_{21}^5 + 28.00 \cdot a_{12}^6a_{11}^2a_{22}^2a_{21}^6 - 8.00 \cdot a_{12}^7a_{11}a_{22}a_{21}^7 + a_{12}^8a_{21}^8 > 0$

x_2	$\frac{b_1a_{11}^8a_{22}^8 - 8.00 \cdot b_1a_{12}a_{11}^7a_{22}^7a_{21} + 28.00 \cdot b_1a_{12}^2a_{11}^6a_{22}^6a_{21}^2 - 56.00 \cdot b_1a_{12}^3a_{11}^5a_{22}^5a_{21}^3 + 70.00 \cdot b_1a_{12}^4a_{11}^4a_{22}^4a_{21}^4 - 56.00 \cdot b_1a_{12}^5a_{11}^3a_{22}^3a_{21}^5 + 28.00 \cdot b_1a_{12}^6a_{11}^2a_{22}^2a_{21}^6 - 8.00 \cdot b_1a_{12}^7a_{11}a_{22}a_{21}^7 + a_{12}^8a_{21}^8}{a_{11}^8a_{22}^8 - 8.00 \cdot a_{12}a_{11}^7a_{22}^7a_{21} + 28.00 \cdot a_{12}^2a_{11}^6a_{22}^6a_{21}^2 - 56.00 \cdot a_{12}^3a_{11}^5a_{22}^5a_{21}^3 + 70.00 \cdot a_{12}^4a_{11}^4a_{22}^4a_{21}^4 - 56.00 \cdot a_{12}^5a_{11}^3a_{22}^3a_{21}^5 + 28.00 \cdot a_{12}^6a_{11}^2a_{22}^2a_{21}^6 - 8.00 \cdot a_{12}^7a_{11}a_{22}a_{21}^7 + a_{12}^8a_{21}^8}$
x_3	$\frac{b_2a_{11}^6a_{22}^6 - 6.00 \cdot a_{12}b_2a_{11}^5a_{22}^5a_{21} + 15.00 \cdot a_{12}^2b_2a_{11}^4a_{22}^4a_{21}^2 - 20.00 \cdot a_{12}^3b_2a_{11}^3a_{22}^3a_{21}^3 + 15.00 \cdot a_{12}^4b_2a_{11}^2a_{22}^2a_{21}^4 - 6.00 \cdot a_{12}^5b_2a_{11}a_{22}a_{21}^5 + a_{12}^6b_2a_{21}^6}{a_{11}^6a_{22}^6 - 6.00 \cdot a_{12}a_{11}^5a_{22}^5a_{21} + 15.00 \cdot a_{12}^2a_{11}^4a_{22}^4a_{21}^2 - 20.00 \cdot a_{12}^3a_{11}^3a_{22}^3a_{21}^3 + 15.00 \cdot a_{12}^4a_{11}^2a_{22}^2a_{21}^4 - 6.00 \cdot a_{12}^5a_{11}a_{22}a_{21}^5 + a_{12}^6a_{21}^6}$
Ψ	0.0

Table #0.1.0.-1

pots:

pot #0:

symbol $a_{12} : (-0.0, inf)$

symbol $c_1 : (-inf, 0.0)$

symbol $c_2 : (-inf, 0.0]$

symbol $a_{11} : (-0.0, inf)$

symbol $a_{22} : (-0.0, inf)$

symbol $b_1 : [-0.0, inf)$

symbol $b_2 : [-0.0, inf)$

symbol $a_{21} : (-0.0, inf)$

$$b_2 a_{11} - b_1 a_{21} \geq 0$$

$$-c_2 a_{11} + c_1 a_{12} > 0$$

$$a_{11} a_{22} - a_{12} a_{21} > 0$$

$$b_1 a_{22} - a_{12} b_2 \geq 0$$

$$c_1 a_{22} - c_2 a_{21} > 0$$

$$c_1 a_{11} a_{22}^2 - c_2 a_{11} a_{22} a_{21} - c_1 a_{12} a_{22} a_{21} + a_{12} c_2 a_{21}^2 \geq 0$$

$$-a_{11}^3 a_{22}^3 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + a_{12}^3 a_{21}^3 \geq 0$$

$$-a_{11}^3 a_{22}^3 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + a_{12}^3 a_{21}^3 > 0$$

pot #1:

symbol $a_{12} : (-0.0, inf)$

symbol $c_1 : (-inf, 0.0)$

symbol $c_2 : (-inf, 0.0]$

symbol $a_{11} : (-0.0, inf)$

symbol $a_{22} : (-0.0, inf)$

symbol $b_1 : [-0.0, inf)$

symbol $b_2 : [-0.0, inf)$

symbol $a_{21} : (-0.0, inf)$

$$b_2 a_{11} - b_1 a_{21} \geq 0$$

$$-c_2 a_{11} + c_1 a_{12} > 0$$

$$a_{11} a_{22} - a_{12} a_{21} > 0$$

$$b_1 a_{22} - a_{12} b_2 \geq 0$$

$$c_1 a_{22} - c_2 a_{21} > 0$$

$$c_1 a_{11} a_{22}^2 - c_2 a_{11} a_{22} a_{21} - c_1 a_{12} a_{22} a_{21} + a_{12} c_2 a_{21}^2 \geq 0$$

$$a_{11}^3 a_{22}^3 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 \geq 0$$

$$a_{11}^3 a_{22}^3 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 > 0$$

pot #2:

symbol $a_{12} : (-inf, 0.0]$

symbol $c_1 : (-inf, 0.0)$

symbol $c_2 : (-inf, 0.0]$

symbol $a_{11} : (-0.0, inf)$

symbol $a_{22} : (-0.0, inf)$

symbol $b_1 : [-0.0, inf)$

symbol $b_2 : [-0.0, inf)$

symbol $a_{21} : (-0.0, inf)$

$$b_2 a_{11} - b_1 a_{21} \geq 0$$

$$-c_2 a_{11} + c_1 a_{12} > 0$$

$$a_{11} a_{22} - a_{12} a_{21} > 0$$

$$c_1 a_{22} - c_2 a_{21} > 0$$

$$c_1 a_{11} a_{22}^2 - c_2 a_{11} a_{22} a_{21} - c_1 a_{12} a_{22} a_{21} + a_{12} c_2 a_{21}^2 \geq 0$$

$$a_{11}^3 a_{22}^3 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 \geq 0$$

$$a_{11}^3 a_{22}^3 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 > 0$$

pot #3:

$$\text{symbol } a_{12} : (-inf, 0.0]$$

$$\text{symbol } c_1 : (-inf, 0.0)$$

$$\text{symbol } c_2 : [-0.0, inf)$$

$$\text{symbol } a_{11} : (-0.0, inf)$$

$$\text{symbol } a_{22} : (-0.0, inf)$$

$$\text{symbol } b_1 : [-0.0, inf)$$

$$\text{symbol } b_2 : [-0.0, inf)$$

$$\text{symbol } a_{21} : (-inf, 0.0)$$

$$-c_2 a_{11} + c_1 a_{12} > 0$$

$$a_{11} a_{22} - a_{12} a_{21} > 0$$

$$c_1 a_{22} - c_2 a_{21} > 0$$

$$a_{11}^3 a_{22}^3 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 \geq 0$$

$$a_{11}^2 a_{22}^2 - 2.00 \cdot a_{12} a_{11} a_{22} a_{21} + a_{12}^2 a_{21}^2 > 0$$

$$c_1 a_{11} a_{22}^2 - c_2 a_{11} a_{22} a_{21} - c_1 a_{12} a_{22} a_{21} + a_{12} c_2 a_{21}^2 \geq 0$$

$$-a_{11}^3 a_{22}^3 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + a_{12}^3 a_{21}^3 \geq 0$$

$$a_{11}^3 a_{22}^3 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 > 0$$

pot #4:

$$\text{symbol } a_{12} : (-inf, 0.0]$$

$$\text{symbol } c_1 : (-inf, 0.0)$$

$$\text{symbol } c_2 : [-0.0, inf)$$

$$\text{symbol } a_{11} : (-0.0, inf)$$

$$\text{symbol } a_{22} : (-0.0, inf)$$

$$\text{symbol } b_1 : [-0.0, inf)$$

$$\text{symbol } b_2 : [-0.0, inf)$$

$$\text{symbol } a_{21} : (-inf, 0.0)$$

$$-c_2 a_{11} + c_1 a_{12} > 0$$

$$a_{11} a_{22} - a_{12} a_{21} > 0$$

$$c_1 a_{22} - c_2 a_{21} > 0$$

$$a_{11}^3 a_{22}^3 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 \geq 0$$

$$a_{11}^2 a_{22}^2 - 2.00 \cdot a_{12} a_{11} a_{22} a_{21} + a_{12}^2 a_{21}^2 > 0$$

$$c_1 a_{11} a_{22}^2 - c_2 a_{11} a_{22} a_{21} - c_1 a_{12} a_{22} a_{21} + a_{12} c_2 a_{21}^2 \geq 0$$

$$-a_{11}^3 a_{22}^3 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + a_{12}^3 a_{21}^3 > 0$$

pot #5:

$$\text{symbol } a_{12} : (-inf, 0.0]$$

$$\text{symbol } c_1 : (-inf, 0.0)$$

$$\text{symbol } c_2 : [-0.0, inf)$$

$$\text{symbol } a_{11} : (-0.0, inf)$$

$$\text{symbol } a_{22} : (-0.0, inf)$$

$$\text{symbol } b_1 : [-0.0, inf)$$

$$\text{symbol } b_2 : [-0.0, inf)$$

$$\text{symbol } a_{21} : (-inf, 0.0)$$

$$-c_2 a_{11} + c_1 a_{12} > 0$$

$$a_{11} a_{22} - a_{12} a_{21} > 0$$

$$c_1 a_{22} - c_2 a_{21} > 0$$

$$-a_{11}^3 a_{22}^3 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + a_{12}^3 a_{21}^3 \geq 0$$

$$-a_{11}^2 a_{22}^2 + 2.00 \cdot a_{12} a_{11} a_{22} a_{21} - a_{12}^2 a_{21}^2 > 0$$

$$c_1 a_{11} a_{22}^2 - c_2 a_{11} a_{22} a_{21} - c_1 a_{12} a_{22} a_{21} + a_{12} c_2 a_{21}^2 \geq 0$$

$$a_{11}^3 a_{22}^3 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 > 0$$

pot #6:

symbol $a_{12} : (-inf, 0.0]$

symbol $c_1 : (-inf, 0.0)$

symbol $c_2 : [-0.0, inf)$

symbol $a_{11} : (-0.0, inf)$

symbol $a_{22} : (-0.0, inf)$

symbol $b_1 : [-0.0, inf)$

symbol $b_2 : [-0.0, inf)$

symbol $a_{21} : (-inf, 0.0)$

$$-c_2 a_{11} + c_1 a_{12} > 0$$

$$a_{11} a_{22} - a_{12} a_{21} > 0$$

$$c_1 a_{22} - c_2 a_{21} > 0$$

$$-a_{11}^3 a_{22}^3 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + a_{12}^3 a_{21}^3 \geq 0$$

$$-a_{11}^2 a_{22}^2 + 2.00 \cdot a_{12} a_{11} a_{22} a_{21} - a_{12}^2 a_{21}^2 > 0$$

$$c_1 a_{11} a_{22}^2 - c_2 a_{11} a_{22} a_{21} - c_1 a_{12} a_{22} a_{21} + a_{12} c_2 a_{21}^2 \geq 0$$

$$a_{11}^3 a_{22}^3 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 \geq 0$$

$$-a_{11}^3 a_{22}^3 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + a_{12}^3 a_{21}^3 > 0$$

pot #7:

symbol $a_{12} : (-inf, 0.0]$

symbol $c_1 : (-inf, 0.0)$

symbol $c_2 : [-0.0, inf)$

symbol $a_{11} : (-0.0, inf)$

symbol $a_{22} : (-0.0, inf)$

symbol $b_1 : [-0.0, inf)$

symbol $b_2 : -0.0$

symbol $a_{21} : (-inf, 0.0)$

$$-c_2 a_{11} + c_1 a_{12} > 0$$

$$a_{11} a_{22} - a_{12} a_{21} > 0$$

$$c_1 a_{22} - c_2 a_{21} > 0$$

$$a_{11}^3 a_{22}^3 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 \geq 0$$

$$-a_{11}^2 a_{22}^2 + 2.00 \cdot a_{12} a_{11} a_{22} a_{21} - a_{12}^2 a_{21}^2 > 0$$

$$c_1 a_{11} a_{22}^2 - c_2 a_{11} a_{22} a_{21} - c_1 a_{12} a_{22} a_{21} + a_{12} c_2 a_{21}^2 \geq 0$$

$$-a_{11}^3 a_{22}^3 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + a_{12}^3 a_{21}^3 \geq 0$$

$$a_{11}^3 a_{22}^3 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 > 0$$

pot #8:

symbol $a_{12} : (-inf, 0.0]$

symbol $c_1 : (-inf, 0.0)$

symbol $c_2 : [-0.0, inf)$

symbol $a_{11} : (-0.0, inf)$

symbol $a_{22} : (-0.0, inf)$

symbol $b_1 : [-0.0, inf)$

symbol $b_2 : -0.0$

symbol $a_{21} : (-inf, 0.0)$

$$-c_2 a_{11} + c_1 a_{12} > 0$$

$$a_{11} a_{22} - a_{12} a_{21} > 0$$

$$c_1 a_{22} - c_2 a_{21} > 0$$

$$a_{11}^3 a_{22}^3 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 \geq 0$$

$$-a_{11}^2 a_{22}^2 + 2.00 \cdot a_{12} a_{11} a_{22} a_{21} - a_{12}^2 a_{21}^2 > 0$$

$$c_1 a_{11} a_{22}^2 - c_2 a_{11} a_{22} a_{21} - c_1 a_{12} a_{22} a_{21} + a_{12} c_2 a_{21}^2 \geq 0$$

$$-a_{11}^3 a_{22}^3 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + a_{12}^3 a_{21}^3 > 0$$

pot #9:

symbol $a_{12} : (-inf, 0.0]$

symbol $c_1 : (-inf, 0.0)$

symbol $c_2 : [-0.0, inf)$

symbol $a_{11} : (-0.0, inf)$

symbol $a_{22} : (-0.0, inf)$

symbol $b_1 : [-0.0, inf)$

symbol $b_2 : -0.0$

symbol $a_{21} : (-inf, 0.0)$

$$-c_2 a_{11} + c_1 a_{12} > 0$$

$$a_{11} a_{22} - a_{12} a_{21} > 0$$

$$c_1 a_{22} - c_2 a_{21} > 0$$

$$-a_{11}^3 a_{22}^3 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + a_{12}^3 a_{21}^3 \geq 0$$

$$a_{11}^2 a_{22}^2 - 2.00 \cdot a_{12} a_{11} a_{22} a_{21} + a_{12}^2 a_{21}^2 > 0$$

$$c_1 a_{11} a_{22}^2 - c_2 a_{11} a_{22} a_{21} - c_1 a_{12} a_{22} a_{21} + a_{12} c_2 a_{21}^2 \geq 0$$

$$a_{11}^3 a_{22}^3 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 > 0$$

pot #10:

symbol $a_{12} : (-inf, 0.0]$

symbol $c_1 : (-inf, 0.0)$

symbol $c_2 : [-0.0, inf)$

symbol $a_{11} : (-0.0, inf)$

symbol $a_{22} : (-0.0, inf)$

symbol $b_1 : [-0.0, inf)$

symbol $b_2 : -0.0$

symbol $a_{21} : (-inf, 0.0)$

$$-c_2 a_{11} + c_1 a_{12} > 0$$

$$a_{11} a_{22} - a_{12} a_{21} > 0$$

$$c_1 a_{22} - c_2 a_{21} > 0$$

$$-a_{11}^3 a_{22}^3 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + a_{12}^3 a_{21}^3 \geq 0$$

$$a_{11}^2 a_{22}^2 - 2.00 \cdot a_{12} a_{11} a_{22} a_{21} + a_{12}^2 a_{21}^2 > 0$$

$$c_1 a_{11} a_{22}^2 - c_2 a_{11} a_{22} a_{21} - c_1 a_{12} a_{22} a_{21} + a_{12} c_2 a_{21}^2 \geq 0$$

$$a_{11}^3 a_{22}^3 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 \geq 0$$

$$-a_{11}^3 a_{22}^3 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + a_{12}^3 a_{21}^3 > 0$$

		x_0	x_1	
x_2	$\frac{b_1 a_{11} a_{22}^2 - b_1 a_{21} a_{22} a_{12} - a_{12} b_2 a_{11} a_{22} + a_{12}^2 b_2 a_{21}}{a_{11} a_{22}^2 - a_{12} a_{22} a_{21}}$	$\frac{a_{11} a_{22} - a_{12} a_{21}}{a_{22}}$	0.0	1
x_1	$\frac{b_2 a_{11}^3 a_{22}^3 - 3.00 \cdot a_{12} b_2 a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 b_2 a_{11} a_{22} a_{21}^2 - a_{12}^3 b_2 a_{21}^3}{a_{11}^3 a_{22}^3 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{22} a_{21}^3}$	$\frac{a_{11} a_{22} a_{21} - a_{12} a_{21}^2}{a_{11} a_{22}^2 - a_{12} a_{22} a_{21}}$	1.00	
Ψ	$\frac{-b_2 c_2 a_{11}^3 a_{22}^3 + 3.00 \cdot a_{12} c_2 a_{11}^2 a_{22}^2 b_2 a_{21} - 3.00 \cdot a_{12}^2 c_2 a_{11} a_{22} b_2 a_{21}^2 + a_{12}^3 b_2 c_2 a_{21}^3}{a_{11}^3 a_{22}^3 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{22} a_{21}^3}$	$\frac{c_1 a_{11} a_{22}^2 - c_2 a_{11} a_{22} a_{21} - c_1 a_{12} a_{22} a_{21} + a_{12} c_2 a_{21}^2}{a_{11} a_{22}^2 - a_{12} a_{22} a_{21}}$	0.0	

Table #0.1.1

Moving out basis: x_1 from line: 1

Moving to basis: x_2

pots:

pot #0:

symbol a_{12} : $(-0.0, inf)$

symbol c_1 : $(-inf, 0.0)$

symbol a_{11} : $(-0.0, inf)$

symbol a_{22} : $(-inf, 0.0]$

symbol b_1 : $[-0.0, inf)$

symbol b_2 : $[-0.0, inf)$

symbol a_{21} : $(-inf, 0.0)$

$-c_2a_{11} + c_1a_{12} > 0$

$a_{11}a_{22} - a_{12}a_{21} > 0$

$b_1a_{22} - a_{12}b_2 \geq 0$

$c_1a_{22} - c_2a_{21} > 0$

pot #1:

symbol a_{12} : $(-inf, 0.0]$

symbol c_1 : $(-inf, 0.0)$

symbol a_{11} : $(-0.0, inf)$

symbol a_{22} : $(-0.0, inf)$

symbol b_1 : $[-0.0, inf)$

symbol b_2 : $[-0.0, inf)$

symbol a_{21} : $(-inf, 0.0)$

$-c_2a_{11} + c_1a_{12} > 0$

$a_{11}a_{22} - a_{12}a_{21} > 0$

$c_1a_{22} - c_2a_{21} > 0$

$3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} - 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 + a_{12}^3a_{21}^3 - a_{11}^3a_{22}^3 \geq 0$

$a_{11}^2a_{22}^2 - 2.00 \cdot a_{12}a_{11}a_{22}a_{21} + a_{12}^2a_{21}^2 > 0$

pot #2:

symbol a_{12} : $(-inf, 0.0]$

symbol c_1 : $(-inf, 0.0)$

symbol a_{11} : $(-0.0, inf)$

symbol a_{22} : $(-0.0, inf)$

symbol b_1 : $[-0.0, inf)$

symbol b_2 : $[-0.0, inf)$

symbol a_{21} : $(-inf, 0.0)$

$-c_2a_{11} + c_1a_{12} > 0$

$a_{11}a_{22} - a_{12}a_{21} > 0$

$c_1a_{22} - c_2a_{21} > 0$

$-3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} + 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 - a_{12}^3a_{21}^3 + a_{11}^3a_{22}^3 \geq 0$

$-a_{11}^2a_{22}^2 + 2.00 \cdot a_{12}a_{11}a_{22}a_{21} - a_{12}^2a_{21}^2 > 0$

pot #3:

symbol a_{12} : $(-inf, 0.0]$

symbol c_1 : $(-inf, 0.0)$

symbol a_{11} : $(-0.0, inf)$

symbol a_{22} : $(-0.0, inf)$

symbol b_1 : $[-0.0, inf)$

symbol b_2 : -0.0

symbol $a_{21} : (-inf, 0.0)$

$$-c_2 a_{11} + c_1 a_{12} > 0$$

$$a_{11} a_{22} - a_{12} a_{21} > 0$$

$$c_1 a_{22} - c_2 a_{21} > 0$$

$$3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + a_{12}^3 a_{21}^3 - a_{11}^3 a_{22}^3 \geq 0$$

$$-a_{11}^2 a_{22}^2 + 2.00 \cdot a_{12} a_{11} a_{22} a_{21} - a_{12}^2 a_{21}^2 > 0$$

pot #4:

symbol $a_{12} : (-inf, 0.0]$

symbol $c_1 : (-inf, 0.0)$

symbol $a_{11} : (-0.0, inf)$

symbol $a_{22} : (-0.0, inf)$

symbol $b_1 : [-0.0, inf)$

symbol $b_2 : -0.0$

symbol $a_{21} : (-inf, 0.0)$

$$-c_2 a_{11} + c_1 a_{12} > 0$$

$$a_{11} a_{22} - a_{12} a_{21} > 0$$

$$c_1 a_{22} - c_2 a_{21} > 0$$

$$-3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 + a_{11}^3 a_{22}^3 \geq 0$$

$$a_{11}^2 a_{22}^2 - 2.00 \cdot a_{12} a_{11} a_{22} a_{21} + a_{12}^2 a_{21}^2 > 0$$

		x_0	x_1	
x_0	$\frac{3.00 \cdot a_{12} b_2 a_{11}^2 a_{22}^2 a_{21} - 3.00 \cdot a_{12}^2 b_2 a_{11} a_{22} a_{21}^2 + a_{12}^3 b_2 a_{21}^3 - b_2 a_{11}^3 a_{22}^3}{-a_{11}^3 a_{22}^3 a_{21} + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21}^2 - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^3 + a_{12}^3 a_{21}^4}$	1.00	$\frac{-a_{11} a_{22}^2 + a_{12} a_{22} a_{21}}{-a_{11} a_{22} a_{21} + a_{12} a_{21}^2}$	
x_2	$\frac{b_2 a_{11}^2 a_{22} - a_{12} b_2 a_{11} a_{21} - b_1 a_{11} a_{22} a_{21} + b_1 a_{12} a_{21}^2}{-a_{11} a_{22} a_{21} + a_{12} a_{21}^2}$	0.0	$\frac{a_{11} a_{22} - a_{12} a_{21}}{-a_{21}}$	1
Ψ	$\frac{-3.00 \cdot a_{12} c_1 a_{11}^2 a_{22}^2 b_2 a_{21} + 3.00 \cdot a_{12}^2 c_1 a_{11} a_{22} b_2 a_{21}^2 - c_1 a_{12}^3 b_2 a_{21}^3 + c_1 b_2 a_{11}^3 a_{22}^3}{-a_{11}^3 a_{22}^3 a_{21} + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21}^2 - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^3 + a_{12}^3 a_{21}^4}$	0.0	$\frac{c_1 a_{11} a_{22}^2 - c_2 a_{11} a_{22} a_{21} - c_1 a_{12} a_{22} a_{21} + a_{12} c_2 a_{21}^2}{-a_{11} a_{22} a_{21} + a_{12} a_{21}^2}$	

Table #0.1.1.0

Moving out basis: x_0 from line: 0

Moving to basis: x_1

pots:

pot #0:

symbol a_{12} : $(-0.0, inf)$

symbol c_1 : $(-inf, 0.0)$

symbol a_{11} : $(-0.0, inf)$

symbol a_{22} : $(-inf, 0.0)$

symbol b_1 : $[-0.0, inf)$

symbol b_2 : $[-0.0, inf)$

symbol a_{21} : $(-inf, 0.0)$

$$-c_2a_{11} + c_1a_{12} > 0$$

$$a_{11}a_{22} - a_{12}a_{21} > 0$$

$$b_1a_{22} - a_{12}b_2 \geq 0$$

$$c_1a_{22} - c_2a_{21} > 0$$

$$-c_1a_{11}a_{22}^2 + c_2a_{11}a_{22}a_{21} + c_1a_{12}a_{22}a_{21} - a_{12}c_2a_{21}^2 > 0$$

$$-a_{12}b_2a_{11}^5a_{22}^5 + 5.00 \cdot a_{12}^2b_2a_{11}^4a_{22}^4a_{21} - 10.00 \cdot a_{12}^3b_2a_{11}^3a_{22}^3a_{21}^2 + 10.00 \cdot a_{12}^4b_2a_{11}^2a_{22}^2a_{21}^3 - 5.00 \cdot$$

$$a_{12}^5b_2a_{11}a_{22}a_{21}^4 + b_1a_{11}^5a_{22}^6 - 5.00 \cdot b_1a_{12}a_{11}^4a_{22}^5a_{21} + 10.00 \cdot b_1a_{12}^2a_{11}^3a_{22}^4a_{21}^2 - 10.00 \cdot$$

$$b_1a_{12}^3a_{11}^2a_{22}^3a_{21}^3 + 5.00 \cdot b_1a_{12}^4a_{11}a_{22}^2a_{21}^4 - b_1a_{12}^5a_{22}a_{21}^5 + a_{12}^6b_2a_{21}^5 \geq 0$$

$$-a_{11}^6a_{22}^6 + 6.00 \cdot a_{12}a_{11}^5a_{22}^5a_{21} - 15.00 \cdot a_{12}^2a_{11}^4a_{22}^4a_{21}^2 + 20.00 \cdot a_{12}^3a_{11}^3a_{22}^3a_{21}^3 - 15.00 \cdot a_{12}^4a_{11}^2a_{22}^2a_{21}^4 +$$

$$6.00 \cdot a_{12}^5a_{11}a_{22}a_{21}^5 - a_{12}^6a_{21}^6 > 0$$

pot #1:

symbol a_{12} : $(-0.0, inf)$

symbol c_1 : $(-inf, 0.0)$

symbol a_{11} : $(-0.0, inf)$

symbol a_{22} : $(-inf, 0.0)$

symbol b_1 : $[-0.0, inf)$

symbol b_2 : $[-0.0, inf)$

symbol a_{21} : $(-inf, 0.0)$

$$-c_2a_{11} + c_1a_{12} > 0$$

$$a_{11}a_{22} - a_{12}a_{21} > 0$$

$$b_1a_{22} - a_{12}b_2 \geq 0$$

$$c_1a_{22} - c_2a_{21} > 0$$

$$-c_1a_{11}a_{22}^2 + c_2a_{11}a_{22}a_{21} + c_1a_{12}a_{22}a_{21} - a_{12}c_2a_{21}^2 > 0$$

$$a_{12}b_2a_{11}^5a_{22}^5 - 5.00 \cdot a_{12}^2b_2a_{11}^4a_{22}^4a_{21} + 10.00 \cdot a_{12}^3b_2a_{11}^3a_{22}^3a_{21}^2 - 10.00 \cdot a_{12}^4b_2a_{11}^2a_{22}^2a_{21}^3 + 5.00 \cdot$$

$$a_{12}^5b_2a_{11}a_{22}a_{21}^4 - b_1a_{11}^5a_{22}^6 + 5.00 \cdot b_1a_{21}a_{11}^4a_{22}^5a_{12} - 10.00 \cdot b_1a_{21}^2a_{11}^3a_{22}^4a_{12}^2 + 10.00 \cdot$$

$$b_1a_{21}^3a_{11}^2a_{22}^3a_{12}^3 - 5.00 \cdot b_1a_{21}^4a_{11}a_{22}^2a_{12}^4 + b_1a_{21}^5a_{22}a_{12}^5 - a_{12}^6b_2a_{21}^5 \geq 0$$

$$a_{11}^6a_{22}^6 - 6.00 \cdot a_{12}a_{11}^5a_{22}^5a_{21} + 15.00 \cdot a_{12}^2a_{11}^4a_{22}^4a_{21}^2 - 20.00 \cdot a_{12}^3a_{11}^3a_{22}^3a_{21}^3 + 15.00 \cdot a_{12}^4a_{11}^2a_{22}^2a_{21}^4 -$$

$$6.00 \cdot a_{12}^5a_{11}a_{22}a_{21}^5 + a_{12}^6a_{21}^6 > 0$$

x_1	$\frac{-4.00 \cdot a_{12}b_2a_{11}^3a_{22}^3a_{21} + 6.00 \cdot a_{12}^2b_2a_{11}^2a_{22}^2a_{21}^2 - 4.00 \cdot a_{12}^3b_2a_{11}a_{22}a_{21}^3 - a_{11}^4a_{22}^5 - 4.00 \cdot a_{12}a_{11}^3a_{22}^4a_{21} + 6.00 \cdot a_{12}^2a_{11}^2a_{22}^3a_{21}^2 - 4.00 \cdot a_{12}^3a_{11}a_{22}^2a_{21}^3 - a_{12}b_2a_{11}^5a_{22}^5 + 5.00 \cdot a_{12}^2b_2a_{11}^4a_{22}^4a_{21} - 10.00 \cdot a_{12}^3b_2a_{11}^3a_{22}^3a_{21}^2 + 10.00 \cdot a_{12}^4b_2a_{11}^2a_{22}^2a_{21}^3 + 5.00 \cdot a_{12}^5b_2a_{11}a_{22}a_{21}^4 - b_1a_{11}^5a_{22}^6 + 5.00 \cdot b_1a_{21}a_{11}^4a_{22}^5a_{12} - 10.00 \cdot b_1a_{21}^2a_{11}^3a_{22}^4a_{12}^2 + 10.00 \cdot b_1a_{21}^3a_{11}^2a_{22}^3a_{12}^3 - 5.00 \cdot b_1a_{21}^4a_{11}a_{22}^2a_{12}^4 + b_1a_{21}^5a_{22}a_{12}^5 - a_{12}^6b_2a_{21}^5}{a_{11}^6a_{22}^6 - 6.00 \cdot a_{12}a_{11}^5a_{22}^5a_{21} + 15.00 \cdot a_{12}^2a_{11}^4a_{22}^4a_{21}^2 - 20.00 \cdot a_{12}^3a_{11}^3a_{22}^3a_{21}^3 + 15.00 \cdot a_{12}^4a_{11}^2a_{22}^2a_{21}^4 - 6.00 \cdot a_{12}^5a_{11}a_{22}a_{21}^5 + a_{12}^6a_{21}^6}$
x_2	$\frac{8.00 \cdot a_{12}c_2a_{11}^7a_{22}^7b_2a_{21} - 28.00 \cdot a_{12}^2c_2a_{11}^6a_{22}^6b_2a_{21}^2 + 56.00 \cdot a_{12}^3c_2a_{11}^5a_{22}^5b_2a_{21}^3 - 70.00 \cdot a_{12}^4c_2a_{11}^4a_{22}^4b_2a_{21}^4 + 56.00 \cdot a_{12}^5c_2a_{11}^3a_{22}^3b_2a_{21}^5 - a_{11}^8a_{22}^9 - 8.00 \cdot a_{12}a_{11}^7a_{22}^8a_{21} + 28.00 \cdot a_{12}^2a_{11}^6a_{22}^7a_{21}^2 - 56.00 \cdot a_{12}^3a_{11}^5a_{22}^6a_{21}^3 + 70.00 \cdot a_{12}^4a_{11}^4a_{22}^5a_{21}^4 - 56.00 \cdot a_{12}^5a_{11}^3a_{22}^4a_{21}^5 + 28.00 \cdot a_{12}^6a_{11}^2a_{22}^3a_{21}^6 - 14.00 \cdot a_{12}^7a_{11}a_{22}^2a_{21}^7 + 7.00 \cdot a_{12}^8a_{11}a_{22}a_{21}^8 - a_{12}^9a_{21}^9}{a_{11}^8a_{22}^9 - 8.00 \cdot a_{12}a_{11}^7a_{22}^8a_{21} + 28.00 \cdot a_{12}^2a_{11}^6a_{22}^7a_{21}^2 - 56.00 \cdot a_{12}^3a_{11}^5a_{22}^6a_{21}^3 + 70.00 \cdot a_{12}^4a_{11}^4a_{22}^5a_{21}^4 - 56.00 \cdot a_{12}^5a_{11}^3a_{22}^4a_{21}^5 + 28.00 \cdot a_{12}^6a_{11}^2a_{22}^3a_{21}^6 - 14.00 \cdot a_{12}^7a_{11}a_{22}^2a_{21}^7 + 7.00 \cdot a_{12}^8a_{11}a_{22}a_{21}^8 - a_{12}^9a_{21}^9}$
Ψ	$\frac{8.00 \cdot a_{12}c_2a_{11}^7a_{22}^7b_2a_{21} - 28.00 \cdot a_{12}^2c_2a_{11}^6a_{22}^6b_2a_{21}^2 + 56.00 \cdot a_{12}^3c_2a_{11}^5a_{22}^5b_2a_{21}^3 - 70.00 \cdot a_{12}^4c_2a_{11}^4a_{22}^4b_2a_{21}^4 + 56.00 \cdot a_{12}^5c_2a_{11}^3a_{22}^3b_2a_{21}^5 - a_{11}^8a_{22}^9 - 8.00 \cdot a_{12}a_{11}^7a_{22}^8a_{21} + 28.00 \cdot a_{12}^2a_{11}^6a_{22}^7a_{21}^2 - 56.00 \cdot a_{12}^3a_{11}^5a_{22}^6a_{21}^3 + 70.00 \cdot a_{12}^4a_{11}^4a_{22}^5a_{21}^4 - 56.00 \cdot a_{12}^5a_{11}^3a_{22}^4a_{21}^5 + 28.00 \cdot a_{12}^6a_{11}^2a_{22}^3a_{21}^6 - 14.00 \cdot a_{12}^7a_{11}a_{22}^2a_{21}^7 + 7.00 \cdot a_{12}^8a_{11}a_{22}a_{21}^8 - a_{12}^9a_{21}^9}{a_{11}^8a_{22}^9 - 8.00 \cdot a_{12}a_{11}^7a_{22}^8a_{21} + 28.00 \cdot a_{12}^2a_{11}^6a_{22}^7a_{21}^2 - 56.00 \cdot a_{12}^3a_{11}^5a_{22}^6a_{21}^3 + 70.00 \cdot a_{12}^4a_{11}^4a_{22}^5a_{21}^4 - 56.00 \cdot a_{12}^5a_{11}^3a_{22}^4a_{21}^5 + 28.00 \cdot a_{12}^6a_{11}^2a_{22}^3a_{21}^6 - 14.00 \cdot a_{12}^7a_{11}a_{22}^2a_{21}^7 + 7.00 \cdot a_{12}^8a_{11}a_{22}a_{21}^8 - a_{12}^9a_{21}^9}$

Table #0.1.1.1

Moving out basis: x_2 from line: 1

Moving to basis: x_1

pots:

pot #0:

symbol a_{12} : $(-0.0, inf)$

symbol c_1 : $(-inf, 0.0)$

symbol a_{11} : $(-0.0, inf)$

symbol a_{22} : $(-inf, 0.0)$

symbol b_1 : $[-0.0, inf)$

symbol b_2 : $[-0.0, inf)$

symbol a_{21} : $(-inf, 0.0)$

$$-c_2a_{11} + c_1a_{12} > 0$$

$$a_{11}a_{22} - a_{12}a_{21} > 0$$

$$b_1a_{22} - a_{12}b_2 \geq 0$$

$$c_1a_{22} - c_2a_{21} > 0$$

$$-c_1a_{11}a_{22}^2 + c_2a_{11}a_{22}a_{21} + c_1a_{12}a_{22}a_{21} - a_{12}c_2a_{21}^2 > 0$$

$$a_{12}b_2a_{11}^5a_{22}^5 - 5.00 \cdot a_{12}^2b_2a_{11}^4a_{22}^4a_{21} + 10.00 \cdot a_{12}^3b_2a_{11}^3a_{22}^3a_{21}^2 - 10.00 \cdot a_{12}^4b_2a_{11}^2a_{22}^2a_{21}^3 + 5.00 \cdot$$

$$a_{12}^5b_2a_{11}a_{22}a_{21}^4 - a_{12}^6b_2a_{21}^5 - b_1a_{11}^5a_{22}^6 + 5.00 \cdot b_1a_{12}a_{11}^4a_{22}^5a_{21} - 10.00 \cdot a_{12}^2a_{21}^2a_{11}^3a_{22}^4b_1 + 10.00 \cdot$$

$$a_{12}^3a_{21}^3a_{11}^2a_{22}^3b_1 - 5.00 \cdot a_{12}^4a_{21}^4a_{11}a_{22}^2b_1 + a_{12}^5a_{21}^5a_{22}b_1 \geq 0$$

$$-a_{11}^6a_{22}^6 + 6.00 \cdot a_{12}a_{11}^5a_{22}^5a_{21} - 15.00 \cdot a_{12}^2a_{11}^4a_{22}^4a_{21}^2 + 20.00 \cdot a_{12}^3a_{11}^3a_{22}^3a_{21}^3 - 15.00 \cdot a_{12}^4a_{11}^2a_{22}^2a_{21}^4 +$$

$$6.00 \cdot a_{12}^5a_{11}a_{22}a_{21}^5 - a_{12}^6a_{21}^6 > 0$$

pot #1:

symbol a_{12} : $(-0.0, inf)$

symbol c_1 : $(-inf, 0.0)$

symbol a_{11} : $(-0.0, inf)$

symbol a_{22} : $(-inf, 0.0)$

symbol b_1 : $[-0.0, inf)$

symbol b_2 : $[-0.0, inf)$

symbol a_{21} : $(-inf, 0.0)$

$$-c_2a_{11} + c_1a_{12} > 0$$

$$a_{11}a_{22} - a_{12}a_{21} > 0$$

$$b_1a_{22} - a_{12}b_2 \geq 0$$

$$c_1a_{22} - c_2a_{21} > 0$$

$$-c_1a_{11}a_{22}^2 + c_2a_{11}a_{22}a_{21} + c_1a_{12}a_{22}a_{21} - a_{12}c_2a_{21}^2 > 0$$

$$-a_{12}b_2a_{11}^5a_{22}^5 + 5.00 \cdot a_{12}^2b_2a_{11}^4a_{22}^4a_{21} - 10.00 \cdot a_{12}^3b_2a_{11}^3a_{22}^3a_{21}^2 + 10.00 \cdot a_{12}^4b_2a_{11}^2a_{22}^2a_{21}^3 - 5.00 \cdot$$

$$a_{12}^5b_2a_{11}a_{22}a_{21}^4 + a_{12}^6b_2a_{21}^5 + b_1a_{11}^5a_{22}^6 - 5.00 \cdot b_1a_{21}a_{11}^4a_{22}^5a_{12} + 10.00 \cdot a_{12}^2b_1a_{11}^3a_{22}^4a_{21}^2 - 10.00 \cdot$$

$$a_{12}^3b_1a_{11}^2a_{22}^3a_{21}^3 + 5.00 \cdot a_{12}^4b_1a_{11}a_{22}^2a_{21}^4 - a_{12}^5b_1a_{22}a_{21}^5 \geq 0$$

$$a_{11}^6a_{22}^6 - 6.00 \cdot a_{12}a_{11}^5a_{22}^5a_{21} + 15.00 \cdot a_{12}^2a_{11}^4a_{22}^4a_{21}^2 - 20.00 \cdot a_{12}^3a_{11}^3a_{22}^3a_{21}^3 + 15.00 \cdot a_{12}^4a_{11}^2a_{22}^2a_{21}^4 -$$

$$6.00 \cdot a_{12}^5a_{11}a_{22}a_{21}^5 + a_{12}^6a_{21}^6 > 0$$

pot #2:

symbol a_{12} : $(-inf, 0.0]$

symbol c_1 : $(-inf, 0.0)$

symbol a_{11} : $(-0.0, inf)$

symbol a_{22} : $(-0.0, inf)$

symbol b_1 : $[-0.0, inf)$

symbol b_2 : $[-0.0, inf)$

symbol a_{21} : $(-inf, 0.0)$

$$-c_2a_{11} + c_1a_{12} > 0$$

$$a_{11}a_{22} - a_{12}a_{21} > 0$$

$$c_1a_{22} - c_2a_{21} > 0$$

$$3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} - 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 + a_{12}^3a_{21}^3 - a_{11}^3a_{22}^3 \geq 0$$

$$a_{11}^2a_{22}^2 - 2.00 \cdot a_{12}a_{11}a_{22}a_{21} + a_{12}^2a_{21}^2 > 0$$

$$-c_1a_{11}a_{22}^2 + c_2a_{11}a_{22}a_{21} + c_1a_{12}a_{22}a_{21} - a_{12}c_2a_{21}^2 > 0$$

$$a_{11}a_{22} - a_{12}a_{21} \geq 0$$

pot #3:

symbol a_{12} : $(-inf, 0.0]$

symbol c_1 : $(-inf, 0.0)$

symbol a_{11} : $(-0.0, inf)$

symbol a_{22} : $(-0.0, inf)$

symbol b_1 : $[-0.0, inf)$

symbol b_2 : $[-0.0, inf)$

symbol a_{21} : $(-inf, 0.0)$

$$-c_2a_{11} + c_1a_{12} > 0$$

$$a_{11}a_{22} - a_{12}a_{21} > 0$$

$$c_1a_{22} - c_2a_{21} > 0$$

$$-3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} + 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 - a_{12}^3a_{21}^3 + a_{11}^3a_{22}^3 \geq 0$$

$$-a_{11}^2a_{22}^2 + 2.00 \cdot a_{12}a_{11}a_{22}a_{21} - a_{12}^2a_{21}^2 > 0$$

$$-c_1a_{11}a_{22}^2 + c_2a_{11}a_{22}a_{21} + c_1a_{12}a_{22}a_{21} - a_{12}c_2a_{21}^2 > 0$$

$$a_{11}a_{22} - a_{12}a_{21} \geq 0$$

pot #4:

symbol a_{12} : $(-inf, 0.0]$

symbol c_1 : $(-inf, 0.0)$

symbol a_{11} : $(-0.0, inf)$

symbol a_{22} : $(-0.0, inf)$

symbol b_1 : $[-0.0, inf)$

symbol b_2 : -0.0

symbol a_{21} : $(-inf, 0.0)$

$$-c_2a_{11} + c_1a_{12} > 0$$

$$a_{11}a_{22} - a_{12}a_{21} > 0$$

$$c_1a_{22} - c_2a_{21} > 0$$

$$3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} - 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 + a_{12}^3a_{21}^3 - a_{11}^3a_{22}^3 \geq 0$$

$$-a_{11}^2a_{22}^2 + 2.00 \cdot a_{12}a_{11}a_{22}a_{21} - a_{12}^2a_{21}^2 > 0$$

$$-c_1a_{11}a_{22}^2 + c_2a_{11}a_{22}a_{21} + c_1a_{12}a_{22}a_{21} - a_{12}c_2a_{21}^2 > 0$$

$$a_{11}a_{22} - a_{12}a_{21} \geq 0$$

pot #5:

symbol a_{12} : $(-inf, 0.0]$

symbol c_1 : $(-inf, 0.0)$

symbol a_{11} : $(-0.0, inf)$

symbol a_{22} : $(-0.0, inf)$

symbol b_1 : $[-0.0, inf)$

symbol b_2 : -0.0

symbol a_{21} : $(-inf, 0.0)$

$$-c_2a_{11} + c_1a_{12} > 0$$

$$a_{11}a_{22} - a_{12}a_{21} > 0$$

$$c_1a_{22} - c_2a_{21} > 0$$

$$-3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} + 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 - a_{12}^3a_{21}^3 + a_{11}^3a_{22}^3 \geq 0$$

$$a_{11}^2a_{22}^2 - 2.00 \cdot a_{12}a_{11}a_{22}a_{21} + a_{12}^2a_{21}^2 > 0$$

$$-c_1a_{11}a_{22}^2 + c_2a_{11}a_{22}a_{21} + c_1a_{12}a_{22}a_{21} - a_{12}c_2a_{21}^2 > 0$$

$a_{11}a_{22} - a_{12}a_{21} \geq 0$

x_0	
x_1	
Ψ	$\frac{-c_1a_{12}b_2a_{11}^5a_{22}^5+5.00\cdot a_{12}^2c_1a_{11}^4a_{22}^4b_2a_{21}-10.00\cdot a_{12}^3c_1a_{11}^3a_{22}^3b_2a_{21}^2+10.00\cdot a_{12}^4c_1a_{11}^2a_{22}^2b_2a_{21}^3-5.00\cdot a_{12}^5c_1a_{11}a_{22}b_2a_{21}^4+c_1a_{12}^6b_2a_{21}^5+b_2c_2a_{11}^6a_{22}^5}{1}$

Table #0.1.1.0

Moving out basis: x_0 from line: 0

Moving to basis: x_3

pots:

pot #0:

symbol a_{12} : $(-0.0, inf)$

symbol c_1 : $(-inf, 0.0)$

symbol a_{11} : $(-0.0, inf)$

symbol a_{22} : $(-inf, 0.0]$

symbol b_1 : $[-0.0, inf)$

symbol b_2 : $[-0.0, inf)$

symbol a_{21} : $(-inf, 0.0)$

$$-c_2a_{11} + c_1a_{12} > 0$$

$$a_{11}a_{22} - a_{12}a_{21} > 0$$

$$b_1a_{22} - a_{12}b_2 \geq 0$$

$$c_1a_{22} - c_2a_{21} > 0$$

$$c_1a_{11}a_{22}^2 - c_2a_{11}a_{22}a_{21} - c_1a_{12}a_{22}a_{21} + a_{12}c_2a_{21}^2 \geq 0$$

$$3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} - 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 + a_{12}^3a_{21}^3 - a_{11}^3a_{22}^3 > 0$$

$$a_{11}^3a_{22}^3 - 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} + 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 - a_{12}^3a_{21}^3 > 0$$

$$-8.00 \cdot a_{12}a_{11}^7a_{22}^7a_{21} + 28.00 \cdot a_{12}^2a_{11}^6a_{22}^6a_{21}^2 - 56.00 \cdot a_{12}^3a_{11}^5a_{22}^5a_{21}^3 + a_{11}^8a_{22}^8 + 70.00 \cdot a_{12}^4a_{11}^4a_{22}^4a_{21}^4 -$$

$$56.00 \cdot a_{12}^5a_{11}^3a_{22}^3a_{21}^5 + 28.00 \cdot a_{12}^6a_{11}^2a_{22}^2a_{21}^6 - 8.00 \cdot a_{12}^7a_{11}a_{22}a_{21}^7 + a_{12}^8a_{21}^8 \geq 0$$

$$-8.00 \cdot a_{12}a_{11}^7a_{22}^7a_{21} + 28.00 \cdot a_{12}^2a_{11}^6a_{22}^6a_{21}^2 - 56.00 \cdot a_{12}^3a_{11}^5a_{22}^5a_{21}^3 + a_{11}^8a_{22}^8 + 70.00 \cdot a_{12}^4a_{11}^4a_{22}^4a_{21}^4 -$$

$$56.00 \cdot a_{12}^5a_{11}^3a_{22}^3a_{21}^5 + 28.00 \cdot a_{12}^6a_{11}^2a_{22}^2a_{21}^6 - 8.00 \cdot a_{12}^7a_{11}a_{22}a_{21}^7 + a_{12}^8a_{21}^8 > 0$$

pot #1:

symbol a_{12} : $(-0.0, inf)$

symbol c_1 : $(-inf, 0.0)$

symbol a_{11} : $(-0.0, inf)$

symbol a_{22} : $(-inf, 0.0]$

symbol b_1 : $[-0.0, inf)$

symbol b_2 : $[-0.0, inf)$

symbol a_{21} : $(-inf, 0.0)$

$$-c_2a_{11} + c_1a_{12} > 0$$

$$a_{11}a_{22} - a_{12}a_{21} > 0$$

$$b_1a_{22} - a_{12}b_2 \geq 0$$

$$c_1a_{22} - c_2a_{21} > 0$$

$$c_1a_{11}a_{22}^2 - c_2a_{11}a_{22}a_{21} - c_1a_{12}a_{22}a_{21} + a_{12}c_2a_{21}^2 \geq 0$$

$$3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} - 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 + a_{12}^3a_{21}^3 - a_{11}^3a_{22}^3 > 0$$

$$a_{11}^3a_{22}^3 - 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} + 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 - a_{12}^3a_{21}^3 > 0$$

$$8.00 \cdot a_{12}a_{11}^7a_{22}^7a_{21} - 28.00 \cdot a_{12}^2a_{11}^6a_{22}^6a_{21}^2 + 56.00 \cdot a_{12}^3a_{11}^5a_{22}^5a_{21}^3 - a_{11}^8a_{22}^8 - 70.00 \cdot a_{12}^4a_{11}^4a_{22}^4a_{21}^4 +$$

$$56.00 \cdot a_{12}^5a_{11}^3a_{22}^3a_{21}^5 - 28.00 \cdot a_{12}^6a_{11}^2a_{22}^2a_{21}^6 + 8.00 \cdot a_{12}^7a_{11}a_{22}a_{21}^7 - a_{12}^8a_{21}^8 \geq 0$$

$$8.00 \cdot a_{12}a_{11}^7a_{22}^7a_{21} - 28.00 \cdot a_{12}^2a_{11}^6a_{22}^6a_{21}^2 + 56.00 \cdot a_{12}^3a_{11}^5a_{22}^5a_{21}^3 - a_{11}^8a_{22}^8 - 70.00 \cdot a_{12}^4a_{11}^4a_{22}^4a_{21}^4 +$$

$$56.00 \cdot a_{12}^5a_{11}^3a_{22}^3a_{21}^5 - 28.00 \cdot a_{12}^6a_{11}^2a_{22}^2a_{21}^6 + 8.00 \cdot a_{12}^7a_{11}a_{22}a_{21}^7 - a_{12}^8a_{21}^8 > 0$$

pot #2:

symbol a_{12} : $(-0.0, inf)$

symbol c_1 : $(-inf, 0.0)$

symbol a_{11} : $(-0.0, inf)$

symbol a_{22} : $(-inf, 0.0]$

symbol b_1 : -0.0

symbol b_2 : $[-0.0, inf)$

symbol $a_{21} : (-inf, 0.0)$

$$-c_2a_{11} + c_1a_{12} > 0$$

$$a_{11}a_{22} - a_{12}a_{21} > 0$$

$$b_1a_{22} - a_{12}b_2 \geq 0$$

$$c_1a_{22} - c_2a_{21} > 0$$

$$c_1a_{11}a_{22}^2 - c_2a_{11}a_{22}a_{21} - c_1a_{12}a_{22}a_{21} + a_{12}c_2a_{21}^2 \geq 0$$

$$3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} - 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 + a_{12}^3a_{21}^3 - a_{11}^3a_{22}^3 > 0$$

$$a_{11}^3a_{22}^3 - 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} + 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 - a_{12}^3a_{21}^3 > 0$$

$$-8.00 \cdot a_{12}a_{11}^7a_{22}^7a_{21} + 28.00 \cdot a_{12}^2a_{11}^6a_{22}^6a_{21}^2 - 56.00 \cdot a_{12}^3a_{11}^5a_{22}^5a_{21}^3 + a_{11}^8a_{22}^8 + 70.00 \cdot a_{12}^4a_{11}^4a_{22}^4a_{21}^4 -$$

$$56.00 \cdot a_{12}^5a_{11}^3a_{22}^3a_{21}^5 + 28.00 \cdot a_{12}^6a_{11}^2a_{22}^2a_{21}^6 - 8.00 \cdot a_{12}^7a_{11}a_{22}a_{21}^7 + a_{12}^8a_{21}^8 \geq 0$$

$$8.00 \cdot a_{12}a_{11}^7a_{22}^7a_{21} - 28.00 \cdot a_{12}^2a_{11}^6a_{22}^6a_{21}^2 + 56.00 \cdot a_{12}^3a_{11}^5a_{22}^5a_{21}^3 - a_{11}^8a_{22}^8 - 70.00 \cdot a_{12}^4a_{11}^4a_{22}^4a_{21}^4 +$$

$$56.00 \cdot a_{12}^5a_{11}^3a_{22}^3a_{21}^5 - 28.00 \cdot a_{12}^6a_{11}^2a_{22}^2a_{21}^6 + 8.00 \cdot a_{12}^7a_{11}a_{22}a_{21}^7 - a_{12}^8a_{21}^8 > 0$$

pot #3:

symbol $a_{12} : (-0.0, inf)$

symbol $c_1 : (-inf, 0.0)$

symbol $a_{11} : (-0.0, inf)$

symbol $a_{22} : (-inf, 0.0]$

symbol $b_1 : -0.0$

symbol $b_2 : [-0.0, inf)$

symbol $a_{21} : (-inf, 0.0)$

$$-c_2a_{11} + c_1a_{12} > 0$$

$$a_{11}a_{22} - a_{12}a_{21} > 0$$

$$b_1a_{22} - a_{12}b_2 \geq 0$$

$$c_1a_{22} - c_2a_{21} > 0$$

$$c_1a_{11}a_{22}^2 - c_2a_{11}a_{22}a_{21} - c_1a_{12}a_{22}a_{21} + a_{12}c_2a_{21}^2 \geq 0$$

$$3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} - 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 + a_{12}^3a_{21}^3 - a_{11}^3a_{22}^3 > 0$$

$$a_{11}^3a_{22}^3 - 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} + 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 - a_{12}^3a_{21}^3 > 0$$

$$8.00 \cdot a_{12}a_{11}^7a_{22}^7a_{21} - 28.00 \cdot a_{12}^2a_{11}^6a_{22}^6a_{21}^2 + 56.00 \cdot a_{12}^3a_{11}^5a_{22}^5a_{21}^3 - a_{11}^8a_{22}^8 - 70.00 \cdot a_{12}^4a_{11}^4a_{22}^4a_{21}^4 +$$

$$56.00 \cdot a_{12}^5a_{11}^3a_{22}^3a_{21}^5 - 28.00 \cdot a_{12}^6a_{11}^2a_{22}^2a_{21}^6 + 8.00 \cdot a_{12}^7a_{11}a_{22}a_{21}^7 - a_{12}^8a_{21}^8 \geq 0$$

$$-8.00 \cdot a_{12}a_{11}^7a_{22}^7a_{21} + 28.00 \cdot a_{12}^2a_{11}^6a_{22}^6a_{21}^2 - 56.00 \cdot a_{12}^3a_{11}^5a_{22}^5a_{21}^3 + a_{11}^8a_{22}^8 + 70.00 \cdot a_{12}^4a_{11}^4a_{22}^4a_{21}^4 -$$

$$56.00 \cdot a_{12}^5a_{11}^3a_{22}^3a_{21}^5 + 28.00 \cdot a_{12}^6a_{11}^2a_{22}^2a_{21}^6 - 8.00 \cdot a_{12}^7a_{11}a_{22}a_{21}^7 + a_{12}^8a_{21}^8 > 0$$

pot #4:

symbol $a_{12} : (-0.0, inf)$

symbol $c_1 : (-inf, 0.0)$

symbol $a_{11} : (-0.0, inf)$

symbol $a_{22} : (-inf, 0.0]$

symbol $b_1 : [-0.0, inf)$

symbol $b_2 : [-0.0, inf)$

symbol $a_{21} : (-inf, 0.0)$

$$-c_2a_{11} + c_1a_{12} > 0$$

$$a_{11}a_{22} - a_{12}a_{21} > 0$$

$$b_1a_{22} - a_{12}b_2 \geq 0$$

$$c_1a_{22} - c_2a_{21} > 0$$

$$c_1a_{11}a_{22}^2 - c_2a_{11}a_{22}a_{21} - c_1a_{12}a_{22}a_{21} + a_{12}c_2a_{21}^2 \geq 0$$

$$3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} - 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 + a_{12}^3a_{21}^3 - a_{11}^3a_{22}^3 > 0$$

$$-3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} + 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 - a_{12}^3a_{21}^3 + a_{11}^3a_{22}^3 > 0$$

$$-8.00 \cdot a_{12}a_{11}^7a_{22}^7a_{21} + 28.00 \cdot a_{12}^2a_{11}^6a_{22}^6a_{21}^2 - 56.00 \cdot a_{12}^3a_{11}^5a_{22}^5a_{21}^3 + a_{11}^8a_{22}^8 + 70.00 \cdot a_{12}^4a_{11}^4a_{22}^4a_{21}^4 -$$

$$56.00 \cdot a_{12}^5a_{11}^3a_{22}^3a_{21}^5 + 28.00 \cdot a_{12}^6a_{11}^2a_{22}^2a_{21}^6 - 8.00 \cdot a_{12}^7a_{11}a_{22}a_{21}^7 + a_{12}^8a_{21}^8 \geq 0$$

$$-8.00 \cdot a_{12}a_{11}^7a_{22}^7a_{21} + 28.00 \cdot a_{12}^2a_{11}^6a_{22}^6a_{21}^2 - 56.00 \cdot a_{12}^3a_{11}^5a_{22}^5a_{21}^3 + a_{11}^8a_{22}^8 + 70.00 \cdot a_{12}^4a_{11}^4a_{22}^4a_{21}^4 -$$

$$56.00 \cdot a_{12}^5a_{11}^3a_{22}^3a_{21}^5 + 28.00 \cdot a_{12}^6a_{11}^2a_{22}^2a_{21}^6 - 8.00 \cdot a_{12}^7a_{11}a_{22}a_{21}^7 + a_{12}^8a_{21}^8 > 0$$

pot #5:

symbol $a_{12} : (-0.0, inf)$

symbol $c_1 : (-inf, 0.0)$

symbol $a_{11} : (-0.0, inf)$

symbol $a_{22} : (-inf, 0.0]$

symbol $b_1 : [-0.0, inf)$

symbol $b_2 : [-0.0, inf)$

symbol $a_{21} : (-inf, 0.0)$

$$-c_2 a_{11} + c_1 a_{12} > 0$$

$$a_{11} a_{22} - a_{12} a_{21} > 0$$

$$b_1 a_{22} - a_{12} b_2 \geq 0$$

$$c_1 a_{22} - c_2 a_{21} > 0$$

$$c_1 a_{11} a_{22}^2 - c_2 a_{11} a_{22} a_{21} - c_1 a_{12} a_{22} a_{21} + a_{12} c_2 a_{21}^2 \geq 0$$

$$3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + a_{12}^3 a_{21}^3 - a_{11}^3 a_{22}^3 > 0$$

$$-3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 + a_{11}^3 a_{22}^3 > 0$$

$$8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - a_{11}^8 a_{22}^8 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 +$$

$$56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - a_{12}^8 a_{21}^8 \geq 0$$

$$8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - a_{11}^8 a_{22}^8 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 +$$

$$56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - a_{12}^8 a_{21}^8 > 0$$

pot #6:

symbol $a_{12} : (-0.0, inf)$

symbol $c_1 : (-inf, 0.0)$

symbol $a_{11} : (-0.0, inf)$

symbol $a_{22} : (-inf, 0.0]$

symbol $b_1 : -0.0$

symbol $b_2 : [-0.0, inf)$

symbol $a_{21} : (-inf, 0.0)$

$$-c_2 a_{11} + c_1 a_{12} > 0$$

$$a_{11} a_{22} - a_{12} a_{21} > 0$$

$$b_1 a_{22} - a_{12} b_2 \geq 0$$

$$c_1 a_{22} - c_2 a_{21} > 0$$

$$c_1 a_{11} a_{22}^2 - c_2 a_{11} a_{22} a_{21} - c_1 a_{12} a_{22} a_{21} + a_{12} c_2 a_{21}^2 \geq 0$$

$$3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + a_{12}^3 a_{21}^3 - a_{11}^3 a_{22}^3 > 0$$

$$-3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 + a_{11}^3 a_{22}^3 > 0$$

$$-8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + a_{11}^8 a_{22}^8 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 -$$

$$56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + a_{12}^8 a_{21}^8 \geq 0$$

$$8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - a_{11}^8 a_{22}^8 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 +$$

$$56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - a_{12}^8 a_{21}^8 > 0$$

pot #7:

symbol $a_{12} : (-0.0, inf)$

symbol $c_1 : (-inf, 0.0)$

symbol $a_{11} : (-0.0, inf)$

symbol $a_{22} : (-inf, 0.0]$

symbol $b_1 : -0.0$

symbol $b_2 : [-0.0, inf)$

symbol $a_{21} : (-inf, 0.0)$

$$-c_2 a_{11} + c_1 a_{12} > 0$$

$$a_{11} a_{22} - a_{12} a_{21} > 0$$

$$b_1 a_{22} - a_{12} b_2 \geq 0$$

$$c_1 a_{22} - c_2 a_{21} > 0$$

$$\begin{aligned}
& c_1 a_{11} a_{22}^2 - c_2 a_{11} a_{22} a_{21} - c_1 a_{12} a_{22} a_{21} + a_{12} c_2 a_{21}^2 \geq 0 \\
& 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + a_{12}^3 a_{21}^3 - a_{11}^3 a_{22}^3 > 0 \\
& -3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 + a_{11}^3 a_{22}^3 > 0 \\
& 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - 28.00 \cdot a_{12}^6 a_{11}^6 a_{22}^6 a_{21}^2 + 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - a_{11}^8 a_{22}^8 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 + \\
& 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - a_{12}^8 a_{21}^8 \geq 0 \\
& -8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + a_{11}^8 a_{22}^8 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 - \\
& 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + a_{12}^8 a_{21}^8 > 0
\end{aligned}$$

pot #8:

symbol a_{12} : $(-0.0, inf)$

symbol c_1 : $(-inf, 0.0)$

symbol a_{11} : $(-0.0, inf)$

symbol a_{22} : $(-inf, 0.0]$

symbol b_1 : $[-0.0, inf)$

symbol b_2 : $[-0.0, inf)$

symbol a_{21} : $(-inf, 0.0)$

$$-c_2 a_{11} + c_1 a_{12} > 0$$

$$a_{11} a_{22} - a_{12} a_{21} > 0$$

$$b_1 a_{22} - a_{12} b_2 \geq 0$$

$$c_1 a_{22} - c_2 a_{21} > 0$$

$$\begin{aligned}
& c_1 a_{11} a_{22}^2 - c_2 a_{11} a_{22} a_{21} - c_1 a_{12} a_{22} a_{21} + a_{12} c_2 a_{21}^2 \geq 0 \\
& -3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 + a_{11}^3 a_{22}^3 > 0 \\
& 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + a_{12}^3 a_{21}^3 - a_{11}^3 a_{22}^3 > 0 \\
& -8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + 28.00 \cdot a_{12}^6 a_{11}^6 a_{22}^6 a_{21}^2 - 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + a_{11}^8 a_{22}^8 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 - \\
& 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + a_{12}^8 a_{21}^8 \geq 0 \\
& -8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + a_{11}^8 a_{22}^8 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 - \\
& 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + a_{12}^8 a_{21}^8 > 0
\end{aligned}$$

pot #9:

symbol a_{12} : $(-0.0, inf)$

symbol c_1 : $(-inf, 0.0)$

symbol a_{11} : $(-0.0, inf)$

symbol a_{22} : $(-inf, 0.0]$

symbol b_1 : $[-0.0, inf)$

symbol b_2 : $[-0.0, inf)$

symbol a_{21} : $(-inf, 0.0)$

$$-c_2 a_{11} + c_1 a_{12} > 0$$

$$a_{11} a_{22} - a_{12} a_{21} > 0$$

$$b_1 a_{22} - a_{12} b_2 \geq 0$$

$$c_1 a_{22} - c_2 a_{21} > 0$$

$$\begin{aligned}
& c_1 a_{11} a_{22}^2 - c_2 a_{11} a_{22} a_{21} - c_1 a_{12} a_{22} a_{21} + a_{12} c_2 a_{21}^2 \geq 0 \\
& -3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 + a_{11}^3 a_{22}^3 > 0 \\
& 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + a_{12}^3 a_{21}^3 - a_{11}^3 a_{22}^3 > 0 \\
& 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - 28.00 \cdot a_{12}^6 a_{11}^6 a_{22}^6 a_{21}^2 + 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - a_{11}^8 a_{22}^8 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 + \\
& 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - a_{12}^8 a_{21}^8 \geq 0 \\
& 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - a_{11}^8 a_{22}^8 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 + \\
& 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - a_{12}^8 a_{21}^8 > 0
\end{aligned}$$

pot #10:

symbol a_{12} : $(-0.0, inf)$

symbol c_1 : $(-inf, 0.0)$

symbol a_{11} : $(-0.0, inf)$

symbol a_{22} : $(-inf, 0.0]$

symbol b_1 : -0.0

symbol b_2 : $[-0.0, inf)$

symbol a_{21} : $(-inf, 0.0)$

$$-c_2 a_{11} + c_1 a_{12} > 0$$

$$a_{11} a_{22} - a_{12} a_{21} > 0$$

$$b_1 a_{22} - a_{12} b_2 \geq 0$$

$$c_1 a_{22} - c_2 a_{21} > 0$$

$$c_1 a_{11} a_{22}^2 - c_2 a_{11} a_{22} a_{21} - c_1 a_{12} a_{22} a_{21} + a_{12} c_2 a_{21}^2 \geq 0$$

$$-3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 + a_{11}^3 a_{22}^3 > 0$$

$$3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + a_{12}^3 a_{21}^3 - a_{11}^3 a_{22}^3 > 0$$

$$-8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + a_{11}^8 a_{22}^8 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 -$$

$$56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + a_{12}^8 a_{21}^8 \geq 0$$

$$8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - a_{11}^8 a_{22}^8 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 +$$

$$56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - a_{12}^8 a_{21}^8 > 0$$

pot #11:

symbol a_{12} : $(-0.0, inf)$

symbol c_1 : $(-inf, 0.0)$

symbol a_{11} : $(-0.0, inf)$

symbol a_{22} : $(-inf, 0.0]$

symbol b_1 : -0.0

symbol b_2 : $[-0.0, inf)$

symbol a_{21} : $(-inf, 0.0)$

$$-c_2 a_{11} + c_1 a_{12} > 0$$

$$a_{11} a_{22} - a_{12} a_{21} > 0$$

$$b_1 a_{22} - a_{12} b_2 \geq 0$$

$$c_1 a_{22} - c_2 a_{21} > 0$$

$$c_1 a_{11} a_{22}^2 - c_2 a_{11} a_{22} a_{21} - c_1 a_{12} a_{22} a_{21} + a_{12} c_2 a_{21}^2 \geq 0$$

$$-3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 + a_{11}^3 a_{22}^3 > 0$$

$$3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + a_{12}^3 a_{21}^3 - a_{11}^3 a_{22}^3 > 0$$

$$8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - a_{11}^8 a_{22}^8 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 +$$

$$56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - a_{12}^8 a_{21}^8 \geq 0$$

$$-8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + a_{11}^8 a_{22}^8 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 -$$

$$56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + a_{12}^8 a_{21}^8 > 0$$

pot #12:

symbol a_{12} : $(-0.0, inf)$

symbol c_1 : $(-inf, 0.0)$

symbol a_{11} : $(-0.0, inf)$

symbol a_{22} : $(-inf, 0.0]$

symbol b_1 : $[-0.0, inf)$

symbol b_2 : $[-0.0, inf)$

symbol a_{21} : $(-inf, 0.0)$

$$-c_2 a_{11} + c_1 a_{12} > 0$$

$$a_{11} a_{22} - a_{12} a_{21} > 0$$

$$b_1 a_{22} - a_{12} b_2 \geq 0$$

$$c_1 a_{22} - c_2 a_{21} > 0$$

$$c_1 a_{11} a_{22}^2 - c_2 a_{11} a_{22} a_{21} - c_1 a_{12} a_{22} a_{21} + a_{12} c_2 a_{21}^2 \geq 0$$

$$-3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 + a_{11}^3 a_{22}^3 > 0$$

$$-a_{11}^3 a_{22}^3 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + a_{12}^3 a_{21}^3 > 0$$

$$-8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + a_{11}^8 a_{22}^8 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 -$$

$$56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + a_{12}^8 a_{21}^8 \geq 0$$

$$-8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + a_{11}^8 a_{22}^8 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 - 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + a_{12}^8 a_{21}^8 > 0$$

pot #13:

symbol a_{12} : $(-0.0, inf)$

symbol c_1 : $(-inf, 0.0)$

symbol a_{11} : $(-0.0, inf)$

symbol a_{22} : $(-inf, 0.0]$

symbol b_1 : $[-0.0, inf)$

symbol b_2 : $[-0.0, inf)$

symbol a_{21} : $(-inf, 0.0)$

$$-c_2 a_{11} + c_1 a_{12} > 0$$

$$a_{11} a_{22} - a_{12} a_{21} > 0$$

$$b_1 a_{22} - a_{12} b_2 \geq 0$$

$$c_1 a_{22} - c_2 a_{21} > 0$$

$$c_1 a_{11} a_{22}^2 - c_2 a_{11} a_{22} a_{21} - c_1 a_{12} a_{22} a_{21} + a_{12} c_2 a_{21}^2 \geq 0$$

$$-3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 + a_{11}^3 a_{22}^3 > 0$$

$$-a_{11}^3 a_{22}^3 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + a_{12}^3 a_{21}^3 > 0$$

$$8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - a_{11}^8 a_{22}^8 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 +$$

$$56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - a_{12}^8 a_{21}^8 \geq 0$$

$$8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - a_{11}^8 a_{22}^8 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 +$$

$$56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - a_{12}^8 a_{21}^8 > 0$$

pot #14:

symbol a_{12} : $(-0.0, inf)$

symbol c_1 : $(-inf, 0.0)$

symbol a_{11} : $(-0.0, inf)$

symbol a_{22} : $(-inf, 0.0]$

symbol b_1 : -0.0

symbol b_2 : $[-0.0, inf)$

symbol a_{21} : $(-inf, 0.0)$

$$-c_2 a_{11} + c_1 a_{12} > 0$$

$$a_{11} a_{22} - a_{12} a_{21} > 0$$

$$b_1 a_{22} - a_{12} b_2 \geq 0$$

$$c_1 a_{22} - c_2 a_{21} > 0$$

$$c_1 a_{11} a_{22}^2 - c_2 a_{11} a_{22} a_{21} - c_1 a_{12} a_{22} a_{21} + a_{12} c_2 a_{21}^2 \geq 0$$

$$-3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 + a_{11}^3 a_{22}^3 > 0$$

$$-a_{11}^3 a_{22}^3 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + a_{12}^3 a_{21}^3 > 0$$

$$-8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + a_{11}^8 a_{22}^8 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 -$$

$$56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + a_{12}^8 a_{21}^8 \geq 0$$

$$8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - a_{11}^8 a_{22}^8 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 +$$

$$56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - a_{12}^8 a_{21}^8 > 0$$

pot #15:

symbol a_{12} : $(-0.0, inf)$

symbol c_1 : $(-inf, 0.0)$

symbol a_{11} : $(-0.0, inf)$

symbol a_{22} : $(-inf, 0.0]$

symbol b_1 : -0.0

symbol b_2 : $[-0.0, inf)$

symbol a_{21} : $(-inf, 0.0)$

$$-c_2 a_{11} + c_1 a_{12} > 0$$

$$a_{11} a_{22} - a_{12} a_{21} > 0$$

symbol $a_{12} : (-inf, 0.0]$
symbol $c_1 : (-inf, 0.0)$
symbol $a_{11} : (-0.0, inf)$
symbol $a_{22} : (-0.0, inf)$
symbol $b_1 : -0.0$
symbol $b_2 : [-0.0, inf)$
symbol $a_{21} : (-inf, 0.0)$
 $-c_2a_{11} + c_1a_{12} > 0$
 $a_{11}a_{22} - a_{12}a_{21} > 0$
 $c_1a_{22} - c_2a_{21} > 0$
 $3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} - 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 + a_{12}^3a_{21}^3 - a_{11}^3a_{22}^3 \geq 0$
 $a_{11}^2a_{22}^2 - 2.00 \cdot a_{12}a_{11}a_{22}a_{21} + a_{12}^2a_{21}^2 > 0$
 $c_1a_{11}a_{22}^2 - c_2a_{11}a_{22}a_{21} - c_1a_{12}a_{22}a_{21} + a_{12}c_2a_{21}^2 \geq 0$
 $3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} - 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 + a_{12}^3a_{21}^3 - a_{11}^3a_{22}^3 > 0$
 $a_{11}^3a_{22}^3 - 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} + 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 - a_{12}^3a_{21}^3 > 0$
 $-8.00 \cdot a_{12}a_{11}^7a_{22}^7a_{21} + 28.00 \cdot a_{12}^2a_{11}^6a_{22}^6a_{21}^2 - 56.00 \cdot a_{12}^3a_{11}^5a_{22}^5a_{21}^3 + a_{11}^8a_{22}^8 + 70.00 \cdot a_{12}^4a_{11}^4a_{22}^4a_{21}^4 -$
 $56.00 \cdot a_{12}^5a_{11}^3a_{22}^3a_{21}^5 + 28.00 \cdot a_{12}^6a_{11}^2a_{22}^2a_{21}^6 - 8.00 \cdot a_{12}^7a_{11}a_{22}a_{21}^7 + a_{12}^8a_{21}^8 \geq 0$
 $8.00 \cdot a_{12}a_{11}^7a_{22}^7a_{21} - 28.00 \cdot a_{12}^2a_{11}^6a_{22}^6a_{21}^2 + 56.00 \cdot a_{12}^3a_{11}^5a_{22}^5a_{21}^3 - a_{11}^8a_{22}^8 - 70.00 \cdot a_{12}^4a_{11}^4a_{22}^4a_{21}^4 +$
 $56.00 \cdot a_{12}^5a_{11}^3a_{22}^3a_{21}^5 - 28.00 \cdot a_{12}^6a_{11}^2a_{22}^2a_{21}^6 + 8.00 \cdot a_{12}^7a_{11}a_{22}a_{21}^7 - a_{12}^8a_{21}^8 > 0$
pot #19:

symbol $a_{12} : (-inf, 0.0]$
symbol $c_1 : (-inf, 0.0)$
symbol $a_{11} : (-0.0, inf)$
symbol $a_{22} : (-0.0, inf)$
symbol $b_1 : -0.0$
symbol $b_2 : [-0.0, inf)$
symbol $a_{21} : (-inf, 0.0)$
 $-c_2a_{11} + c_1a_{12} > 0$
 $a_{11}a_{22} - a_{12}a_{21} > 0$
 $c_1a_{22} - c_2a_{21} > 0$
 $3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} - 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 + a_{12}^3a_{21}^3 - a_{11}^3a_{22}^3 \geq 0$
 $a_{11}^2a_{22}^2 - 2.00 \cdot a_{12}a_{11}a_{22}a_{21} + a_{12}^2a_{21}^2 > 0$
 $c_1a_{11}a_{22}^2 - c_2a_{11}a_{22}a_{21} - c_1a_{12}a_{22}a_{21} + a_{12}c_2a_{21}^2 \geq 0$
 $3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} - 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 + a_{12}^3a_{21}^3 - a_{11}^3a_{22}^3 > 0$
 $a_{11}^3a_{22}^3 - 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} + 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 - a_{12}^3a_{21}^3 > 0$
 $8.00 \cdot a_{12}a_{11}^7a_{22}^7a_{21} - 28.00 \cdot a_{12}^2a_{11}^6a_{22}^6a_{21}^2 + 56.00 \cdot a_{12}^3a_{11}^5a_{22}^5a_{21}^3 - a_{11}^8a_{22}^8 - 70.00 \cdot a_{12}^4a_{11}^4a_{22}^4a_{21}^4 +$
 $56.00 \cdot a_{12}^5a_{11}^3a_{22}^3a_{21}^5 - 28.00 \cdot a_{12}^6a_{11}^2a_{22}^2a_{21}^6 + 8.00 \cdot a_{12}^7a_{11}a_{22}a_{21}^7 - a_{12}^8a_{21}^8 \geq 0$
 $-8.00 \cdot a_{12}a_{11}^7a_{22}^7a_{21} + 28.00 \cdot a_{12}^2a_{11}^6a_{22}^6a_{21}^2 - 56.00 \cdot a_{12}^3a_{11}^5a_{22}^5a_{21}^3 + a_{11}^8a_{22}^8 + 70.00 \cdot a_{12}^4a_{11}^4a_{22}^4a_{21}^4 -$
 $56.00 \cdot a_{12}^5a_{11}^3a_{22}^3a_{21}^5 + 28.00 \cdot a_{12}^6a_{11}^2a_{22}^2a_{21}^6 - 8.00 \cdot a_{12}^7a_{11}a_{22}a_{21}^7 + a_{12}^8a_{21}^8 > 0$
pot #20:

symbol $a_{12} : (-inf, 0.0]$
symbol $c_1 : (-inf, 0.0)$
symbol $a_{11} : (-0.0, inf)$
symbol $a_{22} : (-0.0, inf)$
symbol $b_1 : [-0.0, inf)$
symbol $b_2 : [-0.0, inf)$
symbol $a_{21} : (-inf, 0.0)$
 $-c_2a_{11} + c_1a_{12} > 0$
 $a_{11}a_{22} - a_{12}a_{21} > 0$
 $c_1a_{22} - c_2a_{21} > 0$

$$\begin{aligned}
& 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} - 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 + a_{12}^3a_{21}^3 - a_{11}^3a_{22}^3 \geq 0 \\
& a_{11}^2a_{22}^2 - 2.00 \cdot a_{12}a_{11}a_{22}a_{21} + a_{12}^2a_{21}^2 > 0 \\
& c_1a_{11}a_{22}^2 - c_2a_{11}a_{22}a_{21} - c_1a_{12}a_{22}a_{21} + a_{12}c_2a_{21}^2 \geq 0 \\
& 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} - 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 + a_{12}^3a_{21}^3 - a_{11}^3a_{22}^3 > 0 \\
& -3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} + 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 - a_{12}^3a_{21}^3 + a_{11}^3a_{22}^3 > 0 \\
& -8.00 \cdot a_{12}a_{11}^7a_{22}^7a_{21} + 28.00 \cdot a_{12}^2a_{11}^6a_{22}^6a_{21}^2 - 56.00 \cdot a_{12}^3a_{11}^5a_{22}^5a_{21}^3 + a_{11}^8a_{22}^8 + 70.00 \cdot a_{12}^4a_{11}^4a_{22}^4a_{21}^4 - \\
& 56.00 \cdot a_{12}^5a_{11}^3a_{22}^3a_{21}^5 + 28.00 \cdot a_{12}^6a_{11}^2a_{22}^2a_{21}^6 - 8.00 \cdot a_{12}^7a_{11}a_{22}a_{21}^7 + a_{12}^8a_{21}^8 \geq 0 \\
& -8.00 \cdot a_{12}a_{11}^7a_{22}^7a_{21} + 28.00 \cdot a_{12}^2a_{11}^6a_{22}^6a_{21}^2 - 56.00 \cdot a_{12}^3a_{11}^5a_{22}^5a_{21}^3 + a_{11}^8a_{22}^8 + 70.00 \cdot a_{12}^4a_{11}^4a_{22}^4a_{21}^4 - \\
& 56.00 \cdot a_{12}^5a_{11}^3a_{22}^3a_{21}^5 + 28.00 \cdot a_{12}^6a_{11}^2a_{22}^2a_{21}^6 - 8.00 \cdot a_{12}^7a_{11}a_{22}a_{21}^7 + a_{12}^8a_{21}^8 > 0
\end{aligned}$$

pot #21:

symbol a_{12} : $(-inf, 0.0]$

symbol c_1 : $(-inf, 0.0)$

symbol a_{11} : $(-0.0, inf)$

symbol a_{22} : $(-0.0, inf)$

symbol b_1 : $[-0.0, inf)$

symbol b_2 : $[-0.0, inf)$

symbol a_{21} : $(-inf, 0.0)$

$$-c_2a_{11} + c_1a_{12} > 0$$

$$a_{11}a_{22} - a_{12}a_{21} > 0$$

$$c_1a_{22} - c_2a_{21} > 0$$

$$3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} - 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 + a_{12}^3a_{21}^3 - a_{11}^3a_{22}^3 \geq 0$$

$$a_{11}^2a_{22}^2 - 2.00 \cdot a_{12}a_{11}a_{22}a_{21} + a_{12}^2a_{21}^2 > 0$$

$$c_1a_{11}a_{22}^2 - c_2a_{11}a_{22}a_{21} - c_1a_{12}a_{22}a_{21} + a_{12}c_2a_{21}^2 \geq 0$$

$$3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} - 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 + a_{12}^3a_{21}^3 - a_{11}^3a_{22}^3 > 0$$

$$-3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} + 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 - a_{12}^3a_{21}^3 + a_{11}^3a_{22}^3 > 0$$

$$8.00 \cdot a_{12}a_{11}^7a_{22}^7a_{21} - 28.00 \cdot a_{12}^2a_{11}^6a_{22}^6a_{21}^2 + 56.00 \cdot a_{12}^3a_{11}^5a_{22}^5a_{21}^3 - a_{11}^8a_{22}^8 - 70.00 \cdot a_{12}^4a_{11}^4a_{22}^4a_{21}^4 +$$

$$56.00 \cdot a_{12}^5a_{11}^3a_{22}^3a_{21}^5 - 28.00 \cdot a_{12}^6a_{11}^2a_{22}^2a_{21}^6 + 8.00 \cdot a_{12}^7a_{11}a_{22}a_{21}^7 - a_{12}^8a_{21}^8 \geq 0$$

$$8.00 \cdot a_{12}a_{11}^7a_{22}^7a_{21} - 28.00 \cdot a_{12}^2a_{11}^6a_{22}^6a_{21}^2 + 56.00 \cdot a_{12}^3a_{11}^5a_{22}^5a_{21}^3 - a_{11}^8a_{22}^8 - 70.00 \cdot a_{12}^4a_{11}^4a_{22}^4a_{21}^4 +$$

$$56.00 \cdot a_{12}^5a_{11}^3a_{22}^3a_{21}^5 - 28.00 \cdot a_{12}^6a_{11}^2a_{22}^2a_{21}^6 + 8.00 \cdot a_{12}^7a_{11}a_{22}a_{21}^7 - a_{12}^8a_{21}^8 > 0$$

pot #22:

symbol a_{12} : $(-inf, 0.0]$

symbol c_1 : $(-inf, 0.0)$

symbol a_{11} : $(-0.0, inf)$

symbol a_{22} : $(-0.0, inf)$

symbol b_1 : -0.0

symbol b_2 : $[-0.0, inf)$

symbol a_{21} : $(-inf, 0.0)$

$$-c_2a_{11} + c_1a_{12} > 0$$

$$a_{11}a_{22} - a_{12}a_{21} > 0$$

$$c_1a_{22} - c_2a_{21} > 0$$

$$3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} - 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 + a_{12}^3a_{21}^3 - a_{11}^3a_{22}^3 \geq 0$$

$$a_{11}^2a_{22}^2 - 2.00 \cdot a_{12}a_{11}a_{22}a_{21} + a_{12}^2a_{21}^2 > 0$$

$$c_1a_{11}a_{22}^2 - c_2a_{11}a_{22}a_{21} - c_1a_{12}a_{22}a_{21} + a_{12}c_2a_{21}^2 \geq 0$$

$$3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} - 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 + a_{12}^3a_{21}^3 - a_{11}^3a_{22}^3 > 0$$

$$-3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} + 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 - a_{12}^3a_{21}^3 + a_{11}^3a_{22}^3 > 0$$

$$-8.00 \cdot a_{12}a_{11}^7a_{22}^7a_{21} + 28.00 \cdot a_{12}^2a_{11}^6a_{22}^6a_{21}^2 - 56.00 \cdot a_{12}^3a_{11}^5a_{22}^5a_{21}^3 + a_{11}^8a_{22}^8 + 70.00 \cdot a_{12}^4a_{11}^4a_{22}^4a_{21}^4 -$$

$$56.00 \cdot a_{12}^5a_{11}^3a_{22}^3a_{21}^5 + 28.00 \cdot a_{12}^6a_{11}^2a_{22}^2a_{21}^6 - 8.00 \cdot a_{12}^7a_{11}a_{22}a_{21}^7 + a_{12}^8a_{21}^8 \geq 0$$

$$8.00 \cdot a_{12}a_{11}^7a_{22}^7a_{21} - 28.00 \cdot a_{12}^2a_{11}^6a_{22}^6a_{21}^2 + 56.00 \cdot a_{12}^3a_{11}^5a_{22}^5a_{21}^3 - a_{11}^8a_{22}^8 - 70.00 \cdot a_{12}^4a_{11}^4a_{22}^4a_{21}^4 +$$

$$56.00 \cdot a_{12}^5a_{11}^3a_{22}^3a_{21}^5 - 28.00 \cdot a_{12}^6a_{11}^2a_{22}^2a_{21}^6 + 8.00 \cdot a_{12}^7a_{11}a_{22}a_{21}^7 - a_{12}^8a_{21}^8 > 0$$

pot #23:

symbol $a_{12} : (-inf, 0.0]$
 symbol $c_1 : (-inf, 0.0)$
 symbol $a_{11} : (-0.0, inf)$
 symbol $a_{22} : (-0.0, inf)$
 symbol $b_1 : -0.0$
 symbol $b_2 : [-0.0, inf)$
 symbol $a_{21} : (-inf, 0.0)$
 $-c_2a_{11} + c_1a_{12} > 0$
 $a_{11}a_{22} - a_{12}a_{21} > 0$
 $c_1a_{22} - c_2a_{21} > 0$
 $3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} - 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 + a_{12}^3a_{21}^3 - a_{11}^3a_{22}^3 \geq 0$
 $a_{11}^2a_{22}^2 - 2.00 \cdot a_{12}a_{11}a_{22}a_{21} + a_{12}^2a_{21}^2 > 0$
 $c_1a_{11}a_{22}^2 - c_2a_{11}a_{22}a_{21} - c_1a_{12}a_{22}a_{21} + a_{12}c_2a_{21}^2 \geq 0$
 $3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} - 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 + a_{12}^3a_{21}^3 - a_{11}^3a_{22}^3 > 0$
 $-3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} + 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 - a_{12}^3a_{21}^3 + a_{11}^3a_{22}^3 > 0$
 $8.00 \cdot a_{12}a_{11}^7a_{22}^7a_{21} - 28.00 \cdot a_{12}^2a_{11}^6a_{22}^6a_{21}^2 + 56.00 \cdot a_{12}^3a_{11}^5a_{22}^5a_{21}^3 - a_{11}^8a_{22}^8 - 70.00 \cdot a_{12}^4a_{11}^4a_{22}^4a_{21}^4 +$
 $56.00 \cdot a_{12}^5a_{11}^3a_{22}^3a_{21}^5 - 28.00 \cdot a_{12}^6a_{11}^2a_{22}^2a_{21}^6 + 8.00 \cdot a_{12}^7a_{11}a_{22}a_{21}^7 - a_{12}^8a_{21}^8 \geq 0$
 $-8.00 \cdot a_{12}a_{11}^7a_{22}^7a_{21} + 28.00 \cdot a_{12}^2a_{11}^6a_{22}^6a_{21}^2 - 56.00 \cdot a_{12}^3a_{11}^5a_{22}^5a_{21}^3 + a_{11}^8a_{22}^8 + 70.00 \cdot a_{12}^4a_{11}^4a_{22}^4a_{21}^4 -$
 $56.00 \cdot a_{12}^5a_{11}^3a_{22}^3a_{21}^5 + 28.00 \cdot a_{12}^6a_{11}^2a_{22}^2a_{21}^6 - 8.00 \cdot a_{12}^7a_{11}a_{22}a_{21}^7 + a_{12}^8a_{21}^8 > 0$
 pot #24:

symbol $a_{12} : (-inf, 0.0]$
 symbol $c_1 : (-inf, 0.0)$
 symbol $a_{11} : (-0.0, inf)$
 symbol $a_{22} : (-0.0, inf)$
 symbol $b_1 : [-0.0, inf)$
 symbol $b_2 : [-0.0, inf)$
 symbol $a_{21} : (-inf, 0.0)$
 $-c_2a_{11} + c_1a_{12} > 0$
 $a_{11}a_{22} - a_{12}a_{21} > 0$
 $c_1a_{22} - c_2a_{21} > 0$
 $3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} - 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 + a_{12}^3a_{21}^3 - a_{11}^3a_{22}^3 \geq 0$
 $a_{11}^2a_{22}^2 - 2.00 \cdot a_{12}a_{11}a_{22}a_{21} + a_{12}^2a_{21}^2 > 0$
 $c_1a_{11}a_{22}^2 - c_2a_{11}a_{22}a_{21} - c_1a_{12}a_{22}a_{21} + a_{12}c_2a_{21}^2 \geq 0$
 $-3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} + 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 - a_{12}^3a_{21}^3 + a_{11}^3a_{22}^3 > 0$
 $3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} - 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 + a_{12}^3a_{21}^3 - a_{11}^3a_{22}^3 > 0$
 $-8.00 \cdot a_{12}a_{11}^7a_{22}^7a_{21} + 28.00 \cdot a_{12}^2a_{11}^6a_{22}^6a_{21}^2 - 56.00 \cdot a_{12}^3a_{11}^5a_{22}^5a_{21}^3 + a_{11}^8a_{22}^8 + 70.00 \cdot a_{12}^4a_{11}^4a_{22}^4a_{21}^4 -$
 $56.00 \cdot a_{12}^5a_{11}^3a_{22}^3a_{21}^5 + 28.00 \cdot a_{12}^6a_{11}^2a_{22}^2a_{21}^6 - 8.00 \cdot a_{12}^7a_{11}a_{22}a_{21}^7 + a_{12}^8a_{21}^8 \geq 0$
 $-8.00 \cdot a_{12}a_{11}^7a_{22}^7a_{21} + 28.00 \cdot a_{12}^2a_{11}^6a_{22}^6a_{21}^2 - 56.00 \cdot a_{12}^3a_{11}^5a_{22}^5a_{21}^3 + a_{11}^8a_{22}^8 + 70.00 \cdot a_{12}^4a_{11}^4a_{22}^4a_{21}^4 -$
 $56.00 \cdot a_{12}^5a_{11}^3a_{22}^3a_{21}^5 + 28.00 \cdot a_{12}^6a_{11}^2a_{22}^2a_{21}^6 - 8.00 \cdot a_{12}^7a_{11}a_{22}a_{21}^7 + a_{12}^8a_{21}^8 > 0$
 pot #25:

symbol $a_{12} : (-inf, 0.0]$
 symbol $c_1 : (-inf, 0.0)$
 symbol $a_{11} : (-0.0, inf)$
 symbol $a_{22} : (-0.0, inf)$
 symbol $b_1 : [-0.0, inf)$
 symbol $b_2 : [-0.0, inf)$
 symbol $a_{21} : (-inf, 0.0)$
 $-c_2a_{11} + c_1a_{12} > 0$
 $a_{11}a_{22} - a_{12}a_{21} > 0$
 $c_1a_{22} - c_2a_{21} > 0$

$$\begin{aligned}
& 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} - 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 + a_{12}^3a_{21}^3 - a_{11}^3a_{22}^3 \geq 0 \\
& a_{11}^2a_{22}^2 - 2.00 \cdot a_{12}a_{11}a_{22}a_{21} + a_{12}^2a_{21}^2 > 0 \\
& c_1a_{11}a_{22}^2 - c_2a_{11}a_{22}a_{21} - c_1a_{12}a_{22}a_{21} + a_{12}c_2a_{21}^2 \geq 0 \\
& -3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} + 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 - a_{12}^3a_{21}^3 + a_{11}^3a_{22}^3 > 0 \\
& 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} - 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 + a_{12}^3a_{21}^3 - a_{11}^3a_{22}^3 > 0 \\
& 8.00 \cdot a_{12}a_{11}^7a_{22}^7a_{21} - 28.00 \cdot a_{12}^2a_{11}^6a_{22}^6a_{21}^2 + 56.00 \cdot a_{12}^3a_{11}^5a_{22}^5a_{21}^3 - a_{11}^8a_{22}^8 - 70.00 \cdot a_{12}^4a_{11}^4a_{22}^4a_{21}^4 + \\
& 56.00 \cdot a_{12}^5a_{11}^3a_{22}^3a_{21}^5 - 28.00 \cdot a_{12}^6a_{11}^2a_{22}^2a_{21}^6 + 8.00 \cdot a_{12}^7a_{11}a_{22}a_{21}^7 - a_{12}^8a_{21}^8 \geq 0 \\
& 8.00 \cdot a_{12}a_{11}^7a_{22}^7a_{21} - 28.00 \cdot a_{12}^2a_{11}^6a_{22}^6a_{21}^2 + 56.00 \cdot a_{12}^3a_{11}^5a_{22}^5a_{21}^3 - a_{11}^8a_{22}^8 - 70.00 \cdot a_{12}^4a_{11}^4a_{22}^4a_{21}^4 + \\
& 56.00 \cdot a_{12}^5a_{11}^3a_{22}^3a_{21}^5 - 28.00 \cdot a_{12}^6a_{11}^2a_{22}^2a_{21}^6 + 8.00 \cdot a_{12}^7a_{11}a_{22}a_{21}^7 - a_{12}^8a_{21}^8 > 0
\end{aligned}$$

pot #26:

symbol a_{12} : $(-inf, 0.0]$

symbol c_1 : $(-inf, 0.0)$

symbol a_{11} : $(-0.0, inf)$

symbol a_{22} : $(-0.0, inf)$

symbol b_1 : -0.0

symbol b_2 : $[-0.0, inf)$

symbol a_{21} : $(-inf, 0.0)$

$$-c_2a_{11} + c_1a_{12} > 0$$

$$a_{11}a_{22} - a_{12}a_{21} > 0$$

$$c_1a_{22} - c_2a_{21} > 0$$

$$3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} - 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 + a_{12}^3a_{21}^3 - a_{11}^3a_{22}^3 \geq 0$$

$$a_{11}^2a_{22}^2 - 2.00 \cdot a_{12}a_{11}a_{22}a_{21} + a_{12}^2a_{21}^2 > 0$$

$$c_1a_{11}a_{22}^2 - c_2a_{11}a_{22}a_{21} - c_1a_{12}a_{22}a_{21} + a_{12}c_2a_{21}^2 \geq 0$$

$$-3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} + 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 - a_{12}^3a_{21}^3 + a_{11}^3a_{22}^3 > 0$$

$$3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} - 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 + a_{12}^3a_{21}^3 - a_{11}^3a_{22}^3 > 0$$

$$-8.00 \cdot a_{12}a_{11}^7a_{22}^7a_{21} + 28.00 \cdot a_{12}^2a_{11}^6a_{22}^6a_{21}^2 - 56.00 \cdot a_{12}^3a_{11}^5a_{22}^5a_{21}^3 + a_{11}^8a_{22}^8 + 70.00 \cdot a_{12}^4a_{11}^4a_{22}^4a_{21}^4 -$$

$$56.00 \cdot a_{12}^5a_{11}^3a_{22}^3a_{21}^5 + 28.00 \cdot a_{12}^6a_{11}^2a_{22}^2a_{21}^6 - 8.00 \cdot a_{12}^7a_{11}a_{22}a_{21}^7 + a_{12}^8a_{21}^8 \geq 0$$

$$8.00 \cdot a_{12}a_{11}^7a_{22}^7a_{21} - 28.00 \cdot a_{12}^2a_{11}^6a_{22}^6a_{21}^2 + 56.00 \cdot a_{12}^3a_{11}^5a_{22}^5a_{21}^3 - a_{11}^8a_{22}^8 - 70.00 \cdot a_{12}^4a_{11}^4a_{22}^4a_{21}^4 +$$

$$56.00 \cdot a_{12}^5a_{11}^3a_{22}^3a_{21}^5 - 28.00 \cdot a_{12}^6a_{11}^2a_{22}^2a_{21}^6 + 8.00 \cdot a_{12}^7a_{11}a_{22}a_{21}^7 - a_{12}^8a_{21}^8 > 0$$

pot #27:

symbol a_{12} : $(-inf, 0.0]$

symbol c_1 : $(-inf, 0.0)$

symbol a_{11} : $(-0.0, inf)$

symbol a_{22} : $(-0.0, inf)$

symbol b_1 : -0.0

symbol b_2 : $[-0.0, inf)$

symbol a_{21} : $(-inf, 0.0)$

$$-c_2a_{11} + c_1a_{12} > 0$$

$$a_{11}a_{22} - a_{12}a_{21} > 0$$

$$c_1a_{22} - c_2a_{21} > 0$$

$$3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} - 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 + a_{12}^3a_{21}^3 - a_{11}^3a_{22}^3 \geq 0$$

$$a_{11}^2a_{22}^2 - 2.00 \cdot a_{12}a_{11}a_{22}a_{21} + a_{12}^2a_{21}^2 > 0$$

$$c_1a_{11}a_{22}^2 - c_2a_{11}a_{22}a_{21} - c_1a_{12}a_{22}a_{21} + a_{12}c_2a_{21}^2 \geq 0$$

$$-3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} + 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 - a_{12}^3a_{21}^3 + a_{11}^3a_{22}^3 > 0$$

$$3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} - 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 + a_{12}^3a_{21}^3 - a_{11}^3a_{22}^3 > 0$$

$$8.00 \cdot a_{12}a_{11}^7a_{22}^7a_{21} - 28.00 \cdot a_{12}^2a_{11}^6a_{22}^6a_{21}^2 + 56.00 \cdot a_{12}^3a_{11}^5a_{22}^5a_{21}^3 - a_{11}^8a_{22}^8 - 70.00 \cdot a_{12}^4a_{11}^4a_{22}^4a_{21}^4 +$$

$$56.00 \cdot a_{12}^5a_{11}^3a_{22}^3a_{21}^5 - 28.00 \cdot a_{12}^6a_{11}^2a_{22}^2a_{21}^6 + 8.00 \cdot a_{12}^7a_{11}a_{22}a_{21}^7 - a_{12}^8a_{21}^8 \geq 0$$

$$-8.00 \cdot a_{12}a_{11}^7a_{22}^7a_{21} + 28.00 \cdot a_{12}^2a_{11}^6a_{22}^6a_{21}^2 - 56.00 \cdot a_{12}^3a_{11}^5a_{22}^5a_{21}^3 + a_{11}^8a_{22}^8 + 70.00 \cdot a_{12}^4a_{11}^4a_{22}^4a_{21}^4 -$$

$$56.00 \cdot a_{12}^5a_{11}^3a_{22}^3a_{21}^5 + 28.00 \cdot a_{12}^6a_{11}^2a_{22}^2a_{21}^6 - 8.00 \cdot a_{12}^7a_{11}a_{22}a_{21}^7 + a_{12}^8a_{21}^8 > 0$$

pot #28:

symbol $a_{12} : (-inf, 0.0]$
symbol $c_1 : (-inf, 0.0)$
symbol $a_{11} : (-0.0, inf)$
symbol $a_{22} : (-0.0, inf)$
symbol $b_1 : [-0.0, inf)$
symbol $b_2 : [-0.0, inf)$
symbol $a_{21} : (-inf, 0.0)$
 $-c_2a_{11} + c_1a_{12} > 0$
 $a_{11}a_{22} - a_{12}a_{21} > 0$
 $c_1a_{22} - c_2a_{21} > 0$
 $3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} - 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 + a_{12}^3a_{21}^3 - a_{11}^3a_{22}^3 \geq 0$
 $a_{11}^2a_{22}^2 - 2.00 \cdot a_{12}a_{11}a_{22}a_{21} + a_{12}^2a_{21}^2 > 0$
 $c_1a_{11}a_{22}^2 - c_2a_{11}a_{22}a_{21} - c_1a_{12}a_{22}a_{21} + a_{12}c_2a_{21}^2 \geq 0$
 $-3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} + 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 - a_{12}^3a_{21}^3 + a_{11}^3a_{22}^3 > 0$
 $-a_{11}^3a_{22}^3 + 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} - 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 + a_{12}^3a_{21}^3 > 0$
 $-8.00 \cdot a_{12}a_{11}^7a_{22}^7a_{21} + 28.00 \cdot a_{12}^2a_{11}^6a_{22}^6a_{21}^2 - 56.00 \cdot a_{12}^3a_{11}^5a_{22}^5a_{21}^3 + a_{11}^8a_{22}^8 + 70.00 \cdot a_{12}^4a_{11}^4a_{22}^4a_{21}^4 -$
 $56.00 \cdot a_{12}^5a_{11}^3a_{22}^3a_{21}^5 + 28.00 \cdot a_{12}^6a_{11}^2a_{22}^2a_{21}^6 - 8.00 \cdot a_{12}^7a_{11}a_{22}a_{21}^7 + a_{12}^8a_{21}^8 \geq 0$
 $-8.00 \cdot a_{12}a_{11}^7a_{22}^7a_{21} + 28.00 \cdot a_{12}^2a_{11}^6a_{22}^6a_{21}^2 - 56.00 \cdot a_{12}^3a_{11}^5a_{22}^5a_{21}^3 + a_{11}^8a_{22}^8 + 70.00 \cdot a_{12}^4a_{11}^4a_{22}^4a_{21}^4 -$
 $56.00 \cdot a_{12}^5a_{11}^3a_{22}^3a_{21}^5 + 28.00 \cdot a_{12}^6a_{11}^2a_{22}^2a_{21}^6 - 8.00 \cdot a_{12}^7a_{11}a_{22}a_{21}^7 + a_{12}^8a_{21}^8 > 0$
pot #29:

symbol $a_{12} : (-inf, 0.0]$
symbol $c_1 : (-inf, 0.0)$
symbol $a_{11} : (-0.0, inf)$
symbol $a_{22} : (-0.0, inf)$
symbol $b_1 : [-0.0, inf)$
symbol $b_2 : [-0.0, inf)$
symbol $a_{21} : (-inf, 0.0)$
 $-c_2a_{11} + c_1a_{12} > 0$
 $a_{11}a_{22} - a_{12}a_{21} > 0$
 $c_1a_{22} - c_2a_{21} > 0$
 $3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} - 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 + a_{12}^3a_{21}^3 - a_{11}^3a_{22}^3 \geq 0$
 $a_{11}^2a_{22}^2 - 2.00 \cdot a_{12}a_{11}a_{22}a_{21} + a_{12}^2a_{21}^2 > 0$
 $c_1a_{11}a_{22}^2 - c_2a_{11}a_{22}a_{21} - c_1a_{12}a_{22}a_{21} + a_{12}c_2a_{21}^2 \geq 0$
 $-3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} + 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 - a_{12}^3a_{21}^3 + a_{11}^3a_{22}^3 > 0$
 $-a_{11}^3a_{22}^3 + 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} - 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 + a_{12}^3a_{21}^3 > 0$
 $8.00 \cdot a_{12}a_{11}^7a_{22}^7a_{21} - 28.00 \cdot a_{12}^2a_{11}^6a_{22}^6a_{21}^2 + 56.00 \cdot a_{12}^3a_{11}^5a_{22}^5a_{21}^3 - a_{11}^8a_{22}^8 - 70.00 \cdot a_{12}^4a_{11}^4a_{22}^4a_{21}^4 +$
 $56.00 \cdot a_{12}^5a_{11}^3a_{22}^3a_{21}^5 - 28.00 \cdot a_{12}^6a_{11}^2a_{22}^2a_{21}^6 + 8.00 \cdot a_{12}^7a_{11}a_{22}a_{21}^7 - a_{12}^8a_{21}^8 \geq 0$
 $8.00 \cdot a_{12}a_{11}^7a_{22}^7a_{21} - 28.00 \cdot a_{12}^2a_{11}^6a_{22}^6a_{21}^2 + 56.00 \cdot a_{12}^3a_{11}^5a_{22}^5a_{21}^3 - a_{11}^8a_{22}^8 - 70.00 \cdot a_{12}^4a_{11}^4a_{22}^4a_{21}^4 +$
 $56.00 \cdot a_{12}^5a_{11}^3a_{22}^3a_{21}^5 - 28.00 \cdot a_{12}^6a_{11}^2a_{22}^2a_{21}^6 + 8.00 \cdot a_{12}^7a_{11}a_{22}a_{21}^7 - a_{12}^8a_{21}^8 > 0$
pot #30:

symbol $a_{12} : (-inf, 0.0]$
symbol $c_1 : (-inf, 0.0)$
symbol $a_{11} : (-0.0, inf)$
symbol $a_{22} : (-0.0, inf)$
symbol $b_1 : -0.0$
symbol $b_2 : [-0.0, inf)$
symbol $a_{21} : (-inf, 0.0)$
 $-c_2a_{11} + c_1a_{12} > 0$
 $a_{11}a_{22} - a_{12}a_{21} > 0$
 $c_1a_{22} - c_2a_{21} > 0$

$$\begin{aligned}
& 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} - 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 + a_{12}^3a_{21}^3 - a_{11}^3a_{22}^3 \geq 0 \\
& a_{11}^2a_{22}^2 - 2.00 \cdot a_{12}a_{11}a_{22}a_{21} + a_{12}^2a_{21}^2 > 0 \\
& c_1a_{11}a_{22}^2 - c_2a_{11}a_{22}a_{21} - c_1a_{12}a_{22}a_{21} + a_{12}c_2a_{21}^2 \geq 0 \\
& -3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} + 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 - a_{12}^3a_{21}^3 + a_{11}^3a_{22}^3 > 0 \\
& -a_{11}^3a_{22}^3 + 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} - 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 + a_{12}^3a_{21}^3 > 0 \\
& -8.00 \cdot a_{12}a_{11}^7a_{22}^7a_{21} + 28.00 \cdot a_{12}^2a_{11}^6a_{22}^6a_{21}^2 - 56.00 \cdot a_{12}^3a_{11}^5a_{22}^5a_{21}^3 + a_{11}^8a_{22}^8 + 70.00 \cdot a_{12}^4a_{11}^4a_{22}^4a_{21}^4 - \\
& 56.00 \cdot a_{12}^5a_{11}^3a_{22}^3a_{21}^5 + 28.00 \cdot a_{12}^6a_{11}^2a_{22}^2a_{21}^6 - 8.00 \cdot a_{12}^7a_{11}a_{22}a_{21}^7 + a_{12}^8a_{21}^8 \geq 0 \\
& 8.00 \cdot a_{12}a_{11}^7a_{22}^7a_{21} - 28.00 \cdot a_{12}^2a_{11}^6a_{22}^6a_{21}^2 + 56.00 \cdot a_{12}^3a_{11}^5a_{22}^5a_{21}^3 - a_{11}^8a_{22}^8 - 70.00 \cdot a_{12}^4a_{11}^4a_{22}^4a_{21}^4 + \\
& 56.00 \cdot a_{12}^5a_{11}^3a_{22}^3a_{21}^5 - 28.00 \cdot a_{12}^6a_{11}^2a_{22}^2a_{21}^6 + 8.00 \cdot a_{12}^7a_{11}a_{22}a_{21}^7 - a_{12}^8a_{21}^8 > 0
\end{aligned}$$

pot #31:

symbol a_{12} : $(-inf, 0.0]$

symbol c_1 : $(-inf, 0.0)$

symbol a_{11} : $(-0.0, inf)$

symbol a_{22} : $(-0.0, inf)$

symbol b_1 : -0.0

symbol b_2 : $[-0.0, inf)$

symbol a_{21} : $(-inf, 0.0)$

$$-c_2a_{11} + c_1a_{12} > 0$$

$$a_{11}a_{22} - a_{12}a_{21} > 0$$

$$c_1a_{22} - c_2a_{21} > 0$$

$$3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} - 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 + a_{12}^3a_{21}^3 - a_{11}^3a_{22}^3 \geq 0$$

$$a_{11}^2a_{22}^2 - 2.00 \cdot a_{12}a_{11}a_{22}a_{21} + a_{12}^2a_{21}^2 > 0$$

$$c_1a_{11}a_{22}^2 - c_2a_{11}a_{22}a_{21} - c_1a_{12}a_{22}a_{21} + a_{12}c_2a_{21}^2 \geq 0$$

$$-3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} + 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 - a_{12}^3a_{21}^3 + a_{11}^3a_{22}^3 > 0$$

$$-a_{11}^3a_{22}^3 + 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} - 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 + a_{12}^3a_{21}^3 > 0$$

$$8.00 \cdot a_{12}a_{11}^7a_{22}^7a_{21} - 28.00 \cdot a_{12}^2a_{11}^6a_{22}^6a_{21}^2 + 56.00 \cdot a_{12}^3a_{11}^5a_{22}^5a_{21}^3 - a_{11}^8a_{22}^8 - 70.00 \cdot a_{12}^4a_{11}^4a_{22}^4a_{21}^4 +$$

$$56.00 \cdot a_{12}^5a_{11}^3a_{22}^3a_{21}^5 - 28.00 \cdot a_{12}^6a_{11}^2a_{22}^2a_{21}^6 + 8.00 \cdot a_{12}^7a_{11}a_{22}a_{21}^7 - a_{12}^8a_{21}^8 \geq 0$$

$$-8.00 \cdot a_{12}a_{11}^7a_{22}^7a_{21} + 28.00 \cdot a_{12}^2a_{11}^6a_{22}^6a_{21}^2 - 56.00 \cdot a_{12}^3a_{11}^5a_{22}^5a_{21}^3 + a_{11}^8a_{22}^8 + 70.00 \cdot a_{12}^4a_{11}^4a_{22}^4a_{21}^4 -$$

$$56.00 \cdot a_{12}^5a_{11}^3a_{22}^3a_{21}^5 + 28.00 \cdot a_{12}^6a_{11}^2a_{22}^2a_{21}^6 - 8.00 \cdot a_{12}^7a_{11}a_{22}a_{21}^7 + a_{12}^8a_{21}^8 > 0$$

pot #32:

symbol a_{12} : $(-inf, 0.0]$

symbol c_1 : $(-inf, 0.0)$

symbol a_{11} : $(-0.0, inf)$

symbol a_{22} : $(-0.0, inf)$

symbol b_1 : $[-0.0, inf)$

symbol b_2 : $[-0.0, inf)$

symbol a_{21} : $(-inf, 0.0)$

$$-c_2a_{11} + c_1a_{12} > 0$$

$$a_{11}a_{22} - a_{12}a_{21} > 0$$

$$c_1a_{22} - c_2a_{21} > 0$$

$$-3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} + 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 - a_{12}^3a_{21}^3 + a_{11}^3a_{22}^3 \geq 0$$

$$-a_{11}^2a_{22}^2 + 2.00 \cdot a_{12}a_{11}a_{22}a_{21} - a_{12}^2a_{21}^2 > 0$$

$$c_1a_{11}a_{22}^2 - c_2a_{11}a_{22}a_{21} - c_1a_{12}a_{22}a_{21} + a_{12}c_2a_{21}^2 \geq 0$$

$$3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} - 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 + a_{12}^3a_{21}^3 - a_{11}^3a_{22}^3 > 0$$

$$a_{11}^3a_{22}^3 - 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} + 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 - a_{12}^3a_{21}^3 > 0$$

$$-8.00 \cdot a_{12}a_{11}^7a_{22}^7a_{21} + 28.00 \cdot a_{12}^2a_{11}^6a_{22}^6a_{21}^2 - 56.00 \cdot a_{12}^3a_{11}^5a_{22}^5a_{21}^3 + a_{11}^8a_{22}^8 + 70.00 \cdot a_{12}^4a_{11}^4a_{22}^4a_{21}^4 -$$

$$56.00 \cdot a_{12}^5a_{11}^3a_{22}^3a_{21}^5 + 28.00 \cdot a_{12}^6a_{11}^2a_{22}^2a_{21}^6 - 8.00 \cdot a_{12}^7a_{11}a_{22}a_{21}^7 + a_{12}^8a_{21}^8 \geq 0$$

$$-8.00 \cdot a_{12}a_{11}^7a_{22}^7a_{21} + 28.00 \cdot a_{12}^2a_{11}^6a_{22}^6a_{21}^2 - 56.00 \cdot a_{12}^3a_{11}^5a_{22}^5a_{21}^3 + a_{11}^8a_{22}^8 + 70.00 \cdot a_{12}^4a_{11}^4a_{22}^4a_{21}^4 -$$

$$56.00 \cdot a_{12}^5a_{11}^3a_{22}^3a_{21}^5 + 28.00 \cdot a_{12}^6a_{11}^2a_{22}^2a_{21}^6 - 8.00 \cdot a_{12}^7a_{11}a_{22}a_{21}^7 + a_{12}^8a_{21}^8 > 0$$

pot #33:

symbol $a_{12} : (-inf, 0.0]$

symbol $c_1 : (-inf, 0.0)$

symbol $a_{11} : (-0.0, inf)$

symbol $a_{22} : (-0.0, inf)$

symbol $b_1 : [-0.0, inf)$

symbol $b_2 : [-0.0, inf)$

symbol $a_{21} : (-inf, 0.0)$

$$-c_2 a_{11} + c_1 a_{12} > 0$$

$$a_{11} a_{22} - a_{12} a_{21} > 0$$

$$c_1 a_{22} - c_2 a_{21} > 0$$

$$-3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 + a_{11}^3 a_{22}^3 \geq 0$$

$$-a_{11}^2 a_{22}^2 + 2.00 \cdot a_{12} a_{11} a_{22} a_{21} - a_{12}^2 a_{21}^2 > 0$$

$$c_1 a_{11} a_{22}^2 - c_2 a_{11} a_{22} a_{21} - c_1 a_{12} a_{22} a_{21} + a_{12} c_2 a_{21}^2 \geq 0$$

$$3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + a_{12}^3 a_{21}^3 - a_{11}^3 a_{22}^3 > 0$$

$$a_{11}^3 a_{22}^3 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 > 0$$

$$8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - a_{11}^8 a_{22}^8 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 +$$

$$56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - a_{12}^8 a_{21}^8 \geq 0$$

$$8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - a_{11}^8 a_{22}^8 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 +$$

$$56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - a_{12}^8 a_{21}^8 > 0$$

pot #34:

symbol $a_{12} : (-inf, 0.0]$

symbol $c_1 : (-inf, 0.0)$

symbol $a_{11} : (-0.0, inf)$

symbol $a_{22} : (-0.0, inf)$

symbol $b_1 : -0.0$

symbol $b_2 : [-0.0, inf)$

symbol $a_{21} : (-inf, 0.0)$

$$-c_2 a_{11} + c_1 a_{12} > 0$$

$$a_{11} a_{22} - a_{12} a_{21} > 0$$

$$c_1 a_{22} - c_2 a_{21} > 0$$

$$-3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 + a_{11}^3 a_{22}^3 \geq 0$$

$$-a_{11}^2 a_{22}^2 + 2.00 \cdot a_{12} a_{11} a_{22} a_{21} - a_{12}^2 a_{21}^2 > 0$$

$$c_1 a_{11} a_{22}^2 - c_2 a_{11} a_{22} a_{21} - c_1 a_{12} a_{22} a_{21} + a_{12} c_2 a_{21}^2 \geq 0$$

$$3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + a_{12}^3 a_{21}^3 - a_{11}^3 a_{22}^3 > 0$$

$$a_{11}^3 a_{22}^3 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 > 0$$

$$-8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + a_{11}^8 a_{22}^8 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 -$$

$$56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + a_{12}^8 a_{21}^8 \geq 0$$

$$8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - a_{11}^8 a_{22}^8 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 +$$

$$56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - a_{12}^8 a_{21}^8 > 0$$

pot #35:

symbol $a_{12} : (-inf, 0.0]$

symbol $c_1 : (-inf, 0.0)$

symbol $a_{11} : (-0.0, inf)$

symbol $a_{22} : (-0.0, inf)$

symbol $b_1 : -0.0$

symbol $b_2 : [-0.0, inf)$

symbol $a_{21} : (-inf, 0.0)$

$$-c_2 a_{11} + c_1 a_{12} > 0$$

$$a_{11} a_{22} - a_{12} a_{21} > 0$$

$$c_1 a_{22} - c_2 a_{21} > 0$$

$$\begin{aligned}
& -3.00 \cdot a_{12}a_{11}^2a_{22}a_{21} + 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 - a_{12}^3a_{21}^3 + a_{11}^3a_{22}^3 \geq 0 \\
& -a_{11}^2a_{22}^2 + 2.00 \cdot a_{12}a_{11}a_{22}a_{21} - a_{12}^2a_{21}^2 > 0 \\
& c_1a_{11}a_{22}^2 - c_2a_{11}a_{22}a_{21} - c_1a_{12}a_{22}a_{21} + a_{12}c_2a_{21}^2 \geq 0 \\
& 3.00 \cdot a_{12}a_{11}^2a_{22}a_{21} - 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 + a_{12}^3a_{21}^3 - a_{11}^3a_{22}^3 > 0 \\
& a_{11}^3a_{22}^3 - 3.00 \cdot a_{12}a_{11}^2a_{22}a_{21} + 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 - a_{12}^3a_{21}^3 > 0 \\
& 8.00 \cdot a_{12}a_{11}^7a_{22}a_{21} - 28.00 \cdot a_{12}^2a_{11}^6a_{22}^2a_{21}^2 + 56.00 \cdot a_{12}^3a_{11}^5a_{22}^3a_{21}^3 - a_{11}^8a_{22}^8 - 70.00 \cdot a_{12}^4a_{11}^4a_{22}^4a_{21}^4 + \\
& 56.00 \cdot a_{12}^5a_{11}^3a_{22}^3a_{21}^5 - 28.00 \cdot a_{12}^6a_{11}^2a_{22}^2a_{21}^6 + 8.00 \cdot a_{12}^7a_{11}a_{22}a_{21}^7 - a_{12}^8a_{21}^8 \geq 0 \\
& -8.00 \cdot a_{12}a_{11}^7a_{22}a_{21} + 28.00 \cdot a_{12}^2a_{11}^6a_{22}^2a_{21}^2 - 56.00 \cdot a_{12}^3a_{11}^5a_{22}^3a_{21}^3 + a_{11}^8a_{22}^8 + 70.00 \cdot a_{12}^4a_{11}^4a_{22}^4a_{21}^4 - \\
& 56.00 \cdot a_{12}^5a_{11}^3a_{22}^3a_{21}^5 + 28.00 \cdot a_{12}^6a_{11}^2a_{22}^2a_{21}^6 - 8.00 \cdot a_{12}^7a_{11}a_{22}a_{21}^7 + a_{12}^8a_{21}^8 > 0
\end{aligned}$$

pot #36:

symbol a_{12} : $(-inf, 0.0]$

symbol c_1 : $(-inf, 0.0)$

symbol a_{11} : $(-0.0, inf)$

symbol a_{22} : $(-0.0, inf)$

symbol b_1 : $[-0.0, inf)$

symbol b_2 : $[-0.0, inf)$

symbol a_{21} : $(-inf, 0.0)$

$$-c_2a_{11} + c_1a_{12} > 0$$

$$a_{11}a_{22} - a_{12}a_{21} > 0$$

$$c_1a_{22} - c_2a_{21} > 0$$

$$-3.00 \cdot a_{12}a_{11}^2a_{22}a_{21} + 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 - a_{12}^3a_{21}^3 + a_{11}^3a_{22}^3 \geq 0$$

$$-a_{11}^2a_{22}^2 + 2.00 \cdot a_{12}a_{11}a_{22}a_{21} - a_{12}^2a_{21}^2 > 0$$

$$c_1a_{11}a_{22}^2 - c_2a_{11}a_{22}a_{21} - c_1a_{12}a_{22}a_{21} + a_{12}c_2a_{21}^2 \geq 0$$

$$3.00 \cdot a_{12}a_{11}^2a_{22}a_{21} - 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 + a_{12}^3a_{21}^3 - a_{11}^3a_{22}^3 > 0$$

$$-3.00 \cdot a_{12}a_{11}^2a_{22}a_{21} + 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 - a_{12}^3a_{21}^3 + a_{11}^3a_{22}^3 > 0$$

$$-8.00 \cdot a_{12}a_{11}^7a_{22}a_{21} + 28.00 \cdot a_{12}^2a_{11}^6a_{22}^2a_{21}^2 - 56.00 \cdot a_{12}^3a_{11}^5a_{22}^3a_{21}^3 + a_{11}^8a_{22}^8 + 70.00 \cdot a_{12}^4a_{11}^4a_{22}^4a_{21}^4 -$$

$$56.00 \cdot a_{12}^5a_{11}^3a_{22}^3a_{21}^5 + 28.00 \cdot a_{12}^6a_{11}^2a_{22}^2a_{21}^6 - 8.00 \cdot a_{12}^7a_{11}a_{22}a_{21}^7 + a_{12}^8a_{21}^8 \geq 0$$

$$-8.00 \cdot a_{12}a_{11}^7a_{22}a_{21} + 28.00 \cdot a_{12}^2a_{11}^6a_{22}^2a_{21}^2 - 56.00 \cdot a_{12}^3a_{11}^5a_{22}^3a_{21}^3 + a_{11}^8a_{22}^8 + 70.00 \cdot a_{12}^4a_{11}^4a_{22}^4a_{21}^4 -$$

$$56.00 \cdot a_{12}^5a_{11}^3a_{22}^3a_{21}^5 + 28.00 \cdot a_{12}^6a_{11}^2a_{22}^2a_{21}^6 - 8.00 \cdot a_{12}^7a_{11}a_{22}a_{21}^7 + a_{12}^8a_{21}^8 > 0$$

pot #37:

symbol a_{12} : $(-inf, 0.0]$

symbol c_1 : $(-inf, 0.0)$

symbol a_{11} : $(-0.0, inf)$

symbol a_{22} : $(-0.0, inf)$

symbol b_1 : $[-0.0, inf)$

symbol b_2 : $[-0.0, inf)$

symbol a_{21} : $(-inf, 0.0)$

$$-c_2a_{11} + c_1a_{12} > 0$$

$$a_{11}a_{22} - a_{12}a_{21} > 0$$

$$c_1a_{22} - c_2a_{21} > 0$$

$$-3.00 \cdot a_{12}a_{11}^2a_{22}a_{21} + 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 - a_{12}^3a_{21}^3 + a_{11}^3a_{22}^3 \geq 0$$

$$-a_{11}^2a_{22}^2 + 2.00 \cdot a_{12}a_{11}a_{22}a_{21} - a_{12}^2a_{21}^2 > 0$$

$$c_1a_{11}a_{22}^2 - c_2a_{11}a_{22}a_{21} - c_1a_{12}a_{22}a_{21} + a_{12}c_2a_{21}^2 \geq 0$$

$$3.00 \cdot a_{12}a_{11}^2a_{22}a_{21} - 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 + a_{12}^3a_{21}^3 - a_{11}^3a_{22}^3 > 0$$

$$-3.00 \cdot a_{12}a_{11}^2a_{22}a_{21} + 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 - a_{12}^3a_{21}^3 + a_{11}^3a_{22}^3 > 0$$

$$8.00 \cdot a_{12}a_{11}^7a_{22}a_{21} - 28.00 \cdot a_{12}^2a_{11}^6a_{22}^2a_{21}^2 + 56.00 \cdot a_{12}^3a_{11}^5a_{22}^3a_{21}^3 - a_{11}^8a_{22}^8 - 70.00 \cdot a_{12}^4a_{11}^4a_{22}^4a_{21}^4 +$$

$$56.00 \cdot a_{12}^5a_{11}^3a_{22}^3a_{21}^5 - 28.00 \cdot a_{12}^6a_{11}^2a_{22}^2a_{21}^6 + 8.00 \cdot a_{12}^7a_{11}a_{22}a_{21}^7 - a_{12}^8a_{21}^8 \geq 0$$

$$8.00 \cdot a_{12}a_{11}^7a_{22}a_{21} - 28.00 \cdot a_{12}^2a_{11}^6a_{22}^2a_{21}^2 + 56.00 \cdot a_{12}^3a_{11}^5a_{22}^3a_{21}^3 - a_{11}^8a_{22}^8 - 70.00 \cdot a_{12}^4a_{11}^4a_{22}^4a_{21}^4 +$$

$$56.00 \cdot a_{12}^5a_{11}^3a_{22}^3a_{21}^5 - 28.00 \cdot a_{12}^6a_{11}^2a_{22}^2a_{21}^6 + 8.00 \cdot a_{12}^7a_{11}a_{22}a_{21}^7 - a_{12}^8a_{21}^8 > 0$$

pot #38:

symbol $a_{12} : (-inf, 0.0]$
 symbol $c_1 : (-inf, 0.0)$
 symbol $a_{11} : (-0.0, inf)$
 symbol $a_{22} : (-0.0, inf)$
 symbol $b_1 : -0.0$
 symbol $b_2 : [-0.0, inf)$
 symbol $a_{21} : (-inf, 0.0)$
 $-c_2a_{11} + c_1a_{12} > 0$
 $a_{11}a_{22} - a_{12}a_{21} > 0$
 $c_1a_{22} - c_2a_{21} > 0$
 $-3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} + 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 - a_{12}^3a_{21}^3 + a_{11}^3a_{22}^3 \geq 0$
 $-a_{11}^2a_{22}^2 + 2.00 \cdot a_{12}a_{11}a_{22}a_{21} - a_{12}^2a_{21}^2 > 0$
 $c_1a_{11}a_{22}^2 - c_2a_{11}a_{22}a_{21} - c_1a_{12}a_{22}a_{21} + a_{12}c_2a_{21}^2 \geq 0$
 $3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} - 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 + a_{12}^3a_{21}^3 - a_{11}^3a_{22}^3 > 0$
 $-3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} + 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 - a_{12}^3a_{21}^3 + a_{11}^3a_{22}^3 > 0$
 $-8.00 \cdot a_{12}a_{11}^7a_{22}^7a_{21} + 28.00 \cdot a_{12}^2a_{11}^6a_{22}^6a_{21}^2 - 56.00 \cdot a_{12}^3a_{11}^5a_{22}^5a_{21}^3 + a_{11}^8a_{22}^8 + 70.00 \cdot a_{12}^4a_{11}^4a_{22}^4a_{21}^4 -$
 $56.00 \cdot a_{12}^5a_{11}^3a_{22}^3a_{21}^5 + 28.00 \cdot a_{12}^6a_{11}^2a_{22}^2a_{21}^6 - 8.00 \cdot a_{12}^7a_{11}a_{22}a_{21}^7 + a_{12}^8a_{21}^8 \geq 0$
 $8.00 \cdot a_{12}a_{11}^7a_{22}^7a_{21} - 28.00 \cdot a_{12}^2a_{11}^6a_{22}^6a_{21}^2 + 56.00 \cdot a_{12}^3a_{11}^5a_{22}^5a_{21}^3 - a_{11}^8a_{22}^8 - 70.00 \cdot a_{12}^4a_{11}^4a_{22}^4a_{21}^4 +$
 $56.00 \cdot a_{12}^5a_{11}^3a_{22}^3a_{21}^5 - 28.00 \cdot a_{12}^6a_{11}^2a_{22}^2a_{21}^6 + 8.00 \cdot a_{12}^7a_{11}a_{22}a_{21}^7 - a_{12}^8a_{21}^8 > 0$
 pot #39:

symbol $a_{12} : (-inf, 0.0]$
 symbol $c_1 : (-inf, 0.0)$
 symbol $a_{11} : (-0.0, inf)$
 symbol $a_{22} : (-0.0, inf)$
 symbol $b_1 : -0.0$
 symbol $b_2 : [-0.0, inf)$
 symbol $a_{21} : (-inf, 0.0)$
 $-c_2a_{11} + c_1a_{12} > 0$
 $a_{11}a_{22} - a_{12}a_{21} > 0$
 $c_1a_{22} - c_2a_{21} > 0$
 $-3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} + 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 - a_{12}^3a_{21}^3 + a_{11}^3a_{22}^3 \geq 0$
 $-a_{11}^2a_{22}^2 + 2.00 \cdot a_{12}a_{11}a_{22}a_{21} - a_{12}^2a_{21}^2 > 0$
 $c_1a_{11}a_{22}^2 - c_2a_{11}a_{22}a_{21} - c_1a_{12}a_{22}a_{21} + a_{12}c_2a_{21}^2 \geq 0$
 $3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} - 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 + a_{12}^3a_{21}^3 - a_{11}^3a_{22}^3 > 0$
 $-3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} + 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 - a_{12}^3a_{21}^3 + a_{11}^3a_{22}^3 > 0$
 $8.00 \cdot a_{12}a_{11}^7a_{22}^7a_{21} - 28.00 \cdot a_{12}^2a_{11}^6a_{22}^6a_{21}^2 + 56.00 \cdot a_{12}^3a_{11}^5a_{22}^5a_{21}^3 - a_{11}^8a_{22}^8 - 70.00 \cdot a_{12}^4a_{11}^4a_{22}^4a_{21}^4 +$
 $56.00 \cdot a_{12}^5a_{11}^3a_{22}^3a_{21}^5 - 28.00 \cdot a_{12}^6a_{11}^2a_{22}^2a_{21}^6 + 8.00 \cdot a_{12}^7a_{11}a_{22}a_{21}^7 - a_{12}^8a_{21}^8 \geq 0$
 $-8.00 \cdot a_{12}a_{11}^7a_{22}^7a_{21} + 28.00 \cdot a_{12}^2a_{11}^6a_{22}^6a_{21}^2 - 56.00 \cdot a_{12}^3a_{11}^5a_{22}^5a_{21}^3 + a_{11}^8a_{22}^8 + 70.00 \cdot a_{12}^4a_{11}^4a_{22}^4a_{21}^4 -$
 $56.00 \cdot a_{12}^5a_{11}^3a_{22}^3a_{21}^5 + 28.00 \cdot a_{12}^6a_{11}^2a_{22}^2a_{21}^6 - 8.00 \cdot a_{12}^7a_{11}a_{22}a_{21}^7 + a_{12}^8a_{21}^8 > 0$
 pot #40:

symbol $a_{12} : (-inf, 0.0]$
 symbol $c_1 : (-inf, 0.0)$
 symbol $a_{11} : (-0.0, inf)$
 symbol $a_{22} : (-0.0, inf)$
 symbol $b_1 : [-0.0, inf)$
 symbol $b_2 : [-0.0, inf)$
 symbol $a_{21} : (-inf, 0.0)$
 $-c_2a_{11} + c_1a_{12} > 0$
 $a_{11}a_{22} - a_{12}a_{21} > 0$
 $c_1a_{22} - c_2a_{21} > 0$

$$\begin{aligned}
& -3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} + 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 - a_{12}^3a_{21}^3 + a_{11}^3a_{22}^3 \geq 0 \\
& -a_{11}^2a_{22}^2 + 2.00 \cdot a_{12}a_{11}a_{22}a_{21} - a_{12}^2a_{21}^2 > 0 \\
& c_1a_{11}a_{22}^2 - c_2a_{11}a_{22}a_{21} - c_1a_{12}a_{22}a_{21} + a_{12}c_2a_{21}^2 \geq 0 \\
& -3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} + 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 - a_{12}^3a_{21}^3 + a_{11}^3a_{22}^3 > 0 \\
& 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} - 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 + a_{12}^3a_{21}^3 - a_{11}^3a_{22}^3 > 0 \\
& -8.00 \cdot a_{12}a_{11}^7a_{22}^7a_{21} + 28.00 \cdot a_{12}^2a_{11}^6a_{22}^6a_{21}^2 - 56.00 \cdot a_{12}^3a_{11}^5a_{22}^5a_{21}^3 + a_{11}^8a_{22}^8 + 70.00 \cdot a_{12}^4a_{11}^4a_{22}^4a_{21}^4 - \\
& 56.00 \cdot a_{12}^5a_{11}^3a_{22}^3a_{21}^5 + 28.00 \cdot a_{12}^6a_{11}^2a_{22}^2a_{21}^6 - 8.00 \cdot a_{12}^7a_{11}a_{22}a_{21}^7 + a_{12}^8a_{21}^8 \geq 0 \\
& -8.00 \cdot a_{12}a_{11}^7a_{22}^7a_{21} + 28.00 \cdot a_{12}^2a_{11}^6a_{22}^6a_{21}^2 - 56.00 \cdot a_{12}^3a_{11}^5a_{22}^5a_{21}^3 + a_{11}^8a_{22}^8 + 70.00 \cdot a_{12}^4a_{11}^4a_{22}^4a_{21}^4 - \\
& 56.00 \cdot a_{12}^5a_{11}^3a_{22}^3a_{21}^5 + 28.00 \cdot a_{12}^6a_{11}^2a_{22}^2a_{21}^6 - 8.00 \cdot a_{12}^7a_{11}a_{22}a_{21}^7 + a_{12}^8a_{21}^8 > 0
\end{aligned}$$

pot #41:

symbol a_{12} : $(-inf, 0.0]$

symbol c_1 : $(-inf, 0.0)$

symbol a_{11} : $(-0.0, inf)$

symbol a_{22} : $(-0.0, inf)$

symbol b_1 : $[-0.0, inf)$

symbol b_2 : $[-0.0, inf)$

symbol a_{21} : $(-inf, 0.0)$

$$-c_2a_{11} + c_1a_{12} > 0$$

$$a_{11}a_{22} - a_{12}a_{21} > 0$$

$$c_1a_{22} - c_2a_{21} > 0$$

$$-3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} + 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 - a_{12}^3a_{21}^3 + a_{11}^3a_{22}^3 \geq 0$$

$$-a_{11}^2a_{22}^2 + 2.00 \cdot a_{12}a_{11}a_{22}a_{21} - a_{12}^2a_{21}^2 > 0$$

$$c_1a_{11}a_{22}^2 - c_2a_{11}a_{22}a_{21} - c_1a_{12}a_{22}a_{21} + a_{12}c_2a_{21}^2 \geq 0$$

$$-3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} + 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 - a_{12}^3a_{21}^3 + a_{11}^3a_{22}^3 > 0$$

$$3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} - 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 + a_{12}^3a_{21}^3 - a_{11}^3a_{22}^3 > 0$$

$$8.00 \cdot a_{12}a_{11}^7a_{22}^7a_{21} - 28.00 \cdot a_{12}^2a_{11}^6a_{22}^6a_{21}^2 + 56.00 \cdot a_{12}^3a_{11}^5a_{22}^5a_{21}^3 - a_{11}^8a_{22}^8 - 70.00 \cdot a_{12}^4a_{11}^4a_{22}^4a_{21}^4 +$$

$$56.00 \cdot a_{12}^5a_{11}^3a_{22}^3a_{21}^5 - 28.00 \cdot a_{12}^6a_{11}^2a_{22}^2a_{21}^6 + 8.00 \cdot a_{12}^7a_{11}a_{22}a_{21}^7 - a_{12}^8a_{21}^8 \geq 0$$

$$8.00 \cdot a_{12}a_{11}^7a_{22}^7a_{21} - 28.00 \cdot a_{12}^2a_{11}^6a_{22}^6a_{21}^2 + 56.00 \cdot a_{12}^3a_{11}^5a_{22}^5a_{21}^3 - a_{11}^8a_{22}^8 - 70.00 \cdot a_{12}^4a_{11}^4a_{22}^4a_{21}^4 +$$

$$56.00 \cdot a_{12}^5a_{11}^3a_{22}^3a_{21}^5 - 28.00 \cdot a_{12}^6a_{11}^2a_{22}^2a_{21}^6 + 8.00 \cdot a_{12}^7a_{11}a_{22}a_{21}^7 - a_{12}^8a_{21}^8 > 0$$

pot #42:

symbol a_{12} : $(-inf, 0.0]$

symbol c_1 : $(-inf, 0.0)$

symbol a_{11} : $(-0.0, inf)$

symbol a_{22} : $(-0.0, inf)$

symbol b_1 : -0.0

symbol b_2 : $[-0.0, inf)$

symbol a_{21} : $(-inf, 0.0)$

$$-c_2a_{11} + c_1a_{12} > 0$$

$$a_{11}a_{22} - a_{12}a_{21} > 0$$

$$c_1a_{22} - c_2a_{21} > 0$$

$$-3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} + 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 - a_{12}^3a_{21}^3 + a_{11}^3a_{22}^3 \geq 0$$

$$-a_{11}^2a_{22}^2 + 2.00 \cdot a_{12}a_{11}a_{22}a_{21} - a_{12}^2a_{21}^2 > 0$$

$$c_1a_{11}a_{22}^2 - c_2a_{11}a_{22}a_{21} - c_1a_{12}a_{22}a_{21} + a_{12}c_2a_{21}^2 \geq 0$$

$$-3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} + 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 - a_{12}^3a_{21}^3 + a_{11}^3a_{22}^3 > 0$$

$$3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} - 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 + a_{12}^3a_{21}^3 - a_{11}^3a_{22}^3 > 0$$

$$-8.00 \cdot a_{12}a_{11}^7a_{22}^7a_{21} + 28.00 \cdot a_{12}^2a_{11}^6a_{22}^6a_{21}^2 - 56.00 \cdot a_{12}^3a_{11}^5a_{22}^5a_{21}^3 + a_{11}^8a_{22}^8 + 70.00 \cdot a_{12}^4a_{11}^4a_{22}^4a_{21}^4 -$$

$$56.00 \cdot a_{12}^5a_{11}^3a_{22}^3a_{21}^5 + 28.00 \cdot a_{12}^6a_{11}^2a_{22}^2a_{21}^6 - 8.00 \cdot a_{12}^7a_{11}a_{22}a_{21}^7 + a_{12}^8a_{21}^8 \geq 0$$

$$8.00 \cdot a_{12}a_{11}^7a_{22}^7a_{21} - 28.00 \cdot a_{12}^2a_{11}^6a_{22}^6a_{21}^2 + 56.00 \cdot a_{12}^3a_{11}^5a_{22}^5a_{21}^3 - a_{11}^8a_{22}^8 - 70.00 \cdot a_{12}^4a_{11}^4a_{22}^4a_{21}^4 +$$

$$56.00 \cdot a_{12}^5a_{11}^3a_{22}^3a_{21}^5 - 28.00 \cdot a_{12}^6a_{11}^2a_{22}^2a_{21}^6 + 8.00 \cdot a_{12}^7a_{11}a_{22}a_{21}^7 - a_{12}^8a_{21}^8 > 0$$

pot #43:

symbol $a_{12} : (-inf, 0.0]$
symbol $c_1 : (-inf, 0.0)$
symbol $a_{11} : (-0.0, inf)$
symbol $a_{22} : (-0.0, inf)$
symbol $b_1 : -0.0$
symbol $b_2 : [-0.0, inf)$
symbol $a_{21} : (-inf, 0.0)$
 $-c_2a_{11} + c_1a_{12} > 0$
 $a_{11}a_{22} - a_{12}a_{21} > 0$
 $c_1a_{22} - c_2a_{21} > 0$
 $-3.00 \cdot a_{12}a_{11}^2a_{22}a_{21} + 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 - a_{12}^3a_{21}^3 + a_{11}^3a_{22}^3 \geq 0$
 $-a_{11}^2a_{22}^2 + 2.00 \cdot a_{12}a_{11}a_{22}a_{21} - a_{12}^2a_{21}^2 > 0$
 $c_1a_{11}a_{22}^2 - c_2a_{11}a_{22}a_{21} - c_1a_{12}a_{22}a_{21} + a_{12}c_2a_{21}^2 \geq 0$
 $-3.00 \cdot a_{12}a_{11}^2a_{22}a_{21} + 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 - a_{12}^3a_{21}^3 + a_{11}^3a_{22}^3 > 0$
 $3.00 \cdot a_{12}a_{11}^2a_{22}a_{21} - 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 + a_{12}^3a_{21}^3 - a_{11}^3a_{22}^3 > 0$
 $8.00 \cdot a_{12}a_{11}^7a_{22}a_{21} - 28.00 \cdot a_{12}^2a_{11}^6a_{22}a_{21}^2 + 56.00 \cdot a_{12}^3a_{11}^5a_{22}a_{21}^3 - a_{11}^8a_{22}^8 - 70.00 \cdot a_{12}^4a_{11}^4a_{22}^4a_{21}^4 +$
 $56.00 \cdot a_{12}^5a_{11}^3a_{22}^3a_{21}^5 - 28.00 \cdot a_{12}^6a_{11}^2a_{22}^2a_{21}^6 + 8.00 \cdot a_{12}^7a_{11}a_{22}a_{21}^7 - a_{12}^8a_{21}^8 \geq 0$
 $-8.00 \cdot a_{12}a_{11}^7a_{22}a_{21} + 28.00 \cdot a_{12}^2a_{11}^6a_{22}a_{21}^2 - 56.00 \cdot a_{12}^3a_{11}^5a_{22}a_{21}^3 + a_{11}^8a_{22}^8 + 70.00 \cdot a_{12}^4a_{11}^4a_{22}^4a_{21}^4 -$
 $56.00 \cdot a_{12}^5a_{11}^3a_{22}^3a_{21}^5 + 28.00 \cdot a_{12}^6a_{11}^2a_{22}^2a_{21}^6 - 8.00 \cdot a_{12}^7a_{11}a_{22}a_{21}^7 + a_{12}^8a_{21}^8 > 0$
pot #44:

symbol $a_{12} : (-inf, 0.0]$
symbol $c_1 : (-inf, 0.0)$
symbol $a_{11} : (-0.0, inf)$
symbol $a_{22} : (-0.0, inf)$
symbol $b_1 : [-0.0, inf)$
symbol $b_2 : [-0.0, inf)$
symbol $a_{21} : (-inf, 0.0)$
 $-c_2a_{11} + c_1a_{12} > 0$
 $a_{11}a_{22} - a_{12}a_{21} > 0$
 $c_1a_{22} - c_2a_{21} > 0$
 $-3.00 \cdot a_{12}a_{11}^2a_{22}a_{21} + 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 - a_{12}^3a_{21}^3 + a_{11}^3a_{22}^3 \geq 0$
 $-a_{11}^2a_{22}^2 + 2.00 \cdot a_{12}a_{11}a_{22}a_{21} - a_{12}^2a_{21}^2 > 0$
 $c_1a_{11}a_{22}^2 - c_2a_{11}a_{22}a_{21} - c_1a_{12}a_{22}a_{21} + a_{12}c_2a_{21}^2 \geq 0$
 $-3.00 \cdot a_{12}a_{11}^2a_{22}a_{21} + 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 - a_{12}^3a_{21}^3 + a_{11}^3a_{22}^3 > 0$
 $-a_{11}^3a_{22}^3 + 3.00 \cdot a_{12}a_{11}^2a_{22}a_{21} - 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 + a_{12}^3a_{21}^3 > 0$
 $-8.00 \cdot a_{12}a_{11}^7a_{22}a_{21} + 28.00 \cdot a_{12}^2a_{11}^6a_{22}a_{21}^2 - 56.00 \cdot a_{12}^3a_{11}^5a_{22}a_{21}^3 + a_{11}^8a_{22}^8 + 70.00 \cdot a_{12}^4a_{11}^4a_{22}^4a_{21}^4 -$
 $56.00 \cdot a_{12}^5a_{11}^3a_{22}^3a_{21}^5 + 28.00 \cdot a_{12}^6a_{11}^2a_{22}^2a_{21}^6 - 8.00 \cdot a_{12}^7a_{11}a_{22}a_{21}^7 + a_{12}^8a_{21}^8 \geq 0$
 $-8.00 \cdot a_{12}a_{11}^7a_{22}a_{21} + 28.00 \cdot a_{12}^2a_{11}^6a_{22}a_{21}^2 - 56.00 \cdot a_{12}^3a_{11}^5a_{22}a_{21}^3 + a_{11}^8a_{22}^8 + 70.00 \cdot a_{12}^4a_{11}^4a_{22}^4a_{21}^4 -$
 $56.00 \cdot a_{12}^5a_{11}^3a_{22}^3a_{21}^5 + 28.00 \cdot a_{12}^6a_{11}^2a_{22}^2a_{21}^6 - 8.00 \cdot a_{12}^7a_{11}a_{22}a_{21}^7 + a_{12}^8a_{21}^8 > 0$
pot #45:

symbol $a_{12} : (-inf, 0.0]$
symbol $c_1 : (-inf, 0.0)$
symbol $a_{11} : (-0.0, inf)$
symbol $a_{22} : (-0.0, inf)$
symbol $b_1 : [-0.0, inf)$
symbol $b_2 : [-0.0, inf)$
symbol $a_{21} : (-inf, 0.0)$
 $-c_2a_{11} + c_1a_{12} > 0$
 $a_{11}a_{22} - a_{12}a_{21} > 0$
 $c_1a_{22} - c_2a_{21} > 0$

$$\begin{aligned}
& -3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} + 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 - a_{12}^3a_{21}^3 + a_{11}^3a_{22}^3 \geq 0 \\
& -a_{11}^2a_{22}^2 + 2.00 \cdot a_{12}a_{11}a_{22}a_{21} - a_{12}^2a_{21}^2 > 0 \\
& c_1a_{11}a_{22}^2 - c_2a_{11}a_{22}a_{21} - c_1a_{12}a_{22}a_{21} + a_{12}c_2a_{21}^2 \geq 0 \\
& -3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} + 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 - a_{12}^3a_{21}^3 + a_{11}^3a_{22}^3 > 0 \\
& -a_{11}^3a_{22}^3 + 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} - 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 + a_{12}^3a_{21}^3 > 0 \\
& 8.00 \cdot a_{12}a_{11}^7a_{22}^7a_{21} - 28.00 \cdot a_{12}^2a_{11}^6a_{22}^6a_{21}^2 + 56.00 \cdot a_{12}^3a_{11}^5a_{22}^5a_{21}^3 - a_{11}^8a_{22}^8 - 70.00 \cdot a_{12}^4a_{11}^4a_{22}^4a_{21}^4 + \\
& 56.00 \cdot a_{12}^5a_{11}^3a_{22}^3a_{21}^5 - 28.00 \cdot a_{12}^6a_{11}^2a_{22}^2a_{21}^6 + 8.00 \cdot a_{12}^7a_{11}a_{22}a_{21}^7 - a_{12}^8a_{21}^8 \geq 0 \\
& 8.00 \cdot a_{12}a_{11}^7a_{22}^7a_{21} - 28.00 \cdot a_{12}^2a_{11}^6a_{22}^6a_{21}^2 + 56.00 \cdot a_{12}^3a_{11}^5a_{22}^5a_{21}^3 - a_{11}^8a_{22}^8 - 70.00 \cdot a_{12}^4a_{11}^4a_{22}^4a_{21}^4 + \\
& 56.00 \cdot a_{12}^5a_{11}^3a_{22}^3a_{21}^5 - 28.00 \cdot a_{12}^6a_{11}^2a_{22}^2a_{21}^6 + 8.00 \cdot a_{12}^7a_{11}a_{22}a_{21}^7 - a_{12}^8a_{21}^8 > 0
\end{aligned}$$

pot #46:

symbol a_{12} : $(-inf, 0.0]$

symbol c_1 : $(-inf, 0.0)$

symbol a_{11} : $(-0.0, inf)$

symbol a_{22} : $(-0.0, inf)$

symbol b_1 : -0.0

symbol b_2 : $[-0.0, inf)$

symbol a_{21} : $(-inf, 0.0)$

$$-c_2a_{11} + c_1a_{12} > 0$$

$$a_{11}a_{22} - a_{12}a_{21} > 0$$

$$c_1a_{22} - c_2a_{21} > 0$$

$$-3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} + 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 - a_{12}^3a_{21}^3 + a_{11}^3a_{22}^3 \geq 0$$

$$-a_{11}^2a_{22}^2 + 2.00 \cdot a_{12}a_{11}a_{22}a_{21} - a_{12}^2a_{21}^2 > 0$$

$$c_1a_{11}a_{22}^2 - c_2a_{11}a_{22}a_{21} - c_1a_{12}a_{22}a_{21} + a_{12}c_2a_{21}^2 \geq 0$$

$$-3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} + 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 - a_{12}^3a_{21}^3 + a_{11}^3a_{22}^3 > 0$$

$$-a_{11}^3a_{22}^3 + 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} - 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 + a_{12}^3a_{21}^3 > 0$$

$$-8.00 \cdot a_{12}a_{11}^7a_{22}^7a_{21} + 28.00 \cdot a_{12}^2a_{11}^6a_{22}^6a_{21}^2 - 56.00 \cdot a_{12}^3a_{11}^5a_{22}^5a_{21}^3 + a_{11}^8a_{22}^8 + 70.00 \cdot a_{12}^4a_{11}^4a_{22}^4a_{21}^4 -$$

$$56.00 \cdot a_{12}^5a_{11}^3a_{22}^3a_{21}^5 + 28.00 \cdot a_{12}^6a_{11}^2a_{22}^2a_{21}^6 - 8.00 \cdot a_{12}^7a_{11}a_{22}a_{21}^7 + a_{12}^8a_{21}^8 \geq 0$$

$$8.00 \cdot a_{12}a_{11}^7a_{22}^7a_{21} - 28.00 \cdot a_{12}^2a_{11}^6a_{22}^6a_{21}^2 + 56.00 \cdot a_{12}^3a_{11}^5a_{22}^5a_{21}^3 - a_{11}^8a_{22}^8 - 70.00 \cdot a_{12}^4a_{11}^4a_{22}^4a_{21}^4 +$$

$$56.00 \cdot a_{12}^5a_{11}^3a_{22}^3a_{21}^5 - 28.00 \cdot a_{12}^6a_{11}^2a_{22}^2a_{21}^6 + 8.00 \cdot a_{12}^7a_{11}a_{22}a_{21}^7 - a_{12}^8a_{21}^8 > 0$$

pot #47:

symbol a_{12} : $(-inf, 0.0]$

symbol c_1 : $(-inf, 0.0)$

symbol a_{11} : $(-0.0, inf)$

symbol a_{22} : $(-0.0, inf)$

symbol b_1 : -0.0

symbol b_2 : $[-0.0, inf)$

symbol a_{21} : $(-inf, 0.0)$

$$-c_2a_{11} + c_1a_{12} > 0$$

$$a_{11}a_{22} - a_{12}a_{21} > 0$$

$$c_1a_{22} - c_2a_{21} > 0$$

$$-3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} + 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 - a_{12}^3a_{21}^3 + a_{11}^3a_{22}^3 \geq 0$$

$$-a_{11}^2a_{22}^2 + 2.00 \cdot a_{12}a_{11}a_{22}a_{21} - a_{12}^2a_{21}^2 > 0$$

$$c_1a_{11}a_{22}^2 - c_2a_{11}a_{22}a_{21} - c_1a_{12}a_{22}a_{21} + a_{12}c_2a_{21}^2 \geq 0$$

$$-3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} + 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 - a_{12}^3a_{21}^3 + a_{11}^3a_{22}^3 > 0$$

$$-a_{11}^3a_{22}^3 + 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} - 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 + a_{12}^3a_{21}^3 > 0$$

$$8.00 \cdot a_{12}a_{11}^7a_{22}^7a_{21} - 28.00 \cdot a_{12}^2a_{11}^6a_{22}^6a_{21}^2 + 56.00 \cdot a_{12}^3a_{11}^5a_{22}^5a_{21}^3 - a_{11}^8a_{22}^8 - 70.00 \cdot a_{12}^4a_{11}^4a_{22}^4a_{21}^4 +$$

$$56.00 \cdot a_{12}^5a_{11}^3a_{22}^3a_{21}^5 - 28.00 \cdot a_{12}^6a_{11}^2a_{22}^2a_{21}^6 + 8.00 \cdot a_{12}^7a_{11}a_{22}a_{21}^7 - a_{12}^8a_{21}^8 \geq 0$$

$$-8.00 \cdot a_{12}a_{11}^7a_{22}^7a_{21} + 28.00 \cdot a_{12}^2a_{11}^6a_{22}^6a_{21}^2 - 56.00 \cdot a_{12}^3a_{11}^5a_{22}^5a_{21}^3 + a_{11}^8a_{22}^8 + 70.00 \cdot a_{12}^4a_{11}^4a_{22}^4a_{21}^4 -$$

$$56.00 \cdot a_{12}^5a_{11}^3a_{22}^3a_{21}^5 + 28.00 \cdot a_{12}^6a_{11}^2a_{22}^2a_{21}^6 - 8.00 \cdot a_{12}^7a_{11}a_{22}a_{21}^7 + a_{12}^8a_{21}^8 > 0$$

pot #48:

symbol $a_{12} : (-inf, 0.0]$
symbol $c_1 : (-inf, 0.0)$
symbol $a_{11} : (-0.0, inf)$
symbol $a_{22} : (-0.0, inf)$
symbol $b_1 : [-0.0, inf)$
symbol $b_2 : -0.0$
symbol $a_{21} : (-inf, 0.0)$
 $-c_2a_{11} + c_1a_{12} > 0$
 $a_{11}a_{22} - a_{12}a_{21} > 0$
 $c_1a_{22} - c_2a_{21} > 0$
 $3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} - 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 + a_{12}^3a_{21}^3 - a_{11}^3a_{22}^3 \geq 0$
 $-a_{11}^2a_{22}^2 + 2.00 \cdot a_{12}a_{11}a_{22}a_{21} - a_{12}^2a_{21}^2 > 0$
 $c_1a_{11}a_{22}^2 - c_2a_{11}a_{22}a_{21} - c_1a_{12}a_{22}a_{21} + a_{12}c_2a_{21}^2 \geq 0$
 $3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} - 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 + a_{12}^3a_{21}^3 - a_{11}^3a_{22}^3 > 0$
 $a_{11}^3a_{22}^3 - 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} + 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 - a_{12}^3a_{21}^3 > 0$
 $-8.00 \cdot a_{12}a_{11}^7a_{22}^7a_{21} + 28.00 \cdot a_{12}^2a_{11}^6a_{22}^6a_{21}^2 - 56.00 \cdot a_{12}^3a_{11}^5a_{22}^5a_{21}^3 + a_{11}^8a_{22}^8 + 70.00 \cdot a_{12}^4a_{11}^4a_{22}^4a_{21}^4 -$
 $56.00 \cdot a_{12}^5a_{11}^3a_{22}^3a_{21}^5 + 28.00 \cdot a_{12}^6a_{11}^2a_{22}^2a_{21}^6 - 8.00 \cdot a_{12}^7a_{11}a_{22}a_{21}^7 + a_{12}^8a_{21}^8 \geq 0$
 $-8.00 \cdot a_{12}a_{11}^7a_{22}^7a_{21} + 28.00 \cdot a_{12}^2a_{11}^6a_{22}^6a_{21}^2 - 56.00 \cdot a_{12}^3a_{11}^5a_{22}^5a_{21}^3 + a_{11}^8a_{22}^8 + 70.00 \cdot a_{12}^4a_{11}^4a_{22}^4a_{21}^4 -$
 $56.00 \cdot a_{12}^5a_{11}^3a_{22}^3a_{21}^5 + 28.00 \cdot a_{12}^6a_{11}^2a_{22}^2a_{21}^6 - 8.00 \cdot a_{12}^7a_{11}a_{22}a_{21}^7 + a_{12}^8a_{21}^8 > 0$
pot #49:

symbol $a_{12} : (-inf, 0.0]$
symbol $c_1 : (-inf, 0.0)$
symbol $a_{11} : (-0.0, inf)$
symbol $a_{22} : (-0.0, inf)$
symbol $b_1 : [-0.0, inf)$
symbol $b_2 : -0.0$
symbol $a_{21} : (-inf, 0.0)$
 $-c_2a_{11} + c_1a_{12} > 0$
 $a_{11}a_{22} - a_{12}a_{21} > 0$
 $c_1a_{22} - c_2a_{21} > 0$
 $3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} - 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 + a_{12}^3a_{21}^3 - a_{11}^3a_{22}^3 \geq 0$
 $-a_{11}^2a_{22}^2 + 2.00 \cdot a_{12}a_{11}a_{22}a_{21} - a_{12}^2a_{21}^2 > 0$
 $c_1a_{11}a_{22}^2 - c_2a_{11}a_{22}a_{21} - c_1a_{12}a_{22}a_{21} + a_{12}c_2a_{21}^2 \geq 0$
 $3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} - 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 + a_{12}^3a_{21}^3 - a_{11}^3a_{22}^3 > 0$
 $a_{11}^3a_{22}^3 - 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} + 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 - a_{12}^3a_{21}^3 > 0$
 $8.00 \cdot a_{12}a_{11}^7a_{22}^7a_{21} - 28.00 \cdot a_{12}^2a_{11}^6a_{22}^6a_{21}^2 + 56.00 \cdot a_{12}^3a_{11}^5a_{22}^5a_{21}^3 - a_{11}^8a_{22}^8 - 70.00 \cdot a_{12}^4a_{11}^4a_{22}^4a_{21}^4 +$
 $56.00 \cdot a_{12}^5a_{11}^3a_{22}^3a_{21}^5 - 28.00 \cdot a_{12}^6a_{11}^2a_{22}^2a_{21}^6 + 8.00 \cdot a_{12}^7a_{11}a_{22}a_{21}^7 - a_{12}^8a_{21}^8 \geq 0$
 $8.00 \cdot a_{12}a_{11}^7a_{22}^7a_{21} - 28.00 \cdot a_{12}^2a_{11}^6a_{22}^6a_{21}^2 + 56.00 \cdot a_{12}^3a_{11}^5a_{22}^5a_{21}^3 - a_{11}^8a_{22}^8 - 70.00 \cdot a_{12}^4a_{11}^4a_{22}^4a_{21}^4 +$
 $56.00 \cdot a_{12}^5a_{11}^3a_{22}^3a_{21}^5 - 28.00 \cdot a_{12}^6a_{11}^2a_{22}^2a_{21}^6 + 8.00 \cdot a_{12}^7a_{11}a_{22}a_{21}^7 - a_{12}^8a_{21}^8 > 0$
pot #50:

symbol $a_{12} : (-inf, 0.0]$
symbol $c_1 : (-inf, 0.0)$
symbol $a_{11} : (-0.0, inf)$
symbol $a_{22} : (-0.0, inf)$
symbol $b_1 : -0.0$
symbol $b_2 : -0.0$
symbol $a_{21} : (-inf, 0.0)$
 $-c_2a_{11} + c_1a_{12} > 0$
 $a_{11}a_{22} - a_{12}a_{21} > 0$
 $c_1a_{22} - c_2a_{21} > 0$

$$\begin{aligned}
& 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} - 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 + a_{12}^3a_{21}^3 - a_{11}^3a_{22}^3 \geq 0 \\
& -a_{11}^2a_{22}^2 + 2.00 \cdot a_{12}a_{11}a_{22}a_{21} - a_{12}^2a_{21}^2 > 0 \\
& c_1a_{11}a_{22}^2 - c_2a_{11}a_{22}a_{21} - c_1a_{12}a_{22}a_{21} + a_{12}c_2a_{21}^2 \geq 0 \\
& 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} - 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 + a_{12}^3a_{21}^3 - a_{11}^3a_{22}^3 > 0 \\
& a_{11}^3a_{22}^3 - 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} + 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 - a_{12}^3a_{21}^3 > 0 \\
& -8.00 \cdot a_{12}a_{11}^7a_{22}^7a_{21} + 28.00 \cdot a_{12}^2a_{11}^6a_{22}^6a_{21}^2 - 56.00 \cdot a_{12}^3a_{11}^5a_{22}^5a_{21}^3 + a_{11}^8a_{22}^8 + 70.00 \cdot a_{12}^4a_{11}^4a_{22}^4a_{21}^4 - \\
& 56.00 \cdot a_{12}^5a_{11}^3a_{22}^3a_{21}^5 + 28.00 \cdot a_{12}^6a_{11}^2a_{22}^2a_{21}^6 - 8.00 \cdot a_{12}^7a_{11}a_{22}a_{21}^7 + a_{12}^8a_{21}^8 \geq 0 \\
& 8.00 \cdot a_{12}a_{11}^7a_{22}^7a_{21} - 28.00 \cdot a_{12}^2a_{11}^6a_{22}^6a_{21}^2 + 56.00 \cdot a_{12}^3a_{11}^5a_{22}^5a_{21}^3 - a_{11}^8a_{22}^8 - 70.00 \cdot a_{12}^4a_{11}^4a_{22}^4a_{21}^4 + \\
& 56.00 \cdot a_{12}^5a_{11}^3a_{22}^3a_{21}^5 - 28.00 \cdot a_{12}^6a_{11}^2a_{22}^2a_{21}^6 + 8.00 \cdot a_{12}^7a_{11}a_{22}a_{21}^7 - a_{12}^8a_{21}^8 > 0
\end{aligned}$$

pot #51:

symbol a_{12} : $(-inf, 0.0]$

symbol c_1 : $(-inf, 0.0)$

symbol a_{11} : $(-0.0, inf)$

symbol a_{22} : $(-0.0, inf)$

symbol b_1 : -0.0

symbol b_2 : -0.0

symbol a_{21} : $(-inf, 0.0)$

$$-c_2a_{11} + c_1a_{12} > 0$$

$$a_{11}a_{22} - a_{12}a_{21} > 0$$

$$c_1a_{22} - c_2a_{21} > 0$$

$$3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} - 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 + a_{12}^3a_{21}^3 - a_{11}^3a_{22}^3 \geq 0$$

$$-a_{11}^2a_{22}^2 + 2.00 \cdot a_{12}a_{11}a_{22}a_{21} - a_{12}^2a_{21}^2 > 0$$

$$c_1a_{11}a_{22}^2 - c_2a_{11}a_{22}a_{21} - c_1a_{12}a_{22}a_{21} + a_{12}c_2a_{21}^2 \geq 0$$

$$3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} - 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 + a_{12}^3a_{21}^3 - a_{11}^3a_{22}^3 > 0$$

$$a_{11}^3a_{22}^3 - 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} + 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 - a_{12}^3a_{21}^3 > 0$$

$$8.00 \cdot a_{12}a_{11}^7a_{22}^7a_{21} - 28.00 \cdot a_{12}^2a_{11}^6a_{22}^6a_{21}^2 + 56.00 \cdot a_{12}^3a_{11}^5a_{22}^5a_{21}^3 - a_{11}^8a_{22}^8 - 70.00 \cdot a_{12}^4a_{11}^4a_{22}^4a_{21}^4 +$$

$$56.00 \cdot a_{12}^5a_{11}^3a_{22}^3a_{21}^5 - 28.00 \cdot a_{12}^6a_{11}^2a_{22}^2a_{21}^6 + 8.00 \cdot a_{12}^7a_{11}a_{22}a_{21}^7 - a_{12}^8a_{21}^8 \geq 0$$

$$-8.00 \cdot a_{12}a_{11}^7a_{22}^7a_{21} + 28.00 \cdot a_{12}^2a_{11}^6a_{22}^6a_{21}^2 - 56.00 \cdot a_{12}^3a_{11}^5a_{22}^5a_{21}^3 + a_{11}^8a_{22}^8 + 70.00 \cdot a_{12}^4a_{11}^4a_{22}^4a_{21}^4 -$$

$$56.00 \cdot a_{12}^5a_{11}^3a_{22}^3a_{21}^5 + 28.00 \cdot a_{12}^6a_{11}^2a_{22}^2a_{21}^6 - 8.00 \cdot a_{12}^7a_{11}a_{22}a_{21}^7 + a_{12}^8a_{21}^8 > 0$$

pot #52:

symbol a_{12} : $(-inf, 0.0]$

symbol c_1 : $(-inf, 0.0)$

symbol a_{11} : $(-0.0, inf)$

symbol a_{22} : $(-0.0, inf)$

symbol b_1 : $[-0.0, inf)$

symbol b_2 : -0.0

symbol a_{21} : $(-inf, 0.0)$

$$-c_2a_{11} + c_1a_{12} > 0$$

$$a_{11}a_{22} - a_{12}a_{21} > 0$$

$$c_1a_{22} - c_2a_{21} > 0$$

$$3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} - 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 + a_{12}^3a_{21}^3 - a_{11}^3a_{22}^3 \geq 0$$

$$-a_{11}^2a_{22}^2 + 2.00 \cdot a_{12}a_{11}a_{22}a_{21} - a_{12}^2a_{21}^2 > 0$$

$$c_1a_{11}a_{22}^2 - c_2a_{11}a_{22}a_{21} - c_1a_{12}a_{22}a_{21} + a_{12}c_2a_{21}^2 \geq 0$$

$$3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} - 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 + a_{12}^3a_{21}^3 - a_{11}^3a_{22}^3 > 0$$

$$-3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} + 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 - a_{12}^3a_{21}^3 + a_{11}^3a_{22}^3 > 0$$

$$-8.00 \cdot a_{12}a_{11}^7a_{22}^7a_{21} + 28.00 \cdot a_{12}^2a_{11}^6a_{22}^6a_{21}^2 - 56.00 \cdot a_{12}^3a_{11}^5a_{22}^5a_{21}^3 + a_{11}^8a_{22}^8 + 70.00 \cdot a_{12}^4a_{11}^4a_{22}^4a_{21}^4 -$$

$$56.00 \cdot a_{12}^5a_{11}^3a_{22}^3a_{21}^5 + 28.00 \cdot a_{12}^6a_{11}^2a_{22}^2a_{21}^6 - 8.00 \cdot a_{12}^7a_{11}a_{22}a_{21}^7 + a_{12}^8a_{21}^8 \geq 0$$

$$-8.00 \cdot a_{12}a_{11}^7a_{22}^7a_{21} + 28.00 \cdot a_{12}^2a_{11}^6a_{22}^6a_{21}^2 - 56.00 \cdot a_{12}^3a_{11}^5a_{22}^5a_{21}^3 + a_{11}^8a_{22}^8 + 70.00 \cdot a_{12}^4a_{11}^4a_{22}^4a_{21}^4 -$$

$$56.00 \cdot a_{12}^5a_{11}^3a_{22}^3a_{21}^5 + 28.00 \cdot a_{12}^6a_{11}^2a_{22}^2a_{21}^6 - 8.00 \cdot a_{12}^7a_{11}a_{22}a_{21}^7 + a_{12}^8a_{21}^8 > 0$$

pot #53:

symbol $a_{12} : (-inf, 0.0]$

symbol $c_1 : (-inf, 0.0)$

symbol $a_{11} : (-0.0, inf)$

symbol $a_{22} : (-0.0, inf)$

symbol $b_1 : [-0.0, inf)$

symbol $b_2 : -0.0$

symbol $a_{21} : (-inf, 0.0)$

$-c_2a_{11} + c_1a_{12} > 0$

$a_{11}a_{22} - a_{12}a_{21} > 0$

$c_1a_{22} - c_2a_{21} > 0$

$3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} - 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 + a_{12}^3a_{21}^3 - a_{11}^3a_{22}^3 \geq 0$

$-a_{11}^2a_{22}^2 + 2.00 \cdot a_{12}a_{11}a_{22}a_{21} - a_{12}^2a_{21}^2 > 0$

$c_1a_{11}a_{22}^2 - c_2a_{11}a_{22}a_{21} - c_1a_{12}a_{22}a_{21} + a_{12}c_2a_{21}^2 \geq 0$

$3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} - 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 + a_{12}^3a_{21}^3 - a_{11}^3a_{22}^3 > 0$

$-3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} + 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 - a_{12}^3a_{21}^3 + a_{11}^3a_{22}^3 > 0$

$8.00 \cdot a_{12}a_{11}^7a_{22}^7a_{21} - 28.00 \cdot a_{12}^2a_{11}^6a_{22}^6a_{21}^2 + 56.00 \cdot a_{12}^3a_{11}^5a_{22}^5a_{21}^3 - a_{11}^8a_{22}^8 - 70.00 \cdot a_{12}^4a_{11}^4a_{22}^4a_{21}^4 +$

$56.00 \cdot a_{12}^5a_{11}^3a_{22}^3a_{21}^5 - 28.00 \cdot a_{12}^6a_{11}^2a_{22}^2a_{21}^6 + 8.00 \cdot a_{12}^7a_{11}a_{22}a_{21}^7 - a_{12}^8a_{21}^8 \geq 0$

$8.00 \cdot a_{12}a_{11}^7a_{22}^7a_{21} - 28.00 \cdot a_{12}^2a_{11}^6a_{22}^6a_{21}^2 + 56.00 \cdot a_{12}^3a_{11}^5a_{22}^5a_{21}^3 - a_{11}^8a_{22}^8 - 70.00 \cdot a_{12}^4a_{11}^4a_{22}^4a_{21}^4 +$

$56.00 \cdot a_{12}^5a_{11}^3a_{22}^3a_{21}^5 - 28.00 \cdot a_{12}^6a_{11}^2a_{22}^2a_{21}^6 + 8.00 \cdot a_{12}^7a_{11}a_{22}a_{21}^7 - a_{12}^8a_{21}^8 > 0$

pot #54:

symbol $a_{12} : (-inf, 0.0]$

symbol $c_1 : (-inf, 0.0)$

symbol $a_{11} : (-0.0, inf)$

symbol $a_{22} : (-0.0, inf)$

symbol $b_1 : -0.0$

symbol $b_2 : -0.0$

symbol $a_{21} : (-inf, 0.0)$

$-c_2a_{11} + c_1a_{12} > 0$

$a_{11}a_{22} - a_{12}a_{21} > 0$

$c_1a_{22} - c_2a_{21} > 0$

$3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} - 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 + a_{12}^3a_{21}^3 - a_{11}^3a_{22}^3 \geq 0$

$-a_{11}^2a_{22}^2 + 2.00 \cdot a_{12}a_{11}a_{22}a_{21} - a_{12}^2a_{21}^2 > 0$

$c_1a_{11}a_{22}^2 - c_2a_{11}a_{22}a_{21} - c_1a_{12}a_{22}a_{21} + a_{12}c_2a_{21}^2 \geq 0$

$3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} - 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 + a_{12}^3a_{21}^3 - a_{11}^3a_{22}^3 > 0$

$-3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} + 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 - a_{12}^3a_{21}^3 + a_{11}^3a_{22}^3 > 0$

$-8.00 \cdot a_{12}a_{11}^7a_{22}^7a_{21} + 28.00 \cdot a_{12}^2a_{11}^6a_{22}^6a_{21}^2 - 56.00 \cdot a_{12}^3a_{11}^5a_{22}^5a_{21}^3 + a_{11}^8a_{22}^8 + 70.00 \cdot a_{12}^4a_{11}^4a_{22}^4a_{21}^4 -$

$56.00 \cdot a_{12}^5a_{11}^3a_{22}^3a_{21}^5 + 28.00 \cdot a_{12}^6a_{11}^2a_{22}^2a_{21}^6 - 8.00 \cdot a_{12}^7a_{11}a_{22}a_{21}^7 + a_{12}^8a_{21}^8 \geq 0$

$8.00 \cdot a_{12}a_{11}^7a_{22}^7a_{21} - 28.00 \cdot a_{12}^2a_{11}^6a_{22}^6a_{21}^2 + 56.00 \cdot a_{12}^3a_{11}^5a_{22}^5a_{21}^3 - a_{11}^8a_{22}^8 - 70.00 \cdot a_{12}^4a_{11}^4a_{22}^4a_{21}^4 +$

$56.00 \cdot a_{12}^5a_{11}^3a_{22}^3a_{21}^5 - 28.00 \cdot a_{12}^6a_{11}^2a_{22}^2a_{21}^6 + 8.00 \cdot a_{12}^7a_{11}a_{22}a_{21}^7 - a_{12}^8a_{21}^8 > 0$

pot #55:

symbol $a_{12} : (-inf, 0.0]$

symbol $c_1 : (-inf, 0.0)$

symbol $a_{11} : (-0.0, inf)$

symbol $a_{22} : (-0.0, inf)$

symbol $b_1 : -0.0$

symbol $b_2 : -0.0$

symbol $a_{21} : (-inf, 0.0)$

$-c_2a_{11} + c_1a_{12} > 0$

$a_{11}a_{22} - a_{12}a_{21} > 0$

$c_1a_{22} - c_2a_{21} > 0$

$$\begin{aligned}
& 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} - 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 + a_{12}^3a_{21}^3 - a_{11}^3a_{22}^3 \geq 0 \\
& -a_{11}^2a_{22}^2 + 2.00 \cdot a_{12}a_{11}a_{22}a_{21} - a_{12}^2a_{21}^2 > 0 \\
& c_1a_{11}a_{22}^2 - c_2a_{11}a_{22}a_{21} - c_1a_{12}a_{22}a_{21} + a_{12}c_2a_{21}^2 \geq 0 \\
& 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} - 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 + a_{12}^3a_{21}^3 - a_{11}^3a_{22}^3 > 0 \\
& -3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} + 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 - a_{12}^3a_{21}^3 + a_{11}^3a_{22}^3 > 0 \\
& 8.00 \cdot a_{12}a_{11}^7a_{22}^7a_{21} - 28.00 \cdot a_{12}^2a_{11}^6a_{22}^6a_{21}^2 + 56.00 \cdot a_{12}^3a_{11}^5a_{22}^5a_{21}^3 - a_{11}^8a_{22}^8 - 70.00 \cdot a_{12}^4a_{11}^4a_{22}^4a_{21}^4 + \\
& 56.00 \cdot a_{12}^5a_{11}^3a_{22}^3a_{21}^5 - 28.00 \cdot a_{12}^6a_{11}^2a_{22}^2a_{21}^6 + 8.00 \cdot a_{12}^7a_{11}a_{22}a_{21}^7 - a_{12}^8a_{21}^8 \geq 0 \\
& -8.00 \cdot a_{12}a_{11}^7a_{22}^7a_{21} + 28.00 \cdot a_{12}^2a_{11}^6a_{22}^6a_{21}^2 - 56.00 \cdot a_{12}^3a_{11}^5a_{22}^5a_{21}^3 + a_{11}^8a_{22}^8 + 70.00 \cdot a_{12}^4a_{11}^4a_{22}^4a_{21}^4 - \\
& 56.00 \cdot a_{12}^5a_{11}^3a_{22}^3a_{21}^5 + 28.00 \cdot a_{12}^6a_{11}^2a_{22}^2a_{21}^6 - 8.00 \cdot a_{12}^7a_{11}a_{22}a_{21}^7 + a_{12}^8a_{21}^8 > 0
\end{aligned}$$

pot #56:

symbol a_{12} : $(-inf, 0.0]$

symbol c_1 : $(-inf, 0.0)$

symbol a_{11} : $(-0.0, inf)$

symbol a_{22} : $(-0.0, inf)$

symbol b_1 : $[-0.0, inf)$

symbol b_2 : -0.0

symbol a_{21} : $(-inf, 0.0)$

$$-c_2a_{11} + c_1a_{12} > 0$$

$$a_{11}a_{22} - a_{12}a_{21} > 0$$

$$c_1a_{22} - c_2a_{21} > 0$$

$$3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} - 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 + a_{12}^3a_{21}^3 - a_{11}^3a_{22}^3 \geq 0$$

$$-a_{11}^2a_{22}^2 + 2.00 \cdot a_{12}a_{11}a_{22}a_{21} - a_{12}^2a_{21}^2 > 0$$

$$c_1a_{11}a_{22}^2 - c_2a_{11}a_{22}a_{21} - c_1a_{12}a_{22}a_{21} + a_{12}c_2a_{21}^2 \geq 0$$

$$-3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} + 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 - a_{12}^3a_{21}^3 + a_{11}^3a_{22}^3 > 0$$

$$3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} - 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 + a_{12}^3a_{21}^3 - a_{11}^3a_{22}^3 > 0$$

$$-8.00 \cdot a_{12}a_{11}^7a_{22}^7a_{21} + 28.00 \cdot a_{12}^2a_{11}^6a_{22}^6a_{21}^2 - 56.00 \cdot a_{12}^3a_{11}^5a_{22}^5a_{21}^3 + a_{11}^8a_{22}^8 + 70.00 \cdot a_{12}^4a_{11}^4a_{22}^4a_{21}^4 -$$

$$56.00 \cdot a_{12}^5a_{11}^3a_{22}^3a_{21}^5 + 28.00 \cdot a_{12}^6a_{11}^2a_{22}^2a_{21}^6 - 8.00 \cdot a_{12}^7a_{11}a_{22}a_{21}^7 + a_{12}^8a_{21}^8 \geq 0$$

$$-8.00 \cdot a_{12}a_{11}^7a_{22}^7a_{21} + 28.00 \cdot a_{12}^2a_{11}^6a_{22}^6a_{21}^2 - 56.00 \cdot a_{12}^3a_{11}^5a_{22}^5a_{21}^3 + a_{11}^8a_{22}^8 + 70.00 \cdot a_{12}^4a_{11}^4a_{22}^4a_{21}^4 -$$

$$56.00 \cdot a_{12}^5a_{11}^3a_{22}^3a_{21}^5 + 28.00 \cdot a_{12}^6a_{11}^2a_{22}^2a_{21}^6 - 8.00 \cdot a_{12}^7a_{11}a_{22}a_{21}^7 + a_{12}^8a_{21}^8 > 0$$

pot #57:

symbol a_{12} : $(-inf, 0.0]$

symbol c_1 : $(-inf, 0.0)$

symbol a_{11} : $(-0.0, inf)$

symbol a_{22} : $(-0.0, inf)$

symbol b_1 : $[-0.0, inf)$

symbol b_2 : -0.0

symbol a_{21} : $(-inf, 0.0)$

$$-c_2a_{11} + c_1a_{12} > 0$$

$$a_{11}a_{22} - a_{12}a_{21} > 0$$

$$c_1a_{22} - c_2a_{21} > 0$$

$$3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} - 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 + a_{12}^3a_{21}^3 - a_{11}^3a_{22}^3 \geq 0$$

$$-a_{11}^2a_{22}^2 + 2.00 \cdot a_{12}a_{11}a_{22}a_{21} - a_{12}^2a_{21}^2 > 0$$

$$c_1a_{11}a_{22}^2 - c_2a_{11}a_{22}a_{21} - c_1a_{12}a_{22}a_{21} + a_{12}c_2a_{21}^2 \geq 0$$

$$-3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} + 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 - a_{12}^3a_{21}^3 + a_{11}^3a_{22}^3 > 0$$

$$3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} - 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 + a_{12}^3a_{21}^3 - a_{11}^3a_{22}^3 > 0$$

$$8.00 \cdot a_{12}a_{11}^7a_{22}^7a_{21} - 28.00 \cdot a_{12}^2a_{11}^6a_{22}^6a_{21}^2 + 56.00 \cdot a_{12}^3a_{11}^5a_{22}^5a_{21}^3 - a_{11}^8a_{22}^8 - 70.00 \cdot a_{12}^4a_{11}^4a_{22}^4a_{21}^4 +$$

$$56.00 \cdot a_{12}^5a_{11}^3a_{22}^3a_{21}^5 - 28.00 \cdot a_{12}^6a_{11}^2a_{22}^2a_{21}^6 + 8.00 \cdot a_{12}^7a_{11}a_{22}a_{21}^7 - a_{12}^8a_{21}^8 \geq 0$$

$$8.00 \cdot a_{12}a_{11}^7a_{22}^7a_{21} - 28.00 \cdot a_{12}^2a_{11}^6a_{22}^6a_{21}^2 + 56.00 \cdot a_{12}^3a_{11}^5a_{22}^5a_{21}^3 - a_{11}^8a_{22}^8 - 70.00 \cdot a_{12}^4a_{11}^4a_{22}^4a_{21}^4 +$$

$$56.00 \cdot a_{12}^5a_{11}^3a_{22}^3a_{21}^5 - 28.00 \cdot a_{12}^6a_{11}^2a_{22}^2a_{21}^6 + 8.00 \cdot a_{12}^7a_{11}a_{22}a_{21}^7 - a_{12}^8a_{21}^8 > 0$$

pot #58:

symbol $a_{12} : (-inf, 0.0]$
symbol $c_1 : (-inf, 0.0)$
symbol $a_{11} : (-0.0, inf)$
symbol $a_{22} : (-0.0, inf)$
symbol $b_1 : -0.0$
symbol $b_2 : -0.0$
symbol $a_{21} : (-inf, 0.0)$
 $-c_2a_{11} + c_1a_{12} > 0$
 $a_{11}a_{22} - a_{12}a_{21} > 0$
 $c_1a_{22} - c_2a_{21} > 0$
 $3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} - 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 + a_{12}^3a_{21}^3 - a_{11}^3a_{22}^3 \geq 0$
 $-a_{11}^2a_{22}^2 + 2.00 \cdot a_{12}a_{11}a_{22}a_{21} - a_{12}^2a_{21}^2 > 0$
 $c_1a_{11}a_{22}^2 - c_2a_{11}a_{22}a_{21} - c_1a_{12}a_{22}a_{21} + a_{12}c_2a_{21}^2 \geq 0$
 $-3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} + 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 - a_{12}^3a_{21}^3 + a_{11}^3a_{22}^3 > 0$
 $3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} - 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 + a_{12}^3a_{21}^3 - a_{11}^3a_{22}^3 > 0$
 $-8.00 \cdot a_{12}a_{11}^7a_{22}^7a_{21} + 28.00 \cdot a_{12}^2a_{11}^6a_{22}^6a_{21}^2 - 56.00 \cdot a_{12}^3a_{11}^5a_{22}^5a_{21}^3 + a_{11}^8a_{22}^8 + 70.00 \cdot a_{12}^4a_{11}^4a_{22}^4a_{21}^4 -$
 $56.00 \cdot a_{12}^5a_{11}^3a_{22}^3a_{21}^5 + 28.00 \cdot a_{12}^6a_{11}^2a_{22}^2a_{21}^6 - 8.00 \cdot a_{12}^7a_{11}a_{22}a_{21}^7 + a_{12}^8a_{21}^8 \geq 0$
 $8.00 \cdot a_{12}a_{11}^7a_{22}^7a_{21} - 28.00 \cdot a_{12}^2a_{11}^6a_{22}^6a_{21}^2 + 56.00 \cdot a_{12}^3a_{11}^5a_{22}^5a_{21}^3 - a_{11}^8a_{22}^8 - 70.00 \cdot a_{12}^4a_{11}^4a_{22}^4a_{21}^4 +$
 $56.00 \cdot a_{12}^5a_{11}^3a_{22}^3a_{21}^5 - 28.00 \cdot a_{12}^6a_{11}^2a_{22}^2a_{21}^6 + 8.00 \cdot a_{12}^7a_{11}a_{22}a_{21}^7 - a_{12}^8a_{21}^8 > 0$
pot #59:
symbol $a_{12} : (-inf, 0.0]$
symbol $c_1 : (-inf, 0.0)$
symbol $a_{11} : (-0.0, inf)$
symbol $a_{22} : (-0.0, inf)$
symbol $b_1 : -0.0$
symbol $b_2 : -0.0$
symbol $a_{21} : (-inf, 0.0)$
 $-c_2a_{11} + c_1a_{12} > 0$
 $a_{11}a_{22} - a_{12}a_{21} > 0$
 $c_1a_{22} - c_2a_{21} > 0$
 $3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} - 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 + a_{12}^3a_{21}^3 - a_{11}^3a_{22}^3 \geq 0$
 $-a_{11}^2a_{22}^2 + 2.00 \cdot a_{12}a_{11}a_{22}a_{21} - a_{12}^2a_{21}^2 > 0$
 $c_1a_{11}a_{22}^2 - c_2a_{11}a_{22}a_{21} - c_1a_{12}a_{22}a_{21} + a_{12}c_2a_{21}^2 \geq 0$
 $-3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} + 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 - a_{12}^3a_{21}^3 + a_{11}^3a_{22}^3 > 0$
 $3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} - 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 + a_{12}^3a_{21}^3 - a_{11}^3a_{22}^3 > 0$
 $8.00 \cdot a_{12}a_{11}^7a_{22}^7a_{21} - 28.00 \cdot a_{12}^2a_{11}^6a_{22}^6a_{21}^2 + 56.00 \cdot a_{12}^3a_{11}^5a_{22}^5a_{21}^3 - a_{11}^8a_{22}^8 - 70.00 \cdot a_{12}^4a_{11}^4a_{22}^4a_{21}^4 +$
 $56.00 \cdot a_{12}^5a_{11}^3a_{22}^3a_{21}^5 - 28.00 \cdot a_{12}^6a_{11}^2a_{22}^2a_{21}^6 + 8.00 \cdot a_{12}^7a_{11}a_{22}a_{21}^7 - a_{12}^8a_{21}^8 \geq 0$
 $-8.00 \cdot a_{12}a_{11}^7a_{22}^7a_{21} + 28.00 \cdot a_{12}^2a_{11}^6a_{22}^6a_{21}^2 - 56.00 \cdot a_{12}^3a_{11}^5a_{22}^5a_{21}^3 + a_{11}^8a_{22}^8 + 70.00 \cdot a_{12}^4a_{11}^4a_{22}^4a_{21}^4 -$
 $56.00 \cdot a_{12}^5a_{11}^3a_{22}^3a_{21}^5 + 28.00 \cdot a_{12}^6a_{11}^2a_{22}^2a_{21}^6 - 8.00 \cdot a_{12}^7a_{11}a_{22}a_{21}^7 + a_{12}^8a_{21}^8 > 0$
pot #60:
symbol $a_{12} : (-inf, 0.0]$
symbol $c_1 : (-inf, 0.0)$
symbol $a_{11} : (-0.0, inf)$
symbol $a_{22} : (-0.0, inf)$
symbol $b_1 : [-0.0, inf)$
symbol $b_2 : -0.0$
symbol $a_{21} : (-inf, 0.0)$
 $-c_2a_{11} + c_1a_{12} > 0$
 $a_{11}a_{22} - a_{12}a_{21} > 0$
 $c_1a_{22} - c_2a_{21} > 0$

$$\begin{aligned}
& 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} - 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 + a_{12}^3a_{21}^3 - a_{11}^3a_{22}^3 \geq 0 \\
& -a_{11}^2a_{22}^2 + 2.00 \cdot a_{12}a_{11}a_{22}a_{21} - a_{12}^2a_{21}^2 > 0 \\
& c_1a_{11}a_{22}^2 - c_2a_{11}a_{22}a_{21} - c_1a_{12}a_{22}a_{21} + a_{12}c_2a_{21}^2 \geq 0 \\
& -3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} + 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 - a_{12}^3a_{21}^3 + a_{11}^3a_{22}^3 > 0 \\
& -a_{11}^3a_{22}^3 + 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} - 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 + a_{12}^3a_{21}^3 > 0 \\
& -8.00 \cdot a_{12}a_{11}^7a_{22}^7a_{21} + 28.00 \cdot a_{12}^2a_{11}^6a_{22}^6a_{21}^2 - 56.00 \cdot a_{12}^3a_{11}^5a_{22}^5a_{21}^3 + a_{11}^8a_{22}^8 + 70.00 \cdot a_{12}^4a_{11}^4a_{22}^4a_{21}^4 - \\
& 56.00 \cdot a_{12}^5a_{11}^3a_{22}^3a_{21}^5 + 28.00 \cdot a_{12}^6a_{11}^2a_{22}^2a_{21}^6 - 8.00 \cdot a_{12}^7a_{11}a_{22}a_{21}^7 + a_{12}^8a_{21}^8 \geq 0 \\
& -8.00 \cdot a_{12}a_{11}^7a_{22}^7a_{21} + 28.00 \cdot a_{12}^2a_{11}^6a_{22}^6a_{21}^2 - 56.00 \cdot a_{12}^3a_{11}^5a_{22}^5a_{21}^3 + a_{11}^8a_{22}^8 + 70.00 \cdot a_{12}^4a_{11}^4a_{22}^4a_{21}^4 - \\
& 56.00 \cdot a_{12}^5a_{11}^3a_{22}^3a_{21}^5 + 28.00 \cdot a_{12}^6a_{11}^2a_{22}^2a_{21}^6 - 8.00 \cdot a_{12}^7a_{11}a_{22}a_{21}^7 + a_{12}^8a_{21}^8 > 0
\end{aligned}$$

pot #61:

symbol a_{12} : $(-inf, 0.0]$

symbol c_1 : $(-inf, 0.0)$

symbol a_{11} : $(-0.0, inf)$

symbol a_{22} : $(-0.0, inf)$

symbol b_1 : $[-0.0, inf)$

symbol b_2 : -0.0

symbol a_{21} : $(-inf, 0.0)$

$$-c_2a_{11} + c_1a_{12} > 0$$

$$a_{11}a_{22} - a_{12}a_{21} > 0$$

$$c_1a_{22} - c_2a_{21} > 0$$

$$3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} - 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 + a_{12}^3a_{21}^3 - a_{11}^3a_{22}^3 \geq 0$$

$$-a_{11}^2a_{22}^2 + 2.00 \cdot a_{12}a_{11}a_{22}a_{21} - a_{12}^2a_{21}^2 > 0$$

$$c_1a_{11}a_{22}^2 - c_2a_{11}a_{22}a_{21} - c_1a_{12}a_{22}a_{21} + a_{12}c_2a_{21}^2 \geq 0$$

$$-3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} + 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 - a_{12}^3a_{21}^3 + a_{11}^3a_{22}^3 > 0$$

$$-a_{11}^3a_{22}^3 + 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} - 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 + a_{12}^3a_{21}^3 > 0$$

$$8.00 \cdot a_{12}a_{11}^7a_{22}^7a_{21} - 28.00 \cdot a_{12}^2a_{11}^6a_{22}^6a_{21}^2 + 56.00 \cdot a_{12}^3a_{11}^5a_{22}^5a_{21}^3 - a_{11}^8a_{22}^8 - 70.00 \cdot a_{12}^4a_{11}^4a_{22}^4a_{21}^4 +$$

$$56.00 \cdot a_{12}^5a_{11}^3a_{22}^3a_{21}^5 - 28.00 \cdot a_{12}^6a_{11}^2a_{22}^2a_{21}^6 + 8.00 \cdot a_{12}^7a_{11}a_{22}a_{21}^7 - a_{12}^8a_{21}^8 \geq 0$$

$$8.00 \cdot a_{12}a_{11}^7a_{22}^7a_{21} - 28.00 \cdot a_{12}^2a_{11}^6a_{22}^6a_{21}^2 + 56.00 \cdot a_{12}^3a_{11}^5a_{22}^5a_{21}^3 - a_{11}^8a_{22}^8 - 70.00 \cdot a_{12}^4a_{11}^4a_{22}^4a_{21}^4 +$$

$$56.00 \cdot a_{12}^5a_{11}^3a_{22}^3a_{21}^5 - 28.00 \cdot a_{12}^6a_{11}^2a_{22}^2a_{21}^6 + 8.00 \cdot a_{12}^7a_{11}a_{22}a_{21}^7 - a_{12}^8a_{21}^8 > 0$$

pot #62:

symbol a_{12} : $(-inf, 0.0]$

symbol c_1 : $(-inf, 0.0)$

symbol a_{11} : $(-0.0, inf)$

symbol a_{22} : $(-0.0, inf)$

symbol b_1 : -0.0

symbol b_2 : -0.0

symbol a_{21} : $(-inf, 0.0)$

$$-c_2a_{11} + c_1a_{12} > 0$$

$$a_{11}a_{22} - a_{12}a_{21} > 0$$

$$c_1a_{22} - c_2a_{21} > 0$$

$$3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} - 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 + a_{12}^3a_{21}^3 - a_{11}^3a_{22}^3 \geq 0$$

$$-a_{11}^2a_{22}^2 + 2.00 \cdot a_{12}a_{11}a_{22}a_{21} - a_{12}^2a_{21}^2 > 0$$

$$c_1a_{11}a_{22}^2 - c_2a_{11}a_{22}a_{21} - c_1a_{12}a_{22}a_{21} + a_{12}c_2a_{21}^2 \geq 0$$

$$-3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} + 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 - a_{12}^3a_{21}^3 + a_{11}^3a_{22}^3 > 0$$

$$-a_{11}^3a_{22}^3 + 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} - 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 + a_{12}^3a_{21}^3 > 0$$

$$-8.00 \cdot a_{12}a_{11}^7a_{22}^7a_{21} + 28.00 \cdot a_{12}^2a_{11}^6a_{22}^6a_{21}^2 - 56.00 \cdot a_{12}^3a_{11}^5a_{22}^5a_{21}^3 + a_{11}^8a_{22}^8 + 70.00 \cdot a_{12}^4a_{11}^4a_{22}^4a_{21}^4 -$$

$$56.00 \cdot a_{12}^5a_{11}^3a_{22}^3a_{21}^5 + 28.00 \cdot a_{12}^6a_{11}^2a_{22}^2a_{21}^6 - 8.00 \cdot a_{12}^7a_{11}a_{22}a_{21}^7 + a_{12}^8a_{21}^8 \geq 0$$

$$8.00 \cdot a_{12}a_{11}^7a_{22}^7a_{21} - 28.00 \cdot a_{12}^2a_{11}^6a_{22}^6a_{21}^2 + 56.00 \cdot a_{12}^3a_{11}^5a_{22}^5a_{21}^3 - a_{11}^8a_{22}^8 - 70.00 \cdot a_{12}^4a_{11}^4a_{22}^4a_{21}^4 +$$

$$56.00 \cdot a_{12}^5a_{11}^3a_{22}^3a_{21}^5 - 28.00 \cdot a_{12}^6a_{11}^2a_{22}^2a_{21}^6 + 8.00 \cdot a_{12}^7a_{11}a_{22}a_{21}^7 - a_{12}^8a_{21}^8 > 0$$

pot #63:

symbol $a_{12} : (-inf, 0.0]$
 symbol $c_1 : (-inf, 0.0)$
 symbol $a_{11} : (-0.0, inf)$
 symbol $a_{22} : (-0.0, inf)$
 symbol $b_1 : -0.0$
 symbol $b_2 : -0.0$
 symbol $a_{21} : (-inf, 0.0)$
 $-c_2a_{11} + c_1a_{12} > 0$
 $a_{11}a_{22} - a_{12}a_{21} > 0$
 $c_1a_{22} - c_2a_{21} > 0$
 $3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} - 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 + a_{12}^3a_{21}^3 - a_{11}^3a_{22}^3 \geq 0$
 $-a_{11}^2a_{22}^2 + 2.00 \cdot a_{12}a_{11}a_{22}a_{21} - a_{12}^2a_{21}^2 > 0$
 $c_1a_{11}a_{22}^2 - c_2a_{11}a_{22}a_{21} - c_1a_{12}a_{22}a_{21} + a_{12}c_2a_{21}^2 \geq 0$
 $-3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} + 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 - a_{12}^3a_{21}^3 + a_{11}^3a_{22}^3 > 0$
 $-a_{11}^3a_{22}^3 + 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} - 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 + a_{12}^3a_{21}^3 > 0$
 $8.00 \cdot a_{12}a_{11}^7a_{22}^7a_{21} - 28.00 \cdot a_{12}^2a_{11}^6a_{22}^6a_{21}^2 + 56.00 \cdot a_{12}^3a_{11}^5a_{22}^5a_{21}^3 - a_{11}^8a_{22}^8 - 70.00 \cdot a_{12}^4a_{11}^4a_{22}^4a_{21}^4 +$
 $56.00 \cdot a_{12}^5a_{11}^3a_{22}^3a_{21}^5 - 28.00 \cdot a_{12}^6a_{11}^2a_{22}^2a_{21}^6 + 8.00 \cdot a_{12}^7a_{11}a_{22}a_{21}^7 - a_{12}^8a_{21}^8 \geq 0$
 $-8.00 \cdot a_{12}a_{11}^7a_{22}^7a_{21} + 28.00 \cdot a_{12}^2a_{11}^6a_{22}^6a_{21}^2 - 56.00 \cdot a_{12}^3a_{11}^5a_{22}^5a_{21}^3 + a_{11}^8a_{22}^8 + 70.00 \cdot a_{12}^4a_{11}^4a_{22}^4a_{21}^4 -$
 $56.00 \cdot a_{12}^5a_{11}^3a_{22}^3a_{21}^5 + 28.00 \cdot a_{12}^6a_{11}^2a_{22}^2a_{21}^6 - 8.00 \cdot a_{12}^7a_{11}a_{22}a_{21}^7 + a_{12}^8a_{21}^8 > 0$
 pot #64:

symbol $a_{12} : (-inf, 0.0]$
 symbol $c_1 : (-inf, 0.0)$
 symbol $a_{11} : (-0.0, inf)$
 symbol $a_{22} : (-0.0, inf)$
 symbol $b_1 : [-0.0, inf)$
 symbol $b_2 : -0.0$
 symbol $a_{21} : (-inf, 0.0)$
 $-c_2a_{11} + c_1a_{12} > 0$
 $a_{11}a_{22} - a_{12}a_{21} > 0$
 $c_1a_{22} - c_2a_{21} > 0$
 $-3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} + 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 - a_{12}^3a_{21}^3 + a_{11}^3a_{22}^3 \geq 0$
 $a_{11}^2a_{22}^2 - 2.00 \cdot a_{12}a_{11}a_{22}a_{21} + a_{12}^2a_{21}^2 > 0$
 $c_1a_{11}a_{22}^2 - c_2a_{11}a_{22}a_{21} - c_1a_{12}a_{22}a_{21} + a_{12}c_2a_{21}^2 \geq 0$
 $3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} - 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 + a_{12}^3a_{21}^3 - a_{11}^3a_{22}^3 > 0$
 $a_{11}^3a_{22}^3 - 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} + 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 - a_{12}^3a_{21}^3 > 0$
 $-8.00 \cdot a_{12}a_{11}^7a_{22}^7a_{21} + 28.00 \cdot a_{12}^2a_{11}^6a_{22}^6a_{21}^2 - 56.00 \cdot a_{12}^3a_{11}^5a_{22}^5a_{21}^3 + a_{11}^8a_{22}^8 + 70.00 \cdot a_{12}^4a_{11}^4a_{22}^4a_{21}^4 -$
 $56.00 \cdot a_{12}^5a_{11}^3a_{22}^3a_{21}^5 + 28.00 \cdot a_{12}^6a_{11}^2a_{22}^2a_{21}^6 - 8.00 \cdot a_{12}^7a_{11}a_{22}a_{21}^7 + a_{12}^8a_{21}^8 \geq 0$
 $-8.00 \cdot a_{12}a_{11}^7a_{22}^7a_{21} + 28.00 \cdot a_{12}^2a_{11}^6a_{22}^6a_{21}^2 - 56.00 \cdot a_{12}^3a_{11}^5a_{22}^5a_{21}^3 + a_{11}^8a_{22}^8 + 70.00 \cdot a_{12}^4a_{11}^4a_{22}^4a_{21}^4 -$
 $56.00 \cdot a_{12}^5a_{11}^3a_{22}^3a_{21}^5 + 28.00 \cdot a_{12}^6a_{11}^2a_{22}^2a_{21}^6 - 8.00 \cdot a_{12}^7a_{11}a_{22}a_{21}^7 + a_{12}^8a_{21}^8 > 0$
 pot #65:

symbol $a_{12} : (-inf, 0.0]$
 symbol $c_1 : (-inf, 0.0)$
 symbol $a_{11} : (-0.0, inf)$
 symbol $a_{22} : (-0.0, inf)$
 symbol $b_1 : [-0.0, inf)$
 symbol $b_2 : -0.0$
 symbol $a_{21} : (-inf, 0.0)$
 $-c_2a_{11} + c_1a_{12} > 0$
 $a_{11}a_{22} - a_{12}a_{21} > 0$
 $c_1a_{22} - c_2a_{21} > 0$

symbol $a_{12} : (-inf, 0.0]$
 symbol $c_1 : (-inf, 0.0)$
 symbol $a_{11} : (-0.0, inf)$
 symbol $a_{22} : (-0.0, inf)$
 symbol $b_1 : [-0.0, inf)$
 symbol $b_2 : -0.0$
 symbol $a_{21} : (-inf, 0.0)$
 $-c_2a_{11} + c_1a_{12} > 0$
 $a_{11}a_{22} - a_{12}a_{21} > 0$
 $c_1a_{22} - c_2a_{21} > 0$
 $-3.00 \cdot a_{12}a_{11}^2a_{22}a_{21} + 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 - a_{12}^3a_{21}^3 + a_{11}^3a_{22}^3 \geq 0$
 $a_{11}^2a_{22}^2 - 2.00 \cdot a_{12}a_{11}a_{22}a_{21} + a_{12}^2a_{21}^2 > 0$
 $c_1a_{11}a_{22}^2 - c_2a_{11}a_{22}a_{21} - c_1a_{12}a_{22}a_{21} + a_{12}c_2a_{21}^2 \geq 0$
 $3.00 \cdot a_{12}a_{11}^2a_{22}a_{21} - 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 + a_{12}^3a_{21}^3 - a_{11}^3a_{22}^3 > 0$
 $-3.00 \cdot a_{12}a_{11}^2a_{22}a_{21} + 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 - a_{12}^3a_{21}^3 + a_{11}^3a_{22}^3 > 0$
 $-8.00 \cdot a_{12}a_{11}^7a_{22}a_{21} + 28.00 \cdot a_{12}^2a_{11}^6a_{22}a_{21}^2 - 56.00 \cdot a_{12}^3a_{11}^5a_{22}a_{21}^3 + a_{11}^8a_{22}^8 + 70.00 \cdot a_{12}^4a_{11}^4a_{22}^4a_{21}^4 -$
 $56.00 \cdot a_{12}^5a_{11}^3a_{22}^3a_{21}^5 + 28.00 \cdot a_{12}^6a_{11}^2a_{22}^2a_{21}^6 - 8.00 \cdot a_{12}^7a_{11}a_{22}a_{21}^7 + a_{12}^8a_{21}^8 \geq 0$
 $-8.00 \cdot a_{12}a_{11}^7a_{22}a_{21} + 28.00 \cdot a_{12}^2a_{11}^6a_{22}a_{21}^2 - 56.00 \cdot a_{12}^3a_{11}^5a_{22}a_{21}^3 + a_{11}^8a_{22}^8 + 70.00 \cdot a_{12}^4a_{11}^4a_{22}^4a_{21}^4 -$
 $56.00 \cdot a_{12}^5a_{11}^3a_{22}^3a_{21}^5 + 28.00 \cdot a_{12}^6a_{11}^2a_{22}^2a_{21}^6 - 8.00 \cdot a_{12}^7a_{11}a_{22}a_{21}^7 + a_{12}^8a_{21}^8 > 0$
 pot #69:

symbol $a_{12} : (-inf, 0.0]$
 symbol $c_1 : (-inf, 0.0)$
 symbol $a_{11} : (-0.0, inf)$
 symbol $a_{22} : (-0.0, inf)$
 symbol $b_1 : [-0.0, inf)$
 symbol $b_2 : -0.0$
 symbol $a_{21} : (-inf, 0.0)$
 $-c_2a_{11} + c_1a_{12} > 0$
 $a_{11}a_{22} - a_{12}a_{21} > 0$
 $c_1a_{22} - c_2a_{21} > 0$
 $-3.00 \cdot a_{12}a_{11}^2a_{22}a_{21} + 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 - a_{12}^3a_{21}^3 + a_{11}^3a_{22}^3 \geq 0$
 $a_{11}^2a_{22}^2 - 2.00 \cdot a_{12}a_{11}a_{22}a_{21} + a_{12}^2a_{21}^2 > 0$
 $c_1a_{11}a_{22}^2 - c_2a_{11}a_{22}a_{21} - c_1a_{12}a_{22}a_{21} + a_{12}c_2a_{21}^2 \geq 0$
 $3.00 \cdot a_{12}a_{11}^2a_{22}a_{21} - 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 + a_{12}^3a_{21}^3 - a_{11}^3a_{22}^3 > 0$
 $-3.00 \cdot a_{12}a_{11}^2a_{22}a_{21} + 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 - a_{12}^3a_{21}^3 + a_{11}^3a_{22}^3 > 0$
 $8.00 \cdot a_{12}a_{11}^7a_{22}a_{21} - 28.00 \cdot a_{12}^2a_{11}^6a_{22}a_{21}^2 + 56.00 \cdot a_{12}^3a_{11}^5a_{22}a_{21}^3 - a_{11}^8a_{22}^8 - 70.00 \cdot a_{12}^4a_{11}^4a_{22}^4a_{21}^4 +$
 $56.00 \cdot a_{12}^5a_{11}^3a_{22}^3a_{21}^5 - 28.00 \cdot a_{12}^6a_{11}^2a_{22}^2a_{21}^6 + 8.00 \cdot a_{12}^7a_{11}a_{22}a_{21}^7 - a_{12}^8a_{21}^8 \geq 0$
 $8.00 \cdot a_{12}a_{11}^7a_{22}a_{21} - 28.00 \cdot a_{12}^2a_{11}^6a_{22}a_{21}^2 + 56.00 \cdot a_{12}^3a_{11}^5a_{22}a_{21}^3 - a_{11}^8a_{22}^8 - 70.00 \cdot a_{12}^4a_{11}^4a_{22}^4a_{21}^4 +$
 $56.00 \cdot a_{12}^5a_{11}^3a_{22}^3a_{21}^5 - 28.00 \cdot a_{12}^6a_{11}^2a_{22}^2a_{21}^6 + 8.00 \cdot a_{12}^7a_{11}a_{22}a_{21}^7 - a_{12}^8a_{21}^8 > 0$
 pot #70:

symbol $a_{12} : (-inf, 0.0]$
 symbol $c_1 : (-inf, 0.0)$
 symbol $a_{11} : (-0.0, inf)$
 symbol $a_{22} : (-0.0, inf)$
 symbol $b_1 : -0.0$
 symbol $b_2 : -0.0$
 symbol $a_{21} : (-inf, 0.0)$
 $-c_2a_{11} + c_1a_{12} > 0$
 $a_{11}a_{22} - a_{12}a_{21} > 0$
 $c_1a_{22} - c_2a_{21} > 0$

$$\begin{aligned}
& -3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} + 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 - a_{12}^3a_{21}^3 + a_{11}^3a_{22}^3 \geq 0 \\
& a_{11}^2a_{22}^2 - 2.00 \cdot a_{12}a_{11}a_{22}a_{21} + a_{12}^2a_{21}^2 > 0 \\
& c_1a_{11}a_{22}^2 - c_2a_{11}a_{22}a_{21} - c_1a_{12}a_{22}a_{21} + a_{12}c_2a_{21}^2 \geq 0 \\
& 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} - 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 + a_{12}^3a_{21}^3 - a_{11}^3a_{22}^3 > 0 \\
& -3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} + 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 - a_{12}^3a_{21}^3 + a_{11}^3a_{22}^3 > 0 \\
& -8.00 \cdot a_{12}a_{11}^7a_{22}^7a_{21} + 28.00 \cdot a_{12}^2a_{11}^6a_{22}^6a_{21}^2 - 56.00 \cdot a_{12}^3a_{11}^5a_{22}^5a_{21}^3 + a_{11}^8a_{22}^8 + 70.00 \cdot a_{12}^4a_{11}^4a_{22}^4a_{21}^4 - \\
& 56.00 \cdot a_{12}^5a_{11}^3a_{22}^3a_{21}^5 + 28.00 \cdot a_{12}^6a_{11}^2a_{22}^2a_{21}^6 - 8.00 \cdot a_{12}^7a_{11}a_{22}a_{21}^7 + a_{12}^8a_{21}^8 \geq 0 \\
& 8.00 \cdot a_{12}a_{11}^7a_{22}^7a_{21} - 28.00 \cdot a_{12}^2a_{11}^6a_{22}^6a_{21}^2 + 56.00 \cdot a_{12}^3a_{11}^5a_{22}^5a_{21}^3 - a_{11}^8a_{22}^8 - 70.00 \cdot a_{12}^4a_{11}^4a_{22}^4a_{21}^4 + \\
& 56.00 \cdot a_{12}^5a_{11}^3a_{22}^3a_{21}^5 - 28.00 \cdot a_{12}^6a_{11}^2a_{22}^2a_{21}^6 + 8.00 \cdot a_{12}^7a_{11}a_{22}a_{21}^7 - a_{12}^8a_{21}^8 > 0
\end{aligned}$$

pot #71:

symbol a_{12} : $(-\inf, 0.0]$

symbol c_1 : $(-\inf, 0.0)$

symbol a_{11} : $(-0.0, \inf)$

symbol a_{22} : $(-0.0, \inf)$

symbol b_1 : -0.0

symbol b_2 : -0.0

symbol a_{21} : $(-\inf, 0.0)$

$$-c_2a_{11} + c_1a_{12} > 0$$

$$a_{11}a_{22} - a_{12}a_{21} > 0$$

$$c_1a_{22} - c_2a_{21} > 0$$

$$-3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} + 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 - a_{12}^3a_{21}^3 + a_{11}^3a_{22}^3 \geq 0$$

$$a_{11}^2a_{22}^2 - 2.00 \cdot a_{12}a_{11}a_{22}a_{21} + a_{12}^2a_{21}^2 > 0$$

$$c_1a_{11}a_{22}^2 - c_2a_{11}a_{22}a_{21} - c_1a_{12}a_{22}a_{21} + a_{12}c_2a_{21}^2 \geq 0$$

$$3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} - 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 + a_{12}^3a_{21}^3 - a_{11}^3a_{22}^3 > 0$$

$$-3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} + 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 - a_{12}^3a_{21}^3 + a_{11}^3a_{22}^3 > 0$$

$$8.00 \cdot a_{12}a_{11}^7a_{22}^7a_{21} - 28.00 \cdot a_{12}^2a_{11}^6a_{22}^6a_{21}^2 + 56.00 \cdot a_{12}^3a_{11}^5a_{22}^5a_{21}^3 - a_{11}^8a_{22}^8 - 70.00 \cdot a_{12}^4a_{11}^4a_{22}^4a_{21}^4 +$$

$$56.00 \cdot a_{12}^5a_{11}^3a_{22}^3a_{21}^5 - 28.00 \cdot a_{12}^6a_{11}^2a_{22}^2a_{21}^6 + 8.00 \cdot a_{12}^7a_{11}a_{22}a_{21}^7 - a_{12}^8a_{21}^8 \geq 0$$

$$-8.00 \cdot a_{12}a_{11}^7a_{22}^7a_{21} + 28.00 \cdot a_{12}^2a_{11}^6a_{22}^6a_{21}^2 - 56.00 \cdot a_{12}^3a_{11}^5a_{22}^5a_{21}^3 + a_{11}^8a_{22}^8 + 70.00 \cdot a_{12}^4a_{11}^4a_{22}^4a_{21}^4 -$$

$$56.00 \cdot a_{12}^5a_{11}^3a_{22}^3a_{21}^5 + 28.00 \cdot a_{12}^6a_{11}^2a_{22}^2a_{21}^6 - 8.00 \cdot a_{12}^7a_{11}a_{22}a_{21}^7 + a_{12}^8a_{21}^8 > 0$$

pot #72:

symbol a_{12} : $(-\inf, 0.0]$

symbol c_1 : $(-\inf, 0.0)$

symbol a_{11} : $(-0.0, \inf)$

symbol a_{22} : $(-0.0, \inf)$

symbol b_1 : $[-0.0, \inf)$

symbol b_2 : -0.0

symbol a_{21} : $(-\inf, 0.0)$

$$-c_2a_{11} + c_1a_{12} > 0$$

$$a_{11}a_{22} - a_{12}a_{21} > 0$$

$$c_1a_{22} - c_2a_{21} > 0$$

$$-3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} + 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 - a_{12}^3a_{21}^3 + a_{11}^3a_{22}^3 \geq 0$$

$$a_{11}^2a_{22}^2 - 2.00 \cdot a_{12}a_{11}a_{22}a_{21} + a_{12}^2a_{21}^2 > 0$$

$$c_1a_{11}a_{22}^2 - c_2a_{11}a_{22}a_{21} - c_1a_{12}a_{22}a_{21} + a_{12}c_2a_{21}^2 \geq 0$$

$$-3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} + 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 - a_{12}^3a_{21}^3 + a_{11}^3a_{22}^3 > 0$$

$$3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} - 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 + a_{12}^3a_{21}^3 - a_{11}^3a_{22}^3 > 0$$

$$-8.00 \cdot a_{12}a_{11}^7a_{22}^7a_{21} + 28.00 \cdot a_{12}^2a_{11}^6a_{22}^6a_{21}^2 - 56.00 \cdot a_{12}^3a_{11}^5a_{22}^5a_{21}^3 + a_{11}^8a_{22}^8 + 70.00 \cdot a_{12}^4a_{11}^4a_{22}^4a_{21}^4 -$$

$$56.00 \cdot a_{12}^5a_{11}^3a_{22}^3a_{21}^5 + 28.00 \cdot a_{12}^6a_{11}^2a_{22}^2a_{21}^6 - 8.00 \cdot a_{12}^7a_{11}a_{22}a_{21}^7 + a_{12}^8a_{21}^8 \geq 0$$

$$-8.00 \cdot a_{12}a_{11}^7a_{22}^7a_{21} + 28.00 \cdot a_{12}^2a_{11}^6a_{22}^6a_{21}^2 - 56.00 \cdot a_{12}^3a_{11}^5a_{22}^5a_{21}^3 + a_{11}^8a_{22}^8 + 70.00 \cdot a_{12}^4a_{11}^4a_{22}^4a_{21}^4 -$$

$$56.00 \cdot a_{12}^5a_{11}^3a_{22}^3a_{21}^5 + 28.00 \cdot a_{12}^6a_{11}^2a_{22}^2a_{21}^6 - 8.00 \cdot a_{12}^7a_{11}a_{22}a_{21}^7 + a_{12}^8a_{21}^8 > 0$$

pot #73:

symbol $a_{12} : (-inf, 0.0]$

symbol $c_1 : (-inf, 0.0)$

symbol $a_{11} : (-0.0, inf)$

symbol $a_{22} : (-0.0, inf)$

symbol $b_1 : [-0.0, inf)$

symbol $b_2 : -0.0$

symbol $a_{21} : (-inf, 0.0)$

$-c_2a_{11} + c_1a_{12} > 0$

$a_{11}a_{22} - a_{12}a_{21} > 0$

$c_1a_{22} - c_2a_{21} > 0$

$-3.00 \cdot a_{12}a_{11}^2a_{22}a_{21} + 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 - a_{12}^3a_{21}^3 + a_{11}^3a_{22}^3 \geq 0$

$a_{11}^2a_{22}^2 - 2.00 \cdot a_{12}a_{11}a_{22}a_{21} + a_{12}^2a_{21}^2 > 0$

$c_1a_{11}a_{22}^2 - c_2a_{11}a_{22}a_{21} - c_1a_{12}a_{22}a_{21} + a_{12}c_2a_{21}^2 \geq 0$

$-3.00 \cdot a_{12}a_{11}^2a_{22}a_{21} + 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 - a_{12}^3a_{21}^3 + a_{11}^3a_{22}^3 > 0$

$3.00 \cdot a_{12}a_{11}^2a_{22}a_{21} - 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 + a_{12}^3a_{21}^3 - a_{11}^3a_{22}^3 > 0$

$8.00 \cdot a_{12}a_{11}^7a_{22}a_{21} - 28.00 \cdot a_{12}^2a_{11}^6a_{22}a_{21}^2 + 56.00 \cdot a_{12}^3a_{11}^5a_{22}a_{21}^3 - a_{11}^8a_{22}^8 - 70.00 \cdot a_{12}^4a_{11}^4a_{22}^4a_{21}^4 +$

$56.00 \cdot a_{12}^5a_{11}^3a_{22}^3a_{21}^5 - 28.00 \cdot a_{12}^6a_{11}^2a_{22}^2a_{21}^6 + 8.00 \cdot a_{12}^7a_{11}a_{22}a_{21}^7 - a_{12}^8a_{21}^8 \geq 0$

$8.00 \cdot a_{12}a_{11}^7a_{22}a_{21} - 28.00 \cdot a_{12}^2a_{11}^6a_{22}a_{21}^2 + 56.00 \cdot a_{12}^3a_{11}^5a_{22}a_{21}^3 - a_{11}^8a_{22}^8 - 70.00 \cdot a_{12}^4a_{11}^4a_{22}^4a_{21}^4 +$

$56.00 \cdot a_{12}^5a_{11}^3a_{22}^3a_{21}^5 - 28.00 \cdot a_{12}^6a_{11}^2a_{22}^2a_{21}^6 + 8.00 \cdot a_{12}^7a_{11}a_{22}a_{21}^7 - a_{12}^8a_{21}^8 > 0$

pot #74:

symbol $a_{12} : (-inf, 0.0]$

symbol $c_1 : (-inf, 0.0)$

symbol $a_{11} : (-0.0, inf)$

symbol $a_{22} : (-0.0, inf)$

symbol $b_1 : -0.0$

symbol $b_2 : -0.0$

symbol $a_{21} : (-inf, 0.0)$

$-c_2a_{11} + c_1a_{12} > 0$

$a_{11}a_{22} - a_{12}a_{21} > 0$

$c_1a_{22} - c_2a_{21} > 0$

$-3.00 \cdot a_{12}a_{11}^2a_{22}a_{21} + 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 - a_{12}^3a_{21}^3 + a_{11}^3a_{22}^3 \geq 0$

$a_{11}^2a_{22}^2 - 2.00 \cdot a_{12}a_{11}a_{22}a_{21} + a_{12}^2a_{21}^2 > 0$

$c_1a_{11}a_{22}^2 - c_2a_{11}a_{22}a_{21} - c_1a_{12}a_{22}a_{21} + a_{12}c_2a_{21}^2 \geq 0$

$-3.00 \cdot a_{12}a_{11}^2a_{22}a_{21} + 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 - a_{12}^3a_{21}^3 + a_{11}^3a_{22}^3 > 0$

$3.00 \cdot a_{12}a_{11}^2a_{22}a_{21} - 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 + a_{12}^3a_{21}^3 - a_{11}^3a_{22}^3 > 0$

$-8.00 \cdot a_{12}a_{11}^7a_{22}a_{21} + 28.00 \cdot a_{12}^2a_{11}^6a_{22}a_{21}^2 - 56.00 \cdot a_{12}^3a_{11}^5a_{22}a_{21}^3 + a_{11}^8a_{22}^8 + 70.00 \cdot a_{12}^4a_{11}^4a_{22}^4a_{21}^4 -$

$56.00 \cdot a_{12}^5a_{11}^3a_{22}^3a_{21}^5 + 28.00 \cdot a_{12}^6a_{11}^2a_{22}^2a_{21}^6 - 8.00 \cdot a_{12}^7a_{11}a_{22}a_{21}^7 + a_{12}^8a_{21}^8 \geq 0$

$8.00 \cdot a_{12}a_{11}^7a_{22}a_{21} - 28.00 \cdot a_{12}^2a_{11}^6a_{22}a_{21}^2 + 56.00 \cdot a_{12}^3a_{11}^5a_{22}a_{21}^3 - a_{11}^8a_{22}^8 - 70.00 \cdot a_{12}^4a_{11}^4a_{22}^4a_{21}^4 +$

$56.00 \cdot a_{12}^5a_{11}^3a_{22}^3a_{21}^5 - 28.00 \cdot a_{12}^6a_{11}^2a_{22}^2a_{21}^6 + 8.00 \cdot a_{12}^7a_{11}a_{22}a_{21}^7 - a_{12}^8a_{21}^8 > 0$

pot #75:

symbol $a_{12} : (-inf, 0.0]$

symbol $c_1 : (-inf, 0.0)$

symbol $a_{11} : (-0.0, inf)$

symbol $a_{22} : (-0.0, inf)$

symbol $b_1 : -0.0$

symbol $b_2 : -0.0$

symbol $a_{21} : (-inf, 0.0)$

$-c_2a_{11} + c_1a_{12} > 0$

$a_{11}a_{22} - a_{12}a_{21} > 0$

$c_1a_{22} - c_2a_{21} > 0$

$$\begin{aligned}
& -3.00 \cdot a_{12}a_{11}^2a_{22}a_{21} + 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 - a_{12}^3a_{21}^3 + a_{11}^3a_{22}^3 \geq 0 \\
& a_{11}^2a_{22}^2 - 2.00 \cdot a_{12}a_{11}a_{22}a_{21} + a_{12}^2a_{21}^2 > 0 \\
& c_1a_{11}a_{22}^2 - c_2a_{11}a_{22}a_{21} - c_1a_{12}a_{22}a_{21} + a_{12}c_2a_{21}^2 \geq 0 \\
& -3.00 \cdot a_{12}a_{11}^2a_{22}a_{21} + 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 - a_{12}^3a_{21}^3 + a_{11}^3a_{22}^3 > 0 \\
& 3.00 \cdot a_{12}a_{11}^2a_{22}a_{21} - 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 + a_{12}^3a_{21}^3 - a_{11}^3a_{22}^3 > 0 \\
& 8.00 \cdot a_{12}a_{11}^7a_{22}a_{21} - 28.00 \cdot a_{12}^2a_{11}^6a_{22}^2a_{21}^2 + 56.00 \cdot a_{12}^3a_{11}^5a_{22}^3a_{21}^3 - a_{11}^8a_{22}^8 - 70.00 \cdot a_{12}^4a_{11}^4a_{22}^4a_{21}^4 + \\
& 56.00 \cdot a_{12}^5a_{11}^3a_{22}^5a_{21}^5 - 28.00 \cdot a_{12}^6a_{11}^2a_{22}^6a_{21}^6 + 8.00 \cdot a_{12}^7a_{11}a_{22}^7a_{21}^7 - a_{12}^8a_{21}^8 \geq 0 \\
& -8.00 \cdot a_{12}a_{11}^7a_{22}a_{21} + 28.00 \cdot a_{12}^2a_{11}^6a_{22}^2a_{21}^2 - 56.00 \cdot a_{12}^3a_{11}^5a_{22}^3a_{21}^3 + a_{11}^8a_{22}^8 + 70.00 \cdot a_{12}^4a_{11}^4a_{22}^4a_{21}^4 - \\
& 56.00 \cdot a_{12}^5a_{11}^3a_{22}^5a_{21}^5 + 28.00 \cdot a_{12}^6a_{11}^2a_{22}^6a_{21}^6 - 8.00 \cdot a_{12}^7a_{11}a_{22}^7a_{21}^7 + a_{12}^8a_{21}^8 > 0
\end{aligned}$$

pot #76:

symbol a_{12} : $(-inf, 0.0]$

symbol c_1 : $(-inf, 0.0)$

symbol a_{11} : $(-0.0, inf)$

symbol a_{22} : $(-0.0, inf)$

symbol b_1 : $[-0.0, inf)$

symbol b_2 : -0.0

symbol a_{21} : $(-inf, 0.0)$

$$-c_2a_{11} + c_1a_{12} > 0$$

$$a_{11}a_{22} - a_{12}a_{21} > 0$$

$$c_1a_{22} - c_2a_{21} > 0$$

$$-3.00 \cdot a_{12}a_{11}^2a_{22}a_{21} + 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 - a_{12}^3a_{21}^3 + a_{11}^3a_{22}^3 \geq 0$$

$$a_{11}^2a_{22}^2 - 2.00 \cdot a_{12}a_{11}a_{22}a_{21} + a_{12}^2a_{21}^2 > 0$$

$$c_1a_{11}a_{22}^2 - c_2a_{11}a_{22}a_{21} - c_1a_{12}a_{22}a_{21} + a_{12}c_2a_{21}^2 \geq 0$$

$$-3.00 \cdot a_{12}a_{11}^2a_{22}a_{21} + 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 - a_{12}^3a_{21}^3 + a_{11}^3a_{22}^3 > 0$$

$$-a_{11}^3a_{22}^3 + 3.00 \cdot a_{12}a_{11}^2a_{22}a_{21} - 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 + a_{12}^3a_{21}^3 > 0$$

$$-8.00 \cdot a_{12}a_{11}^7a_{22}a_{21} + 28.00 \cdot a_{12}^2a_{11}^6a_{22}^2a_{21}^2 - 56.00 \cdot a_{12}^3a_{11}^5a_{22}^3a_{21}^3 + a_{11}^8a_{22}^8 + 70.00 \cdot a_{12}^4a_{11}^4a_{22}^4a_{21}^4 -$$

$$56.00 \cdot a_{12}^5a_{11}^3a_{22}^5a_{21}^5 + 28.00 \cdot a_{12}^6a_{11}^2a_{22}^6a_{21}^6 - 8.00 \cdot a_{12}^7a_{11}a_{22}^7a_{21}^7 + a_{12}^8a_{21}^8 \geq 0$$

$$-8.00 \cdot a_{12}a_{11}^7a_{22}a_{21} + 28.00 \cdot a_{12}^2a_{11}^6a_{22}^2a_{21}^2 - 56.00 \cdot a_{12}^3a_{11}^5a_{22}^3a_{21}^3 + a_{11}^8a_{22}^8 + 70.00 \cdot a_{12}^4a_{11}^4a_{22}^4a_{21}^4 -$$

$$56.00 \cdot a_{12}^5a_{11}^3a_{22}^5a_{21}^5 + 28.00 \cdot a_{12}^6a_{11}^2a_{22}^6a_{21}^6 - 8.00 \cdot a_{12}^7a_{11}a_{22}^7a_{21}^7 + a_{12}^8a_{21}^8 > 0$$

pot #77:

symbol a_{12} : $(-inf, 0.0]$

symbol c_1 : $(-inf, 0.0)$

symbol a_{11} : $(-0.0, inf)$

symbol a_{22} : $(-0.0, inf)$

symbol b_1 : $[-0.0, inf)$

symbol b_2 : -0.0

symbol a_{21} : $(-inf, 0.0)$

$$-c_2a_{11} + c_1a_{12} > 0$$

$$a_{11}a_{22} - a_{12}a_{21} > 0$$

$$c_1a_{22} - c_2a_{21} > 0$$

$$-3.00 \cdot a_{12}a_{11}^2a_{22}a_{21} + 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 - a_{12}^3a_{21}^3 + a_{11}^3a_{22}^3 \geq 0$$

$$a_{11}^2a_{22}^2 - 2.00 \cdot a_{12}a_{11}a_{22}a_{21} + a_{12}^2a_{21}^2 > 0$$

$$c_1a_{11}a_{22}^2 - c_2a_{11}a_{22}a_{21} - c_1a_{12}a_{22}a_{21} + a_{12}c_2a_{21}^2 \geq 0$$

$$-3.00 \cdot a_{12}a_{11}^2a_{22}a_{21} + 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 - a_{12}^3a_{21}^3 + a_{11}^3a_{22}^3 > 0$$

$$-a_{11}^3a_{22}^3 + 3.00 \cdot a_{12}a_{11}^2a_{22}a_{21} - 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 + a_{12}^3a_{21}^3 > 0$$

$$8.00 \cdot a_{12}a_{11}^7a_{22}a_{21} - 28.00 \cdot a_{12}^2a_{11}^6a_{22}^2a_{21}^2 + 56.00 \cdot a_{12}^3a_{11}^5a_{22}^3a_{21}^3 - a_{11}^8a_{22}^8 - 70.00 \cdot a_{12}^4a_{11}^4a_{22}^4a_{21}^4 +$$

$$56.00 \cdot a_{12}^5a_{11}^3a_{22}^5a_{21}^5 - 28.00 \cdot a_{12}^6a_{11}^2a_{22}^6a_{21}^6 + 8.00 \cdot a_{12}^7a_{11}a_{22}^7a_{21}^7 - a_{12}^8a_{21}^8 \geq 0$$

$$8.00 \cdot a_{12}a_{11}^7a_{22}a_{21} - 28.00 \cdot a_{12}^2a_{11}^6a_{22}^2a_{21}^2 + 56.00 \cdot a_{12}^3a_{11}^5a_{22}^3a_{21}^3 - a_{11}^8a_{22}^8 - 70.00 \cdot a_{12}^4a_{11}^4a_{22}^4a_{21}^4 +$$

$$56.00 \cdot a_{12}^5a_{11}^3a_{22}^5a_{21}^5 - 28.00 \cdot a_{12}^6a_{11}^2a_{22}^6a_{21}^6 + 8.00 \cdot a_{12}^7a_{11}a_{22}^7a_{21}^7 - a_{12}^8a_{21}^8 > 0$$

pot #78:

symbol $a_{12} : (-inf, 0.0]$
 symbol $c_1 : (-inf, 0.0)$
 symbol $a_{11} : (-0.0, inf)$
 symbol $a_{22} : (-0.0, inf)$
 symbol $b_1 : -0.0$
 symbol $b_2 : -0.0$
 symbol $a_{21} : (-inf, 0.0)$
 $-c_2a_{11} + c_1a_{12} > 0$
 $a_{11}a_{22} - a_{12}a_{21} > 0$
 $c_1a_{22} - c_2a_{21} > 0$
 $-3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} + 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 - a_{12}^3a_{21}^3 + a_{11}^3a_{22}^3 \geq 0$
 $a_{11}^2a_{22}^2 - 2.00 \cdot a_{12}a_{11}a_{22}a_{21} + a_{12}^2a_{21}^2 > 0$
 $c_1a_{11}a_{22}^2 - c_2a_{11}a_{22}a_{21} - c_1a_{12}a_{22}a_{21} + a_{12}c_2a_{21}^2 \geq 0$
 $-3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} + 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 - a_{12}^3a_{21}^3 + a_{11}^3a_{22}^3 > 0$
 $-a_{11}^3a_{22}^3 + 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} - 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 + a_{12}^3a_{21}^3 > 0$
 $-8.00 \cdot a_{12}a_{11}^7a_{22}^7a_{21} + 28.00 \cdot a_{12}^2a_{11}^6a_{22}^6a_{21}^2 - 56.00 \cdot a_{12}^3a_{11}^5a_{22}^5a_{21}^3 + a_{11}^8a_{22}^8 + 70.00 \cdot a_{12}^4a_{11}^4a_{22}^4a_{21}^4 -$
 $56.00 \cdot a_{12}^5a_{11}^3a_{22}^3a_{21}^5 + 28.00 \cdot a_{12}^6a_{11}^2a_{22}^2a_{21}^6 - 8.00 \cdot a_{12}^7a_{11}a_{22}a_{21}^7 + a_{12}^8a_{21}^8 \geq 0$
 $8.00 \cdot a_{12}a_{11}^7a_{22}^7a_{21} - 28.00 \cdot a_{12}^2a_{11}^6a_{22}^6a_{21}^2 + 56.00 \cdot a_{12}^3a_{11}^5a_{22}^5a_{21}^3 - a_{11}^8a_{22}^8 - 70.00 \cdot a_{12}^4a_{11}^4a_{22}^4a_{21}^4 +$
 $56.00 \cdot a_{12}^5a_{11}^3a_{22}^3a_{21}^5 - 28.00 \cdot a_{12}^6a_{11}^2a_{22}^2a_{21}^6 + 8.00 \cdot a_{12}^7a_{11}a_{22}a_{21}^7 - a_{12}^8a_{21}^8 > 0$
 pot #79:
 symbol $a_{12} : (-inf, 0.0]$
 symbol $c_1 : (-inf, 0.0)$
 symbol $a_{11} : (-0.0, inf)$
 symbol $a_{22} : (-0.0, inf)$
 symbol $b_1 : -0.0$
 symbol $b_2 : -0.0$
 symbol $a_{21} : (-inf, 0.0)$
 $-c_2a_{11} + c_1a_{12} > 0$
 $a_{11}a_{22} - a_{12}a_{21} > 0$
 $c_1a_{22} - c_2a_{21} > 0$
 $-3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} + 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 - a_{12}^3a_{21}^3 + a_{11}^3a_{22}^3 \geq 0$
 $a_{11}^2a_{22}^2 - 2.00 \cdot a_{12}a_{11}a_{22}a_{21} + a_{12}^2a_{21}^2 > 0$
 $c_1a_{11}a_{22}^2 - c_2a_{11}a_{22}a_{21} - c_1a_{12}a_{22}a_{21} + a_{12}c_2a_{21}^2 \geq 0$
 $-3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} + 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 - a_{12}^3a_{21}^3 + a_{11}^3a_{22}^3 > 0$
 $-a_{11}^3a_{22}^3 + 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} - 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 + a_{12}^3a_{21}^3 > 0$
 $8.00 \cdot a_{12}a_{11}^7a_{22}^7a_{21} - 28.00 \cdot a_{12}^2a_{11}^6a_{22}^6a_{21}^2 + 56.00 \cdot a_{12}^3a_{11}^5a_{22}^5a_{21}^3 - a_{11}^8a_{22}^8 - 70.00 \cdot a_{12}^4a_{11}^4a_{22}^4a_{21}^4 +$
 $56.00 \cdot a_{12}^5a_{11}^3a_{22}^3a_{21}^5 - 28.00 \cdot a_{12}^6a_{11}^2a_{22}^2a_{21}^6 + 8.00 \cdot a_{12}^7a_{11}a_{22}a_{21}^7 - a_{12}^8a_{21}^8 \geq 0$
 $-8.00 \cdot a_{12}a_{11}^7a_{22}^7a_{21} + 28.00 \cdot a_{12}^2a_{11}^6a_{22}^6a_{21}^2 - 56.00 \cdot a_{12}^3a_{11}^5a_{22}^5a_{21}^3 + a_{11}^8a_{22}^8 + 70.00 \cdot a_{12}^4a_{11}^4a_{22}^4a_{21}^4 -$
 $56.00 \cdot a_{12}^5a_{11}^3a_{22}^3a_{21}^5 + 28.00 \cdot a_{12}^6a_{11}^2a_{22}^2a_{21}^6 - 8.00 \cdot a_{12}^7a_{11}a_{22}a_{21}^7 + a_{12}^8a_{21}^8 > 0$

x_3	$\frac{-6.00 \cdot a_{12}b_2a_{11}^5a_{22}^5a_{21} + 15.00 \cdot a_{12}^2b_2a_{11}^4a_{22}^4a_{21}^2 - 20.00 \cdot a_{12}^3b_2a_{11}^3a_{22}^3a_{21}^3 + 15.00 \cdot a_{12}^4b_2a_{11}^2a_{22}^2a_{21}^4 - 6.00 \cdot a_{12}^5b_2a_{11}a_{22}a_{21}^5 + 6.00 \cdot a_{12}a_{11}^5a_{22}^5a_{21} - 6.00 \cdot a_{12}a_{11}^4a_{22}^4a_{21}^2 + 15.00 \cdot a_{12}^2a_{11}^4a_{22}^4a_{21}^2 - 20.00 \cdot a_{12}^3a_{11}^3a_{22}^3a_{21}^3 + a_{11}^6a_{22}^6 + 15.00 \cdot a_{12}^4a_{11}^4a_{22}^4a_{21}^4 - 6.00 \cdot a_{12}^5a_{11}^3a_{22}^3a_{21}^5 + 28.00 \cdot b_1a_{21}^7a_{11}^7a_{22}^7a_{12} + 28.00 \cdot b_1a_{21}^6a_{11}^6a_{22}^6a_{12}^2 - 56.00 \cdot b_1a_{21}^5a_{11}^5a_{22}^5a_{12}^3 + 70.00 \cdot b_1a_{21}^4a_{11}^4a_{22}^4a_{12}^4 + b_1a_{11}^8a_{22}^8 - 56.00 \cdot b_1a_{21}^3a_{11}^3a_{22}^3a_{12}^5 + 28.00 \cdot b_1a_{21}^2a_{11}^2a_{22}^2a_{12}^6 - 8.00 \cdot b_1a_{21}a_{11}a_{22}a_{12}^7}{-8.00 \cdot a_{12}a_{11}^7a_{22}^7a_{21} + 28.00 \cdot a_{12}^2a_{11}^6a_{22}^6a_{21}^2 - 56.00 \cdot a_{12}^3a_{11}^5a_{22}^5a_{21}^3 + 70.00 \cdot a_{12}^4a_{11}^4a_{22}^4a_{21}^4 + a_{11}^8a_{22}^8 - 56.00 \cdot a_{12}^5a_{11}^3a_{22}^3a_{21}^5 + 28.00 \cdot a_{12}^6a_{11}^2a_{22}^2a_{21}^6 - 8.00 \cdot a_{12}^7a_{11}a_{22}a_{21}^7 + a_{12}^8a_{21}^8}$
x_2	
Ψ	0.0

Table #0.1.1.1

Moving out basis: x_2 from line: 1

Moving to basis: x_3

pots:

pot #0:

symbol a_{12} : $(-0.0, inf)$

symbol c_1 : $(-inf, 0.0)$

symbol a_{11} : $(-0.0, inf)$

symbol a_{22} : $(-inf, 0.0]$

symbol b_1 : $[-0.0, inf)$

symbol b_2 : $[-0.0, inf)$

symbol a_{21} : $(-inf, 0.0)$

$$-c_2a_{11} + c_1a_{12} > 0$$

$$a_{11}a_{22} - a_{12}a_{21} > 0$$

$$b_1a_{22} - a_{12}b_2 \geq 0$$

$$c_1a_{22} - c_2a_{21} > 0$$

$$c_1a_{11}a_{22}^2 - c_2a_{11}a_{22}a_{21} - c_1a_{12}a_{22}a_{21} + a_{12}c_2a_{21}^2 \geq 0$$

$$3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} - 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 + a_{12}^3a_{21}^3 - a_{11}^3a_{22}^3 > 0$$

$$a_{11}^3a_{22}^3 - 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} + 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 - a_{12}^3a_{21}^3 > 0$$

$$8.00 \cdot a_{12}a_{11}^7a_{22}^7a_{21} - 28.00 \cdot a_{12}^2a_{11}^6a_{22}^6a_{21}^2 + 56.00 \cdot a_{12}^3a_{11}^5a_{22}^5a_{21}^3 - 70.00 \cdot a_{12}^4a_{11}^4a_{22}^4a_{21}^4 + 56.00 \cdot$$

$$a_{12}^5a_{11}^3a_{22}^3a_{21}^5 - a_{11}^8a_{22}^8 - 28.00 \cdot a_{12}^6a_{11}^2a_{22}^2a_{21}^6 + 8.00 \cdot a_{12}^7a_{11}a_{22}a_{21}^7 - a_{12}^8a_{21}^8 \geq 0$$

$$-8.00 \cdot a_{12}a_{11}^7a_{22}^7a_{21} + 28.00 \cdot a_{12}^2a_{11}^6a_{22}^6a_{21}^2 - 56.00 \cdot a_{12}^3a_{11}^5a_{22}^5a_{21}^3 + 70.00 \cdot a_{12}^4a_{11}^4a_{22}^4a_{21}^4 - 56.00 \cdot$$

$$a_{12}^5a_{11}^3a_{22}^3a_{21}^5 + a_{11}^8a_{22}^8 + 28.00 \cdot a_{12}^6a_{11}^2a_{22}^2a_{21}^6 - 8.00 \cdot a_{12}^7a_{11}a_{22}a_{21}^7 + a_{12}^8a_{21}^8 > 0$$

pot #1:

symbol a_{12} : $(-0.0, inf)$

symbol c_1 : $(-inf, 0.0)$

symbol a_{11} : $(-0.0, inf)$

symbol a_{22} : $(-inf, 0.0]$

symbol b_1 : $[-0.0, inf)$

symbol b_2 : $[-0.0, inf)$

symbol a_{21} : $(-inf, 0.0)$

$$-c_2a_{11} + c_1a_{12} > 0$$

$$a_{11}a_{22} - a_{12}a_{21} > 0$$

$$b_1a_{22} - a_{12}b_2 \geq 0$$

$$c_1a_{22} - c_2a_{21} > 0$$

$$c_1a_{11}a_{22}^2 - c_2a_{11}a_{22}a_{21} - c_1a_{12}a_{22}a_{21} + a_{12}c_2a_{21}^2 \geq 0$$

$$3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} - 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 + a_{12}^3a_{21}^3 - a_{11}^3a_{22}^3 > 0$$

$$a_{11}^3a_{22}^3 - 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} + 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 - a_{12}^3a_{21}^3 > 0$$

$$-8.00 \cdot a_{12}a_{11}^7a_{22}^7a_{21} + 28.00 \cdot a_{12}^2a_{11}^6a_{22}^6a_{21}^2 - 56.00 \cdot a_{12}^3a_{11}^5a_{22}^5a_{21}^3 + 70.00 \cdot a_{12}^4a_{11}^4a_{22}^4a_{21}^4 - 56.00 \cdot$$

$$a_{12}^5a_{11}^3a_{22}^3a_{21}^5 + a_{11}^8a_{22}^8 + 28.00 \cdot a_{12}^6a_{11}^2a_{22}^2a_{21}^6 - 8.00 \cdot a_{12}^7a_{11}a_{22}a_{21}^7 + a_{12}^8a_{21}^8 \geq 0$$

$$8.00 \cdot a_{12}a_{11}^7a_{22}^7a_{21} - 28.00 \cdot a_{12}^2a_{11}^6a_{22}^6a_{21}^2 + 56.00 \cdot a_{12}^3a_{11}^5a_{22}^5a_{21}^3 - 70.00 \cdot a_{12}^4a_{11}^4a_{22}^4a_{21}^4 + 56.00 \cdot$$

$$a_{12}^5a_{11}^3a_{22}^3a_{21}^5 - a_{11}^8a_{22}^8 - 28.00 \cdot a_{12}^6a_{11}^2a_{22}^2a_{21}^6 + 8.00 \cdot a_{12}^7a_{11}a_{22}a_{21}^7 - a_{12}^8a_{21}^8 > 0$$

pot #2:

symbol a_{12} : $(-0.0, inf)$

symbol c_1 : $(-inf, 0.0)$

symbol a_{11} : $(-0.0, inf)$

symbol a_{22} : $(-inf, 0.0]$

symbol b_1 : -0.0

symbol b_2 : $[-0.0, inf)$

symbol $a_{21} : (-inf, 0.0)$

$$-c_2a_{11} + c_1a_{12} > 0$$

$$a_{11}a_{22} - a_{12}a_{21} > 0$$

$$b_1a_{22} - a_{12}b_2 \geq 0$$

$$c_1a_{22} - c_2a_{21} > 0$$

$$c_1a_{11}a_{22}^2 - c_2a_{11}a_{22}a_{21} - c_1a_{12}a_{22}a_{21} + a_{12}c_2a_{21}^2 \geq 0$$

$$3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} - 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 + a_{12}^3a_{21}^3 - a_{11}^3a_{22}^3 > 0$$

$$a_{11}^3a_{22}^3 - 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} + 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 - a_{12}^3a_{21}^3 > 0$$

$$8.00 \cdot a_{12}a_{11}^7a_{22}^7a_{21} - 28.00 \cdot a_{12}^2a_{11}^6a_{22}^6a_{21}^2 + 56.00 \cdot a_{12}^3a_{11}^5a_{22}^5a_{21}^3 - 70.00 \cdot a_{12}^4a_{11}^4a_{22}^4a_{21}^4 + 56.00 \cdot$$

$$a_{12}^5a_{11}^3a_{22}^3a_{21}^5 - a_{11}^8a_{22}^8 - 28.00 \cdot a_{12}^6a_{11}^2a_{22}^2a_{21}^6 + 8.00 \cdot a_{12}^7a_{11}a_{22}a_{21}^7 - a_{12}^8a_{21}^8 \geq 0$$

$$8.00 \cdot a_{12}a_{11}^7a_{22}^7a_{21} - 28.00 \cdot a_{12}^2a_{11}^6a_{22}^6a_{21}^2 + 56.00 \cdot a_{12}^3a_{11}^5a_{22}^5a_{21}^3 - 70.00 \cdot a_{12}^4a_{11}^4a_{22}^4a_{21}^4 + 56.00 \cdot$$

$$a_{12}^5a_{11}^3a_{22}^3a_{21}^5 - a_{11}^8a_{22}^8 - 28.00 \cdot a_{12}^6a_{11}^2a_{22}^2a_{21}^6 + 8.00 \cdot a_{12}^7a_{11}a_{22}a_{21}^7 - a_{12}^8a_{21}^8 > 0$$

pot #3:

symbol $a_{12} : (-0.0, inf)$

symbol $c_1 : (-inf, 0.0)$

symbol $a_{11} : (-0.0, inf)$

symbol $a_{22} : (-inf, 0.0]$

symbol $b_1 : -0.0$

symbol $b_2 : [-0.0, inf)$

symbol $a_{21} : (-inf, 0.0)$

$$-c_2a_{11} + c_1a_{12} > 0$$

$$a_{11}a_{22} - a_{12}a_{21} > 0$$

$$b_1a_{22} - a_{12}b_2 \geq 0$$

$$c_1a_{22} - c_2a_{21} > 0$$

$$c_1a_{11}a_{22}^2 - c_2a_{11}a_{22}a_{21} - c_1a_{12}a_{22}a_{21} + a_{12}c_2a_{21}^2 \geq 0$$

$$3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} - 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 + a_{12}^3a_{21}^3 - a_{11}^3a_{22}^3 > 0$$

$$a_{11}^3a_{22}^3 - 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} + 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 - a_{12}^3a_{21}^3 > 0$$

$$-8.00 \cdot a_{12}a_{11}^7a_{22}^7a_{21} + 28.00 \cdot a_{12}^2a_{11}^6a_{22}^6a_{21}^2 - 56.00 \cdot a_{12}^3a_{11}^5a_{22}^5a_{21}^3 + 70.00 \cdot a_{12}^4a_{11}^4a_{22}^4a_{21}^4 - 56.00 \cdot$$

$$a_{12}^5a_{11}^3a_{22}^3a_{21}^5 + a_{11}^8a_{22}^8 + 28.00 \cdot a_{12}^6a_{11}^2a_{22}^2a_{21}^6 - 8.00 \cdot a_{12}^7a_{11}a_{22}a_{21}^7 + a_{12}^8a_{21}^8 \geq 0$$

$$-8.00 \cdot a_{12}a_{11}^7a_{22}^7a_{21} + 28.00 \cdot a_{12}^2a_{11}^6a_{22}^6a_{21}^2 - 56.00 \cdot a_{12}^3a_{11}^5a_{22}^5a_{21}^3 + 70.00 \cdot a_{12}^4a_{11}^4a_{22}^4a_{21}^4 - 56.00 \cdot$$

$$a_{12}^5a_{11}^3a_{22}^3a_{21}^5 + a_{11}^8a_{22}^8 + 28.00 \cdot a_{12}^6a_{11}^2a_{22}^2a_{21}^6 - 8.00 \cdot a_{12}^7a_{11}a_{22}a_{21}^7 + a_{12}^8a_{21}^8 > 0$$

pot #4:

symbol $a_{12} : (-0.0, inf)$

symbol $c_1 : (-inf, 0.0)$

symbol $a_{11} : (-0.0, inf)$

symbol $a_{22} : (-inf, 0.0]$

symbol $b_1 : [-0.0, inf)$

symbol $b_2 : [-0.0, inf)$

symbol $a_{21} : (-inf, 0.0)$

$$-c_2a_{11} + c_1a_{12} > 0$$

$$a_{11}a_{22} - a_{12}a_{21} > 0$$

$$b_1a_{22} - a_{12}b_2 \geq 0$$

$$c_1a_{22} - c_2a_{21} > 0$$

$$c_1a_{11}a_{22}^2 - c_2a_{11}a_{22}a_{21} - c_1a_{12}a_{22}a_{21} + a_{12}c_2a_{21}^2 \geq 0$$

$$3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} - 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 + a_{12}^3a_{21}^3 - a_{11}^3a_{22}^3 > 0$$

$$-3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} + 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 - a_{12}^3a_{21}^3 + a_{11}^3a_{22}^3 > 0$$

$$8.00 \cdot a_{12}a_{11}^7a_{22}^7a_{21} - 28.00 \cdot a_{12}^2a_{11}^6a_{22}^6a_{21}^2 + 56.00 \cdot a_{12}^3a_{11}^5a_{22}^5a_{21}^3 - 70.00 \cdot a_{12}^4a_{11}^4a_{22}^4a_{21}^4 + 56.00 \cdot$$

$$a_{12}^5a_{11}^3a_{22}^3a_{21}^5 - a_{11}^8a_{22}^8 - 28.00 \cdot a_{12}^6a_{11}^2a_{22}^2a_{21}^6 + 8.00 \cdot a_{12}^7a_{11}a_{22}a_{21}^7 - a_{12}^8a_{21}^8 \geq 0$$

$$-8.00 \cdot a_{12}a_{11}^7a_{22}^7a_{21} + 28.00 \cdot a_{12}^2a_{11}^6a_{22}^6a_{21}^2 - 56.00 \cdot a_{12}^3a_{11}^5a_{22}^5a_{21}^3 + 70.00 \cdot a_{12}^4a_{11}^4a_{22}^4a_{21}^4 - 56.00 \cdot$$

$$a_{12}^5a_{11}^3a_{22}^3a_{21}^5 + a_{11}^8a_{22}^8 + 28.00 \cdot a_{12}^6a_{11}^2a_{22}^2a_{21}^6 - 8.00 \cdot a_{12}^7a_{11}a_{22}a_{21}^7 + a_{12}^8a_{21}^8 > 0$$

pot #5:

symbol $a_{12} : (-0.0, inf)$

symbol $c_1 : (-inf, 0.0)$

symbol $a_{11} : (-0.0, inf)$

symbol $a_{22} : (-inf, 0.0]$

symbol $b_1 : [-0.0, inf)$

symbol $b_2 : [-0.0, inf)$

symbol $a_{21} : (-inf, 0.0)$

$$-c_2a_{11} + c_1a_{12} > 0$$

$$a_{11}a_{22} - a_{12}a_{21} > 0$$

$$b_1a_{22} - a_{12}b_2 \geq 0$$

$$c_1a_{22} - c_2a_{21} > 0$$

$$c_1a_{11}a_{22}^2 - c_2a_{11}a_{22}a_{21} - c_1a_{12}a_{22}a_{21} + a_{12}c_2a_{21}^2 \geq 0$$

$$3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} - 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 + a_{12}^3a_{21}^3 - a_{11}^3a_{22}^3 > 0$$

$$-3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} + 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 - a_{12}^3a_{21}^3 + a_{11}^3a_{22}^3 > 0$$

$$-8.00 \cdot a_{12}a_{11}^7a_{22}^7a_{21} + 28.00 \cdot a_{12}^2a_{11}^6a_{22}^6a_{21}^2 - 56.00 \cdot a_{12}^3a_{11}^5a_{22}^5a_{21}^3 + 70.00 \cdot a_{12}^4a_{11}^4a_{22}^4a_{21}^4 - 56.00 \cdot$$

$$a_{12}^5a_{11}^3a_{22}^3a_{21}^5 + a_{11}^8a_{22}^8 + 28.00 \cdot a_{12}^6a_{11}^2a_{22}^2a_{21}^6 - 8.00 \cdot a_{12}^7a_{11}a_{22}a_{21}^7 + a_{12}^8a_{21}^8 \geq 0$$

$$8.00 \cdot a_{12}a_{11}^7a_{22}^7a_{21} - 28.00 \cdot a_{12}^2a_{11}^6a_{22}^6a_{21}^2 + 56.00 \cdot a_{12}^3a_{11}^5a_{22}^5a_{21}^3 - 70.00 \cdot a_{12}^4a_{11}^4a_{22}^4a_{21}^4 + 56.00 \cdot$$

$$a_{12}^5a_{11}^3a_{22}^3a_{21}^5 - a_{11}^8a_{22}^8 - 28.00 \cdot a_{12}^6a_{11}^2a_{22}^2a_{21}^6 + 8.00 \cdot a_{12}^7a_{11}a_{22}a_{21}^7 - a_{12}^8a_{21}^8 > 0$$

pot #6:

symbol $a_{12} : (-0.0, inf)$

symbol $c_1 : (-inf, 0.0)$

symbol $a_{11} : (-0.0, inf)$

symbol $a_{22} : (-inf, 0.0]$

symbol $b_1 : -0.0$

symbol $b_2 : [-0.0, inf)$

symbol $a_{21} : (-inf, 0.0)$

$$-c_2a_{11} + c_1a_{12} > 0$$

$$a_{11}a_{22} - a_{12}a_{21} > 0$$

$$b_1a_{22} - a_{12}b_2 \geq 0$$

$$c_1a_{22} - c_2a_{21} > 0$$

$$c_1a_{11}a_{22}^2 - c_2a_{11}a_{22}a_{21} - c_1a_{12}a_{22}a_{21} + a_{12}c_2a_{21}^2 \geq 0$$

$$3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} - 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 + a_{12}^3a_{21}^3 - a_{11}^3a_{22}^3 > 0$$

$$-3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} + 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 - a_{12}^3a_{21}^3 + a_{11}^3a_{22}^3 > 0$$

$$8.00 \cdot a_{12}a_{11}^7a_{22}^7a_{21} - 28.00 \cdot a_{12}^2a_{11}^6a_{22}^6a_{21}^2 + 56.00 \cdot a_{12}^3a_{11}^5a_{22}^5a_{21}^3 - 70.00 \cdot a_{12}^4a_{11}^4a_{22}^4a_{21}^4 + 56.00 \cdot$$

$$a_{12}^5a_{11}^3a_{22}^3a_{21}^5 - a_{11}^8a_{22}^8 - 28.00 \cdot a_{12}^6a_{11}^2a_{22}^2a_{21}^6 + 8.00 \cdot a_{12}^7a_{11}a_{22}a_{21}^7 - a_{12}^8a_{21}^8 \geq 0$$

$$8.00 \cdot a_{12}a_{11}^7a_{22}^7a_{21} - 28.00 \cdot a_{12}^2a_{11}^6a_{22}^6a_{21}^2 + 56.00 \cdot a_{12}^3a_{11}^5a_{22}^5a_{21}^3 - 70.00 \cdot a_{12}^4a_{11}^4a_{22}^4a_{21}^4 + 56.00 \cdot$$

$$a_{12}^5a_{11}^3a_{22}^3a_{21}^5 - a_{11}^8a_{22}^8 - 28.00 \cdot a_{12}^6a_{11}^2a_{22}^2a_{21}^6 + 8.00 \cdot a_{12}^7a_{11}a_{22}a_{21}^7 - a_{12}^8a_{21}^8 > 0$$

pot #7:

symbol $a_{12} : (-0.0, inf)$

symbol $c_1 : (-inf, 0.0)$

symbol $a_{11} : (-0.0, inf)$

symbol $a_{22} : (-inf, 0.0]$

symbol $b_1 : -0.0$

symbol $b_2 : [-0.0, inf)$

symbol $a_{21} : (-inf, 0.0)$

$$-c_2a_{11} + c_1a_{12} > 0$$

$$a_{11}a_{22} - a_{12}a_{21} > 0$$

$$b_1a_{22} - a_{12}b_2 \geq 0$$

$$c_1a_{22} - c_2a_{21} > 0$$

$$\begin{aligned}
& c_1 a_{11} a_{22}^2 - c_2 a_{11} a_{22} a_{21} - c_1 a_{12} a_{22} a_{21} + a_{12} c_2 a_{21}^2 \geq 0 \\
& 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + a_{12}^3 a_{21}^3 - a_{11}^3 a_{22}^3 > 0 \\
& -3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 + a_{11}^3 a_{22}^3 > 0 \\
& -8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + 28.00 \cdot a_{12}^6 a_{11}^6 a_{22}^2 a_{21}^2 - 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 - 56.00 \cdot \\
& a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + a_{11}^8 a_{22}^8 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + a_{12}^8 a_{21}^8 \geq 0 \\
& -8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + 28.00 \cdot a_{12}^6 a_{11}^6 a_{22}^2 a_{21}^2 - 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 - 56.00 \cdot \\
& a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + a_{11}^8 a_{22}^8 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + a_{12}^8 a_{21}^8 > 0
\end{aligned}$$

pot #8:

symbol a_{12} : $(-0.0, inf)$

symbol c_1 : $(-inf, 0.0)$

symbol a_{11} : $(-0.0, inf)$

symbol a_{22} : $(-inf, 0.0]$

symbol b_1 : $[-0.0, inf)$

symbol b_2 : $[-0.0, inf)$

symbol a_{21} : $(-inf, 0.0)$

$$-c_2 a_{11} + c_1 a_{12} > 0$$

$$a_{11} a_{22} - a_{12} a_{21} > 0$$

$$b_1 a_{22} - a_{12} b_2 \geq 0$$

$$c_1 a_{22} - c_2 a_{21} > 0$$

$$c_1 a_{11} a_{22}^2 - c_2 a_{11} a_{22} a_{21} - c_1 a_{12} a_{22} a_{21} + a_{12} c_2 a_{21}^2 \geq 0$$

$$-3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 + a_{11}^3 a_{22}^3 > 0$$

$$3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + a_{12}^3 a_{21}^3 - a_{11}^3 a_{22}^3 > 0$$

$$8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - 28.00 \cdot a_{12}^6 a_{11}^6 a_{22}^2 a_{21}^2 + 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 + 56.00 \cdot$$

$$a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - a_{11}^8 a_{22}^8 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - a_{12}^8 a_{21}^8 \geq 0$$

$$-8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + 28.00 \cdot a_{12}^6 a_{11}^6 a_{22}^2 a_{21}^2 - 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 - 56.00 \cdot$$

$$a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + a_{11}^8 a_{22}^8 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + a_{12}^8 a_{21}^8 > 0$$

pot #9:

symbol a_{12} : $(-0.0, inf)$

symbol c_1 : $(-inf, 0.0)$

symbol a_{11} : $(-0.0, inf)$

symbol a_{22} : $(-inf, 0.0]$

symbol b_1 : $[-0.0, inf)$

symbol b_2 : $[-0.0, inf)$

symbol a_{21} : $(-inf, 0.0)$

$$-c_2 a_{11} + c_1 a_{12} > 0$$

$$a_{11} a_{22} - a_{12} a_{21} > 0$$

$$b_1 a_{22} - a_{12} b_2 \geq 0$$

$$c_1 a_{22} - c_2 a_{21} > 0$$

$$c_1 a_{11} a_{22}^2 - c_2 a_{11} a_{22} a_{21} - c_1 a_{12} a_{22} a_{21} + a_{12} c_2 a_{21}^2 \geq 0$$

$$-3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 + a_{11}^3 a_{22}^3 > 0$$

$$3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + a_{12}^3 a_{21}^3 - a_{11}^3 a_{22}^3 > 0$$

$$-8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + 28.00 \cdot a_{12}^6 a_{11}^6 a_{22}^2 a_{21}^2 - 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 - 56.00 \cdot$$

$$a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + a_{11}^8 a_{22}^8 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + a_{12}^8 a_{21}^8 \geq 0$$

$$8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - 28.00 \cdot a_{12}^6 a_{11}^6 a_{22}^2 a_{21}^2 + 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 + 56.00 \cdot$$

$$a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - a_{11}^8 a_{22}^8 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - a_{12}^8 a_{21}^8 > 0$$

pot #10:

symbol a_{12} : $(-0.0, inf)$

symbol c_1 : $(-inf, 0.0)$

symbol a_{11} : $(-0.0, inf)$

symbol a_{22} : $(-inf, 0.0]$

symbol $b_1 : -0.0$

symbol $b_2 : [-0.0, inf)$

symbol $a_{21} : (-inf, 0.0)$

$$-c_2a_{11} + c_1a_{12} > 0$$

$$a_{11}a_{22} - a_{12}a_{21} > 0$$

$$b_1a_{22} - a_{12}b_2 \geq 0$$

$$c_1a_{22} - c_2a_{21} > 0$$

$$c_1a_{11}a_{22}^2 - c_2a_{11}a_{22}a_{21} - c_1a_{12}a_{22}a_{21} + a_{12}c_2a_{21}^2 \geq 0$$

$$-3.00 \cdot a_{12}a_{11}^2a_{22}a_{21} + 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 - a_{12}^3a_{21}^3 + a_{11}^3a_{22}^3 > 0$$

$$3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} - 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 + a_{12}^3a_{21}^3 - a_{11}^3a_{22}^3 > 0$$

$$8.00 \cdot a_{12}a_{11}^7a_{22}^7a_{21} - 28.00 \cdot a_{12}^2a_{11}^6a_{22}^6a_{21}^2 + 56.00 \cdot a_{12}^3a_{11}^5a_{22}^5a_{21}^3 - 70.00 \cdot a_{12}^4a_{11}^4a_{22}^4a_{21}^4 + 56.00 \cdot$$

$$a_{12}^5a_{11}^3a_{22}^3a_{21}^5 - a_{11}^8a_{22}^8 - 28.00 \cdot a_{12}^6a_{11}^2a_{22}^2a_{21}^6 + 8.00 \cdot a_{12}^7a_{11}a_{22}a_{21}^7 - a_{12}^8a_{21}^8 \geq 0$$

$$8.00 \cdot a_{12}a_{11}^7a_{22}^7a_{21} - 28.00 \cdot a_{12}^2a_{11}^6a_{22}^6a_{21}^2 + 56.00 \cdot a_{12}^3a_{11}^5a_{22}^5a_{21}^3 - 70.00 \cdot a_{12}^4a_{11}^4a_{22}^4a_{21}^4 + 56.00 \cdot$$

$$a_{12}^5a_{11}^3a_{22}^3a_{21}^5 - a_{11}^8a_{22}^8 - 28.00 \cdot a_{12}^6a_{11}^2a_{22}^2a_{21}^6 + 8.00 \cdot a_{12}^7a_{11}a_{22}a_{21}^7 - a_{12}^8a_{21}^8 > 0$$

pot #11:

symbol $a_{12} : (-0.0, inf)$

symbol $c_1 : (-inf, 0.0)$

symbol $a_{11} : (-0.0, inf)$

symbol $a_{22} : (-inf, 0.0]$

symbol $b_1 : -0.0$

symbol $b_2 : [-0.0, inf)$

symbol $a_{21} : (-inf, 0.0)$

$$-c_2a_{11} + c_1a_{12} > 0$$

$$a_{11}a_{22} - a_{12}a_{21} > 0$$

$$b_1a_{22} - a_{12}b_2 \geq 0$$

$$c_1a_{22} - c_2a_{21} > 0$$

$$c_1a_{11}a_{22}^2 - c_2a_{11}a_{22}a_{21} - c_1a_{12}a_{22}a_{21} + a_{12}c_2a_{21}^2 \geq 0$$

$$-3.00 \cdot a_{12}a_{11}^2a_{22}a_{21} + 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 - a_{12}^3a_{21}^3 + a_{11}^3a_{22}^3 > 0$$

$$3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} - 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 + a_{12}^3a_{21}^3 - a_{11}^3a_{22}^3 > 0$$

$$-8.00 \cdot a_{12}a_{11}^7a_{22}^7a_{21} + 28.00 \cdot a_{12}^2a_{11}^6a_{22}^6a_{21}^2 - 56.00 \cdot a_{12}^3a_{11}^5a_{22}^5a_{21}^3 + 70.00 \cdot a_{12}^4a_{11}^4a_{22}^4a_{21}^4 - 56.00 \cdot$$

$$a_{12}^5a_{11}^3a_{22}^3a_{21}^5 + a_{11}^8a_{22}^8 + 28.00 \cdot a_{12}^6a_{11}^2a_{22}^2a_{21}^6 - 8.00 \cdot a_{12}^7a_{11}a_{22}a_{21}^7 + a_{12}^8a_{21}^8 \geq 0$$

$$-8.00 \cdot a_{12}a_{11}^7a_{22}^7a_{21} + 28.00 \cdot a_{12}^2a_{11}^6a_{22}^6a_{21}^2 - 56.00 \cdot a_{12}^3a_{11}^5a_{22}^5a_{21}^3 + 70.00 \cdot a_{12}^4a_{11}^4a_{22}^4a_{21}^4 - 56.00 \cdot$$

$$a_{12}^5a_{11}^3a_{22}^3a_{21}^5 + a_{11}^8a_{22}^8 + 28.00 \cdot a_{12}^6a_{11}^2a_{22}^2a_{21}^6 - 8.00 \cdot a_{12}^7a_{11}a_{22}a_{21}^7 + a_{12}^8a_{21}^8 > 0$$

pot #12:

symbol $a_{12} : (-0.0, inf)$

symbol $c_1 : (-inf, 0.0)$

symbol $a_{11} : (-0.0, inf)$

symbol $a_{22} : (-inf, 0.0]$

symbol $b_1 : [-0.0, inf)$

symbol $b_2 : [-0.0, inf)$

symbol $a_{21} : (-inf, 0.0)$

$$-c_2a_{11} + c_1a_{12} > 0$$

$$a_{11}a_{22} - a_{12}a_{21} > 0$$

$$b_1a_{22} - a_{12}b_2 \geq 0$$

$$c_1a_{22} - c_2a_{21} > 0$$

$$c_1a_{11}a_{22}^2 - c_2a_{11}a_{22}a_{21} - c_1a_{12}a_{22}a_{21} + a_{12}c_2a_{21}^2 \geq 0$$

$$-3.00 \cdot a_{12}a_{11}^2a_{22}a_{21} + 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 - a_{12}^3a_{21}^3 + a_{11}^3a_{22}^3 > 0$$

$$-a_{11}^3a_{22}^3 + 3.00 \cdot a_{12}a_{11}^2a_{22}a_{21} - 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 + a_{12}^3a_{21}^3 > 0$$

$$8.00 \cdot a_{12}a_{11}^7a_{22}^7a_{21} - 28.00 \cdot a_{12}^2a_{11}^6a_{22}^6a_{21}^2 + 56.00 \cdot a_{12}^3a_{11}^5a_{22}^5a_{21}^3 - 70.00 \cdot a_{12}^4a_{11}^4a_{22}^4a_{21}^4 + 56.00 \cdot$$

$$a_{12}^5a_{11}^3a_{22}^3a_{21}^5 - a_{11}^8a_{22}^8 - 28.00 \cdot a_{12}^6a_{11}^2a_{22}^2a_{21}^6 + 8.00 \cdot a_{12}^7a_{11}a_{22}a_{21}^7 - a_{12}^8a_{21}^8 \geq 0$$

$$-8.00 \cdot a_{12}a_{11}^7a_{22}^7a_{21} + 28.00 \cdot a_{12}^2a_{11}^6a_{22}^6a_{21}^2 - 56.00 \cdot a_{12}^3a_{11}^5a_{22}^5a_{21}^3 + 70.00 \cdot a_{12}^4a_{11}^4a_{22}^4a_{21}^4 - 56.00 \cdot a_{12}^5a_{11}^3a_{22}^3a_{21}^5 + a_{11}^8a_{22}^8 + 28.00 \cdot a_{12}^6a_{11}^2a_{22}^2a_{21}^6 - 8.00 \cdot a_{12}^7a_{11}a_{22}a_{21}^7 + a_{12}^8a_{21}^8 > 0$$

pot #13:

symbol $a_{12} : (-0.0, inf)$

symbol $c_1 : (-inf, 0.0)$

symbol $a_{11} : (-0.0, inf)$

symbol $a_{22} : (-inf, 0.0]$

symbol $b_1 : [-0.0, inf)$

symbol $b_2 : [-0.0, inf)$

symbol $a_{21} : (-inf, 0.0)$

$$-c_2a_{11} + c_1a_{12} > 0$$

$$a_{11}a_{22} - a_{12}a_{21} > 0$$

$$b_1a_{22} - a_{12}b_2 \geq 0$$

$$c_1a_{22} - c_2a_{21} > 0$$

$$c_1a_{11}a_{22}^2 - c_2a_{11}a_{22}a_{21} - c_1a_{12}a_{22}a_{21} + a_{12}c_2a_{21}^2 \geq 0$$

$$-3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} + 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 - a_{12}^3a_{21}^3 + a_{11}^3a_{22}^3 > 0$$

$$-a_{11}^3a_{22}^3 + 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} - 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 + a_{12}^3a_{21}^3 > 0$$

$$-8.00 \cdot a_{12}a_{11}^7a_{22}^7a_{21} + 28.00 \cdot a_{12}^2a_{11}^6a_{22}^6a_{21}^2 - 56.00 \cdot a_{12}^3a_{11}^5a_{22}^5a_{21}^3 + 70.00 \cdot a_{12}^4a_{11}^4a_{22}^4a_{21}^4 - 56.00 \cdot a_{12}^5a_{11}^3a_{22}^3a_{21}^5 + a_{11}^8a_{22}^8 + 28.00 \cdot a_{12}^6a_{11}^2a_{22}^2a_{21}^6 - 8.00 \cdot a_{12}^7a_{11}a_{22}a_{21}^7 + a_{12}^8a_{21}^8 \geq 0$$

$$8.00 \cdot a_{12}a_{11}^7a_{22}^7a_{21} - 28.00 \cdot a_{12}^2a_{11}^6a_{22}^6a_{21}^2 + 56.00 \cdot a_{12}^3a_{11}^5a_{22}^5a_{21}^3 - 70.00 \cdot a_{12}^4a_{11}^4a_{22}^4a_{21}^4 + 56.00 \cdot a_{12}^5a_{11}^3a_{22}^3a_{21}^5 - a_{11}^8a_{22}^8 - 28.00 \cdot a_{12}^6a_{11}^2a_{22}^2a_{21}^6 + 8.00 \cdot a_{12}^7a_{11}a_{22}a_{21}^7 - a_{12}^8a_{21}^8 > 0$$

$$a_{12}^5a_{11}^3a_{22}^3a_{21}^5 - a_{11}^8a_{22}^8 - 28.00 \cdot a_{12}^6a_{11}^2a_{22}^2a_{21}^6 + 8.00 \cdot a_{12}^7a_{11}a_{22}a_{21}^7 - a_{12}^8a_{21}^8 > 0$$

pot #14:

symbol $a_{12} : (-0.0, inf)$

symbol $c_1 : (-inf, 0.0)$

symbol $a_{11} : (-0.0, inf)$

symbol $a_{22} : (-inf, 0.0]$

symbol $b_1 : -0.0$

symbol $b_2 : [-0.0, inf)$

symbol $a_{21} : (-inf, 0.0)$

$$-c_2a_{11} + c_1a_{12} > 0$$

$$a_{11}a_{22} - a_{12}a_{21} > 0$$

$$b_1a_{22} - a_{12}b_2 \geq 0$$

$$c_1a_{22} - c_2a_{21} > 0$$

$$c_1a_{11}a_{22}^2 - c_2a_{11}a_{22}a_{21} - c_1a_{12}a_{22}a_{21} + a_{12}c_2a_{21}^2 \geq 0$$

$$-3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} + 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 - a_{12}^3a_{21}^3 + a_{11}^3a_{22}^3 > 0$$

$$-a_{11}^3a_{22}^3 + 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} - 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 + a_{12}^3a_{21}^3 > 0$$

$$8.00 \cdot a_{12}a_{11}^7a_{22}^7a_{21} - 28.00 \cdot a_{12}^2a_{11}^6a_{22}^6a_{21}^2 + 56.00 \cdot a_{12}^3a_{11}^5a_{22}^5a_{21}^3 - 70.00 \cdot a_{12}^4a_{11}^4a_{22}^4a_{21}^4 + 56.00 \cdot a_{12}^5a_{11}^3a_{22}^3a_{21}^5 - a_{11}^8a_{22}^8 - 28.00 \cdot a_{12}^6a_{11}^2a_{22}^2a_{21}^6 + 8.00 \cdot a_{12}^7a_{11}a_{22}a_{21}^7 - a_{12}^8a_{21}^8 \geq 0$$

$$8.00 \cdot a_{12}a_{11}^7a_{22}^7a_{21} - 28.00 \cdot a_{12}^2a_{11}^6a_{22}^6a_{21}^2 + 56.00 \cdot a_{12}^3a_{11}^5a_{22}^5a_{21}^3 - 70.00 \cdot a_{12}^4a_{11}^4a_{22}^4a_{21}^4 + 56.00 \cdot a_{12}^5a_{11}^3a_{22}^3a_{21}^5 - a_{11}^8a_{22}^8 - 28.00 \cdot a_{12}^6a_{11}^2a_{22}^2a_{21}^6 + 8.00 \cdot a_{12}^7a_{11}a_{22}a_{21}^7 - a_{12}^8a_{21}^8 > 0$$

$$a_{12}^5a_{11}^3a_{22}^3a_{21}^5 - a_{11}^8a_{22}^8 - 28.00 \cdot a_{12}^6a_{11}^2a_{22}^2a_{21}^6 + 8.00 \cdot a_{12}^7a_{11}a_{22}a_{21}^7 - a_{12}^8a_{21}^8 > 0$$

pot #15:

symbol $a_{12} : (-0.0, inf)$

symbol $c_1 : (-inf, 0.0)$

symbol $a_{11} : (-0.0, inf)$

symbol $a_{22} : (-inf, 0.0]$

symbol $b_1 : -0.0$

symbol $b_2 : [-0.0, inf)$

symbol $a_{21} : (-inf, 0.0)$

$$-c_2a_{11} + c_1a_{12} > 0$$

$$a_{11}a_{22} - a_{12}a_{21} > 0$$

$$b_1 a_{22} - a_{12} b_2 \geq 0$$

$$c_1 a_{22} - c_2 a_{21} > 0$$

$$c_1 a_{11} a_{22}^2 - c_2 a_{11} a_{22} a_{21} - c_1 a_{12} a_{22} a_{21} + a_{12} c_2 a_{21}^2 \geq 0$$

$$-3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 + a_{11}^3 a_{22}^3 > 0$$

$$-a_{11}^3 a_{22}^3 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + a_{12}^3 a_{21}^3 > 0$$

$$-8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 - 56.00 \cdot$$

$$a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + a_{11}^8 a_{22}^8 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + a_{12}^8 a_{21}^8 \geq 0$$

$$-8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 - 56.00 \cdot$$

$$a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + a_{11}^8 a_{22}^8 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + a_{12}^8 a_{21}^8 > 0$$

pot #16:

symbol a_{12} : $(-0.0, inf)$

symbol c_1 : $(-inf, 0.0)$

symbol a_{11} : $(-0.0, inf)$

symbol a_{22} : $(-inf, 0.0]$

symbol b_1 : $[-0.0, inf)$

symbol b_2 : $[-0.0, inf)$

symbol a_{21} : $(-inf, 0.0)$

$$-c_2 a_{11} + c_1 a_{12} > 0$$

$$a_{11} a_{22} - a_{12} a_{21} > 0$$

$$b_1 a_{22} - a_{12} b_2 \geq 0$$

$$c_1 a_{22} - c_2 a_{21} > 0$$

$$c_1 a_{11} a_{22}^2 - c_2 a_{11} a_{22} a_{21} - c_1 a_{12} a_{22} a_{21} + a_{12} c_2 a_{21}^2 \geq 0$$

$$3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + a_{12}^3 a_{21}^3 - a_{11}^3 a_{22}^3 > 0$$

$$-3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 + a_{11}^3 a_{22}^3 \geq 0$$

$$a_{11}^3 a_{22}^3 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 > 0$$

pot #17:

symbol a_{12} : $(-0.0, inf)$

symbol c_1 : $(-inf, 0.0)$

symbol a_{11} : $(-0.0, inf)$

symbol a_{22} : $(-inf, 0.0]$

symbol b_1 : $[-0.0, inf)$

symbol b_2 : $[-0.0, inf)$

symbol a_{21} : $(-inf, 0.0)$

$$-c_2 a_{11} + c_1 a_{12} > 0$$

$$a_{11} a_{22} - a_{12} a_{21} > 0$$

$$b_1 a_{22} - a_{12} b_2 \geq 0$$

$$c_1 a_{22} - c_2 a_{21} > 0$$

$$c_1 a_{11} a_{22}^2 - c_2 a_{11} a_{22} a_{21} - c_1 a_{12} a_{22} a_{21} + a_{12} c_2 a_{21}^2 \geq 0$$

$$3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + a_{12}^3 a_{21}^3 - a_{11}^3 a_{22}^3 > 0$$

$$3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + a_{12}^3 a_{21}^3 - a_{11}^3 a_{22}^3 \geq 0$$

pot #18:

symbol a_{12} : $(-0.0, inf)$

symbol c_1 : $(-inf, 0.0)$

symbol a_{11} : $(-0.0, inf)$

symbol a_{22} : $(-inf, 0.0]$

symbol b_1 : $[-0.0, inf)$

symbol b_2 : $[-0.0, inf)$

symbol a_{21} : $(-inf, 0.0)$

$$-c_2 a_{11} + c_1 a_{12} > 0$$

$$a_{11} a_{22} - a_{12} a_{21} > 0$$

$$b_1 a_{22} - a_{12} b_2 \geq 0$$

$$c_1 a_{22} - c_2 a_{21} > 0$$

$$c_1 a_{11} a_{22}^2 - c_2 a_{11} a_{22} a_{21} - c_1 a_{12} a_{22} a_{21} + a_{12} c_2 a_{21}^2 \geq 0$$

$$-3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 + a_{11}^3 a_{22}^3 > 0$$

$$-3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 + a_{11}^3 a_{22}^3 \geq 0$$

pot #19:

$$\text{symbol } a_{12} : (-0.0, \text{inf})$$

$$\text{symbol } c_1 : (-\text{inf}, 0.0)$$

$$\text{symbol } a_{11} : (-0.0, \text{inf})$$

$$\text{symbol } a_{22} : (-\text{inf}, 0.0]$$

$$\text{symbol } b_1 : [-0.0, \text{inf})$$

$$\text{symbol } b_2 : [-0.0, \text{inf})$$

$$\text{symbol } a_{21} : (-\text{inf}, 0.0)$$

$$-c_2 a_{11} + c_1 a_{12} > 0$$

$$a_{11} a_{22} - a_{12} a_{21} > 0$$

$$b_1 a_{22} - a_{12} b_2 \geq 0$$

$$c_1 a_{22} - c_2 a_{21} > 0$$

$$c_1 a_{11} a_{22}^2 - c_2 a_{11} a_{22} a_{21} - c_1 a_{12} a_{22} a_{21} + a_{12} c_2 a_{21}^2 \geq 0$$

$$-3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 + a_{11}^3 a_{22}^3 > 0$$

$$3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + a_{12}^3 a_{21}^3 - a_{11}^3 a_{22}^3 \geq 0$$

$$-a_{11}^3 a_{22}^3 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + a_{12}^3 a_{21}^3 > 0$$

pot #20:

$$\text{symbol } a_{12} : (-\text{inf}, 0.0]$$

$$\text{symbol } c_1 : (-\text{inf}, 0.0)$$

$$\text{symbol } a_{11} : (-0.0, \text{inf})$$

$$\text{symbol } a_{22} : (-0.0, \text{inf})$$

$$\text{symbol } b_1 : [-0.0, \text{inf})$$

$$\text{symbol } b_2 : [-0.0, \text{inf})$$

$$\text{symbol } a_{21} : (-\text{inf}, 0.0)$$

$$-c_2 a_{11} + c_1 a_{12} > 0$$

$$a_{11} a_{22} - a_{12} a_{21} > 0$$

$$c_1 a_{22} - c_2 a_{21} > 0$$

$$3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + a_{12}^3 a_{21}^3 - a_{11}^3 a_{22}^3 \geq 0$$

$$a_{11}^2 a_{22}^2 - 2.00 \cdot a_{12} a_{11} a_{22} a_{21} + a_{12}^2 a_{21}^2 > 0$$

$$c_1 a_{11} a_{22}^2 - c_2 a_{11} a_{22} a_{21} - c_1 a_{12} a_{22} a_{21} + a_{12} c_2 a_{21}^2 \geq 0$$

$$3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + a_{12}^3 a_{21}^3 - a_{11}^3 a_{22}^3 > 0$$

$$a_{11}^3 a_{22}^3 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 > 0$$

$$8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 + 56.00 \cdot$$

$$a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - a_{11}^8 a_{22}^8 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - a_{12}^8 a_{21}^8 \geq 0$$

$$-8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 - 56.00 \cdot$$

$$a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + a_{11}^8 a_{22}^8 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + a_{12}^8 a_{21}^8 > 0$$

pot #21:

$$\text{symbol } a_{12} : (-\text{inf}, 0.0]$$

$$\text{symbol } c_1 : (-\text{inf}, 0.0)$$

$$\text{symbol } a_{11} : (-0.0, \text{inf})$$

$$\text{symbol } a_{22} : (-0.0, \text{inf})$$

$$\text{symbol } b_1 : [-0.0, \text{inf})$$

$$\text{symbol } b_2 : [-0.0, \text{inf})$$

$$\text{symbol } a_{21} : (-\text{inf}, 0.0)$$

$$-c_2 a_{11} + c_1 a_{12} > 0$$

$$\begin{aligned}
& a_{11}a_{22} - a_{12}a_{21} > 0 \\
& c_1a_{22} - c_2a_{21} > 0 \\
& 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} - 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 + a_{12}^3a_{21}^3 - a_{11}^3a_{22}^3 \geq 0 \\
& a_{11}^2a_{22}^2 - 2.00 \cdot a_{12}a_{11}a_{22}a_{21} + a_{12}^2a_{21}^2 > 0 \\
& c_1a_{11}a_{22}^2 - c_2a_{11}a_{22}a_{21} - c_1a_{12}a_{22}a_{21} + a_{12}c_2a_{21}^2 \geq 0 \\
& 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} - 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 + a_{12}^3a_{21}^3 - a_{11}^3a_{22}^3 > 0 \\
& a_{11}^3a_{22}^3 - 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} + 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 - a_{12}^3a_{21}^3 > 0 \\
& -8.00 \cdot a_{12}a_{11}^7a_{22}^7a_{21} + 28.00 \cdot a_{12}^2a_{11}^6a_{22}^6a_{21}^2 - 56.00 \cdot a_{12}^3a_{11}^5a_{22}^5a_{21}^3 + 70.00 \cdot a_{12}^4a_{11}^4a_{22}^4a_{21}^4 - 56.00 \cdot \\
& a_{12}^5a_{11}^3a_{22}^3a_{21}^5 + a_{11}^8a_{22}^8 + 28.00 \cdot a_{12}^6a_{11}^2a_{22}^2a_{21}^6 - 8.00 \cdot a_{12}^7a_{11}a_{22}a_{21}^7 + a_{12}^8a_{21}^8 \geq 0 \\
& 8.00 \cdot a_{12}a_{11}^7a_{22}^7a_{21} - 28.00 \cdot a_{12}^2a_{11}^6a_{22}^6a_{21}^2 + 56.00 \cdot a_{12}^3a_{11}^5a_{22}^5a_{21}^3 - 70.00 \cdot a_{12}^4a_{11}^4a_{22}^4a_{21}^4 + 56.00 \cdot \\
& a_{12}^5a_{11}^3a_{22}^3a_{21}^5 - a_{11}^8a_{22}^8 - 28.00 \cdot a_{12}^6a_{11}^2a_{22}^2a_{21}^6 + 8.00 \cdot a_{12}^7a_{11}a_{22}a_{21}^7 - a_{12}^8a_{21}^8 > 0
\end{aligned}$$

pot #22:

symbol a_{12} : $(-inf, 0.0]$

symbol c_1 : $(-inf, 0.0)$

symbol a_{11} : $(-0.0, inf)$

symbol a_{22} : $(-0.0, inf)$

symbol b_1 : -0.0

symbol b_2 : $[-0.0, inf)$

symbol a_{21} : $(-inf, 0.0)$

$$-c_2a_{11} + c_1a_{12} > 0$$

$$a_{11}a_{22} - a_{12}a_{21} > 0$$

$$c_1a_{22} - c_2a_{21} > 0$$

$$3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} - 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 + a_{12}^3a_{21}^3 - a_{11}^3a_{22}^3 \geq 0$$

$$a_{11}^2a_{22}^2 - 2.00 \cdot a_{12}a_{11}a_{22}a_{21} + a_{12}^2a_{21}^2 > 0$$

$$c_1a_{11}a_{22}^2 - c_2a_{11}a_{22}a_{21} - c_1a_{12}a_{22}a_{21} + a_{12}c_2a_{21}^2 \geq 0$$

$$3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} - 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 + a_{12}^3a_{21}^3 - a_{11}^3a_{22}^3 > 0$$

$$a_{11}^3a_{22}^3 - 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} + 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 - a_{12}^3a_{21}^3 > 0$$

$$8.00 \cdot a_{12}a_{11}^7a_{22}^7a_{21} - 28.00 \cdot a_{12}^2a_{11}^6a_{22}^6a_{21}^2 + 56.00 \cdot a_{12}^3a_{11}^5a_{22}^5a_{21}^3 - 70.00 \cdot a_{12}^4a_{11}^4a_{22}^4a_{21}^4 + 56.00 \cdot$$

$$a_{12}^5a_{11}^3a_{22}^3a_{21}^5 - a_{11}^8a_{22}^8 - 28.00 \cdot a_{12}^6a_{11}^2a_{22}^2a_{21}^6 + 8.00 \cdot a_{12}^7a_{11}a_{22}a_{21}^7 - a_{12}^8a_{21}^8 \geq 0$$

$$8.00 \cdot a_{12}a_{11}^7a_{22}^7a_{21} - 28.00 \cdot a_{12}^2a_{11}^6a_{22}^6a_{21}^2 + 56.00 \cdot a_{12}^3a_{11}^5a_{22}^5a_{21}^3 - 70.00 \cdot a_{12}^4a_{11}^4a_{22}^4a_{21}^4 + 56.00 \cdot$$

$$a_{12}^5a_{11}^3a_{22}^3a_{21}^5 - a_{11}^8a_{22}^8 - 28.00 \cdot a_{12}^6a_{11}^2a_{22}^2a_{21}^6 + 8.00 \cdot a_{12}^7a_{11}a_{22}a_{21}^7 - a_{12}^8a_{21}^8 > 0$$

pot #23:

symbol a_{12} : $(-inf, 0.0]$

symbol c_1 : $(-inf, 0.0)$

symbol a_{11} : $(-0.0, inf)$

symbol a_{22} : $(-0.0, inf)$

symbol b_1 : -0.0

symbol b_2 : $[-0.0, inf)$

symbol a_{21} : $(-inf, 0.0)$

$$-c_2a_{11} + c_1a_{12} > 0$$

$$a_{11}a_{22} - a_{12}a_{21} > 0$$

$$c_1a_{22} - c_2a_{21} > 0$$

$$3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} - 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 + a_{12}^3a_{21}^3 - a_{11}^3a_{22}^3 \geq 0$$

$$a_{11}^2a_{22}^2 - 2.00 \cdot a_{12}a_{11}a_{22}a_{21} + a_{12}^2a_{21}^2 > 0$$

$$c_1a_{11}a_{22}^2 - c_2a_{11}a_{22}a_{21} - c_1a_{12}a_{22}a_{21} + a_{12}c_2a_{21}^2 \geq 0$$

$$3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} - 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 + a_{12}^3a_{21}^3 - a_{11}^3a_{22}^3 > 0$$

$$a_{11}^3a_{22}^3 - 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} + 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 - a_{12}^3a_{21}^3 > 0$$

$$-8.00 \cdot a_{12}a_{11}^7a_{22}^7a_{21} + 28.00 \cdot a_{12}^2a_{11}^6a_{22}^6a_{21}^2 - 56.00 \cdot a_{12}^3a_{11}^5a_{22}^5a_{21}^3 + 70.00 \cdot a_{12}^4a_{11}^4a_{22}^4a_{21}^4 - 56.00 \cdot$$

$$a_{12}^5a_{11}^3a_{22}^3a_{21}^5 + a_{11}^8a_{22}^8 + 28.00 \cdot a_{12}^6a_{11}^2a_{22}^2a_{21}^6 - 8.00 \cdot a_{12}^7a_{11}a_{22}a_{21}^7 + a_{12}^8a_{21}^8 \geq 0$$

$$-8.00 \cdot a_{12}a_{11}^7a_{22}^7a_{21} + 28.00 \cdot a_{12}^2a_{11}^6a_{22}^6a_{21}^2 - 56.00 \cdot a_{12}^3a_{11}^5a_{22}^5a_{21}^3 + 70.00 \cdot a_{12}^4a_{11}^4a_{22}^4a_{21}^4 - 56.00 \cdot$$

$$a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + a_{11}^8 a_{22}^8 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + a_{12}^8 a_{21}^8 > 0$$

pot #24:

symbol a_{12} : $(-inf, 0.0]$

symbol c_1 : $(-inf, 0.0)$

symbol a_{11} : $(-0.0, inf)$

symbol a_{22} : $(-0.0, inf)$

symbol b_1 : $[-0.0, inf)$

symbol b_2 : $[-0.0, inf)$

symbol a_{21} : $(-inf, 0.0)$

$$-c_2 a_{11} + c_1 a_{12} > 0$$

$$a_{11} a_{22} - a_{12} a_{21} > 0$$

$$c_1 a_{22} - c_2 a_{21} > 0$$

$$3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + a_{12}^3 a_{21}^3 - a_{11}^3 a_{22}^3 \geq 0$$

$$a_{11}^2 a_{22}^2 - 2.00 \cdot a_{12} a_{11} a_{22} a_{21} + a_{12}^2 a_{21}^2 > 0$$

$$c_1 a_{11} a_{22}^2 - c_2 a_{11} a_{22} a_{21} - c_1 a_{12} a_{22} a_{21} + a_{12} c_2 a_{21}^2 \geq 0$$

$$3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + a_{12}^3 a_{21}^3 - a_{11}^3 a_{22}^3 > 0$$

$$-3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 + a_{11}^3 a_{22}^3 > 0$$

$$8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 + 56.00 \cdot$$

$$a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - a_{11}^8 a_{22}^8 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - a_{12}^8 a_{21}^8 \geq 0$$

$$-8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 - 56.00 \cdot$$

$$a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + a_{11}^8 a_{22}^8 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + a_{12}^8 a_{21}^8 > 0$$

pot #25:

symbol a_{12} : $(-inf, 0.0]$

symbol c_1 : $(-inf, 0.0)$

symbol a_{11} : $(-0.0, inf)$

symbol a_{22} : $(-0.0, inf)$

symbol b_1 : $[-0.0, inf)$

symbol b_2 : $[-0.0, inf)$

symbol a_{21} : $(-inf, 0.0)$

$$-c_2 a_{11} + c_1 a_{12} > 0$$

$$a_{11} a_{22} - a_{12} a_{21} > 0$$

$$c_1 a_{22} - c_2 a_{21} > 0$$

$$3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + a_{12}^3 a_{21}^3 - a_{11}^3 a_{22}^3 \geq 0$$

$$a_{11}^2 a_{22}^2 - 2.00 \cdot a_{12} a_{11} a_{22} a_{21} + a_{12}^2 a_{21}^2 > 0$$

$$c_1 a_{11} a_{22}^2 - c_2 a_{11} a_{22} a_{21} - c_1 a_{12} a_{22} a_{21} + a_{12} c_2 a_{21}^2 \geq 0$$

$$3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + a_{12}^3 a_{21}^3 - a_{11}^3 a_{22}^3 > 0$$

$$-3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 + a_{11}^3 a_{22}^3 > 0$$

$$-8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 - 56.00 \cdot$$

$$a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + a_{11}^8 a_{22}^8 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + a_{12}^8 a_{21}^8 \geq 0$$

$$8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 + 56.00 \cdot$$

$$a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - a_{11}^8 a_{22}^8 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - a_{12}^8 a_{21}^8 > 0$$

pot #26:

symbol a_{12} : $(-inf, 0.0]$

symbol c_1 : $(-inf, 0.0)$

symbol a_{11} : $(-0.0, inf)$

symbol a_{22} : $(-0.0, inf)$

symbol b_1 : -0.0

symbol b_2 : $[-0.0, inf)$

symbol a_{21} : $(-inf, 0.0)$

$$-c_2 a_{11} + c_1 a_{12} > 0$$

$$a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + a_{11}^8 a_{22}^8 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + a_{12}^8 a_{21}^8 > 0$$

pot #29:

symbol a_{12} : $(-inf, 0.0]$

symbol c_1 : $(-inf, 0.0)$

symbol a_{11} : $(-0.0, inf)$

symbol a_{22} : $(-0.0, inf)$

symbol b_1 : $[-0.0, inf)$

symbol b_2 : $[-0.0, inf)$

symbol a_{21} : $(-inf, 0.0)$

$$-c_2 a_{11} + c_1 a_{12} > 0$$

$$a_{11} a_{22} - a_{12} a_{21} > 0$$

$$c_1 a_{22} - c_2 a_{21} > 0$$

$$3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + a_{12}^3 a_{21}^3 - a_{11}^3 a_{22}^3 \geq 0$$

$$a_{11}^2 a_{22}^2 - 2.00 \cdot a_{12} a_{11} a_{22} a_{21} + a_{12}^2 a_{21}^2 > 0$$

$$c_1 a_{11} a_{22}^2 - c_2 a_{11} a_{22} a_{21} - c_1 a_{12} a_{22} a_{21} + a_{12} c_2 a_{21}^2 \geq 0$$

$$-3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 + a_{11}^3 a_{22}^3 > 0$$

$$3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + a_{12}^3 a_{21}^3 - a_{11}^3 a_{22}^3 > 0$$

$$-8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^2 a_{21}^2 - 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 - 56.00 \cdot$$

$$a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + a_{11}^8 a_{22}^8 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + a_{12}^8 a_{21}^8 \geq 0$$

$$8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^2 a_{21}^2 + 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 + 56.00 \cdot$$

$$a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - a_{11}^8 a_{22}^8 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - a_{12}^8 a_{21}^8 > 0$$

pot #30:

symbol a_{12} : $(-inf, 0.0]$

symbol c_1 : $(-inf, 0.0)$

symbol a_{11} : $(-0.0, inf)$

symbol a_{22} : $(-0.0, inf)$

symbol b_1 : -0.0

symbol b_2 : $[-0.0, inf)$

symbol a_{21} : $(-inf, 0.0)$

$$-c_2 a_{11} + c_1 a_{12} > 0$$

$$a_{11} a_{22} - a_{12} a_{21} > 0$$

$$c_1 a_{22} - c_2 a_{21} > 0$$

$$3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + a_{12}^3 a_{21}^3 - a_{11}^3 a_{22}^3 \geq 0$$

$$a_{11}^2 a_{22}^2 - 2.00 \cdot a_{12} a_{11} a_{22} a_{21} + a_{12}^2 a_{21}^2 > 0$$

$$c_1 a_{11} a_{22}^2 - c_2 a_{11} a_{22} a_{21} - c_1 a_{12} a_{22} a_{21} + a_{12} c_2 a_{21}^2 \geq 0$$

$$-3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 + a_{11}^3 a_{22}^3 > 0$$

$$3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + a_{12}^3 a_{21}^3 - a_{11}^3 a_{22}^3 > 0$$

$$8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^2 a_{21}^2 + 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 + 56.00 \cdot$$

$$a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - a_{11}^8 a_{22}^8 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - a_{12}^8 a_{21}^8 \geq 0$$

$$8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^2 a_{21}^2 + 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 + 56.00 \cdot$$

$$a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - a_{11}^8 a_{22}^8 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - a_{12}^8 a_{21}^8 > 0$$

pot #31:

symbol a_{12} : $(-inf, 0.0]$

symbol c_1 : $(-inf, 0.0)$

symbol a_{11} : $(-0.0, inf)$

symbol a_{22} : $(-0.0, inf)$

symbol b_1 : -0.0

symbol b_2 : $[-0.0, inf)$

symbol a_{21} : $(-inf, 0.0)$

$$-c_2 a_{11} + c_1 a_{12} > 0$$

$$\begin{aligned}
& a_{11}a_{22} - a_{12}a_{21} > 0 \\
& c_1a_{22} - c_2a_{21} > 0 \\
& 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} - 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 + a_{12}^3a_{21}^3 - a_{11}^3a_{22}^3 \geq 0 \\
& a_{11}^2a_{22}^2 - 2.00 \cdot a_{12}a_{11}a_{22}a_{21} + a_{12}^2a_{21}^2 > 0 \\
& c_1a_{11}a_{22}^2 - c_2a_{11}a_{22}a_{21} - c_1a_{12}a_{22}a_{21} + a_{12}c_2a_{21}^2 \geq 0 \\
& -3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} + 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 - a_{12}^3a_{21}^3 + a_{11}^3a_{22}^3 > 0 \\
& 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} - 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 + a_{12}^3a_{21}^3 - a_{11}^3a_{22}^3 > 0 \\
& -8.00 \cdot a_{12}a_{11}^7a_{22}^7a_{21} + 28.00 \cdot a_{12}^2a_{11}^6a_{22}^6a_{21}^2 - 56.00 \cdot a_{12}^3a_{11}^5a_{22}^5a_{21}^3 + 70.00 \cdot a_{12}^4a_{11}^4a_{22}^4a_{21}^4 - 56.00 \cdot \\
& a_{12}^5a_{11}^3a_{22}^3a_{21}^5 + a_{11}^8a_{22}^8 + 28.00 \cdot a_{12}^6a_{11}^2a_{22}^2a_{21}^6 - 8.00 \cdot a_{12}^7a_{11}a_{22}a_{21}^7 + a_{12}^8a_{21}^8 \geq 0 \\
& -8.00 \cdot a_{12}a_{11}^7a_{22}^7a_{21} + 28.00 \cdot a_{12}^2a_{11}^6a_{22}^6a_{21}^2 - 56.00 \cdot a_{12}^3a_{11}^5a_{22}^5a_{21}^3 + 70.00 \cdot a_{12}^4a_{11}^4a_{22}^4a_{21}^4 - 56.00 \cdot \\
& a_{12}^5a_{11}^3a_{22}^3a_{21}^5 + a_{11}^8a_{22}^8 + 28.00 \cdot a_{12}^6a_{11}^2a_{22}^2a_{21}^6 - 8.00 \cdot a_{12}^7a_{11}a_{22}a_{21}^7 + a_{12}^8a_{21}^8 > 0
\end{aligned}$$

pot #32:

symbol a_{12} : $(-\inf, 0.0]$

symbol c_1 : $(-\inf, 0.0)$

symbol a_{11} : $(-0.0, \inf)$

symbol a_{22} : $(-0.0, \inf)$

symbol b_1 : $[-0.0, \inf)$

symbol b_2 : $[-0.0, \inf)$

symbol a_{21} : $(-\inf, 0.0)$

$$-c_2a_{11} + c_1a_{12} > 0$$

$$a_{11}a_{22} - a_{12}a_{21} > 0$$

$$c_1a_{22} - c_2a_{21} > 0$$

$$3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} - 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 + a_{12}^3a_{21}^3 - a_{11}^3a_{22}^3 \geq 0$$

$$a_{11}^2a_{22}^2 - 2.00 \cdot a_{12}a_{11}a_{22}a_{21} + a_{12}^2a_{21}^2 > 0$$

$$c_1a_{11}a_{22}^2 - c_2a_{11}a_{22}a_{21} - c_1a_{12}a_{22}a_{21} + a_{12}c_2a_{21}^2 \geq 0$$

$$-3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} + 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 - a_{12}^3a_{21}^3 + a_{11}^3a_{22}^3 > 0$$

$$-a_{11}^3a_{22}^3 + 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} - 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 + a_{12}^3a_{21}^3 > 0$$

$$8.00 \cdot a_{12}a_{11}^7a_{22}^7a_{21} - 28.00 \cdot a_{12}^2a_{11}^6a_{22}^6a_{21}^2 + 56.00 \cdot a_{12}^3a_{11}^5a_{22}^5a_{21}^3 - 70.00 \cdot a_{12}^4a_{11}^4a_{22}^4a_{21}^4 + 56.00 \cdot$$

$$a_{12}^5a_{11}^3a_{22}^3a_{21}^5 - a_{11}^8a_{22}^8 - 28.00 \cdot a_{12}^6a_{11}^2a_{22}^2a_{21}^6 + 8.00 \cdot a_{12}^7a_{11}a_{22}a_{21}^7 - a_{12}^8a_{21}^8 \geq 0$$

$$-8.00 \cdot a_{12}a_{11}^7a_{22}^7a_{21} + 28.00 \cdot a_{12}^2a_{11}^6a_{22}^6a_{21}^2 - 56.00 \cdot a_{12}^3a_{11}^5a_{22}^5a_{21}^3 + 70.00 \cdot a_{12}^4a_{11}^4a_{22}^4a_{21}^4 - 56.00 \cdot$$

$$a_{12}^5a_{11}^3a_{22}^3a_{21}^5 + a_{11}^8a_{22}^8 + 28.00 \cdot a_{12}^6a_{11}^2a_{22}^2a_{21}^6 - 8.00 \cdot a_{12}^7a_{11}a_{22}a_{21}^7 + a_{12}^8a_{21}^8 > 0$$

pot #33:

symbol a_{12} : $(-\inf, 0.0]$

symbol c_1 : $(-\inf, 0.0)$

symbol a_{11} : $(-0.0, \inf)$

symbol a_{22} : $(-0.0, \inf)$

symbol b_1 : $[-0.0, \inf)$

symbol b_2 : $[-0.0, \inf)$

symbol a_{21} : $(-\inf, 0.0)$

$$-c_2a_{11} + c_1a_{12} > 0$$

$$a_{11}a_{22} - a_{12}a_{21} > 0$$

$$c_1a_{22} - c_2a_{21} > 0$$

$$3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} - 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 + a_{12}^3a_{21}^3 - a_{11}^3a_{22}^3 \geq 0$$

$$a_{11}^2a_{22}^2 - 2.00 \cdot a_{12}a_{11}a_{22}a_{21} + a_{12}^2a_{21}^2 > 0$$

$$c_1a_{11}a_{22}^2 - c_2a_{11}a_{22}a_{21} - c_1a_{12}a_{22}a_{21} + a_{12}c_2a_{21}^2 \geq 0$$

$$-3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} + 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 - a_{12}^3a_{21}^3 + a_{11}^3a_{22}^3 > 0$$

$$-a_{11}^3a_{22}^3 + 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} - 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 + a_{12}^3a_{21}^3 > 0$$

$$-8.00 \cdot a_{12}a_{11}^7a_{22}^7a_{21} + 28.00 \cdot a_{12}^2a_{11}^6a_{22}^6a_{21}^2 - 56.00 \cdot a_{12}^3a_{11}^5a_{22}^5a_{21}^3 + 70.00 \cdot a_{12}^4a_{11}^4a_{22}^4a_{21}^4 - 56.00 \cdot$$

$$a_{12}^5a_{11}^3a_{22}^3a_{21}^5 + a_{11}^8a_{22}^8 + 28.00 \cdot a_{12}^6a_{11}^2a_{22}^2a_{21}^6 - 8.00 \cdot a_{12}^7a_{11}a_{22}a_{21}^7 + a_{12}^8a_{21}^8 \geq 0$$

$$8.00 \cdot a_{12}a_{11}^7a_{22}^7a_{21} - 28.00 \cdot a_{12}^2a_{11}^6a_{22}^6a_{21}^2 + 56.00 \cdot a_{12}^3a_{11}^5a_{22}^5a_{21}^3 - 70.00 \cdot a_{12}^4a_{11}^4a_{22}^4a_{21}^4 + 56.00 \cdot$$

$$a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - a_{11}^8 a_{22}^8 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - a_{12}^8 a_{21}^8 > 0$$

pot #34:

symbol a_{12} : $(-inf, 0.0]$

symbol c_1 : $(-inf, 0.0)$

symbol a_{11} : $(-0.0, inf)$

symbol a_{22} : $(-0.0, inf)$

symbol b_1 : -0.0

symbol b_2 : $[-0.0, inf)$

symbol a_{21} : $(-inf, 0.0)$

$$-c_2 a_{11} + c_1 a_{12} > 0$$

$$a_{11} a_{22} - a_{12} a_{21} > 0$$

$$c_1 a_{22} - c_2 a_{21} > 0$$

$$3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + a_{12}^3 a_{21}^3 - a_{11}^3 a_{22}^3 \geq 0$$

$$a_{11}^2 a_{22}^2 - 2.00 \cdot a_{12} a_{11} a_{22} a_{21} + a_{12}^2 a_{21}^2 > 0$$

$$c_1 a_{11} a_{22}^2 - c_2 a_{11} a_{22} a_{21} - c_1 a_{12} a_{22} a_{21} + a_{12} c_2 a_{21}^2 \geq 0$$

$$-3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 + a_{11}^3 a_{22}^3 > 0$$

$$-a_{11}^3 a_{22}^3 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + a_{12}^3 a_{21}^3 > 0$$

$$8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 + 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - a_{11}^8 a_{22}^8 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - a_{12}^8 a_{21}^8 \geq 0$$

$$8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 + 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - a_{11}^8 a_{22}^8 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - a_{12}^8 a_{21}^8 > 0$$

pot #35:

symbol a_{12} : $(-inf, 0.0]$

symbol c_1 : $(-inf, 0.0)$

symbol a_{11} : $(-0.0, inf)$

symbol a_{22} : $(-0.0, inf)$

symbol b_1 : -0.0

symbol b_2 : $[-0.0, inf)$

symbol a_{21} : $(-inf, 0.0)$

$$-c_2 a_{11} + c_1 a_{12} > 0$$

$$a_{11} a_{22} - a_{12} a_{21} > 0$$

$$c_1 a_{22} - c_2 a_{21} > 0$$

$$3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + a_{12}^3 a_{21}^3 - a_{11}^3 a_{22}^3 \geq 0$$

$$a_{11}^2 a_{22}^2 - 2.00 \cdot a_{12} a_{11} a_{22} a_{21} + a_{12}^2 a_{21}^2 > 0$$

$$c_1 a_{11} a_{22}^2 - c_2 a_{11} a_{22} a_{21} - c_1 a_{12} a_{22} a_{21} + a_{12} c_2 a_{21}^2 \geq 0$$

$$-3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 + a_{11}^3 a_{22}^3 > 0$$

$$-a_{11}^3 a_{22}^3 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + a_{12}^3 a_{21}^3 > 0$$

$$-8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 - 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + a_{11}^8 a_{22}^8 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + a_{12}^8 a_{21}^8 \geq 0$$

$$-8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 - 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + a_{11}^8 a_{22}^8 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + a_{12}^8 a_{21}^8 > 0$$

pot #36:

symbol a_{12} : $(-inf, 0.0]$

symbol c_1 : $(-inf, 0.0)$

symbol a_{11} : $(-0.0, inf)$

symbol a_{22} : $(-0.0, inf)$

symbol b_1 : $[-0.0, inf)$

symbol b_2 : $[-0.0, inf)$

symbol a_{21} : $(-inf, 0.0)$

$$-c_2 a_{11} + c_1 a_{12} > 0$$

$a_{11}a_{22} - a_{12}a_{21} > 0$
 $c_1a_{22} - c_2a_{21} > 0$
 $3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} - 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 + a_{12}^3a_{21}^3 - a_{11}^3a_{22}^3 \geq 0$
 $a_{11}^2a_{22}^2 - 2.00 \cdot a_{12}a_{11}a_{22}a_{21} + a_{12}^2a_{21}^2 > 0$
 $c_1a_{11}a_{22}^2 - c_2a_{11}a_{22}a_{21} - c_1a_{12}a_{22}a_{21} + a_{12}c_2a_{21}^2 \geq 0$
 $3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} - 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 + a_{12}^3a_{21}^3 - a_{11}^3a_{22}^3 > 0$
 $-3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} + 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 - a_{12}^3a_{21}^3 + a_{11}^3a_{22}^3 \geq 0$
 $a_{11}^3a_{22}^3 - 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} + 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 - a_{12}^3a_{21}^3 > 0$
 pot #37:
 symbol $a_{12} : (-inf, 0.0]$
 symbol $c_1 : (-inf, 0.0)$
 symbol $a_{11} : (-0.0, inf)$
 symbol $a_{22} : (-0.0, inf)$
 symbol $b_1 : [-0.0, inf)$
 symbol $b_2 : [-0.0, inf)$
 symbol $a_{21} : (-inf, 0.0)$
 $-c_2a_{11} + c_1a_{12} > 0$
 $a_{11}a_{22} - a_{12}a_{21} > 0$
 $c_1a_{22} - c_2a_{21} > 0$
 $3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} - 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 + a_{12}^3a_{21}^3 - a_{11}^3a_{22}^3 \geq 0$
 $a_{11}^2a_{22}^2 - 2.00 \cdot a_{12}a_{11}a_{22}a_{21} + a_{12}^2a_{21}^2 > 0$
 $c_1a_{11}a_{22}^2 - c_2a_{11}a_{22}a_{21} - c_1a_{12}a_{22}a_{21} + a_{12}c_2a_{21}^2 \geq 0$
 $3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} - 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 + a_{12}^3a_{21}^3 - a_{11}^3a_{22}^3 > 0$
 pot #38:
 symbol $a_{12} : (-inf, 0.0]$
 symbol $c_1 : (-inf, 0.0)$
 symbol $a_{11} : (-0.0, inf)$
 symbol $a_{22} : (-0.0, inf)$
 symbol $b_1 : [-0.0, inf)$
 symbol $b_2 : [-0.0, inf)$
 symbol $a_{21} : (-inf, 0.0)$
 $-c_2a_{11} + c_1a_{12} > 0$
 $a_{11}a_{22} - a_{12}a_{21} > 0$
 $c_1a_{22} - c_2a_{21} > 0$
 $3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} - 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 + a_{12}^3a_{21}^3 - a_{11}^3a_{22}^3 \geq 0$
 $a_{11}^2a_{22}^2 - 2.00 \cdot a_{12}a_{11}a_{22}a_{21} + a_{12}^2a_{21}^2 > 0$
 $c_1a_{11}a_{22}^2 - c_2a_{11}a_{22}a_{21} - c_1a_{12}a_{22}a_{21} + a_{12}c_2a_{21}^2 \geq 0$
 $-3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} + 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 - a_{12}^3a_{21}^3 + a_{11}^3a_{22}^3 > 0$
 $-3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} + 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 - a_{12}^3a_{21}^3 + a_{11}^3a_{22}^3 \geq 0$
 pot #39:
 symbol $a_{12} : (-inf, 0.0]$
 symbol $c_1 : (-inf, 0.0)$
 symbol $a_{11} : (-0.0, inf)$
 symbol $a_{22} : (-0.0, inf)$
 symbol $b_1 : [-0.0, inf)$
 symbol $b_2 : [-0.0, inf)$
 symbol $a_{21} : (-inf, 0.0)$
 $-c_2a_{11} + c_1a_{12} > 0$
 $a_{11}a_{22} - a_{12}a_{21} > 0$
 $c_1a_{22} - c_2a_{21} > 0$

$$3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} - 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 + a_{12}^3a_{21}^3 - a_{11}^3a_{22}^3 \geq 0$$

$$a_{11}^2a_{22}^2 - 2.00 \cdot a_{12}a_{11}a_{22}a_{21} + a_{12}^2a_{21}^2 > 0$$

$$c_1a_{11}a_{22}^2 - c_2a_{11}a_{22}a_{21} - c_1a_{12}a_{22}a_{21} + a_{12}c_2a_{21}^2 \geq 0$$

$$-3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} + 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 - a_{12}^3a_{21}^3 + a_{11}^3a_{22}^3 > 0$$

$$-a_{11}^3a_{22}^3 + 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} - 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 + a_{12}^3a_{21}^3 > 0$$

pot #40:

symbol a_{12} : $(-inf, 0.0]$

symbol c_1 : $(-inf, 0.0)$

symbol a_{11} : $(-0.0, inf)$

symbol a_{22} : $(-0.0, inf)$

symbol b_1 : $[-0.0, inf)$

symbol b_2 : $[-0.0, inf)$

symbol a_{21} : $(-inf, 0.0)$

$$-c_2a_{11} + c_1a_{12} > 0$$

$$a_{11}a_{22} - a_{12}a_{21} > 0$$

$$c_1a_{22} - c_2a_{21} > 0$$

$$-3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} + 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 - a_{12}^3a_{21}^3 + a_{11}^3a_{22}^3 \geq 0$$

$$-a_{11}^2a_{22}^2 + 2.00 \cdot a_{12}a_{11}a_{22}a_{21} - a_{12}^2a_{21}^2 > 0$$

$$c_1a_{11}a_{22}^2 - c_2a_{11}a_{22}a_{21} - c_1a_{12}a_{22}a_{21} + a_{12}c_2a_{21}^2 \geq 0$$

$$3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} - 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 + a_{12}^3a_{21}^3 - a_{11}^3a_{22}^3 > 0$$

$$a_{11}^3a_{22}^3 - 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} + 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 - a_{12}^3a_{21}^3 > 0$$

$$8.00 \cdot a_{12}a_{11}^7a_{22}^7a_{21} - 28.00 \cdot a_{12}^2a_{11}^6a_{22}^6a_{21}^2 + 56.00 \cdot a_{12}^3a_{11}^5a_{22}^5a_{21}^3 - 70.00 \cdot a_{12}^4a_{11}^4a_{22}^4a_{21}^4 + 56.00 \cdot$$

$$a_{12}^5a_{11}^3a_{22}^3a_{21}^5 - a_{11}^8a_{22}^8 - 28.00 \cdot a_{12}^6a_{11}^2a_{22}^2a_{21}^6 + 8.00 \cdot a_{12}^7a_{11}a_{22}a_{21}^7 - a_{12}^8a_{21}^8 \geq 0$$

$$-8.00 \cdot a_{12}a_{11}^7a_{22}^7a_{21} + 28.00 \cdot a_{12}^2a_{11}^6a_{22}^6a_{21}^2 - 56.00 \cdot a_{12}^3a_{11}^5a_{22}^5a_{21}^3 + 70.00 \cdot a_{12}^4a_{11}^4a_{22}^4a_{21}^4 - 56.00 \cdot$$

$$a_{12}^5a_{11}^3a_{22}^3a_{21}^5 + a_{11}^8a_{22}^8 + 28.00 \cdot a_{12}^6a_{11}^2a_{22}^2a_{21}^6 - 8.00 \cdot a_{12}^7a_{11}a_{22}a_{21}^7 + a_{12}^8a_{21}^8 > 0$$

pot #41:

symbol a_{12} : $(-inf, 0.0]$

symbol c_1 : $(-inf, 0.0)$

symbol a_{11} : $(-0.0, inf)$

symbol a_{22} : $(-0.0, inf)$

symbol b_1 : $[-0.0, inf)$

symbol b_2 : $[-0.0, inf)$

symbol a_{21} : $(-inf, 0.0)$

$$-c_2a_{11} + c_1a_{12} > 0$$

$$a_{11}a_{22} - a_{12}a_{21} > 0$$

$$c_1a_{22} - c_2a_{21} > 0$$

$$-3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} + 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 - a_{12}^3a_{21}^3 + a_{11}^3a_{22}^3 \geq 0$$

$$-a_{11}^2a_{22}^2 + 2.00 \cdot a_{12}a_{11}a_{22}a_{21} - a_{12}^2a_{21}^2 > 0$$

$$c_1a_{11}a_{22}^2 - c_2a_{11}a_{22}a_{21} - c_1a_{12}a_{22}a_{21} + a_{12}c_2a_{21}^2 \geq 0$$

$$3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} - 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 + a_{12}^3a_{21}^3 - a_{11}^3a_{22}^3 > 0$$

$$a_{11}^3a_{22}^3 - 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} + 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 - a_{12}^3a_{21}^3 > 0$$

$$-8.00 \cdot a_{12}a_{11}^7a_{22}^7a_{21} + 28.00 \cdot a_{12}^2a_{11}^6a_{22}^6a_{21}^2 - 56.00 \cdot a_{12}^3a_{11}^5a_{22}^5a_{21}^3 + 70.00 \cdot a_{12}^4a_{11}^4a_{22}^4a_{21}^4 - 56.00 \cdot$$

$$a_{12}^5a_{11}^3a_{22}^3a_{21}^5 + a_{11}^8a_{22}^8 + 28.00 \cdot a_{12}^6a_{11}^2a_{22}^2a_{21}^6 - 8.00 \cdot a_{12}^7a_{11}a_{22}a_{21}^7 + a_{12}^8a_{21}^8 \geq 0$$

$$8.00 \cdot a_{12}a_{11}^7a_{22}^7a_{21} - 28.00 \cdot a_{12}^2a_{11}^6a_{22}^6a_{21}^2 + 56.00 \cdot a_{12}^3a_{11}^5a_{22}^5a_{21}^3 - 70.00 \cdot a_{12}^4a_{11}^4a_{22}^4a_{21}^4 + 56.00 \cdot$$

$$a_{12}^5a_{11}^3a_{22}^3a_{21}^5 - a_{11}^8a_{22}^8 - 28.00 \cdot a_{12}^6a_{11}^2a_{22}^2a_{21}^6 + 8.00 \cdot a_{12}^7a_{11}a_{22}a_{21}^7 - a_{12}^8a_{21}^8 > 0$$

pot #42:

symbol a_{12} : $(-inf, 0.0]$

symbol c_1 : $(-inf, 0.0)$

symbol a_{11} : $(-0.0, inf)$

symbol a_{22} : $(-0.0, inf)$

symbol $b_1 : -0.0$

symbol $b_2 : [-0.0, inf)$

symbol $a_{21} : (-inf, 0.0)$

$$-c_2 a_{11} + c_1 a_{12} > 0$$

$$a_{11} a_{22} - a_{12} a_{21} > 0$$

$$c_1 a_{22} - c_2 a_{21} > 0$$

$$-3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 + a_{11}^3 a_{22}^3 \geq 0$$

$$-a_{11}^2 a_{22}^2 + 2.00 \cdot a_{12} a_{11} a_{22} a_{21} - a_{12}^2 a_{21}^2 > 0$$

$$c_1 a_{11} a_{22}^2 - c_2 a_{11} a_{22} a_{21} - c_1 a_{12} a_{22} a_{21} + a_{12} c_2 a_{21}^2 \geq 0$$

$$3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + a_{12}^3 a_{21}^3 - a_{11}^3 a_{22}^3 > 0$$

$$a_{11}^3 a_{22}^3 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 > 0$$

$$8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 + 56.00 \cdot$$

$$a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - a_{11}^8 a_{22}^8 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - a_{12}^8 a_{21}^8 \geq 0$$

$$8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 + 56.00 \cdot$$

$$a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - a_{11}^8 a_{22}^8 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - a_{12}^8 a_{21}^8 > 0$$

pot #43:

symbol $a_{12} : (-inf, 0.0]$

symbol $c_1 : (-inf, 0.0)$

symbol $a_{11} : (-0.0, inf)$

symbol $a_{22} : (-0.0, inf)$

symbol $b_1 : -0.0$

symbol $b_2 : [-0.0, inf)$

symbol $a_{21} : (-inf, 0.0)$

$$-c_2 a_{11} + c_1 a_{12} > 0$$

$$a_{11} a_{22} - a_{12} a_{21} > 0$$

$$c_1 a_{22} - c_2 a_{21} > 0$$

$$-3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 + a_{11}^3 a_{22}^3 \geq 0$$

$$-a_{11}^2 a_{22}^2 + 2.00 \cdot a_{12} a_{11} a_{22} a_{21} - a_{12}^2 a_{21}^2 > 0$$

$$c_1 a_{11} a_{22}^2 - c_2 a_{11} a_{22} a_{21} - c_1 a_{12} a_{22} a_{21} + a_{12} c_2 a_{21}^2 \geq 0$$

$$3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + a_{12}^3 a_{21}^3 - a_{11}^3 a_{22}^3 > 0$$

$$a_{11}^3 a_{22}^3 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 > 0$$

$$-8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 - 56.00 \cdot$$

$$a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + a_{11}^8 a_{22}^8 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + a_{12}^8 a_{21}^8 \geq 0$$

$$-8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 - 56.00 \cdot$$

$$a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + a_{11}^8 a_{22}^8 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + a_{12}^8 a_{21}^8 > 0$$

pot #44:

symbol $a_{12} : (-inf, 0.0]$

symbol $c_1 : (-inf, 0.0)$

symbol $a_{11} : (-0.0, inf)$

symbol $a_{22} : (-0.0, inf)$

symbol $b_1 : [-0.0, inf)$

symbol $b_2 : [-0.0, inf)$

symbol $a_{21} : (-inf, 0.0)$

$$-c_2 a_{11} + c_1 a_{12} > 0$$

$$a_{11} a_{22} - a_{12} a_{21} > 0$$

$$c_1 a_{22} - c_2 a_{21} > 0$$

$$-3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 + a_{11}^3 a_{22}^3 \geq 0$$

$$-a_{11}^2 a_{22}^2 + 2.00 \cdot a_{12} a_{11} a_{22} a_{21} - a_{12}^2 a_{21}^2 > 0$$

$$c_1 a_{11} a_{22}^2 - c_2 a_{11} a_{22} a_{21} - c_1 a_{12} a_{22} a_{21} + a_{12} c_2 a_{21}^2 \geq 0$$

$$3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + a_{12}^3 a_{21}^3 - a_{11}^3 a_{22}^3 > 0$$

$$\begin{aligned}
& -3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} + 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 - a_{12}^3a_{21}^3 + a_{11}^3a_{22}^3 > 0 \\
& 8.00 \cdot a_{12}a_{11}^7a_{22}^7a_{21} - 28.00 \cdot a_{12}^2a_{11}^6a_{22}^6a_{21}^2 + 56.00 \cdot a_{12}^3a_{11}^5a_{22}^5a_{21}^3 - 70.00 \cdot a_{12}^4a_{11}^4a_{22}^4a_{21}^4 + 56.00 \cdot \\
& a_{12}^5a_{11}^3a_{22}^3a_{21}^5 - a_{11}^8a_{22}^8 - 28.00 \cdot a_{12}^6a_{11}^2a_{22}^2a_{21}^6 + 8.00 \cdot a_{12}^7a_{11}a_{22}a_{21}^7 - a_{12}^8a_{21}^8 \geq 0 \\
& -8.00 \cdot a_{12}a_{11}^7a_{22}^7a_{21} + 28.00 \cdot a_{12}^2a_{11}^6a_{22}^6a_{21}^2 - 56.00 \cdot a_{12}^3a_{11}^5a_{22}^5a_{21}^3 + 70.00 \cdot a_{12}^4a_{11}^4a_{22}^4a_{21}^4 - 56.00 \cdot \\
& a_{12}^5a_{11}^3a_{22}^3a_{21}^5 + a_{11}^8a_{22}^8 + 28.00 \cdot a_{12}^6a_{11}^2a_{22}^2a_{21}^6 - 8.00 \cdot a_{12}^7a_{11}a_{22}a_{21}^7 + a_{12}^8a_{21}^8 > 0
\end{aligned}$$

pot #45:

symbol a_{12} : $(-inf, 0.0]$

symbol c_1 : $(-inf, 0.0)$

symbol a_{11} : $(-0.0, inf)$

symbol a_{22} : $(-0.0, inf)$

symbol b_1 : $[-0.0, inf)$

symbol b_2 : $[-0.0, inf)$

symbol a_{21} : $(-inf, 0.0)$

$$-c_2a_{11} + c_1a_{12} > 0$$

$$a_{11}a_{22} - a_{12}a_{21} > 0$$

$$c_1a_{22} - c_2a_{21} > 0$$

$$-3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} + 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 - a_{12}^3a_{21}^3 + a_{11}^3a_{22}^3 \geq 0$$

$$-a_{11}^2a_{22}^2 + 2.00 \cdot a_{12}a_{11}a_{22}a_{21} - a_{12}^2a_{21}^2 > 0$$

$$c_1a_{11}a_{22}^2 - c_2a_{11}a_{22}a_{21} - c_1a_{12}a_{22}a_{21} + a_{12}c_2a_{21}^2 \geq 0$$

$$3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} - 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 + a_{12}^3a_{21}^3 - a_{11}^3a_{22}^3 > 0$$

$$-3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} + 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 - a_{12}^3a_{21}^3 + a_{11}^3a_{22}^3 > 0$$

$$-8.00 \cdot a_{12}a_{11}^7a_{22}^7a_{21} + 28.00 \cdot a_{12}^2a_{11}^6a_{22}^6a_{21}^2 - 56.00 \cdot a_{12}^3a_{11}^5a_{22}^5a_{21}^3 + 70.00 \cdot a_{12}^4a_{11}^4a_{22}^4a_{21}^4 - 56.00 \cdot$$

$$a_{12}^5a_{11}^3a_{22}^3a_{21}^5 + a_{11}^8a_{22}^8 + 28.00 \cdot a_{12}^6a_{11}^2a_{22}^2a_{21}^6 - 8.00 \cdot a_{12}^7a_{11}a_{22}a_{21}^7 + a_{12}^8a_{21}^8 \geq 0$$

$$8.00 \cdot a_{12}a_{11}^7a_{22}^7a_{21} - 28.00 \cdot a_{12}^2a_{11}^6a_{22}^6a_{21}^2 + 56.00 \cdot a_{12}^3a_{11}^5a_{22}^5a_{21}^3 - 70.00 \cdot a_{12}^4a_{11}^4a_{22}^4a_{21}^4 + 56.00 \cdot$$

$$a_{12}^5a_{11}^3a_{22}^3a_{21}^5 - a_{11}^8a_{22}^8 - 28.00 \cdot a_{12}^6a_{11}^2a_{22}^2a_{21}^6 + 8.00 \cdot a_{12}^7a_{11}a_{22}a_{21}^7 - a_{12}^8a_{21}^8 > 0$$

pot #46:

symbol a_{12} : $(-inf, 0.0]$

symbol c_1 : $(-inf, 0.0)$

symbol a_{11} : $(-0.0, inf)$

symbol a_{22} : $(-0.0, inf)$

symbol b_1 : -0.0

symbol b_2 : $[-0.0, inf)$

symbol a_{21} : $(-inf, 0.0)$

$$-c_2a_{11} + c_1a_{12} > 0$$

$$a_{11}a_{22} - a_{12}a_{21} > 0$$

$$c_1a_{22} - c_2a_{21} > 0$$

$$-3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} + 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 - a_{12}^3a_{21}^3 + a_{11}^3a_{22}^3 \geq 0$$

$$-a_{11}^2a_{22}^2 + 2.00 \cdot a_{12}a_{11}a_{22}a_{21} - a_{12}^2a_{21}^2 > 0$$

$$c_1a_{11}a_{22}^2 - c_2a_{11}a_{22}a_{21} - c_1a_{12}a_{22}a_{21} + a_{12}c_2a_{21}^2 \geq 0$$

$$3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} - 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 + a_{12}^3a_{21}^3 - a_{11}^3a_{22}^3 > 0$$

$$-3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} + 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 - a_{12}^3a_{21}^3 + a_{11}^3a_{22}^3 > 0$$

$$8.00 \cdot a_{12}a_{11}^7a_{22}^7a_{21} - 28.00 \cdot a_{12}^2a_{11}^6a_{22}^6a_{21}^2 + 56.00 \cdot a_{12}^3a_{11}^5a_{22}^5a_{21}^3 - 70.00 \cdot a_{12}^4a_{11}^4a_{22}^4a_{21}^4 + 56.00 \cdot$$

$$a_{12}^5a_{11}^3a_{22}^3a_{21}^5 - a_{11}^8a_{22}^8 - 28.00 \cdot a_{12}^6a_{11}^2a_{22}^2a_{21}^6 + 8.00 \cdot a_{12}^7a_{11}a_{22}a_{21}^7 - a_{12}^8a_{21}^8 \geq 0$$

$$8.00 \cdot a_{12}a_{11}^7a_{22}^7a_{21} - 28.00 \cdot a_{12}^2a_{11}^6a_{22}^6a_{21}^2 + 56.00 \cdot a_{12}^3a_{11}^5a_{22}^5a_{21}^3 - 70.00 \cdot a_{12}^4a_{11}^4a_{22}^4a_{21}^4 + 56.00 \cdot$$

$$a_{12}^5a_{11}^3a_{22}^3a_{21}^5 - a_{11}^8a_{22}^8 - 28.00 \cdot a_{12}^6a_{11}^2a_{22}^2a_{21}^6 + 8.00 \cdot a_{12}^7a_{11}a_{22}a_{21}^7 - a_{12}^8a_{21}^8 > 0$$

pot #47:

symbol a_{12} : $(-inf, 0.0]$

symbol c_1 : $(-inf, 0.0)$

symbol a_{11} : $(-0.0, inf)$

symbol a_{22} : $(-0.0, inf)$

symbol $b_1 : -0.0$

symbol $b_2 : [-0.0, inf)$

symbol $a_{21} : (-inf, 0.0)$

$$-c_2 a_{11} + c_1 a_{12} > 0$$

$$a_{11} a_{22} - a_{12} a_{21} > 0$$

$$c_1 a_{22} - c_2 a_{21} > 0$$

$$-3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 + a_{11}^3 a_{22}^3 \geq 0$$

$$-a_{11}^2 a_{22}^2 + 2.00 \cdot a_{12} a_{11} a_{22} a_{21} - a_{12}^2 a_{21}^2 > 0$$

$$c_1 a_{11} a_{22}^2 - c_2 a_{11} a_{22} a_{21} - c_1 a_{12} a_{22} a_{21} + a_{12} c_2 a_{21}^2 \geq 0$$

$$3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + a_{12}^3 a_{21}^3 - a_{11}^3 a_{22}^3 > 0$$

$$-3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 + a_{11}^3 a_{22}^3 > 0$$

$$-8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 - 56.00 \cdot$$

$$a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + a_{11}^8 a_{22}^8 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + a_{12}^8 a_{21}^8 \geq 0$$

$$-8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 - 56.00 \cdot$$

$$a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + a_{11}^8 a_{22}^8 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + a_{12}^8 a_{21}^8 > 0$$

pot #48:

symbol $a_{12} : (-inf, 0.0]$

symbol $c_1 : (-inf, 0.0)$

symbol $a_{11} : (-0.0, inf)$

symbol $a_{22} : (-0.0, inf)$

symbol $b_1 : [-0.0, inf)$

symbol $b_2 : [-0.0, inf)$

symbol $a_{21} : (-inf, 0.0)$

$$-c_2 a_{11} + c_1 a_{12} > 0$$

$$a_{11} a_{22} - a_{12} a_{21} > 0$$

$$c_1 a_{22} - c_2 a_{21} > 0$$

$$-3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 + a_{11}^3 a_{22}^3 \geq 0$$

$$-a_{11}^2 a_{22}^2 + 2.00 \cdot a_{12} a_{11} a_{22} a_{21} - a_{12}^2 a_{21}^2 > 0$$

$$c_1 a_{11} a_{22}^2 - c_2 a_{11} a_{22} a_{21} - c_1 a_{12} a_{22} a_{21} + a_{12} c_2 a_{21}^2 \geq 0$$

$$-3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 + a_{11}^3 a_{22}^3 > 0$$

$$3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + a_{12}^3 a_{21}^3 - a_{11}^3 a_{22}^3 > 0$$

$$8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 + 56.00 \cdot$$

$$a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - a_{11}^8 a_{22}^8 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - a_{12}^8 a_{21}^8 \geq 0$$

$$-8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 - 56.00 \cdot$$

$$a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + a_{11}^8 a_{22}^8 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + a_{12}^8 a_{21}^8 > 0$$

pot #49:

symbol $a_{12} : (-inf, 0.0]$

symbol $c_1 : (-inf, 0.0)$

symbol $a_{11} : (-0.0, inf)$

symbol $a_{22} : (-0.0, inf)$

symbol $b_1 : [-0.0, inf)$

symbol $b_2 : [-0.0, inf)$

symbol $a_{21} : (-inf, 0.0)$

$$-c_2 a_{11} + c_1 a_{12} > 0$$

$$a_{11} a_{22} - a_{12} a_{21} > 0$$

$$c_1 a_{22} - c_2 a_{21} > 0$$

$$-3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 + a_{11}^3 a_{22}^3 \geq 0$$

$$-a_{11}^2 a_{22}^2 + 2.00 \cdot a_{12} a_{11} a_{22} a_{21} - a_{12}^2 a_{21}^2 > 0$$

$$c_1 a_{11} a_{22}^2 - c_2 a_{11} a_{22} a_{21} - c_1 a_{12} a_{22} a_{21} + a_{12} c_2 a_{21}^2 \geq 0$$

$$-3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 + a_{11}^3 a_{22}^3 > 0$$

$$\begin{aligned}
& 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} - 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 + a_{12}^3a_{21}^3 - a_{11}^3a_{22}^3 > 0 \\
& -8.00 \cdot a_{12}a_{11}^7a_{22}^7a_{21} + 28.00 \cdot a_{12}^2a_{11}^6a_{22}^6a_{21}^2 - 56.00 \cdot a_{12}^3a_{11}^5a_{22}^5a_{21}^3 + 70.00 \cdot a_{12}^4a_{11}^4a_{22}^4a_{21}^4 - 56.00 \cdot \\
& a_{12}^5a_{11}^3a_{22}^3a_{21}^5 + a_{11}^8a_{22}^8 + 28.00 \cdot a_{12}^6a_{11}^2a_{22}^2a_{21}^6 - 8.00 \cdot a_{12}^7a_{11}a_{22}a_{21}^7 + a_{12}^8a_{21}^8 \geq 0 \\
& 8.00 \cdot a_{12}a_{11}^7a_{22}^7a_{21} - 28.00 \cdot a_{12}^2a_{11}^6a_{22}^6a_{21}^2 + 56.00 \cdot a_{12}^3a_{11}^5a_{22}^5a_{21}^3 - 70.00 \cdot a_{12}^4a_{11}^4a_{22}^4a_{21}^4 + 56.00 \cdot \\
& a_{12}^5a_{11}^3a_{22}^3a_{21}^5 - a_{11}^8a_{22}^8 - 28.00 \cdot a_{12}^6a_{11}^2a_{22}^2a_{21}^6 + 8.00 \cdot a_{12}^7a_{11}a_{22}a_{21}^7 - a_{12}^8a_{21}^8 > 0
\end{aligned}$$

pot #50:

symbol a_{12} : $(-\inf, 0.0]$

symbol c_1 : $(-\inf, 0.0)$

symbol a_{11} : $(-0.0, \inf)$

symbol a_{22} : $(-0.0, \inf)$

symbol b_1 : -0.0

symbol b_2 : $[-0.0, \inf)$

symbol a_{21} : $(-\inf, 0.0)$

$$-c_2a_{11} + c_1a_{12} > 0$$

$$a_{11}a_{22} - a_{12}a_{21} > 0$$

$$c_1a_{22} - c_2a_{21} > 0$$

$$-3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} + 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 - a_{12}^3a_{21}^3 + a_{11}^3a_{22}^3 \geq 0$$

$$-a_{11}^2a_{22}^2 + 2.00 \cdot a_{12}a_{11}a_{22}a_{21} - a_{12}^2a_{21}^2 > 0$$

$$c_1a_{11}a_{22}^2 - c_2a_{11}a_{22}a_{21} - c_1a_{12}a_{22}a_{21} + a_{12}c_2a_{21}^2 \geq 0$$

$$-3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} + 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 - a_{12}^3a_{21}^3 + a_{11}^3a_{22}^3 > 0$$

$$3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} - 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 + a_{12}^3a_{21}^3 - a_{11}^3a_{22}^3 > 0$$

$$8.00 \cdot a_{12}a_{11}^7a_{22}^7a_{21} - 28.00 \cdot a_{12}^2a_{11}^6a_{22}^6a_{21}^2 + 56.00 \cdot a_{12}^3a_{11}^5a_{22}^5a_{21}^3 - 70.00 \cdot a_{12}^4a_{11}^4a_{22}^4a_{21}^4 + 56.00 \cdot$$

$$a_{12}^5a_{11}^3a_{22}^3a_{21}^5 - a_{11}^8a_{22}^8 - 28.00 \cdot a_{12}^6a_{11}^2a_{22}^2a_{21}^6 + 8.00 \cdot a_{12}^7a_{11}a_{22}a_{21}^7 - a_{12}^8a_{21}^8 \geq 0$$

$$8.00 \cdot a_{12}a_{11}^7a_{22}^7a_{21} - 28.00 \cdot a_{12}^2a_{11}^6a_{22}^6a_{21}^2 + 56.00 \cdot a_{12}^3a_{11}^5a_{22}^5a_{21}^3 - 70.00 \cdot a_{12}^4a_{11}^4a_{22}^4a_{21}^4 + 56.00 \cdot$$

$$a_{12}^5a_{11}^3a_{22}^3a_{21}^5 - a_{11}^8a_{22}^8 - 28.00 \cdot a_{12}^6a_{11}^2a_{22}^2a_{21}^6 + 8.00 \cdot a_{12}^7a_{11}a_{22}a_{21}^7 - a_{12}^8a_{21}^8 > 0$$

pot #51:

symbol a_{12} : $(-\inf, 0.0]$

symbol c_1 : $(-\inf, 0.0)$

symbol a_{11} : $(-0.0, \inf)$

symbol a_{22} : $(-0.0, \inf)$

symbol b_1 : -0.0

symbol b_2 : $[-0.0, \inf)$

symbol a_{21} : $(-\inf, 0.0)$

$$-c_2a_{11} + c_1a_{12} > 0$$

$$a_{11}a_{22} - a_{12}a_{21} > 0$$

$$c_1a_{22} - c_2a_{21} > 0$$

$$-3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} + 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 - a_{12}^3a_{21}^3 + a_{11}^3a_{22}^3 \geq 0$$

$$-a_{11}^2a_{22}^2 + 2.00 \cdot a_{12}a_{11}a_{22}a_{21} - a_{12}^2a_{21}^2 > 0$$

$$c_1a_{11}a_{22}^2 - c_2a_{11}a_{22}a_{21} - c_1a_{12}a_{22}a_{21} + a_{12}c_2a_{21}^2 \geq 0$$

$$-3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} + 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 - a_{12}^3a_{21}^3 + a_{11}^3a_{22}^3 > 0$$

$$3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} - 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 + a_{12}^3a_{21}^3 - a_{11}^3a_{22}^3 > 0$$

$$-8.00 \cdot a_{12}a_{11}^7a_{22}^7a_{21} + 28.00 \cdot a_{12}^2a_{11}^6a_{22}^6a_{21}^2 - 56.00 \cdot a_{12}^3a_{11}^5a_{22}^5a_{21}^3 + 70.00 \cdot a_{12}^4a_{11}^4a_{22}^4a_{21}^4 - 56.00 \cdot$$

$$a_{12}^5a_{11}^3a_{22}^3a_{21}^5 + a_{11}^8a_{22}^8 + 28.00 \cdot a_{12}^6a_{11}^2a_{22}^2a_{21}^6 - 8.00 \cdot a_{12}^7a_{11}a_{22}a_{21}^7 + a_{12}^8a_{21}^8 \geq 0$$

$$-8.00 \cdot a_{12}a_{11}^7a_{22}^7a_{21} + 28.00 \cdot a_{12}^2a_{11}^6a_{22}^6a_{21}^2 - 56.00 \cdot a_{12}^3a_{11}^5a_{22}^5a_{21}^3 + 70.00 \cdot a_{12}^4a_{11}^4a_{22}^4a_{21}^4 - 56.00 \cdot$$

$$a_{12}^5a_{11}^3a_{22}^3a_{21}^5 + a_{11}^8a_{22}^8 + 28.00 \cdot a_{12}^6a_{11}^2a_{22}^2a_{21}^6 - 8.00 \cdot a_{12}^7a_{11}a_{22}a_{21}^7 + a_{12}^8a_{21}^8 > 0$$

pot #52:

symbol a_{12} : $(-\inf, 0.0]$

symbol c_1 : $(-\inf, 0.0)$

symbol a_{11} : $(-0.0, \inf)$

symbol a_{22} : $(-0.0, \inf)$

symbol $b_1 : [-0.0, inf)$

symbol $b_2 : [-0.0, inf)$

symbol $a_{21} : (-inf, 0.0)$

$$-c_2 a_{11} + c_1 a_{12} > 0$$

$$a_{11} a_{22} - a_{12} a_{21} > 0$$

$$c_1 a_{22} - c_2 a_{21} > 0$$

$$-3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 + a_{11}^3 a_{22}^3 \geq 0$$

$$-a_{11}^2 a_{22}^2 + 2.00 \cdot a_{12} a_{11} a_{22} a_{21} - a_{12}^2 a_{21}^2 > 0$$

$$c_1 a_{11} a_{22}^2 - c_2 a_{11} a_{22} a_{21} - c_1 a_{12} a_{22} a_{21} + a_{12} c_2 a_{21}^2 \geq 0$$

$$-3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 + a_{11}^3 a_{22}^3 > 0$$

$$-a_{11}^3 a_{22}^3 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + a_{12}^3 a_{21}^3 > 0$$

$$8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 + 56.00 \cdot$$

$$a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - a_{11}^8 a_{22}^8 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - a_{12}^8 a_{21}^8 \geq 0$$

$$-8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 - 56.00 \cdot$$

$$a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + a_{11}^8 a_{22}^8 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + a_{12}^8 a_{21}^8 > 0$$

pot #53:

symbol $a_{12} : (-inf, 0.0]$

symbol $c_1 : (-inf, 0.0)$

symbol $a_{11} : (-0.0, inf)$

symbol $a_{22} : (-0.0, inf)$

symbol $b_1 : [-0.0, inf)$

symbol $b_2 : [-0.0, inf)$

symbol $a_{21} : (-inf, 0.0)$

$$-c_2 a_{11} + c_1 a_{12} > 0$$

$$a_{11} a_{22} - a_{12} a_{21} > 0$$

$$c_1 a_{22} - c_2 a_{21} > 0$$

$$-3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 + a_{11}^3 a_{22}^3 \geq 0$$

$$-a_{11}^2 a_{22}^2 + 2.00 \cdot a_{12} a_{11} a_{22} a_{21} - a_{12}^2 a_{21}^2 > 0$$

$$c_1 a_{11} a_{22}^2 - c_2 a_{11} a_{22} a_{21} - c_1 a_{12} a_{22} a_{21} + a_{12} c_2 a_{21}^2 \geq 0$$

$$-3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 + a_{11}^3 a_{22}^3 > 0$$

$$-a_{11}^3 a_{22}^3 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + a_{12}^3 a_{21}^3 > 0$$

$$-8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 - 56.00 \cdot$$

$$a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + a_{11}^8 a_{22}^8 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + a_{12}^8 a_{21}^8 \geq 0$$

$$8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 + 56.00 \cdot$$

$$a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - a_{11}^8 a_{22}^8 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - a_{12}^8 a_{21}^8 > 0$$

pot #54:

symbol $a_{12} : (-inf, 0.0]$

symbol $c_1 : (-inf, 0.0)$

symbol $a_{11} : (-0.0, inf)$

symbol $a_{22} : (-0.0, inf)$

symbol $b_1 : -0.0$

symbol $b_2 : [-0.0, inf)$

symbol $a_{21} : (-inf, 0.0)$

$$-c_2 a_{11} + c_1 a_{12} > 0$$

$$a_{11} a_{22} - a_{12} a_{21} > 0$$

$$c_1 a_{22} - c_2 a_{21} > 0$$

$$-3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 + a_{11}^3 a_{22}^3 \geq 0$$

$$-a_{11}^2 a_{22}^2 + 2.00 \cdot a_{12} a_{11} a_{22} a_{21} - a_{12}^2 a_{21}^2 > 0$$

$$c_1 a_{11} a_{22}^2 - c_2 a_{11} a_{22} a_{21} - c_1 a_{12} a_{22} a_{21} + a_{12} c_2 a_{21}^2 \geq 0$$

$$-3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 + a_{11}^3 a_{22}^3 > 0$$

$$\begin{aligned}
& -a_{11}^3 a_{22}^3 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + a_{12}^3 a_{21}^3 > 0 \\
& 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 + 56.00 \cdot \\
& a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - a_{11}^8 a_{22}^8 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - a_{12}^8 a_{21}^8 \geq 0 \\
& 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 + 56.00 \cdot \\
& a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - a_{11}^8 a_{22}^8 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - a_{12}^8 a_{21}^8 > 0
\end{aligned}$$

pot #55:

symbol a_{12} : $(-inf, 0.0]$

symbol c_1 : $(-inf, 0.0)$

symbol a_{11} : $(-0.0, inf)$

symbol a_{22} : $(-0.0, inf)$

symbol b_1 : -0.0

symbol b_2 : $[-0.0, inf)$

symbol a_{21} : $(-inf, 0.0)$

$$-c_2 a_{11} + c_1 a_{12} > 0$$

$$a_{11} a_{22} - a_{12} a_{21} > 0$$

$$c_1 a_{22} - c_2 a_{21} > 0$$

$$-3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 + a_{11}^3 a_{22}^3 \geq 0$$

$$-a_{11}^2 a_{22}^2 + 2.00 \cdot a_{12} a_{11} a_{22} a_{21} - a_{12}^2 a_{21}^2 > 0$$

$$c_1 a_{11} a_{22}^2 - c_2 a_{11} a_{22} a_{21} - c_1 a_{12} a_{22} a_{21} + a_{12} c_2 a_{21}^2 \geq 0$$

$$-3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 + a_{11}^3 a_{22}^3 > 0$$

$$-a_{11}^3 a_{22}^3 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + a_{12}^3 a_{21}^3 > 0$$

$$-8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 - 56.00 \cdot$$

$$a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + a_{11}^8 a_{22}^8 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + a_{12}^8 a_{21}^8 \geq 0$$

$$-8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 - 56.00 \cdot$$

$$a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + a_{11}^8 a_{22}^8 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + a_{12}^8 a_{21}^8 > 0$$

pot #56:

symbol a_{12} : $(-inf, 0.0]$

symbol c_1 : $(-inf, 0.0)$

symbol a_{11} : $(-0.0, inf)$

symbol a_{22} : $(-0.0, inf)$

symbol b_1 : $[-0.0, inf)$

symbol b_2 : $[-0.0, inf)$

symbol a_{21} : $(-inf, 0.0)$

$$-c_2 a_{11} + c_1 a_{12} > 0$$

$$a_{11} a_{22} - a_{12} a_{21} > 0$$

$$c_1 a_{22} - c_2 a_{21} > 0$$

$$-3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 + a_{11}^3 a_{22}^3 \geq 0$$

$$-a_{11}^2 a_{22}^2 + 2.00 \cdot a_{12} a_{11} a_{22} a_{21} - a_{12}^2 a_{21}^2 > 0$$

$$c_1 a_{11} a_{22}^2 - c_2 a_{11} a_{22} a_{21} - c_1 a_{12} a_{22} a_{21} + a_{12} c_2 a_{21}^2 \geq 0$$

$$3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + a_{12}^3 a_{21}^3 - a_{11}^3 a_{22}^3 > 0$$

$$a_{11}^3 a_{22}^3 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 > 0$$

pot #57:

symbol a_{12} : $(-inf, 0.0]$

symbol c_1 : $(-inf, 0.0)$

symbol a_{11} : $(-0.0, inf)$

symbol a_{22} : $(-0.0, inf)$

symbol b_1 : $[-0.0, inf)$

symbol b_2 : $[-0.0, inf)$

symbol a_{21} : $(-inf, 0.0)$

$$-c_2 a_{11} + c_1 a_{12} > 0$$

$a_{11}a_{22} - a_{12}a_{21} > 0$
 $c_1a_{22} - c_2a_{21} > 0$
 $-3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} + 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 - a_{12}^3a_{21}^3 + a_{11}^3a_{22}^3 \geq 0$
 $-a_{11}^2a_{22}^2 + 2.00 \cdot a_{12}a_{11}a_{22}a_{21} - a_{12}^2a_{21}^2 > 0$
 $c_1a_{11}a_{22}^2 - c_2a_{11}a_{22}a_{21} - c_1a_{12}a_{22}a_{21} + a_{12}c_2a_{21}^2 \geq 0$
 $3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} - 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 + a_{12}^3a_{21}^3 - a_{11}^3a_{22}^3 > 0$
 $3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} - 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 + a_{12}^3a_{21}^3 - a_{11}^3a_{22}^3 \geq 0$
 pot #58:
 symbol $a_{12} : (-inf, 0.0]$
 symbol $c_1 : (-inf, 0.0)$
 symbol $a_{11} : (-0.0, inf)$
 symbol $a_{22} : (-0.0, inf)$
 symbol $b_1 : [-0.0, inf)$
 symbol $b_2 : [-0.0, inf)$
 symbol $a_{21} : (-inf, 0.0)$
 $-c_2a_{11} + c_1a_{12} > 0$
 $a_{11}a_{22} - a_{12}a_{21} > 0$
 $c_1a_{22} - c_2a_{21} > 0$
 $-3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} + 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 - a_{12}^3a_{21}^3 + a_{11}^3a_{22}^3 \geq 0$
 $-a_{11}^2a_{22}^2 + 2.00 \cdot a_{12}a_{11}a_{22}a_{21} - a_{12}^2a_{21}^2 > 0$
 $c_1a_{11}a_{22}^2 - c_2a_{11}a_{22}a_{21} - c_1a_{12}a_{22}a_{21} + a_{12}c_2a_{21}^2 \geq 0$
 $-3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} + 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 - a_{12}^3a_{21}^3 + a_{11}^3a_{22}^3 > 0$
 pot #59:
 symbol $a_{12} : (-inf, 0.0]$
 symbol $c_1 : (-inf, 0.0)$
 symbol $a_{11} : (-0.0, inf)$
 symbol $a_{22} : (-0.0, inf)$
 symbol $b_1 : [-0.0, inf)$
 symbol $b_2 : [-0.0, inf)$
 symbol $a_{21} : (-inf, 0.0)$
 $-c_2a_{11} + c_1a_{12} > 0$
 $a_{11}a_{22} - a_{12}a_{21} > 0$
 $c_1a_{22} - c_2a_{21} > 0$
 $-3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} + 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 - a_{12}^3a_{21}^3 + a_{11}^3a_{22}^3 \geq 0$
 $-a_{11}^2a_{22}^2 + 2.00 \cdot a_{12}a_{11}a_{22}a_{21} - a_{12}^2a_{21}^2 > 0$
 $c_1a_{11}a_{22}^2 - c_2a_{11}a_{22}a_{21} - c_1a_{12}a_{22}a_{21} + a_{12}c_2a_{21}^2 \geq 0$
 $-3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} + 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 - a_{12}^3a_{21}^3 + a_{11}^3a_{22}^3 > 0$
 $3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} - 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 + a_{12}^3a_{21}^3 - a_{11}^3a_{22}^3 \geq 0$
 $-a_{11}^3a_{22}^3 + 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} - 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 + a_{12}^3a_{21}^3 > 0$
 pot #60:
 symbol $a_{12} : (-inf, 0.0]$
 symbol $c_1 : (-inf, 0.0)$
 symbol $a_{11} : (-0.0, inf)$
 symbol $a_{22} : (-0.0, inf)$
 symbol $b_1 : [-0.0, inf)$
 symbol $b_2 : -0.0$
 symbol $a_{21} : (-inf, 0.0)$
 $-c_2a_{11} + c_1a_{12} > 0$
 $a_{11}a_{22} - a_{12}a_{21} > 0$
 $c_1a_{22} - c_2a_{21} > 0$

$$\begin{aligned}
& 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} - 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 + a_{12}^3a_{21}^3 - a_{11}^3a_{22}^3 \geq 0 \\
& -a_{11}^2a_{22}^2 + 2.00 \cdot a_{12}a_{11}a_{22}a_{21} - a_{12}^2a_{21}^2 > 0 \\
& c_1a_{11}a_{22}^2 - c_2a_{11}a_{22}a_{21} - c_1a_{12}a_{22}a_{21} + a_{12}c_2a_{21}^2 \geq 0 \\
& 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} - 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 + a_{12}^3a_{21}^3 - a_{11}^3a_{22}^3 > 0 \\
& a_{11}^3a_{22}^3 - 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} + 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 - a_{12}^3a_{21}^3 > 0 \\
& 8.00 \cdot a_{12}a_{11}^7a_{22}^7a_{21} - 28.00 \cdot a_{12}^2a_{11}^6a_{22}^6a_{21}^2 + 56.00 \cdot a_{12}^3a_{11}^5a_{22}^5a_{21}^3 - 70.00 \cdot a_{12}^4a_{11}^4a_{22}^4a_{21}^4 + 56.00 \cdot \\
& a_{12}^5a_{11}^3a_{22}^3a_{21}^5 - a_{11}^8a_{22}^8 - 28.00 \cdot a_{12}^6a_{11}^2a_{22}^2a_{21}^6 + 8.00 \cdot a_{12}^7a_{11}a_{22}a_{21}^7 - a_{12}^8a_{21}^8 \geq 0 \\
& -8.00 \cdot a_{12}a_{11}^7a_{22}^7a_{21} + 28.00 \cdot a_{12}^2a_{11}^6a_{22}^6a_{21}^2 - 56.00 \cdot a_{12}^3a_{11}^5a_{22}^5a_{21}^3 + 70.00 \cdot a_{12}^4a_{11}^4a_{22}^4a_{21}^4 - 56.00 \cdot \\
& a_{12}^5a_{11}^3a_{22}^3a_{21}^5 + a_{11}^8a_{22}^8 + 28.00 \cdot a_{12}^6a_{11}^2a_{22}^2a_{21}^6 - 8.00 \cdot a_{12}^7a_{11}a_{22}a_{21}^7 + a_{12}^8a_{21}^8 > 0
\end{aligned}$$

pot #61:

symbol a_{12} : $(-inf, 0.0]$

symbol c_1 : $(-inf, 0.0)$

symbol a_{11} : $(-0.0, inf)$

symbol a_{22} : $(-0.0, inf)$

symbol b_1 : $[-0.0, inf)$

symbol b_2 : -0.0

symbol a_{21} : $(-inf, 0.0)$

$$-c_2a_{11} + c_1a_{12} > 0$$

$$a_{11}a_{22} - a_{12}a_{21} > 0$$

$$c_1a_{22} - c_2a_{21} > 0$$

$$3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} - 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 + a_{12}^3a_{21}^3 - a_{11}^3a_{22}^3 \geq 0$$

$$-a_{11}^2a_{22}^2 + 2.00 \cdot a_{12}a_{11}a_{22}a_{21} - a_{12}^2a_{21}^2 > 0$$

$$c_1a_{11}a_{22}^2 - c_2a_{11}a_{22}a_{21} - c_1a_{12}a_{22}a_{21} + a_{12}c_2a_{21}^2 \geq 0$$

$$3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} - 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 + a_{12}^3a_{21}^3 - a_{11}^3a_{22}^3 > 0$$

$$a_{11}^3a_{22}^3 - 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} + 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 - a_{12}^3a_{21}^3 > 0$$

$$-8.00 \cdot a_{12}a_{11}^7a_{22}^7a_{21} + 28.00 \cdot a_{12}^2a_{11}^6a_{22}^6a_{21}^2 - 56.00 \cdot a_{12}^3a_{11}^5a_{22}^5a_{21}^3 + 70.00 \cdot a_{12}^4a_{11}^4a_{22}^4a_{21}^4 - 56.00 \cdot$$

$$a_{12}^5a_{11}^3a_{22}^3a_{21}^5 + a_{11}^8a_{22}^8 + 28.00 \cdot a_{12}^6a_{11}^2a_{22}^2a_{21}^6 - 8.00 \cdot a_{12}^7a_{11}a_{22}a_{21}^7 + a_{12}^8a_{21}^8 \geq 0$$

$$8.00 \cdot a_{12}a_{11}^7a_{22}^7a_{21} - 28.00 \cdot a_{12}^2a_{11}^6a_{22}^6a_{21}^2 + 56.00 \cdot a_{12}^3a_{11}^5a_{22}^5a_{21}^3 - 70.00 \cdot a_{12}^4a_{11}^4a_{22}^4a_{21}^4 + 56.00 \cdot$$

$$a_{12}^5a_{11}^3a_{22}^3a_{21}^5 - a_{11}^8a_{22}^8 - 28.00 \cdot a_{12}^6a_{11}^2a_{22}^2a_{21}^6 + 8.00 \cdot a_{12}^7a_{11}a_{22}a_{21}^7 - a_{12}^8a_{21}^8 > 0$$

pot #62:

symbol a_{12} : $(-inf, 0.0]$

symbol c_1 : $(-inf, 0.0)$

symbol a_{11} : $(-0.0, inf)$

symbol a_{22} : $(-0.0, inf)$

symbol b_1 : -0.0

symbol b_2 : -0.0

symbol a_{21} : $(-inf, 0.0)$

$$-c_2a_{11} + c_1a_{12} > 0$$

$$a_{11}a_{22} - a_{12}a_{21} > 0$$

$$c_1a_{22} - c_2a_{21} > 0$$

$$3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} - 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 + a_{12}^3a_{21}^3 - a_{11}^3a_{22}^3 \geq 0$$

$$-a_{11}^2a_{22}^2 + 2.00 \cdot a_{12}a_{11}a_{22}a_{21} - a_{12}^2a_{21}^2 > 0$$

$$c_1a_{11}a_{22}^2 - c_2a_{11}a_{22}a_{21} - c_1a_{12}a_{22}a_{21} + a_{12}c_2a_{21}^2 \geq 0$$

$$3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} - 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 + a_{12}^3a_{21}^3 - a_{11}^3a_{22}^3 > 0$$

$$a_{11}^3a_{22}^3 - 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} + 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 - a_{12}^3a_{21}^3 > 0$$

$$8.00 \cdot a_{12}a_{11}^7a_{22}^7a_{21} - 28.00 \cdot a_{12}^2a_{11}^6a_{22}^6a_{21}^2 + 56.00 \cdot a_{12}^3a_{11}^5a_{22}^5a_{21}^3 - 70.00 \cdot a_{12}^4a_{11}^4a_{22}^4a_{21}^4 + 56.00 \cdot$$

$$a_{12}^5a_{11}^3a_{22}^3a_{21}^5 - a_{11}^8a_{22}^8 - 28.00 \cdot a_{12}^6a_{11}^2a_{22}^2a_{21}^6 + 8.00 \cdot a_{12}^7a_{11}a_{22}a_{21}^7 - a_{12}^8a_{21}^8 \geq 0$$

$$8.00 \cdot a_{12}a_{11}^7a_{22}^7a_{21} - 28.00 \cdot a_{12}^2a_{11}^6a_{22}^6a_{21}^2 + 56.00 \cdot a_{12}^3a_{11}^5a_{22}^5a_{21}^3 - 70.00 \cdot a_{12}^4a_{11}^4a_{22}^4a_{21}^4 + 56.00 \cdot$$

$$a_{12}^5a_{11}^3a_{22}^3a_{21}^5 - a_{11}^8a_{22}^8 - 28.00 \cdot a_{12}^6a_{11}^2a_{22}^2a_{21}^6 + 8.00 \cdot a_{12}^7a_{11}a_{22}a_{21}^7 - a_{12}^8a_{21}^8 > 0$$

pot #63:

symbol $a_{12} : (-inf, 0.0]$

symbol $c_1 : (-inf, 0.0)$

symbol $a_{11} : (-0.0, inf)$

symbol $a_{22} : (-0.0, inf)$

symbol $b_1 : -0.0$

symbol $b_2 : -0.0$

symbol $a_{21} : (-inf, 0.0)$

$-c_2a_{11} + c_1a_{12} > 0$

$a_{11}a_{22} - a_{12}a_{21} > 0$

$c_1a_{22} - c_2a_{21} > 0$

$3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} - 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 + a_{12}^3a_{21}^3 - a_{11}^3a_{22}^3 \geq 0$

$-a_{11}^2a_{22}^2 + 2.00 \cdot a_{12}a_{11}a_{22}a_{21} - a_{12}^2a_{21}^2 > 0$

$c_1a_{11}a_{22}^2 - c_2a_{11}a_{22}a_{21} - c_1a_{12}a_{22}a_{21} + a_{12}c_2a_{21}^2 \geq 0$

$3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} - 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 + a_{12}^3a_{21}^3 - a_{11}^3a_{22}^3 > 0$

$a_{11}^3a_{22}^3 - 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} + 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 - a_{12}^3a_{21}^3 > 0$

$-8.00 \cdot a_{12}a_{11}^7a_{22}^7a_{21} + 28.00 \cdot a_{12}^2a_{11}^6a_{22}^6a_{21}^2 - 56.00 \cdot a_{12}^3a_{11}^5a_{22}^5a_{21}^3 + 70.00 \cdot a_{12}^4a_{11}^4a_{22}^4a_{21}^4 - 56.00 \cdot$

$a_{12}^5a_{11}^3a_{22}^3a_{21}^5 + a_{11}^8a_{22}^8 + 28.00 \cdot a_{12}^6a_{11}^2a_{22}^2a_{21}^6 - 8.00 \cdot a_{12}^7a_{11}a_{22}a_{21}^7 + a_{12}^8a_{21}^8 \geq 0$

$-8.00 \cdot a_{12}a_{11}^7a_{22}^7a_{21} + 28.00 \cdot a_{12}^2a_{11}^6a_{22}^6a_{21}^2 - 56.00 \cdot a_{12}^3a_{11}^5a_{22}^5a_{21}^3 + 70.00 \cdot a_{12}^4a_{11}^4a_{22}^4a_{21}^4 - 56.00 \cdot$

$a_{12}^5a_{11}^3a_{22}^3a_{21}^5 + a_{11}^8a_{22}^8 + 28.00 \cdot a_{12}^6a_{11}^2a_{22}^2a_{21}^6 - 8.00 \cdot a_{12}^7a_{11}a_{22}a_{21}^7 + a_{12}^8a_{21}^8 > 0$

pot #64:

symbol $a_{12} : (-inf, 0.0]$

symbol $c_1 : (-inf, 0.0)$

symbol $a_{11} : (-0.0, inf)$

symbol $a_{22} : (-0.0, inf)$

symbol $b_1 : [-0.0, inf)$

symbol $b_2 : -0.0$

symbol $a_{21} : (-inf, 0.0)$

$-c_2a_{11} + c_1a_{12} > 0$

$a_{11}a_{22} - a_{12}a_{21} > 0$

$c_1a_{22} - c_2a_{21} > 0$

$3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} - 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 + a_{12}^3a_{21}^3 - a_{11}^3a_{22}^3 \geq 0$

$-a_{11}^2a_{22}^2 + 2.00 \cdot a_{12}a_{11}a_{22}a_{21} - a_{12}^2a_{21}^2 > 0$

$c_1a_{11}a_{22}^2 - c_2a_{11}a_{22}a_{21} - c_1a_{12}a_{22}a_{21} + a_{12}c_2a_{21}^2 \geq 0$

$3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} - 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 + a_{12}^3a_{21}^3 - a_{11}^3a_{22}^3 > 0$

$-3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} + 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 - a_{12}^3a_{21}^3 + a_{11}^3a_{22}^3 > 0$

$8.00 \cdot a_{12}a_{11}^7a_{22}^7a_{21} - 28.00 \cdot a_{12}^2a_{11}^6a_{22}^6a_{21}^2 + 56.00 \cdot a_{12}^3a_{11}^5a_{22}^5a_{21}^3 - 70.00 \cdot a_{12}^4a_{11}^4a_{22}^4a_{21}^4 + 56.00 \cdot$

$a_{12}^5a_{11}^3a_{22}^3a_{21}^5 - a_{11}^8a_{22}^8 - 28.00 \cdot a_{12}^6a_{11}^2a_{22}^2a_{21}^6 + 8.00 \cdot a_{12}^7a_{11}a_{22}a_{21}^7 - a_{12}^8a_{21}^8 \geq 0$

$-8.00 \cdot a_{12}a_{11}^7a_{22}^7a_{21} + 28.00 \cdot a_{12}^2a_{11}^6a_{22}^6a_{21}^2 - 56.00 \cdot a_{12}^3a_{11}^5a_{22}^5a_{21}^3 + 70.00 \cdot a_{12}^4a_{11}^4a_{22}^4a_{21}^4 - 56.00 \cdot$

$a_{12}^5a_{11}^3a_{22}^3a_{21}^5 + a_{11}^8a_{22}^8 + 28.00 \cdot a_{12}^6a_{11}^2a_{22}^2a_{21}^6 - 8.00 \cdot a_{12}^7a_{11}a_{22}a_{21}^7 + a_{12}^8a_{21}^8 > 0$

pot #65:

symbol $a_{12} : (-inf, 0.0]$

symbol $c_1 : (-inf, 0.0)$

symbol $a_{11} : (-0.0, inf)$

symbol $a_{22} : (-0.0, inf)$

symbol $b_1 : [-0.0, inf)$

symbol $b_2 : -0.0$

symbol $a_{21} : (-inf, 0.0)$

$-c_2a_{11} + c_1a_{12} > 0$

$a_{11}a_{22} - a_{12}a_{21} > 0$

$c_1a_{22} - c_2a_{21} > 0$

$$\begin{aligned}
& 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} - 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 + a_{12}^3a_{21}^3 - a_{11}^3a_{22}^3 \geq 0 \\
& -a_{11}^2a_{22}^2 + 2.00 \cdot a_{12}a_{11}a_{22}a_{21} - a_{12}^2a_{21}^2 > 0 \\
& c_1a_{11}a_{22}^2 - c_2a_{11}a_{22}a_{21} - c_1a_{12}a_{22}a_{21} + a_{12}c_2a_{21}^2 \geq 0 \\
& 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} - 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 + a_{12}^3a_{21}^3 - a_{11}^3a_{22}^3 > 0 \\
& -3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} + 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 - a_{12}^3a_{21}^3 + a_{11}^3a_{22}^3 > 0 \\
& -8.00 \cdot a_{12}a_{11}^7a_{22}^7a_{21} + 28.00 \cdot a_{12}^2a_{11}^6a_{22}^6a_{21}^2 - 56.00 \cdot a_{12}^3a_{11}^5a_{22}^5a_{21}^3 + 70.00 \cdot a_{12}^4a_{11}^4a_{22}^4a_{21}^4 - 56.00 \cdot \\
& a_{12}^5a_{11}^3a_{22}^3a_{21}^5 + a_{11}^8a_{22}^8 + 28.00 \cdot a_{12}^6a_{11}^2a_{22}^2a_{21}^6 - 8.00 \cdot a_{12}^7a_{11}a_{22}a_{21}^7 + a_{12}^8a_{21}^8 \geq 0 \\
& 8.00 \cdot a_{12}a_{11}^7a_{22}^7a_{21} - 28.00 \cdot a_{12}^2a_{11}^6a_{22}^6a_{21}^2 + 56.00 \cdot a_{12}^3a_{11}^5a_{22}^5a_{21}^3 - 70.00 \cdot a_{12}^4a_{11}^4a_{22}^4a_{21}^4 + 56.00 \cdot \\
& a_{12}^5a_{11}^3a_{22}^3a_{21}^5 - a_{11}^8a_{22}^8 - 28.00 \cdot a_{12}^6a_{11}^2a_{22}^2a_{21}^6 + 8.00 \cdot a_{12}^7a_{11}a_{22}a_{21}^7 - a_{12}^8a_{21}^8 > 0
\end{aligned}$$

pot #66:

symbol a_{12} : $(-inf, 0.0]$

symbol c_1 : $(-inf, 0.0)$

symbol a_{11} : $(-0.0, inf)$

symbol a_{22} : $(-0.0, inf)$

symbol b_1 : -0.0

symbol b_2 : -0.0

symbol a_{21} : $(-inf, 0.0)$

$$-c_2a_{11} + c_1a_{12} > 0$$

$$a_{11}a_{22} - a_{12}a_{21} > 0$$

$$c_1a_{22} - c_2a_{21} > 0$$

$$3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} - 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 + a_{12}^3a_{21}^3 - a_{11}^3a_{22}^3 \geq 0$$

$$-a_{11}^2a_{22}^2 + 2.00 \cdot a_{12}a_{11}a_{22}a_{21} - a_{12}^2a_{21}^2 > 0$$

$$c_1a_{11}a_{22}^2 - c_2a_{11}a_{22}a_{21} - c_1a_{12}a_{22}a_{21} + a_{12}c_2a_{21}^2 \geq 0$$

$$3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} - 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 + a_{12}^3a_{21}^3 - a_{11}^3a_{22}^3 > 0$$

$$-3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} + 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 - a_{12}^3a_{21}^3 + a_{11}^3a_{22}^3 > 0$$

$$8.00 \cdot a_{12}a_{11}^7a_{22}^7a_{21} - 28.00 \cdot a_{12}^2a_{11}^6a_{22}^6a_{21}^2 + 56.00 \cdot a_{12}^3a_{11}^5a_{22}^5a_{21}^3 - 70.00 \cdot a_{12}^4a_{11}^4a_{22}^4a_{21}^4 + 56.00 \cdot$$

$$a_{12}^5a_{11}^3a_{22}^3a_{21}^5 - a_{11}^8a_{22}^8 - 28.00 \cdot a_{12}^6a_{11}^2a_{22}^2a_{21}^6 + 8.00 \cdot a_{12}^7a_{11}a_{22}a_{21}^7 - a_{12}^8a_{21}^8 \geq 0$$

$$8.00 \cdot a_{12}a_{11}^7a_{22}^7a_{21} - 28.00 \cdot a_{12}^2a_{11}^6a_{22}^6a_{21}^2 + 56.00 \cdot a_{12}^3a_{11}^5a_{22}^5a_{21}^3 - 70.00 \cdot a_{12}^4a_{11}^4a_{22}^4a_{21}^4 + 56.00 \cdot$$

$$a_{12}^5a_{11}^3a_{22}^3a_{21}^5 - a_{11}^8a_{22}^8 - 28.00 \cdot a_{12}^6a_{11}^2a_{22}^2a_{21}^6 + 8.00 \cdot a_{12}^7a_{11}a_{22}a_{21}^7 - a_{12}^8a_{21}^8 > 0$$

pot #67:

symbol a_{12} : $(-inf, 0.0]$

symbol c_1 : $(-inf, 0.0)$

symbol a_{11} : $(-0.0, inf)$

symbol a_{22} : $(-0.0, inf)$

symbol b_1 : -0.0

symbol b_2 : -0.0

symbol a_{21} : $(-inf, 0.0)$

$$-c_2a_{11} + c_1a_{12} > 0$$

$$a_{11}a_{22} - a_{12}a_{21} > 0$$

$$c_1a_{22} - c_2a_{21} > 0$$

$$3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} - 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 + a_{12}^3a_{21}^3 - a_{11}^3a_{22}^3 \geq 0$$

$$-a_{11}^2a_{22}^2 + 2.00 \cdot a_{12}a_{11}a_{22}a_{21} - a_{12}^2a_{21}^2 > 0$$

$$c_1a_{11}a_{22}^2 - c_2a_{11}a_{22}a_{21} - c_1a_{12}a_{22}a_{21} + a_{12}c_2a_{21}^2 \geq 0$$

$$3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} - 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 + a_{12}^3a_{21}^3 - a_{11}^3a_{22}^3 > 0$$

$$-3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} + 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 - a_{12}^3a_{21}^3 + a_{11}^3a_{22}^3 > 0$$

$$-8.00 \cdot a_{12}a_{11}^7a_{22}^7a_{21} + 28.00 \cdot a_{12}^2a_{11}^6a_{22}^6a_{21}^2 - 56.00 \cdot a_{12}^3a_{11}^5a_{22}^5a_{21}^3 + 70.00 \cdot a_{12}^4a_{11}^4a_{22}^4a_{21}^4 - 56.00 \cdot$$

$$a_{12}^5a_{11}^3a_{22}^3a_{21}^5 + a_{11}^8a_{22}^8 + 28.00 \cdot a_{12}^6a_{11}^2a_{22}^2a_{21}^6 - 8.00 \cdot a_{12}^7a_{11}a_{22}a_{21}^7 + a_{12}^8a_{21}^8 \geq 0$$

$$-8.00 \cdot a_{12}a_{11}^7a_{22}^7a_{21} + 28.00 \cdot a_{12}^2a_{11}^6a_{22}^6a_{21}^2 - 56.00 \cdot a_{12}^3a_{11}^5a_{22}^5a_{21}^3 + 70.00 \cdot a_{12}^4a_{11}^4a_{22}^4a_{21}^4 - 56.00 \cdot$$

$$a_{12}^5a_{11}^3a_{22}^3a_{21}^5 + a_{11}^8a_{22}^8 + 28.00 \cdot a_{12}^6a_{11}^2a_{22}^2a_{21}^6 - 8.00 \cdot a_{12}^7a_{11}a_{22}a_{21}^7 + a_{12}^8a_{21}^8 > 0$$

pot #68:

symbol $a_{12} : (-inf, 0.0]$
 symbol $c_1 : (-inf, 0.0)$
 symbol $a_{11} : (-0.0, inf)$
 symbol $a_{22} : (-0.0, inf)$
 symbol $b_1 : [-0.0, inf)$
 symbol $b_2 : -0.0$
 symbol $a_{21} : (-inf, 0.0)$
 $-c_2a_{11} + c_1a_{12} > 0$
 $a_{11}a_{22} - a_{12}a_{21} > 0$
 $c_1a_{22} - c_2a_{21} > 0$
 $3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} - 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 + a_{12}^3a_{21}^3 - a_{11}^3a_{22}^3 \geq 0$
 $-a_{11}^2a_{22}^2 + 2.00 \cdot a_{12}a_{11}a_{22}a_{21} - a_{12}^2a_{21}^2 > 0$
 $c_1a_{11}a_{22}^2 - c_2a_{11}a_{22}a_{21} - c_1a_{12}a_{22}a_{21} + a_{12}c_2a_{21}^2 \geq 0$
 $-3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} + 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 - a_{12}^3a_{21}^3 + a_{11}^3a_{22}^3 > 0$
 $3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} - 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 + a_{12}^3a_{21}^3 - a_{11}^3a_{22}^3 > 0$
 $8.00 \cdot a_{12}a_{11}^7a_{22}^7a_{21} - 28.00 \cdot a_{12}^2a_{11}^6a_{22}^6a_{21}^2 + 56.00 \cdot a_{12}^3a_{11}^5a_{22}^5a_{21}^3 - 70.00 \cdot a_{12}^4a_{11}^4a_{22}^4a_{21}^4 + 56.00 \cdot$
 $a_{12}^5a_{11}^3a_{22}^3a_{21}^5 - a_{11}^8a_{22}^8 - 28.00 \cdot a_{12}^6a_{11}^2a_{22}^2a_{21}^6 + 8.00 \cdot a_{12}^7a_{11}a_{22}a_{21}^7 - a_{12}^8a_{21}^8 \geq 0$
 $-8.00 \cdot a_{12}a_{11}^7a_{22}^7a_{21} + 28.00 \cdot a_{12}^2a_{11}^6a_{22}^6a_{21}^2 - 56.00 \cdot a_{12}^3a_{11}^5a_{22}^5a_{21}^3 + 70.00 \cdot a_{12}^4a_{11}^4a_{22}^4a_{21}^4 - 56.00 \cdot$
 $a_{12}^5a_{11}^3a_{22}^3a_{21}^5 + a_{11}^8a_{22}^8 + 28.00 \cdot a_{12}^6a_{11}^2a_{22}^2a_{21}^6 - 8.00 \cdot a_{12}^7a_{11}a_{22}a_{21}^7 + a_{12}^8a_{21}^8 > 0$
 pot #69:

symbol $a_{12} : (-inf, 0.0]$
 symbol $c_1 : (-inf, 0.0)$
 symbol $a_{11} : (-0.0, inf)$
 symbol $a_{22} : (-0.0, inf)$
 symbol $b_1 : [-0.0, inf)$
 symbol $b_2 : -0.0$
 symbol $a_{21} : (-inf, 0.0)$
 $-c_2a_{11} + c_1a_{12} > 0$
 $a_{11}a_{22} - a_{12}a_{21} > 0$
 $c_1a_{22} - c_2a_{21} > 0$
 $3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} - 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 + a_{12}^3a_{21}^3 - a_{11}^3a_{22}^3 \geq 0$
 $-a_{11}^2a_{22}^2 + 2.00 \cdot a_{12}a_{11}a_{22}a_{21} - a_{12}^2a_{21}^2 > 0$
 $c_1a_{11}a_{22}^2 - c_2a_{11}a_{22}a_{21} - c_1a_{12}a_{22}a_{21} + a_{12}c_2a_{21}^2 \geq 0$
 $-3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} + 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 - a_{12}^3a_{21}^3 + a_{11}^3a_{22}^3 > 0$
 $3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} - 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 + a_{12}^3a_{21}^3 - a_{11}^3a_{22}^3 > 0$
 $-8.00 \cdot a_{12}a_{11}^7a_{22}^7a_{21} + 28.00 \cdot a_{12}^2a_{11}^6a_{22}^6a_{21}^2 - 56.00 \cdot a_{12}^3a_{11}^5a_{22}^5a_{21}^3 + 70.00 \cdot a_{12}^4a_{11}^4a_{22}^4a_{21}^4 - 56.00 \cdot$
 $a_{12}^5a_{11}^3a_{22}^3a_{21}^5 + a_{11}^8a_{22}^8 + 28.00 \cdot a_{12}^6a_{11}^2a_{22}^2a_{21}^6 - 8.00 \cdot a_{12}^7a_{11}a_{22}a_{21}^7 + a_{12}^8a_{21}^8 \geq 0$
 $8.00 \cdot a_{12}a_{11}^7a_{22}^7a_{21} - 28.00 \cdot a_{12}^2a_{11}^6a_{22}^6a_{21}^2 + 56.00 \cdot a_{12}^3a_{11}^5a_{22}^5a_{21}^3 - 70.00 \cdot a_{12}^4a_{11}^4a_{22}^4a_{21}^4 + 56.00 \cdot$
 $a_{12}^5a_{11}^3a_{22}^3a_{21}^5 - a_{11}^8a_{22}^8 - 28.00 \cdot a_{12}^6a_{11}^2a_{22}^2a_{21}^6 + 8.00 \cdot a_{12}^7a_{11}a_{22}a_{21}^7 - a_{12}^8a_{21}^8 > 0$
 pot #70:

symbol $a_{12} : (-inf, 0.0]$
 symbol $c_1 : (-inf, 0.0)$
 symbol $a_{11} : (-0.0, inf)$
 symbol $a_{22} : (-0.0, inf)$
 symbol $b_1 : -0.0$
 symbol $b_2 : -0.0$
 symbol $a_{21} : (-inf, 0.0)$
 $-c_2a_{11} + c_1a_{12} > 0$
 $a_{11}a_{22} - a_{12}a_{21} > 0$
 $c_1a_{22} - c_2a_{21} > 0$

$$\begin{aligned}
& 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} - 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 + a_{12}^3a_{21}^3 - a_{11}^3a_{22}^3 \geq 0 \\
& -a_{11}^2a_{22}^2 + 2.00 \cdot a_{12}a_{11}a_{22}a_{21} - a_{12}^2a_{21}^2 > 0 \\
& c_1a_{11}a_{22}^2 - c_2a_{11}a_{22}a_{21} - c_1a_{12}a_{22}a_{21} + a_{12}c_2a_{21}^2 \geq 0 \\
& -3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} + 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 - a_{12}^3a_{21}^3 + a_{11}^3a_{22}^3 > 0 \\
& 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} - 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 + a_{12}^3a_{21}^3 - a_{11}^3a_{22}^3 > 0 \\
& 8.00 \cdot a_{12}a_{11}^7a_{22}^7a_{21} - 28.00 \cdot a_{12}^2a_{11}^6a_{22}^6a_{21}^2 + 56.00 \cdot a_{12}^3a_{11}^5a_{22}^5a_{21}^3 - 70.00 \cdot a_{12}^4a_{11}^4a_{22}^4a_{21}^4 + 56.00 \cdot \\
& a_{12}^5a_{11}^3a_{22}^3a_{21}^5 - a_{11}^8a_{22}^8 - 28.00 \cdot a_{12}^6a_{11}^2a_{22}^2a_{21}^6 + 8.00 \cdot a_{12}^7a_{11}a_{22}a_{21}^7 - a_{12}^8a_{21}^8 \geq 0 \\
& 8.00 \cdot a_{12}a_{11}^7a_{22}^7a_{21} - 28.00 \cdot a_{12}^2a_{11}^6a_{22}^6a_{21}^2 + 56.00 \cdot a_{12}^3a_{11}^5a_{22}^5a_{21}^3 - 70.00 \cdot a_{12}^4a_{11}^4a_{22}^4a_{21}^4 + 56.00 \cdot \\
& a_{12}^5a_{11}^3a_{22}^3a_{21}^5 - a_{11}^8a_{22}^8 - 28.00 \cdot a_{12}^6a_{11}^2a_{22}^2a_{21}^6 + 8.00 \cdot a_{12}^7a_{11}a_{22}a_{21}^7 - a_{12}^8a_{21}^8 > 0
\end{aligned}$$

pot #71:

symbol a_{12} : $(-inf, 0.0]$

symbol c_1 : $(-inf, 0.0)$

symbol a_{11} : $(-0.0, inf)$

symbol a_{22} : $(-0.0, inf)$

symbol b_1 : -0.0

symbol b_2 : -0.0

symbol a_{21} : $(-inf, 0.0)$

$$-c_2a_{11} + c_1a_{12} > 0$$

$$a_{11}a_{22} - a_{12}a_{21} > 0$$

$$c_1a_{22} - c_2a_{21} > 0$$

$$3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} - 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 + a_{12}^3a_{21}^3 - a_{11}^3a_{22}^3 \geq 0$$

$$-a_{11}^2a_{22}^2 + 2.00 \cdot a_{12}a_{11}a_{22}a_{21} - a_{12}^2a_{21}^2 > 0$$

$$c_1a_{11}a_{22}^2 - c_2a_{11}a_{22}a_{21} - c_1a_{12}a_{22}a_{21} + a_{12}c_2a_{21}^2 \geq 0$$

$$-3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} + 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 - a_{12}^3a_{21}^3 + a_{11}^3a_{22}^3 > 0$$

$$3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} - 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 + a_{12}^3a_{21}^3 - a_{11}^3a_{22}^3 > 0$$

$$-8.00 \cdot a_{12}a_{11}^7a_{22}^7a_{21} + 28.00 \cdot a_{12}^2a_{11}^6a_{22}^6a_{21}^2 - 56.00 \cdot a_{12}^3a_{11}^5a_{22}^5a_{21}^3 + 70.00 \cdot a_{12}^4a_{11}^4a_{22}^4a_{21}^4 - 56.00 \cdot$$

$$a_{12}^5a_{11}^3a_{22}^3a_{21}^5 + a_{11}^8a_{22}^8 + 28.00 \cdot a_{12}^6a_{11}^2a_{22}^2a_{21}^6 - 8.00 \cdot a_{12}^7a_{11}a_{22}a_{21}^7 + a_{12}^8a_{21}^8 \geq 0$$

$$-8.00 \cdot a_{12}a_{11}^7a_{22}^7a_{21} + 28.00 \cdot a_{12}^2a_{11}^6a_{22}^6a_{21}^2 - 56.00 \cdot a_{12}^3a_{11}^5a_{22}^5a_{21}^3 + 70.00 \cdot a_{12}^4a_{11}^4a_{22}^4a_{21}^4 - 56.00 \cdot$$

$$a_{12}^5a_{11}^3a_{22}^3a_{21}^5 + a_{11}^8a_{22}^8 + 28.00 \cdot a_{12}^6a_{11}^2a_{22}^2a_{21}^6 - 8.00 \cdot a_{12}^7a_{11}a_{22}a_{21}^7 + a_{12}^8a_{21}^8 > 0$$

pot #72:

symbol a_{12} : $(-inf, 0.0]$

symbol c_1 : $(-inf, 0.0)$

symbol a_{11} : $(-0.0, inf)$

symbol a_{22} : $(-0.0, inf)$

symbol b_1 : $[-0.0, inf)$

symbol b_2 : -0.0

symbol a_{21} : $(-inf, 0.0)$

$$-c_2a_{11} + c_1a_{12} > 0$$

$$a_{11}a_{22} - a_{12}a_{21} > 0$$

$$c_1a_{22} - c_2a_{21} > 0$$

$$3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} - 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 + a_{12}^3a_{21}^3 - a_{11}^3a_{22}^3 \geq 0$$

$$-a_{11}^2a_{22}^2 + 2.00 \cdot a_{12}a_{11}a_{22}a_{21} - a_{12}^2a_{21}^2 > 0$$

$$c_1a_{11}a_{22}^2 - c_2a_{11}a_{22}a_{21} - c_1a_{12}a_{22}a_{21} + a_{12}c_2a_{21}^2 \geq 0$$

$$-3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} + 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 - a_{12}^3a_{21}^3 + a_{11}^3a_{22}^3 > 0$$

$$-a_{11}^2a_{22}^2 + 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} - 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 + a_{12}^3a_{21}^3 > 0$$

$$8.00 \cdot a_{12}a_{11}^7a_{22}^7a_{21} - 28.00 \cdot a_{12}^2a_{11}^6a_{22}^6a_{21}^2 + 56.00 \cdot a_{12}^3a_{11}^5a_{22}^5a_{21}^3 - 70.00 \cdot a_{12}^4a_{11}^4a_{22}^4a_{21}^4 + 56.00 \cdot$$

$$a_{12}^5a_{11}^3a_{22}^3a_{21}^5 - a_{11}^8a_{22}^8 - 28.00 \cdot a_{12}^6a_{11}^2a_{22}^2a_{21}^6 + 8.00 \cdot a_{12}^7a_{11}a_{22}a_{21}^7 - a_{12}^8a_{21}^8 \geq 0$$

$$-8.00 \cdot a_{12}a_{11}^7a_{22}^7a_{21} + 28.00 \cdot a_{12}^2a_{11}^6a_{22}^6a_{21}^2 - 56.00 \cdot a_{12}^3a_{11}^5a_{22}^5a_{21}^3 + 70.00 \cdot a_{12}^4a_{11}^4a_{22}^4a_{21}^4 - 56.00 \cdot$$

$$a_{12}^5a_{11}^3a_{22}^3a_{21}^5 + a_{11}^8a_{22}^8 + 28.00 \cdot a_{12}^6a_{11}^2a_{22}^2a_{21}^6 - 8.00 \cdot a_{12}^7a_{11}a_{22}a_{21}^7 + a_{12}^8a_{21}^8 > 0$$

pot #73:

symbol $a_{12} : (-inf, 0.0]$
symbol $c_1 : (-inf, 0.0)$
symbol $a_{11} : (-0.0, inf)$
symbol $a_{22} : (-0.0, inf)$
symbol $b_1 : [-0.0, inf)$
symbol $b_2 : -0.0$
symbol $a_{21} : (-inf, 0.0)$
 $-c_2a_{11} + c_1a_{12} > 0$
 $a_{11}a_{22} - a_{12}a_{21} > 0$
 $c_1a_{22} - c_2a_{21} > 0$
 $3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} - 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 + a_{12}^3a_{21}^3 - a_{11}^3a_{22}^3 \geq 0$
 $-a_{11}^2a_{22}^2 + 2.00 \cdot a_{12}a_{11}a_{22}a_{21} - a_{12}^2a_{21}^2 > 0$
 $c_1a_{11}a_{22}^2 - c_2a_{11}a_{22}a_{21} - c_1a_{12}a_{22}a_{21} + a_{12}c_2a_{21}^2 \geq 0$
 $-3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} + 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 - a_{12}^3a_{21}^3 + a_{11}^3a_{22}^3 > 0$
 $-a_{11}^3a_{22}^3 + 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} - 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 + a_{12}^3a_{21}^3 > 0$
 $-8.00 \cdot a_{12}a_{11}^7a_{22}^7a_{21} + 28.00 \cdot a_{12}^2a_{11}^6a_{22}^6a_{21}^2 - 56.00 \cdot a_{12}^3a_{11}^5a_{22}^5a_{21}^3 + 70.00 \cdot a_{12}^4a_{11}^4a_{22}^4a_{21}^4 - 56.00 \cdot$
 $a_{12}^5a_{11}^3a_{22}^3a_{21}^5 + a_{11}^8a_{22}^8 + 28.00 \cdot a_{12}^6a_{11}^2a_{22}^2a_{21}^6 - 8.00 \cdot a_{12}^7a_{11}a_{22}a_{21}^7 + a_{12}^8a_{21}^8 \geq 0$
 $8.00 \cdot a_{12}a_{11}^7a_{22}^7a_{21} - 28.00 \cdot a_{12}^2a_{11}^6a_{22}^6a_{21}^2 + 56.00 \cdot a_{12}^3a_{11}^5a_{22}^5a_{21}^3 - 70.00 \cdot a_{12}^4a_{11}^4a_{22}^4a_{21}^4 + 56.00 \cdot$
 $a_{12}^5a_{11}^3a_{22}^3a_{21}^5 - a_{11}^8a_{22}^8 - 28.00 \cdot a_{12}^6a_{11}^2a_{22}^2a_{21}^6 + 8.00 \cdot a_{12}^7a_{11}a_{22}a_{21}^7 - a_{12}^8a_{21}^8 > 0$
pot #74:

symbol $a_{12} : (-inf, 0.0]$
symbol $c_1 : (-inf, 0.0)$
symbol $a_{11} : (-0.0, inf)$
symbol $a_{22} : (-0.0, inf)$
symbol $b_1 : -0.0$
symbol $b_2 : -0.0$
symbol $a_{21} : (-inf, 0.0)$
 $-c_2a_{11} + c_1a_{12} > 0$
 $a_{11}a_{22} - a_{12}a_{21} > 0$
 $c_1a_{22} - c_2a_{21} > 0$
 $3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} - 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 + a_{12}^3a_{21}^3 - a_{11}^3a_{22}^3 \geq 0$
 $-a_{11}^2a_{22}^2 + 2.00 \cdot a_{12}a_{11}a_{22}a_{21} - a_{12}^2a_{21}^2 > 0$
 $c_1a_{11}a_{22}^2 - c_2a_{11}a_{22}a_{21} - c_1a_{12}a_{22}a_{21} + a_{12}c_2a_{21}^2 \geq 0$
 $-3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} + 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 - a_{12}^3a_{21}^3 + a_{11}^3a_{22}^3 > 0$
 $-a_{11}^3a_{22}^3 + 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} - 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 + a_{12}^3a_{21}^3 > 0$
 $8.00 \cdot a_{12}a_{11}^7a_{22}^7a_{21} - 28.00 \cdot a_{12}^2a_{11}^6a_{22}^6a_{21}^2 + 56.00 \cdot a_{12}^3a_{11}^5a_{22}^5a_{21}^3 - 70.00 \cdot a_{12}^4a_{11}^4a_{22}^4a_{21}^4 + 56.00 \cdot$
 $a_{12}^5a_{11}^3a_{22}^3a_{21}^5 - a_{11}^8a_{22}^8 - 28.00 \cdot a_{12}^6a_{11}^2a_{22}^2a_{21}^6 + 8.00 \cdot a_{12}^7a_{11}a_{22}a_{21}^7 - a_{12}^8a_{21}^8 \geq 0$
 $8.00 \cdot a_{12}a_{11}^7a_{22}^7a_{21} - 28.00 \cdot a_{12}^2a_{11}^6a_{22}^6a_{21}^2 + 56.00 \cdot a_{12}^3a_{11}^5a_{22}^5a_{21}^3 - 70.00 \cdot a_{12}^4a_{11}^4a_{22}^4a_{21}^4 + 56.00 \cdot$
 $a_{12}^5a_{11}^3a_{22}^3a_{21}^5 - a_{11}^8a_{22}^8 - 28.00 \cdot a_{12}^6a_{11}^2a_{22}^2a_{21}^6 + 8.00 \cdot a_{12}^7a_{11}a_{22}a_{21}^7 - a_{12}^8a_{21}^8 > 0$
pot #75:

symbol $a_{12} : (-inf, 0.0]$
symbol $c_1 : (-inf, 0.0)$
symbol $a_{11} : (-0.0, inf)$
symbol $a_{22} : (-0.0, inf)$
symbol $b_1 : -0.0$
symbol $b_2 : -0.0$
symbol $a_{21} : (-inf, 0.0)$
 $-c_2a_{11} + c_1a_{12} > 0$
 $a_{11}a_{22} - a_{12}a_{21} > 0$
 $c_1a_{22} - c_2a_{21} > 0$

$$\begin{aligned}
& 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} - 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 + a_{12}^3a_{21}^3 - a_{11}^3a_{22}^3 \geq 0 \\
& -a_{11}^2a_{22}^2 + 2.00 \cdot a_{12}a_{11}a_{22}a_{21} - a_{12}^2a_{21}^2 > 0 \\
& c_1a_{11}a_{22}^2 - c_2a_{11}a_{22}a_{21} - c_1a_{12}a_{22}a_{21} + a_{12}c_2a_{21}^2 \geq 0 \\
& -3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} + 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 - a_{12}^3a_{21}^3 + a_{11}^3a_{22}^3 > 0 \\
& -a_{11}^3a_{22}^3 + 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} - 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 + a_{12}^3a_{21}^3 > 0 \\
& -8.00 \cdot a_{12}a_{11}^7a_{22}^7a_{21} + 28.00 \cdot a_{12}^2a_{11}^6a_{22}^6a_{21}^2 - 56.00 \cdot a_{12}^3a_{11}^5a_{22}^5a_{21}^3 + 70.00 \cdot a_{12}^4a_{11}^4a_{22}^4a_{21}^4 - 56.00 \cdot \\
& a_{12}^5a_{11}^3a_{22}^3a_{21}^5 + a_{11}^8a_{22}^8 + 28.00 \cdot a_{12}^6a_{11}^2a_{22}^2a_{21}^6 - 8.00 \cdot a_{12}^7a_{11}a_{22}a_{21}^7 + a_{12}^8a_{21}^8 \geq 0 \\
& -8.00 \cdot a_{12}a_{11}^7a_{22}^7a_{21} + 28.00 \cdot a_{12}^2a_{11}^6a_{22}^6a_{21}^2 - 56.00 \cdot a_{12}^3a_{11}^5a_{22}^5a_{21}^3 + 70.00 \cdot a_{12}^4a_{11}^4a_{22}^4a_{21}^4 - 56.00 \cdot \\
& a_{12}^5a_{11}^3a_{22}^3a_{21}^5 + a_{11}^8a_{22}^8 + 28.00 \cdot a_{12}^6a_{11}^2a_{22}^2a_{21}^6 - 8.00 \cdot a_{12}^7a_{11}a_{22}a_{21}^7 + a_{12}^8a_{21}^8 > 0
\end{aligned}$$

pot #76:

symbol a_{12} : $(-inf, 0.0]$

symbol c_1 : $(-inf, 0.0)$

symbol a_{11} : $(-0.0, inf)$

symbol a_{22} : $(-0.0, inf)$

symbol b_1 : $[-0.0, inf)$

symbol b_2 : -0.0

symbol a_{21} : $(-inf, 0.0)$

$$-c_2a_{11} + c_1a_{12} > 0$$

$$a_{11}a_{22} - a_{12}a_{21} > 0$$

$$c_1a_{22} - c_2a_{21} > 0$$

$$3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} - 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 + a_{12}^3a_{21}^3 - a_{11}^3a_{22}^3 \geq 0$$

$$-a_{11}^2a_{22}^2 + 2.00 \cdot a_{12}a_{11}a_{22}a_{21} - a_{12}^2a_{21}^2 > 0$$

$$c_1a_{11}a_{22}^2 - c_2a_{11}a_{22}a_{21} - c_1a_{12}a_{22}a_{21} + a_{12}c_2a_{21}^2 \geq 0$$

$$3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} - 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 + a_{12}^3a_{21}^3 - a_{11}^3a_{22}^3 > 0$$

$$-3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} + 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 - a_{12}^3a_{21}^3 + a_{11}^3a_{22}^3 \geq 0$$

$$a_{11}^3a_{22}^3 - 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} + 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 - a_{12}^3a_{21}^3 > 0$$

pot #77:

symbol a_{12} : $(-inf, 0.0]$

symbol c_1 : $(-inf, 0.0)$

symbol a_{11} : $(-0.0, inf)$

symbol a_{22} : $(-0.0, inf)$

symbol b_1 : $[-0.0, inf)$

symbol b_2 : -0.0

symbol a_{21} : $(-inf, 0.0)$

$$-c_2a_{11} + c_1a_{12} > 0$$

$$a_{11}a_{22} - a_{12}a_{21} > 0$$

$$c_1a_{22} - c_2a_{21} > 0$$

$$3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} - 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 + a_{12}^3a_{21}^3 - a_{11}^3a_{22}^3 \geq 0$$

$$-a_{11}^2a_{22}^2 + 2.00 \cdot a_{12}a_{11}a_{22}a_{21} - a_{12}^2a_{21}^2 > 0$$

$$c_1a_{11}a_{22}^2 - c_2a_{11}a_{22}a_{21} - c_1a_{12}a_{22}a_{21} + a_{12}c_2a_{21}^2 \geq 0$$

$$3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} - 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 + a_{12}^3a_{21}^3 - a_{11}^3a_{22}^3 > 0$$

pot #78:

symbol a_{12} : $(-inf, 0.0]$

symbol c_1 : $(-inf, 0.0)$

symbol a_{11} : $(-0.0, inf)$

symbol a_{22} : $(-0.0, inf)$

symbol b_1 : $[-0.0, inf)$

symbol b_2 : -0.0

symbol a_{21} : $(-inf, 0.0)$

$$-c_2a_{11} + c_1a_{12} > 0$$

$$a_{11}a_{22} - a_{12}a_{21} > 0$$

$$c_1a_{22} - c_2a_{21} > 0$$

$$3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} - 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 + a_{12}^3a_{21}^3 - a_{11}^3a_{22}^3 \geq 0$$

$$-a_{11}^2a_{22}^2 + 2.00 \cdot a_{12}a_{11}a_{22}a_{21} - a_{12}^2a_{21}^2 > 0$$

$$c_1a_{11}a_{22}^2 - c_2a_{11}a_{22}a_{21} - c_1a_{12}a_{22}a_{21} + a_{12}c_2a_{21}^2 \geq 0$$

$$-3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} + 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 - a_{12}^3a_{21}^3 + a_{11}^3a_{22}^3 > 0$$

$$-3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} + 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 - a_{12}^3a_{21}^3 + a_{11}^3a_{22}^3 \geq 0$$

pot #79:

$$\text{symbol } a_{12} : (-inf, 0.0]$$

$$\text{symbol } c_1 : (-inf, 0.0)$$

$$\text{symbol } a_{11} : (-0.0, inf)$$

$$\text{symbol } a_{22} : (-0.0, inf)$$

$$\text{symbol } b_1 : [-0.0, inf)$$

$$\text{symbol } b_2 : -0.0$$

$$\text{symbol } a_{21} : (-inf, 0.0)$$

$$-c_2a_{11} + c_1a_{12} > 0$$

$$a_{11}a_{22} - a_{12}a_{21} > 0$$

$$c_1a_{22} - c_2a_{21} > 0$$

$$3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} - 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 + a_{12}^3a_{21}^3 - a_{11}^3a_{22}^3 \geq 0$$

$$-a_{11}^2a_{22}^2 + 2.00 \cdot a_{12}a_{11}a_{22}a_{21} - a_{12}^2a_{21}^2 > 0$$

$$c_1a_{11}a_{22}^2 - c_2a_{11}a_{22}a_{21} - c_1a_{12}a_{22}a_{21} + a_{12}c_2a_{21}^2 \geq 0$$

$$-3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} + 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 - a_{12}^3a_{21}^3 + a_{11}^3a_{22}^3 > 0$$

$$-a_{11}^3a_{22}^3 + 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} - 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 + a_{12}^3a_{21}^3 > 0$$

pot #80:

$$\text{symbol } a_{12} : (-inf, 0.0]$$

$$\text{symbol } c_1 : (-inf, 0.0)$$

$$\text{symbol } a_{11} : (-0.0, inf)$$

$$\text{symbol } a_{22} : (-0.0, inf)$$

$$\text{symbol } b_1 : [-0.0, inf)$$

$$\text{symbol } b_2 : -0.0$$

$$\text{symbol } a_{21} : (-inf, 0.0)$$

$$-c_2a_{11} + c_1a_{12} > 0$$

$$a_{11}a_{22} - a_{12}a_{21} > 0$$

$$c_1a_{22} - c_2a_{21} > 0$$

$$-3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} + 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 - a_{12}^3a_{21}^3 + a_{11}^3a_{22}^3 \geq 0$$

$$a_{11}^2a_{22}^2 - 2.00 \cdot a_{12}a_{11}a_{22}a_{21} + a_{12}^2a_{21}^2 > 0$$

$$c_1a_{11}a_{22}^2 - c_2a_{11}a_{22}a_{21} - c_1a_{12}a_{22}a_{21} + a_{12}c_2a_{21}^2 \geq 0$$

$$3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} - 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 + a_{12}^3a_{21}^3 - a_{11}^3a_{22}^3 > 0$$

$$a_{11}^3a_{22}^3 - 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} + 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 - a_{12}^3a_{21}^3 > 0$$

$$8.00 \cdot a_{12}a_{11}^7a_{22}^7a_{21} - 28.00 \cdot a_{12}^2a_{11}^6a_{22}^6a_{21}^2 + 56.00 \cdot a_{12}^3a_{11}^5a_{22}^5a_{21}^3 - 70.00 \cdot a_{12}^4a_{11}^4a_{22}^4a_{21}^4 + 56.00 \cdot$$

$$a_{12}^5a_{11}^3a_{22}^3a_{21}^5 - a_{11}^8a_{22}^8 - 28.00 \cdot a_{12}^6a_{11}^2a_{22}^2a_{21}^6 + 8.00 \cdot a_{12}^7a_{11}a_{22}a_{21}^7 - a_{12}^8a_{21}^8 \geq 0$$

$$-8.00 \cdot a_{12}a_{11}^7a_{22}^7a_{21} + 28.00 \cdot a_{12}^2a_{11}^6a_{22}^6a_{21}^2 - 56.00 \cdot a_{12}^3a_{11}^5a_{22}^5a_{21}^3 + 70.00 \cdot a_{12}^4a_{11}^4a_{22}^4a_{21}^4 - 56.00 \cdot$$

$$a_{12}^5a_{11}^3a_{22}^3a_{21}^5 + a_{11}^8a_{22}^8 + 28.00 \cdot a_{12}^6a_{11}^2a_{22}^2a_{21}^6 - 8.00 \cdot a_{12}^7a_{11}a_{22}a_{21}^7 + a_{12}^8a_{21}^8 > 0$$

pot #81:

$$\text{symbol } a_{12} : (-inf, 0.0]$$

$$\text{symbol } c_1 : (-inf, 0.0)$$

$$\text{symbol } a_{11} : (-0.0, inf)$$

$$\text{symbol } a_{22} : (-0.0, inf)$$

$$\text{symbol } b_1 : [-0.0, inf)$$

$$\text{symbol } b_2 : -0.0$$

$$-8.00 \cdot a_{12}^{11} a_{11}^{22} a_{22}^{11} a_{21}^{21} + 28.00 \cdot a_{12}^{12} a_{11}^{11} a_{22}^{22} a_{21}^{21} - 56.00 \cdot a_{12}^{12} a_{11}^{11} a_{22}^{21} a_{21}^{12} + 70.00 \cdot a_{12}^{12} a_{11}^{12} a_{22}^{21} a_{21}^{11} - 56.00 \cdot$$

$$\begin{aligned}
& a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + a_{11}^8 a_{22}^8 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + a_{12}^8 a_{21}^8 \geq 0 \\
& -8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 - 56.00 \cdot \\
& a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + a_{11}^8 a_{22}^8 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + a_{12}^8 a_{21}^8 > 0
\end{aligned}$$

pot #84:

symbol a_{12} : $(-inf, 0.0]$

symbol c_1 : $(-inf, 0.0)$

symbol a_{11} : $(-0.0, inf)$

symbol a_{22} : $(-0.0, inf)$

symbol b_1 : $[-0.0, inf)$

symbol b_2 : -0.0

symbol a_{21} : $(-inf, 0.0)$

$$-c_2 a_{11} + c_1 a_{12} > 0$$

$$a_{11} a_{22} - a_{12} a_{21} > 0$$

$$c_1 a_{22} - c_2 a_{21} > 0$$

$$-3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 + a_{11}^3 a_{22}^3 \geq 0$$

$$a_{11}^2 a_{22}^2 - 2.00 \cdot a_{12} a_{11} a_{22} a_{21} + a_{12}^2 a_{21}^2 > 0$$

$$c_1 a_{11} a_{22}^2 - c_2 a_{11} a_{22} a_{21} - c_1 a_{12} a_{22} a_{21} + a_{12} c_2 a_{21}^2 \geq 0$$

$$3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + a_{12}^3 a_{21}^3 - a_{11}^3 a_{22}^3 > 0$$

$$-3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 + a_{11}^3 a_{22}^3 > 0$$

$$8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 + 56.00 \cdot$$

$$a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - a_{11}^8 a_{22}^8 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - a_{12}^8 a_{21}^8 \geq 0$$

$$-8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 - 56.00 \cdot$$

$$a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + a_{11}^8 a_{22}^8 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + a_{12}^8 a_{21}^8 > 0$$

pot #85:

symbol a_{12} : $(-inf, 0.0]$

symbol c_1 : $(-inf, 0.0)$

symbol a_{11} : $(-0.0, inf)$

symbol a_{22} : $(-0.0, inf)$

symbol b_1 : $[-0.0, inf)$

symbol b_2 : -0.0

symbol a_{21} : $(-inf, 0.0)$

$$-c_2 a_{11} + c_1 a_{12} > 0$$

$$a_{11} a_{22} - a_{12} a_{21} > 0$$

$$c_1 a_{22} - c_2 a_{21} > 0$$

$$-3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 + a_{11}^3 a_{22}^3 \geq 0$$

$$a_{11}^2 a_{22}^2 - 2.00 \cdot a_{12} a_{11} a_{22} a_{21} + a_{12}^2 a_{21}^2 > 0$$

$$c_1 a_{11} a_{22}^2 - c_2 a_{11} a_{22} a_{21} - c_1 a_{12} a_{22} a_{21} + a_{12} c_2 a_{21}^2 \geq 0$$

$$3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + a_{12}^3 a_{21}^3 - a_{11}^3 a_{22}^3 > 0$$

$$-3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 + a_{11}^3 a_{22}^3 > 0$$

$$-8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 - 56.00 \cdot$$

$$a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + a_{11}^8 a_{22}^8 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + a_{12}^8 a_{21}^8 \geq 0$$

$$8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 + 56.00 \cdot$$

$$a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - a_{11}^8 a_{22}^8 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - a_{12}^8 a_{21}^8 > 0$$

pot #86:

symbol a_{12} : $(-inf, 0.0]$

symbol c_1 : $(-inf, 0.0)$

symbol a_{11} : $(-0.0, inf)$

symbol a_{22} : $(-0.0, inf)$

symbol b_1 : -0.0

symbol b_2 : -0.0

symbol $a_{21} : (-inf, 0.0)$

$$-c_2 a_{11} + c_1 a_{12} > 0$$

$$a_{11} a_{22} - a_{12} a_{21} > 0$$

$$c_1 a_{22} - c_2 a_{21} > 0$$

$$-3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 + a_{11}^3 a_{22}^3 \geq 0$$

$$a_{11}^2 a_{22}^2 - 2.00 \cdot a_{12} a_{11} a_{22} a_{21} + a_{12}^2 a_{21}^2 > 0$$

$$c_1 a_{11} a_{22}^2 - c_2 a_{11} a_{22} a_{21} - c_1 a_{12} a_{22} a_{21} + a_{12} c_2 a_{21}^2 \geq 0$$

$$3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + a_{12}^3 a_{21}^3 - a_{11}^3 a_{22}^3 > 0$$

$$-3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 + a_{11}^3 a_{22}^3 > 0$$

$$8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 + 56.00 \cdot$$

$$a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - a_{11}^8 a_{22}^8 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - a_{12}^8 a_{21}^8 \geq 0$$

$$8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 + 56.00 \cdot$$

$$a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - a_{11}^8 a_{22}^8 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - a_{12}^8 a_{21}^8 > 0$$

pot #87:

symbol $a_{12} : (-inf, 0.0]$

symbol $c_1 : (-inf, 0.0)$

symbol $a_{11} : (-0.0, inf)$

symbol $a_{22} : (-0.0, inf)$

symbol $b_1 : -0.0$

symbol $b_2 : -0.0$

symbol $a_{21} : (-inf, 0.0)$

$$-c_2 a_{11} + c_1 a_{12} > 0$$

$$a_{11} a_{22} - a_{12} a_{21} > 0$$

$$c_1 a_{22} - c_2 a_{21} > 0$$

$$-3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 + a_{11}^3 a_{22}^3 \geq 0$$

$$a_{11}^2 a_{22}^2 - 2.00 \cdot a_{12} a_{11} a_{22} a_{21} + a_{12}^2 a_{21}^2 > 0$$

$$c_1 a_{11} a_{22}^2 - c_2 a_{11} a_{22} a_{21} - c_1 a_{12} a_{22} a_{21} + a_{12} c_2 a_{21}^2 \geq 0$$

$$3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + a_{12}^3 a_{21}^3 - a_{11}^3 a_{22}^3 > 0$$

$$-3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 + a_{11}^3 a_{22}^3 > 0$$

$$-8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 - 56.00 \cdot$$

$$a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + a_{11}^8 a_{22}^8 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + a_{12}^8 a_{21}^8 \geq 0$$

$$-8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 - 56.00 \cdot$$

$$a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + a_{11}^8 a_{22}^8 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + a_{12}^8 a_{21}^8 > 0$$

pot #88:

symbol $a_{12} : (-inf, 0.0]$

symbol $c_1 : (-inf, 0.0)$

symbol $a_{11} : (-0.0, inf)$

symbol $a_{22} : (-0.0, inf)$

symbol $b_1 : [-0.0, inf)$

symbol $b_2 : -0.0$

symbol $a_{21} : (-inf, 0.0)$

$$-c_2 a_{11} + c_1 a_{12} > 0$$

$$a_{11} a_{22} - a_{12} a_{21} > 0$$

$$c_1 a_{22} - c_2 a_{21} > 0$$

$$-3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 + a_{11}^3 a_{22}^3 \geq 0$$

$$a_{11}^2 a_{22}^2 - 2.00 \cdot a_{12} a_{11} a_{22} a_{21} + a_{12}^2 a_{21}^2 > 0$$

$$c_1 a_{11} a_{22}^2 - c_2 a_{11} a_{22} a_{21} - c_1 a_{12} a_{22} a_{21} + a_{12} c_2 a_{21}^2 \geq 0$$

$$-3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 + a_{11}^3 a_{22}^3 > 0$$

$$3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + a_{12}^3 a_{21}^3 - a_{11}^3 a_{22}^3 > 0$$

$$8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 + 56.00 \cdot$$

$$\begin{aligned}
& a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - a_{11}^8 a_{22}^8 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - a_{12}^8 a_{21}^8 \geq 0 \\
& -8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 - 56.00 \cdot \\
& a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + a_{11}^8 a_{22}^8 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + a_{12}^8 a_{21}^8 > 0
\end{aligned}$$

pot #89:

symbol a_{12} : $(-inf, 0.0]$

symbol c_1 : $(-inf, 0.0)$

symbol a_{11} : $(-0.0, inf)$

symbol a_{22} : $(-0.0, inf)$

symbol b_1 : $[-0.0, inf)$

symbol b_2 : -0.0

symbol a_{21} : $(-inf, 0.0)$

$$-c_2 a_{11} + c_1 a_{12} > 0$$

$$a_{11} a_{22} - a_{12} a_{21} > 0$$

$$c_1 a_{22} - c_2 a_{21} > 0$$

$$-3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 + a_{11}^3 a_{22}^3 \geq 0$$

$$a_{11}^2 a_{22}^2 - 2.00 \cdot a_{12} a_{11} a_{22} a_{21} + a_{12}^2 a_{21}^2 > 0$$

$$c_1 a_{11} a_{22}^2 - c_2 a_{11} a_{22} a_{21} - c_1 a_{12} a_{22} a_{21} + a_{12} c_2 a_{21}^2 \geq 0$$

$$-3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 + a_{11}^3 a_{22}^3 > 0$$

$$3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + a_{12}^3 a_{21}^3 - a_{11}^3 a_{22}^3 > 0$$

$$-8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 - 56.00 \cdot$$

$$a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + a_{11}^8 a_{22}^8 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + a_{12}^8 a_{21}^8 \geq 0$$

$$8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 + 56.00 \cdot$$

$$a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - a_{11}^8 a_{22}^8 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - a_{12}^8 a_{21}^8 > 0$$

pot #90:

symbol a_{12} : $(-inf, 0.0]$

symbol c_1 : $(-inf, 0.0)$

symbol a_{11} : $(-0.0, inf)$

symbol a_{22} : $(-0.0, inf)$

symbol b_1 : -0.0

symbol b_2 : -0.0

symbol a_{21} : $(-inf, 0.0)$

$$-c_2 a_{11} + c_1 a_{12} > 0$$

$$a_{11} a_{22} - a_{12} a_{21} > 0$$

$$c_1 a_{22} - c_2 a_{21} > 0$$

$$-3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 + a_{11}^3 a_{22}^3 \geq 0$$

$$a_{11}^2 a_{22}^2 - 2.00 \cdot a_{12} a_{11} a_{22} a_{21} + a_{12}^2 a_{21}^2 > 0$$

$$c_1 a_{11} a_{22}^2 - c_2 a_{11} a_{22} a_{21} - c_1 a_{12} a_{22} a_{21} + a_{12} c_2 a_{21}^2 \geq 0$$

$$-3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 + a_{11}^3 a_{22}^3 > 0$$

$$3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + a_{12}^3 a_{21}^3 - a_{11}^3 a_{22}^3 > 0$$

$$8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 + 56.00 \cdot$$

$$a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - a_{11}^8 a_{22}^8 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - a_{12}^8 a_{21}^8 \geq 0$$

$$8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 + 56.00 \cdot$$

$$a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - a_{11}^8 a_{22}^8 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - a_{12}^8 a_{21}^8 > 0$$

pot #91:

symbol a_{12} : $(-inf, 0.0]$

symbol c_1 : $(-inf, 0.0)$

symbol a_{11} : $(-0.0, inf)$

symbol a_{22} : $(-0.0, inf)$

symbol b_1 : -0.0

symbol b_2 : -0.0

symbol $a_{21} : (-inf, 0.0)$

$$-c_2a_{11} + c_1a_{12} > 0$$

$$a_{11}a_{22} - a_{12}a_{21} > 0$$

$$c_1a_{22} - c_2a_{21} > 0$$

$$-3.00 \cdot a_{12}a_{11}^2a_{22}a_{21} + 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 - a_{12}^3a_{21}^3 + a_{11}^3a_{22}^3 \geq 0$$

$$a_{11}^2a_{22}^2 - 2.00 \cdot a_{12}a_{11}a_{22}a_{21} + a_{12}^2a_{21}^2 > 0$$

$$c_1a_{11}a_{22}^2 - c_2a_{11}a_{22}a_{21} - c_1a_{12}a_{22}a_{21} + a_{12}c_2a_{21}^2 \geq 0$$

$$-3.00 \cdot a_{12}a_{11}^2a_{22}a_{21} + 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 - a_{12}^3a_{21}^3 + a_{11}^3a_{22}^3 > 0$$

$$3.00 \cdot a_{12}a_{11}^2a_{22}a_{21} - 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 + a_{12}^3a_{21}^3 - a_{11}^3a_{22}^3 > 0$$

$$-8.00 \cdot a_{12}a_{11}^7a_{22}a_{21} + 28.00 \cdot a_{12}^2a_{11}^6a_{22}a_{21}^2 - 56.00 \cdot a_{12}^3a_{11}^5a_{22}a_{21}^3 + 70.00 \cdot a_{12}^4a_{11}^4a_{22}a_{21}^4 - 56.00 \cdot$$

$$a_{12}^5a_{11}^3a_{22}a_{21}^5 + a_{11}^8a_{22}^8 + 28.00 \cdot a_{12}^6a_{11}^2a_{22}a_{21}^6 - 8.00 \cdot a_{12}^7a_{11}a_{22}a_{21}^7 + a_{12}^8a_{21}^8 \geq 0$$

$$-8.00 \cdot a_{12}a_{11}^7a_{22}a_{21} + 28.00 \cdot a_{12}^2a_{11}^6a_{22}a_{21}^2 - 56.00 \cdot a_{12}^3a_{11}^5a_{22}a_{21}^3 + 70.00 \cdot a_{12}^4a_{11}^4a_{22}a_{21}^4 - 56.00 \cdot$$

$$a_{12}^5a_{11}^3a_{22}a_{21}^5 + a_{11}^8a_{22}^8 + 28.00 \cdot a_{12}^6a_{11}^2a_{22}a_{21}^6 - 8.00 \cdot a_{12}^7a_{11}a_{22}a_{21}^7 + a_{12}^8a_{21}^8 > 0$$

pot #92:

symbol $a_{12} : (-inf, 0.0]$

symbol $c_1 : (-inf, 0.0)$

symbol $a_{11} : (-0.0, inf)$

symbol $a_{22} : (-0.0, inf)$

symbol $b_1 : [-0.0, inf)$

symbol $b_2 : -0.0$

symbol $a_{21} : (-inf, 0.0)$

$$-c_2a_{11} + c_1a_{12} > 0$$

$$a_{11}a_{22} - a_{12}a_{21} > 0$$

$$c_1a_{22} - c_2a_{21} > 0$$

$$-3.00 \cdot a_{12}a_{11}^2a_{22}a_{21} + 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 - a_{12}^3a_{21}^3 + a_{11}^3a_{22}^3 \geq 0$$

$$a_{11}^2a_{22}^2 - 2.00 \cdot a_{12}a_{11}a_{22}a_{21} + a_{12}^2a_{21}^2 > 0$$

$$c_1a_{11}a_{22}^2 - c_2a_{11}a_{22}a_{21} - c_1a_{12}a_{22}a_{21} + a_{12}c_2a_{21}^2 \geq 0$$

$$-3.00 \cdot a_{12}a_{11}^2a_{22}a_{21} + 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 - a_{12}^3a_{21}^3 + a_{11}^3a_{22}^3 > 0$$

$$-a_{11}^3a_{22}^3 + 3.00 \cdot a_{12}a_{11}^2a_{22}a_{21} - 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 + a_{12}^3a_{21}^3 > 0$$

$$8.00 \cdot a_{12}a_{11}^7a_{22}a_{21} - 28.00 \cdot a_{12}^2a_{11}^6a_{22}a_{21}^2 + 56.00 \cdot a_{12}^3a_{11}^5a_{22}a_{21}^3 - 70.00 \cdot a_{12}^4a_{11}^4a_{22}a_{21}^4 + 56.00 \cdot$$

$$a_{12}^5a_{11}^3a_{22}a_{21}^5 - a_{11}^8a_{22}^8 - 28.00 \cdot a_{12}^6a_{11}^2a_{22}a_{21}^6 + 8.00 \cdot a_{12}^7a_{11}a_{22}a_{21}^7 - a_{12}^8a_{21}^8 \geq 0$$

$$-8.00 \cdot a_{12}a_{11}^7a_{22}a_{21} + 28.00 \cdot a_{12}^2a_{11}^6a_{22}a_{21}^2 - 56.00 \cdot a_{12}^3a_{11}^5a_{22}a_{21}^3 + 70.00 \cdot a_{12}^4a_{11}^4a_{22}a_{21}^4 - 56.00 \cdot$$

$$a_{12}^5a_{11}^3a_{22}a_{21}^5 + a_{11}^8a_{22}^8 + 28.00 \cdot a_{12}^6a_{11}^2a_{22}a_{21}^6 - 8.00 \cdot a_{12}^7a_{11}a_{22}a_{21}^7 + a_{12}^8a_{21}^8 > 0$$

pot #93:

symbol $a_{12} : (-inf, 0.0]$

symbol $c_1 : (-inf, 0.0)$

symbol $a_{11} : (-0.0, inf)$

symbol $a_{22} : (-0.0, inf)$

symbol $b_1 : [-0.0, inf)$

symbol $b_2 : -0.0$

symbol $a_{21} : (-inf, 0.0)$

$$-c_2a_{11} + c_1a_{12} > 0$$

$$a_{11}a_{22} - a_{12}a_{21} > 0$$

$$c_1a_{22} - c_2a_{21} > 0$$

$$-3.00 \cdot a_{12}a_{11}^2a_{22}a_{21} + 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 - a_{12}^3a_{21}^3 + a_{11}^3a_{22}^3 \geq 0$$

$$a_{11}^2a_{22}^2 - 2.00 \cdot a_{12}a_{11}a_{22}a_{21} + a_{12}^2a_{21}^2 > 0$$

$$c_1a_{11}a_{22}^2 - c_2a_{11}a_{22}a_{21} - c_1a_{12}a_{22}a_{21} + a_{12}c_2a_{21}^2 \geq 0$$

$$-3.00 \cdot a_{12}a_{11}^2a_{22}a_{21} + 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 - a_{12}^3a_{21}^3 + a_{11}^3a_{22}^3 > 0$$

$$-a_{11}^3a_{22}^3 + 3.00 \cdot a_{12}a_{11}^2a_{22}a_{21} - 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 + a_{12}^3a_{21}^3 > 0$$

$$-8.00 \cdot a_{12}a_{11}^7a_{22}a_{21} + 28.00 \cdot a_{12}^2a_{11}^6a_{22}a_{21}^2 - 56.00 \cdot a_{12}^3a_{11}^5a_{22}a_{21}^3 + 70.00 \cdot a_{12}^4a_{11}^4a_{22}a_{21}^4 - 56.00 \cdot$$

$$\begin{aligned}
& a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + a_{11}^8 a_{22}^8 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + a_{12}^8 a_{21}^8 \geq 0 \\
& 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 + 56.00 \cdot \\
& a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - a_{11}^8 a_{22}^8 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - a_{12}^8 a_{21}^8 > 0
\end{aligned}$$

pot #94:

symbol a_{12} : $(-inf, 0.0]$

symbol c_1 : $(-inf, 0.0)$

symbol a_{11} : $(-0.0, inf)$

symbol a_{22} : $(-0.0, inf)$

symbol b_1 : -0.0

symbol b_2 : -0.0

symbol a_{21} : $(-inf, 0.0)$

$$-c_2 a_{11} + c_1 a_{12} > 0$$

$$a_{11} a_{22} - a_{12} a_{21} > 0$$

$$c_1 a_{22} - c_2 a_{21} > 0$$

$$-3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 + a_{11}^3 a_{22}^3 \geq 0$$

$$a_{11}^2 a_{22}^2 - 2.00 \cdot a_{12} a_{11} a_{22} a_{21} + a_{12}^2 a_{21}^2 > 0$$

$$c_1 a_{11} a_{22}^2 - c_2 a_{11} a_{22} a_{21} - c_1 a_{12} a_{22} a_{21} + a_{12} c_2 a_{21}^2 \geq 0$$

$$-3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 + a_{11}^3 a_{22}^3 > 0$$

$$-a_{11}^3 a_{22}^3 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + a_{12}^3 a_{21}^3 > 0$$

$$8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 + 56.00 \cdot$$

$$a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - a_{11}^8 a_{22}^8 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - a_{12}^8 a_{21}^8 \geq 0$$

$$8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 + 56.00 \cdot$$

$$a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - a_{11}^8 a_{22}^8 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - a_{12}^8 a_{21}^8 > 0$$

pot #95:

symbol a_{12} : $(-inf, 0.0]$

symbol c_1 : $(-inf, 0.0)$

symbol a_{11} : $(-0.0, inf)$

symbol a_{22} : $(-0.0, inf)$

symbol b_1 : -0.0

symbol b_2 : -0.0

symbol a_{21} : $(-inf, 0.0)$

$$-c_2 a_{11} + c_1 a_{12} > 0$$

$$a_{11} a_{22} - a_{12} a_{21} > 0$$

$$c_1 a_{22} - c_2 a_{21} > 0$$

$$-3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 + a_{11}^3 a_{22}^3 \geq 0$$

$$a_{11}^2 a_{22}^2 - 2.00 \cdot a_{12} a_{11} a_{22} a_{21} + a_{12}^2 a_{21}^2 > 0$$

$$c_1 a_{11} a_{22}^2 - c_2 a_{11} a_{22} a_{21} - c_1 a_{12} a_{22} a_{21} + a_{12} c_2 a_{21}^2 \geq 0$$

$$-3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 + a_{11}^3 a_{22}^3 > 0$$

$$-a_{11}^3 a_{22}^3 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + a_{12}^3 a_{21}^3 > 0$$

$$-8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 - 56.00 \cdot$$

$$a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + a_{11}^8 a_{22}^8 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + a_{12}^8 a_{21}^8 \geq 0$$

$$-8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 - 56.00 \cdot$$

$$a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + a_{11}^8 a_{22}^8 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + a_{12}^8 a_{21}^8 > 0$$

pot #96:

symbol a_{12} : $(-inf, 0.0]$

symbol c_1 : $(-inf, 0.0)$

symbol a_{11} : $(-0.0, inf)$

symbol a_{22} : $(-0.0, inf)$

symbol b_1 : $[-0.0, inf)$

symbol b_2 : -0.0

symbol $a_{21} : (-inf, 0.0)$
 $-c_2a_{11} + c_1a_{12} > 0$
 $a_{11}a_{22} - a_{12}a_{21} > 0$
 $c_1a_{22} - c_2a_{21} > 0$
 $-3.00 \cdot a_{12}a_{11}^2a_{22}a_{21} + 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 - a_{12}^3a_{21}^3 + a_{11}^3a_{22}^3 \geq 0$
 $a_{11}^2a_{22}^2 - 2.00 \cdot a_{12}a_{11}a_{22}a_{21} + a_{12}^2a_{21}^2 > 0$
 $c_1a_{11}a_{22}^2 - c_2a_{11}a_{22}a_{21} - c_1a_{12}a_{22}a_{21} + a_{12}c_2a_{21}^2 \geq 0$
 $3.00 \cdot a_{12}a_{11}^2a_{22}a_{21} - 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 + a_{12}^3a_{21}^3 - a_{11}^3a_{22}^3 > 0$
 $a_{11}^3a_{22}^3 - 3.00 \cdot a_{12}a_{11}^2a_{22}a_{21} + 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 - a_{12}^3a_{21}^3 > 0$
pot #97:
symbol $a_{12} : (-inf, 0.0]$
symbol $c_1 : (-inf, 0.0)$
symbol $a_{11} : (-0.0, inf)$
symbol $a_{22} : (-0.0, inf)$
symbol $b_1 : [-0.0, inf)$
symbol $b_2 : -0.0$
symbol $a_{21} : (-inf, 0.0)$
 $-c_2a_{11} + c_1a_{12} > 0$
 $a_{11}a_{22} - a_{12}a_{21} > 0$
 $c_1a_{22} - c_2a_{21} > 0$
 $-3.00 \cdot a_{12}a_{11}^2a_{22}a_{21} + 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 - a_{12}^3a_{21}^3 + a_{11}^3a_{22}^3 \geq 0$
 $a_{11}^2a_{22}^2 - 2.00 \cdot a_{12}a_{11}a_{22}a_{21} + a_{12}^2a_{21}^2 > 0$
 $c_1a_{11}a_{22}^2 - c_2a_{11}a_{22}a_{21} - c_1a_{12}a_{22}a_{21} + a_{12}c_2a_{21}^2 \geq 0$
 $3.00 \cdot a_{12}a_{11}^2a_{22}a_{21} - 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 + a_{12}^3a_{21}^3 - a_{11}^3a_{22}^3 > 0$
 $3.00 \cdot a_{12}a_{11}^2a_{22}a_{21} - 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 + a_{12}^3a_{21}^3 - a_{11}^3a_{22}^3 \geq 0$
pot #98:
symbol $a_{12} : (-inf, 0.0]$
symbol $c_1 : (-inf, 0.0)$
symbol $a_{11} : (-0.0, inf)$
symbol $a_{22} : (-0.0, inf)$
symbol $b_1 : [-0.0, inf)$
symbol $b_2 : -0.0$
symbol $a_{21} : (-inf, 0.0)$
 $-c_2a_{11} + c_1a_{12} > 0$
 $a_{11}a_{22} - a_{12}a_{21} > 0$
 $c_1a_{22} - c_2a_{21} > 0$
 $-3.00 \cdot a_{12}a_{11}^2a_{22}a_{21} + 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 - a_{12}^3a_{21}^3 + a_{11}^3a_{22}^3 \geq 0$
 $a_{11}^2a_{22}^2 - 2.00 \cdot a_{12}a_{11}a_{22}a_{21} + a_{12}^2a_{21}^2 > 0$
 $c_1a_{11}a_{22}^2 - c_2a_{11}a_{22}a_{21} - c_1a_{12}a_{22}a_{21} + a_{12}c_2a_{21}^2 \geq 0$
 $-3.00 \cdot a_{12}a_{11}^2a_{22}a_{21} + 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 - a_{12}^3a_{21}^3 + a_{11}^3a_{22}^3 > 0$
pot #99:
symbol $a_{12} : (-inf, 0.0]$
symbol $c_1 : (-inf, 0.0)$
symbol $a_{11} : (-0.0, inf)$
symbol $a_{22} : (-0.0, inf)$
symbol $b_1 : [-0.0, inf)$
symbol $b_2 : -0.0$
symbol $a_{21} : (-inf, 0.0)$
 $-c_2a_{11} + c_1a_{12} > 0$
 $a_{11}a_{22} - a_{12}a_{21} > 0$

$$c_1 a_{22} - c_2 a_{21} > 0$$

$$-3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 + a_{11}^3 a_{22}^3 \geq 0$$

$$a_{11}^2 a_{22}^2 - 2.00 \cdot a_{12} a_{11} a_{22} a_{21} + a_{12}^2 a_{21}^2 > 0$$

$$c_1 a_{11} a_{22}^2 - c_2 a_{11} a_{22} a_{21} - c_1 a_{12} a_{22} a_{21} + a_{12} c_2 a_{21}^2 \geq 0$$

$$-3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 + a_{11}^3 a_{22}^3 > 0$$

$$3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + a_{12}^3 a_{21}^3 - a_{11}^3 a_{22}^3 \geq 0$$

$$-a_{11}^3 a_{22}^3 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + a_{12}^3 a_{21}^3 > 0$$

x_0	$\frac{8.00 \cdot b_1 a_{12} a_{11}^7 a_{22}^7 a_{21} - 28.00 \cdot b_1 a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 56.00 \cdot b_1 a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - b_1 a_{11}^8 a_{22}^8 - 70.00 \cdot b_1 a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 + 56.00 \cdot b_1 a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - 28.00 \cdot b_1 a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 8.00 \cdot b_1 a_{12}^7 a_{11} a_{22} a_{21}^7 - a_{11}^9 a_{22}^9 + 8.00 \cdot a_{12} a_{11}^8 a_{22}^8 a_{21} - 28.00 \cdot a_{12}^2 a_{11}^7 a_{22}^7 a_{21}^2 + 56.00 \cdot a_{12}^3 a_{11}^6 a_{22}^6 a_{21}^3 - 70.00 \cdot a_{12}^4 a_{11}^5 a_{22}^5 a_{21}^4 + 56.00 \cdot a_{12}^5 a_{11}^4 a_{22}^4 a_{21}^5 - 28.00 \cdot a_{12}^6 a_{11}^3 a_{22}^3 a_{21}^6 + 8.00 \cdot a_{12}^7 a_{11}^2 a_{22}^2 a_{21}^7 - a_{11}^8 a_{22}^8 a_{21}^8}{-b_2 a_{11}^3 a_{22}^3 + 2.00 \cdot a_{12} b_2 a_{11}^2 a_{22} a_{21} - a_{12}^2 b_2 a_{11} a_{21}^2 + b_1 a_{11}^2 a_{22}^2 a_{21} - 2.00 \cdot b_1 a_{12} a_{11} a_{22} a_{21}^2 + a_{11}^3 a_{22}^3 + 2.00 \cdot a_{12} a_{11}^2 a_{22} a_{21} - a_{12}^2 a_{11} a_{21}^2}$
x_3	
Ψ	$\frac{-8.00 \cdot a_{12} c_1 a_{11}^7 a_{22}^7 b_1 a_{21} + 28.00 \cdot a_{12}^2 c_1 a_{11}^6 a_{22}^6 b_1 a_{21}^2 - 56.00 \cdot a_{12}^3 c_1 a_{11}^5 a_{22}^5 b_1 a_{21}^3 + c_1 b_1 a_{11}^8 a_{22}^8 + 70.00 \cdot a_{12}^4 c_1 a_{11}^4 a_{22}^4 b_1 a_{21}^4 - 56.00 \cdot a_{12}^5 c_1 a_{11}^3 a_{22}^3 b_1 a_{21}^5 - 28.00 \cdot a_{12}^6 c_1 a_{11}^2 a_{22}^2 b_1 a_{21}^6 + 8.00 \cdot a_{12}^7 c_1 a_{11} a_{22} a_{21}^7 - a_{11}^9 a_{22}^9 + 8.00 \cdot a_{12} a_{11}^8 a_{22}^8 a_{21} - 28.00 \cdot a_{12}^2 a_{11}^7 a_{22}^7 a_{21}^2 + 56.00 \cdot a_{12}^3 a_{11}^6 a_{22}^6 a_{21}^3 - 70.00 \cdot a_{12}^4 a_{11}^5 a_{22}^5 a_{21}^4 + 56.00 \cdot a_{12}^5 a_{11}^4 a_{22}^4 a_{21}^5 - 28.00 \cdot a_{12}^6 a_{11}^3 a_{22}^3 a_{21}^6 + 8.00 \cdot a_{12}^7 a_{11}^2 a_{22}^2 a_{21}^7 - a_{11}^8 a_{22}^8 a_{21}^8}{-a_{11}^3 a_{22}^3 + 2.00 \cdot a_{12} a_{11}^2 a_{22} a_{21} - a_{12}^2 a_{11} a_{21}^2}$

Table #0.1.1.-1

pots:

pot #0:

symbol $a_{12} : (-0.0, inf)$

symbol $c_1 : (-inf, 0.0)$

symbol $a_{11} : (-0.0, inf)$

symbol $a_{22} : (-inf, 0.0]$

symbol $b_1 : [-0.0, inf)$

symbol $b_2 : [-0.0, inf)$

symbol $a_{21} : (-inf, 0.0)$

$$-c_2 a_{11} + c_1 a_{12} > 0$$

$$a_{11} a_{22} - a_{12} a_{21} > 0$$

$$b_1 a_{22} - a_{12} b_2 \geq 0$$

$$c_1 a_{22} - c_2 a_{21} > 0$$

$$c_1 a_{11} a_{22}^2 - c_2 a_{11} a_{22} a_{21} - c_1 a_{12} a_{22} a_{21} + a_{12} c_2 a_{21}^2 \geq 0$$

$$-3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 + a_{11}^3 a_{22}^3 \geq 0$$

$$-a_{11}^3 a_{22}^3 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + a_{12}^3 a_{21}^3 > 0$$

pot #1:

symbol $a_{12} : (-0.0, inf)$

symbol $c_1 : (-inf, 0.0)$

symbol $a_{11} : (-0.0, inf)$

symbol $a_{22} : (-inf, 0.0]$

symbol $b_1 : [-0.0, inf)$

symbol $b_2 : [-0.0, inf)$

symbol $a_{21} : (-inf, 0.0)$

$$-c_2 a_{11} + c_1 a_{12} > 0$$

$$a_{11} a_{22} - a_{12} a_{21} > 0$$

$$b_1 a_{22} - a_{12} b_2 \geq 0$$

$$c_1 a_{22} - c_2 a_{21} > 0$$

$$c_1 a_{11} a_{22}^2 - c_2 a_{11} a_{22} a_{21} - c_1 a_{12} a_{22} a_{21} + a_{12} c_2 a_{21}^2 \geq 0$$

$$3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + a_{12}^3 a_{21}^3 - a_{11}^3 a_{22}^3 \geq 0$$

$$a_{11}^3 a_{22}^3 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 > 0$$

pot #2:

symbol $a_{12} : (-inf, 0.0]$

symbol $c_1 : (-inf, 0.0)$

symbol $a_{11} : (-0.0, inf)$

symbol $a_{22} : (-0.0, inf)$

symbol $b_1 : [-0.0, inf)$

symbol $b_2 : [-0.0, inf)$

symbol $a_{21} : (-inf, 0.0)$

$$-c_2 a_{11} + c_1 a_{12} > 0$$

$$a_{11} a_{22} - a_{12} a_{21} > 0$$

$$c_1 a_{22} - c_2 a_{21} > 0$$

$$3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + a_{12}^3 a_{21}^3 - a_{11}^3 a_{22}^3 \geq 0$$

$$a_{11}^2 a_{22}^2 - 2.00 \cdot a_{12} a_{11} a_{22} a_{21} + a_{12}^2 a_{21}^2 > 0$$

$$c_1 a_{11} a_{22}^2 - c_2 a_{11} a_{22} a_{21} - c_1 a_{12} a_{22} a_{21} + a_{12} c_2 a_{21}^2 \geq 0$$

$$-3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 + a_{11}^3 a_{22}^3 \geq 0$$

$$-a_{11}^3 a_{22}^3 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + a_{12}^3 a_{21}^3 > 0$$

pot #3:

symbol $a_{12} : (-inf, 0.0]$

symbol $c_1 : (-inf, 0.0)$
 symbol $a_{11} : (-0.0, inf)$
 symbol $a_{22} : (-0.0, inf)$
 symbol $b_1 : [-0.0, inf)$
 symbol $b_2 : [-0.0, inf)$
 symbol $a_{21} : (-inf, 0.0)$

$$-c_2 a_{11} + c_1 a_{12} > 0$$

$$a_{11} a_{22} - a_{12} a_{21} > 0$$

$$c_1 a_{22} - c_2 a_{21} > 0$$

$$3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + a_{12}^3 a_{21}^3 - a_{11}^3 a_{22}^3 \geq 0$$

$$a_{11}^2 a_{22}^2 - 2.00 \cdot a_{12} a_{11} a_{22} a_{21} + a_{12}^2 a_{21}^2 > 0$$

$$c_1 a_{11} a_{22}^2 - c_2 a_{11} a_{22} a_{21} - c_1 a_{12} a_{22} a_{21} + a_{12} c_2 a_{21}^2 \geq 0$$

$$a_{11}^3 a_{22}^3 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 > 0$$

pot #4:

symbol $a_{12} : (-inf, 0.0]$

symbol $c_1 : (-inf, 0.0)$

symbol $a_{11} : (-0.0, inf)$

symbol $a_{22} : (-0.0, inf)$

symbol $b_1 : [-0.0, inf)$

symbol $b_2 : [-0.0, inf)$

symbol $a_{21} : (-inf, 0.0)$

$$-c_2 a_{11} + c_1 a_{12} > 0$$

$$a_{11} a_{22} - a_{12} a_{21} > 0$$

$$c_1 a_{22} - c_2 a_{21} > 0$$

$$-3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 + a_{11}^3 a_{22}^3 \geq 0$$

$$-a_{11}^2 a_{22}^2 + 2.00 \cdot a_{12} a_{11} a_{22} a_{21} - a_{12}^2 a_{21}^2 > 0$$

$$c_1 a_{11} a_{22}^2 - c_2 a_{11} a_{22} a_{21} - c_1 a_{12} a_{22} a_{21} + a_{12} c_2 a_{21}^2 \geq 0$$

$$-a_{11}^3 a_{22}^3 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + a_{12}^3 a_{21}^3 > 0$$

pot #5:

symbol $a_{12} : (-inf, 0.0]$

symbol $c_1 : (-inf, 0.0)$

symbol $a_{11} : (-0.0, inf)$

symbol $a_{22} : (-0.0, inf)$

symbol $b_1 : [-0.0, inf)$

symbol $b_2 : [-0.0, inf)$

symbol $a_{21} : (-inf, 0.0)$

$$-c_2 a_{11} + c_1 a_{12} > 0$$

$$a_{11} a_{22} - a_{12} a_{21} > 0$$

$$c_1 a_{22} - c_2 a_{21} > 0$$

$$-3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 + a_{11}^3 a_{22}^3 \geq 0$$

$$-a_{11}^2 a_{22}^2 + 2.00 \cdot a_{12} a_{11} a_{22} a_{21} - a_{12}^2 a_{21}^2 > 0$$

$$c_1 a_{11} a_{22}^2 - c_2 a_{11} a_{22} a_{21} - c_1 a_{12} a_{22} a_{21} + a_{12} c_2 a_{21}^2 \geq 0$$

$$3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + a_{12}^3 a_{21}^3 - a_{11}^3 a_{22}^3 \geq 0$$

$$a_{11}^3 a_{22}^3 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 > 0$$

pot #6:

symbol $a_{12} : (-inf, 0.0]$

symbol $c_1 : (-inf, 0.0)$

symbol $a_{11} : (-0.0, inf)$

symbol $a_{22} : (-0.0, inf)$

symbol $b_1 : [-0.0, inf)$

symbol $b_2 : -0.0$

symbol $a_{21} : (-inf, 0.0)$

$-c_2 a_{11} + c_1 a_{12} > 0$

$a_{11} a_{22} - a_{12} a_{21} > 0$

$c_1 a_{22} - c_2 a_{21} > 0$

$3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + a_{12}^3 a_{21}^3 - a_{11}^3 a_{22}^3 \geq 0$

$-a_{11}^2 a_{22}^2 + 2.00 \cdot a_{12} a_{11} a_{22} a_{21} - a_{12}^2 a_{21}^2 > 0$

$c_1 a_{11} a_{22}^2 - c_2 a_{11} a_{22} a_{21} - c_1 a_{12} a_{22} a_{21} + a_{12} c_2 a_{21}^2 \geq 0$

$-3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 + a_{11}^3 a_{22}^3 \geq 0$

$-a_{11}^3 a_{22}^3 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + a_{12}^3 a_{21}^3 > 0$

pot #7:

symbol $a_{12} : (-inf, 0.0]$

symbol $c_1 : (-inf, 0.0)$

symbol $a_{11} : (-0.0, inf)$

symbol $a_{22} : (-0.0, inf)$

symbol $b_1 : [-0.0, inf)$

symbol $b_2 : -0.0$

symbol $a_{21} : (-inf, 0.0)$

$-c_2 a_{11} + c_1 a_{12} > 0$

$a_{11} a_{22} - a_{12} a_{21} > 0$

$c_1 a_{22} - c_2 a_{21} > 0$

$3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + a_{12}^3 a_{21}^3 - a_{11}^3 a_{22}^3 \geq 0$

$-a_{11}^2 a_{22}^2 + 2.00 \cdot a_{12} a_{11} a_{22} a_{21} - a_{12}^2 a_{21}^2 > 0$

$c_1 a_{11} a_{22}^2 - c_2 a_{11} a_{22} a_{21} - c_1 a_{12} a_{22} a_{21} + a_{12} c_2 a_{21}^2 \geq 0$

$a_{11}^3 a_{22}^3 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 > 0$

pot #8:

symbol $a_{12} : (-inf, 0.0]$

symbol $c_1 : (-inf, 0.0)$

symbol $a_{11} : (-0.0, inf)$

symbol $a_{22} : (-0.0, inf)$

symbol $b_1 : [-0.0, inf)$

symbol $b_2 : -0.0$

symbol $a_{21} : (-inf, 0.0)$

$-c_2 a_{11} + c_1 a_{12} > 0$

$a_{11} a_{22} - a_{12} a_{21} > 0$

$c_1 a_{22} - c_2 a_{21} > 0$

$-3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 + a_{11}^3 a_{22}^3 \geq 0$

$a_{11}^2 a_{22}^2 - 2.00 \cdot a_{12} a_{11} a_{22} a_{21} + a_{12}^2 a_{21}^2 > 0$

$c_1 a_{11} a_{22}^2 - c_2 a_{11} a_{22} a_{21} - c_1 a_{12} a_{22} a_{21} + a_{12} c_2 a_{21}^2 \geq 0$

$-a_{11}^3 a_{22}^3 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + a_{12}^3 a_{21}^3 > 0$

pot #9:

symbol $a_{12} : (-inf, 0.0]$

symbol $c_1 : (-inf, 0.0)$

symbol $a_{11} : (-0.0, inf)$

symbol $a_{22} : (-0.0, inf)$

symbol $b_1 : [-0.0, inf)$

symbol $b_2 : -0.0$

symbol $a_{21} : (-inf, 0.0)$

$-c_2 a_{11} + c_1 a_{12} > 0$

$a_{11} a_{22} - a_{12} a_{21} > 0$

$$c_1 a_{22} - c_2 a_{21} > 0$$

$$-3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 + a_{11}^3 a_{22}^3 \geq 0$$

$$a_{11}^2 a_{22}^2 - 2.00 \cdot a_{12} a_{11} a_{22} a_{21} + a_{12}^2 a_{21}^2 > 0$$

$$c_1 a_{11} a_{22}^2 - c_2 a_{11} a_{22} a_{21} - c_1 a_{12} a_{22} a_{21} + a_{12} c_2 a_{21}^2 \geq 0$$

$$3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + a_{12}^3 a_{21}^3 - a_{11}^3 a_{22}^3 \geq 0$$

$$a_{11}^3 a_{22}^3 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 > 0$$

		x_0	x_1	
x_0	$\frac{3.00 \cdot a_{12} b_2 a_{11}^2 a_{22}^2 a_{21} - 3.00 \cdot a_{12}^2 b_2 a_{11} a_{22} a_{21}^2 + a_{12}^3 b_2 a_{21}^3 - b_2 a_{11}^3 a_{22}^3}{-a_{11}^3 a_{22}^3 a_{21} + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21}^2 - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^3 + a_{12}^3 a_{21}^4}$	1.00	$\frac{-a_{11} a_{22}^2 + a_{12} a_{22} a_{21}}{-a_{11} a_{22} a_{21} + a_{12} a_{21}^2}$	
x_2	$\frac{b_2 a_{11}^2 a_{22} - a_{12} b_2 a_{11} a_{21} - b_1 a_{11} a_{22} a_{21} + b_1 a_{12} a_{21}^2}{-a_{11} a_{22} a_{21} + a_{12} a_{21}^2}$	0.0	$\frac{a_{11} a_{22} - a_{12} a_{21}}{-a_{21}}$	1
Ψ	$\frac{-3.00 \cdot a_{12} c_1 a_{11}^2 a_{22}^2 b_2 a_{21} + 3.00 \cdot a_{12}^2 c_1 a_{11} a_{22} b_2 a_{21}^2 - c_1 a_{12}^3 b_2 a_{21}^3 + c_1 b_2 a_{11}^3 a_{22}^3}{-a_{11}^3 a_{22}^3 a_{21} + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21}^2 - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^3 + a_{12}^3 a_{21}^4}$	0.0	$\frac{c_1 a_{11} a_{22}^2 - c_2 a_{11} a_{22} a_{21} - c_1 a_{12} a_{22} a_{21} + a_{12} c_2 a_{21}^2}{-a_{11} a_{22} a_{21} + a_{12} a_{21}^2}$	

Table #0.1.-1

pots:

pot #0:

symbol $a_{12} : (-0.0, inf)$

symbol $c_1 : (-inf, 0.0)$

symbol $a_{11} : (-0.0, inf)$

symbol $b_1 : [-0.0, inf)$

symbol $b_2 : [-0.0, inf)$

symbol $a_{21} : (-0.0, inf)$

$b_2 a_{11} - b_1 a_{21} \geq 0$

$-c_2 a_{11} + c_1 a_{12} > 0$

$a_{11} a_{22} - a_{12} a_{21} > 0$

$b_1 a_{22} - a_{12} b_2 \geq 0$

$-c_1 a_{22} + c_2 a_{21} \geq 0$

pot #1:

symbol $a_{12} : (-inf, 0.0]$

symbol $c_1 : (-inf, 0.0)$

symbol $a_{11} : (-0.0, inf)$

symbol $b_1 : [-0.0, inf)$

symbol $b_2 : [-0.0, inf)$

symbol $a_{21} : (-0.0, inf)$

$b_2 a_{11} - b_1 a_{21} \geq 0$

$-c_2 a_{11} + c_1 a_{12} > 0$

$a_{11} a_{22} - a_{12} a_{21} > 0$

$-c_1 a_{22} + c_2 a_{21} \geq 0$

pot #2:

symbol $a_{12} : (-0.0, inf)$

symbol $c_1 : (-inf, 0.0)$

symbol $a_{11} : (-0.0, inf)$

symbol $b_1 : [-0.0, inf)$

symbol $b_2 : [-0.0, inf)$

symbol $a_{21} : (-inf, 0.0]$

$-c_2 a_{11} + c_1 a_{12} > 0$

$a_{11} a_{22} - a_{12} a_{21} > 0$

$b_1 a_{22} - a_{12} b_2 \geq 0$

$-c_1 a_{22} + c_2 a_{21} \geq 0$

pot #3:

symbol $a_{12} : (-inf, 0.0]$

symbol $c_1 : (-inf, 0.0)$

symbol $a_{11} : (-0.0, inf)$

symbol $b_1 : [-0.0, inf)$

symbol $b_2 : [-0.0, inf)$

symbol $a_{21} : (-inf, 0.0]$

$-c_2 a_{11} + c_1 a_{12} > 0$

$a_{11} a_{22} - a_{12} a_{21} > 0$

$-c_1 a_{22} + c_2 a_{21} \geq 0$

		x_0	x_1	x_2	x_3
x_0	$\frac{b_1 a_{22} - a_{12} b_2}{a_{11} a_{22} - a_{12} a_{21}}$	1.00	0.0	$\frac{a_{22}}{a_{11} a_{22} - a_{12} a_{21}}$	$\frac{-a_{12}}{a_{11} a_{22} - a_{12} a_{21}}$
x_1	$\frac{b_2 a_{11} - b_1 a_{21}}{a_{11} a_{22} - a_{12} a_{21}}$	0.0	1.00	$\frac{-a_{21}}{a_{11} a_{22} - a_{12} a_{21}}$	$\frac{a_{11}}{a_{11} a_{22} - a_{12} a_{21}}$
Ψ	$\frac{-c_1 b_1 a_{22} - b_2 c_2 a_{11} + c_1 a_{12} b_2 + b_1 c_2 a_{21}}{a_{11} a_{22} - a_{12} a_{21}}$	0.0	0.0	$\frac{-c_1 a_{22} + c_2 a_{21}}{a_{11} a_{22} - a_{12} a_{21}}$	$\frac{-c_2 a_{11} + c_1 a_{12}}{a_{11} a_{22} - a_{12} a_{21}}$

Solution:

$$x_0 = \frac{b_1 a_{22} - a_{12} b_2}{a_{11} a_{22} - a_{12} a_{21}}$$

$$x_1 = \frac{b_2 a_{11} - b_1 a_{21}}{a_{11} a_{22} - a_{12} a_{21}}$$

$$x_2 = 0.0$$

$$x_3 = 0.0$$

$$\Psi = \frac{-c_1 b_1 a_{22} - b_2 c_2 a_{11} + c_1 a_{12} b_2 + b_1 c_2 a_{21}}{a_{11} a_{22} - a_{12} a_{21}}$$

Table #0.-1

pots:

pot #0:

symbol $c_1 : (-inf, 0.0)$

symbol $b_1 : [-0.0, inf)$

symbol $b_2 : [-0.0, inf)$

symbol $a_{11} : (-0.0, inf)$

symbol $a_{21} : (-0.0, inf)$

$b_2 a_{11} - b_1 a_{21} \geq 0$

$c_2 a_{11} - c_1 a_{12} \geq 0$

pot #1:

symbol $c_1 : (-inf, 0.0)$

symbol $b_1 : [-0.0, inf)$

symbol $b_2 : [-0.0, inf)$

symbol $a_{11} : (-0.0, inf)$

symbol $a_{21} : (-inf, 0.0]$

$c_2 a_{11} - c_1 a_{12} \geq 0$

		x_0	x_1	x_2	x_3
x_0	$\frac{b_1}{a_{11}}$	1.00	$\frac{a_{12}}{a_{11}}$	$\frac{1.00}{a_{11}}$	0.0
x_3	$\frac{b_2 a_{11} - b_1 a_{21}}{a_{11}}$	0.0	$\frac{a_{11} a_{22} - a_{12} a_{21}}{a_{11}}$	$\frac{-a_{21}}{a_{11}}$	1.00
Ψ	$\frac{-c_1 b_1}{a_{11}}$	0.0	$\frac{c_2 a_{11} - c_1 a_{12}}{a_{11}}$	$\frac{-c_1}{a_{11}}$	0.0

Solution:

$$x_0 = \frac{b_1}{a_{11}}$$

$$x_1 = 0.0$$

$$x_2 = 0.0$$

$$x_3 = \frac{b_2 a_{11} - b_1 a_{21}}{a_{11}}$$

$$\Psi = \frac{-c_1 b_1}{a_{11}}$$

Table #1

Moving out basis: x_3 from line: 1

Moving to basis: x_0

pots:

pot #0:

symbol c_1 : $(-inf, 0.0)$

symbol b_1 : $[-0.0, inf)$

symbol b_2 : $[-0.0, inf)$

symbol a_{11} : $(-0.0, inf)$

symbol a_{21} : $(-0.0, inf)$

$b_1 a_{21} - b_2 a_{11} \geq 0$

pot #1:

symbol c_1 : $(-inf, 0.0)$

symbol b_1 : $[-0.0, inf)$

symbol b_2 : $[-0.0, inf)$

symbol a_{11} : $(-inf, 0.0]$

symbol a_{21} : $(-0.0, inf)$

		x_0	x_1	x_2	x_3
x_2	$\frac{b_1 a_{21} - b_2 a_{11}}{a_{21}}$	0.0	$\frac{a_{12} a_{21} - a_{11} a_{22}}{a_{21}}$	1.00	$\frac{-a_{11}}{a_{21}}$
x_0	$\frac{b_2}{a_{21}}$	1.00	$\frac{a_{22}}{a_{21}}$	0.0	$\frac{1.00}{a_{21}}$
Ψ	$\frac{-c_1 b_2}{a_{21}}$	0.0	$\frac{c_2 a_{21} - c_1 a_{22}}{a_{21}}$	0.0	$\frac{-c_1}{a_{21}}$

Table #1.0

Moving out basis: x_2 from line: 0

Moving to basis: x_1

pots:

pot #0:

symbol $c_1 : (-inf, 0.0)$

symbol $a_{11} : (-0.0, inf)$

symbol $a_{22} : (-0.0, inf)$

symbol $b_1 : [-0.0, inf)$

symbol $b_2 : [-0.0, inf)$

symbol $a_{21} : (-0.0, inf)$

$b_1 a_{21} - b_2 a_{11} \geq 0$

$-c_2 a_{21} + c_1 a_{22} > 0$

$a_{12} a_{21} - a_{11} a_{22} > 0$

$a_{12} b_2 - b_1 a_{22} \geq 0$

pot #1:

symbol $c_1 : (-inf, 0.0)$

symbol $a_{11} : (-0.0, inf)$

symbol $a_{22} : (-inf, 0.0]$

symbol $b_1 : [-0.0, inf)$

symbol $b_2 : [-0.0, inf)$

symbol $a_{21} : (-0.0, inf)$

$b_1 a_{21} - b_2 a_{11} \geq 0$

$-c_2 a_{21} + c_1 a_{22} > 0$

$a_{12} a_{21} - a_{11} a_{22} > 0$

pot #2:

symbol $c_1 : (-inf, 0.0)$

symbol $a_{11} : (-inf, 0.0]$

symbol $a_{22} : (-0.0, inf)$

symbol $b_1 : [-0.0, inf)$

symbol $b_2 : [-0.0, inf)$

symbol $a_{21} : (-0.0, inf)$

$-c_2 a_{21} + c_1 a_{22} > 0$

$a_{12} a_{21} - a_{11} a_{22} > 0$

$a_{12} b_2 - b_1 a_{22} \geq 0$

pot #3:

symbol $c_1 : (-inf, 0.0)$

symbol $a_{11} : (-inf, 0.0]$

symbol $a_{22} : (-inf, 0.0]$

symbol $b_1 : [-0.0, inf)$

symbol $b_2 : [-0.0, inf)$

symbol $a_{21} : (-0.0, inf)$

$-c_2 a_{21} + c_1 a_{22} > 0$

$a_{12} a_{21} - a_{11} a_{22} > 0$

		x_0	x_1	x_2	x_3
x_1	$\frac{b_1 a_{21} - b_2 a_{11}}{a_{12} a_{21} - a_{11} a_{22}}$	0.0	1.00	$\frac{a_{21}}{a_{12} a_{21} - a_{11} a_{22}}$	$\frac{-a_{11}}{a_{12} a_{21} - a_{11} a_{22}}$
x_0	$\frac{a_{12} b_2 - b_1 a_{22}}{a_{12} a_{21} - a_{11} a_{22}}$	1.00	0.0	$\frac{-a_{22}}{a_{12} a_{21} - a_{11} a_{22}}$	$\frac{a_{12}}{a_{12} a_{21} - a_{11} a_{22}}$
Ψ	$\frac{-c_1 a_{12} b_2 - b_1 c_2 a_{21} + c_1 b_1 a_{22} + b_2 c_2 a_{11}}{a_{12} a_{21} - a_{11} a_{22}}$	0.0	0.0	$\frac{-c_2 a_{21} + c_1 a_{22}}{a_{12} a_{21} - a_{11} a_{22}}$	$\frac{-c_1 a_{12} + c_2 a_{11}}{a_{12} a_{21} - a_{11} a_{22}}$

Table #1.0.0

Moving out basis: x_1 from line: 0

Moving to basis: x_3

pots:

pot #0:

symbol a_{12} : $(-inf, 0.0]$

symbol c_1 : $(-inf, 0.0)$

symbol a_{11} : $(-inf, 0.0)$

symbol a_{22} : $(-0.0, inf)$

symbol b_1 : $[-0.0, inf)$

symbol b_2 : $[-0.0, inf)$

symbol a_{21} : $(-0.0, inf)$

$-c_2a_{21} + c_1a_{22} > 0$

$a_{12}a_{21} - a_{11}a_{22} > 0$

$a_{12}b_2 - b_1a_{22} \geq 0$

$c_1a_{12} - c_2a_{11} > 0$

pot #1:

symbol a_{12} : $(-0.0, inf)$

symbol c_1 : $(-inf, 0.0)$

symbol a_{11} : $(-inf, 0.0)$

symbol a_{22} : $(-inf, 0.0]$

symbol b_1 : $[-0.0, inf)$

symbol b_2 : $[-0.0, inf)$

symbol a_{21} : $(-0.0, inf)$

$-c_2a_{21} + c_1a_{22} > 0$

$a_{12}a_{21} - a_{11}a_{22} > 0$

$c_1a_{12} - c_2a_{11} > 0$

$3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 - 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} + a_{11}^3a_{22}^3 - a_{12}^3a_{21}^3 \geq 0$

$a_{12}^2a_{21}^2 - 2.00 \cdot a_{12}a_{11}a_{22}a_{21} + a_{11}^2a_{22}^2 > 0$

pot #2:

symbol a_{12} : $(-0.0, inf)$

symbol c_1 : $(-inf, 0.0)$

symbol a_{11} : $(-inf, 0.0)$

symbol a_{22} : $(-inf, 0.0]$

symbol b_1 : $[-0.0, inf)$

symbol b_2 : $[-0.0, inf)$

symbol a_{21} : $(-0.0, inf)$

$-c_2a_{21} + c_1a_{22} > 0$

$a_{12}a_{21} - a_{11}a_{22} > 0$

$c_1a_{12} - c_2a_{11} > 0$

$-3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 + 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} - a_{11}^3a_{22}^3 + a_{12}^3a_{21}^3 \geq 0$

$-a_{12}^2a_{21}^2 + 2.00 \cdot a_{12}a_{11}a_{22}a_{21} - a_{11}^2a_{22}^2 > 0$

pot #3:

symbol a_{12} : $(-0.0, inf)$

symbol c_1 : $(-inf, 0.0)$

symbol a_{11} : $(-inf, 0.0)$

symbol a_{22} : $(-inf, 0.0]$

symbol b_1 : -0.0

symbol b_2 : $[-0.0, inf)$

symbol $a_{21} : (-0.0, inf)$

$$-c_2 a_{21} + c_1 a_{22} > 0$$

$$a_{12} a_{21} - a_{11} a_{22} > 0$$

$$c_1 a_{12} - c_2 a_{11} > 0$$

$$3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 - a_{12}^3 a_{21}^3 \geq 0$$

$$-a_{12}^2 a_{21}^2 + 2.00 \cdot a_{12} a_{11} a_{22} a_{21} - a_{11}^2 a_{22}^2 > 0$$

pot #4:

symbol $a_{12} : (-0.0, inf)$

symbol $c_1 : (-inf, 0.0)$

symbol $a_{11} : (-inf, 0.0)$

symbol $a_{22} : (-inf, 0.0]$

symbol $b_1 : -0.0$

symbol $b_2 : [-0.0, inf)$

symbol $a_{21} : (-0.0, inf)$

$$-c_2 a_{21} + c_1 a_{22} > 0$$

$$a_{12} a_{21} - a_{11} a_{22} > 0$$

$$c_1 a_{12} - c_2 a_{11} > 0$$

$$-3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 + a_{12}^3 a_{21}^3 \geq 0$$

$$a_{12}^2 a_{21}^2 - 2.00 \cdot a_{12} a_{11} a_{22} a_{21} + a_{11}^2 a_{22}^2 > 0$$

		x_0	x_1	
x_3	$\frac{b_1 a_{12} a_{21}^2 - b_1 a_{11} a_{22} a_{21} - a_{12} b_2 a_{11} a_{21} + b_2 a_{11}^2 a_{22}}{-a_{12} a_{11} a_{21} + a_{11}^2 a_{22}}$	0.0	$\frac{a_{12} a_{21} - a_{11} a_{22}}{-a_{11}}$	
x_0	$\frac{3.00 \cdot b_1 a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot b_1 a_{12} a_{11}^2 a_{22}^2 a_{21} + b_1 a_{11}^3 a_{22}^3 - a_{12}^3 b_1 a_{21}^3}{-a_{12}^3 a_{11} a_{21}^3 + 3.00 \cdot a_{12}^2 a_{11}^2 a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^3 a_{22}^2 a_{21} + a_{11}^4 a_{22}^3}$	1.00	$\frac{-a_{12}^2 a_{21} + a_{12} a_{11} a_{22}}{-a_{12} a_{11} a_{21} + a_{11}^2 a_{22}}$	
Ψ	$\frac{-3.00 \cdot a_{12}^2 c_1 a_{11} a_{22} b_1 a_{21}^2 + 3.00 \cdot a_{12} c_1 a_{11}^2 a_{22}^2 b_1 a_{21} - c_1 b_1 a_{11}^3 a_{22}^3 + c_1 a_{12}^3 b_1 a_{21}^3}{-a_{12}^3 a_{11} a_{21}^3 + 3.00 \cdot a_{12}^2 a_{11}^2 a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^3 a_{22}^2 a_{21} + a_{11}^4 a_{22}^3}$	0.0	$\frac{c_1 a_{12}^2 a_{21} - a_{12} c_2 a_{11} a_{21} - c_1 a_{12} a_{11} a_{22} + c_2 a_{11}^2 a_{22}}{-a_{12} a_{11} a_{21} + a_{11}^2 a_{22}}$	

Table #1.0.0.0

Moving out basis: x_3 from line: 0

Moving to basis: x_1

pots:

pot #0:

symbol a_{12} : $(-inf, 0.0)$

symbol c_1 : $(-inf, 0.0)$

symbol a_{11} : $(-inf, 0.0)$

symbol a_{22} : $(-0.0, inf)$

symbol b_1 : $[-0.0, inf)$

symbol b_2 : $[-0.0, inf)$

symbol a_{21} : $(-0.0, inf)$

$$-c_2 a_{21} + c_1 a_{22} > 0$$

$$a_{12} a_{21} - a_{11} a_{22} > 0$$

$$a_{12} b_2 - b_1 a_{22} \geq 0$$

$$c_1 a_{12} - c_2 a_{11} > 0$$

$$-c_1 a_{12}^2 a_{21} + a_{12} c_2 a_{11} a_{21} + c_1 a_{12} a_{11} a_{22} - c_2 a_{11}^2 a_{22} > 0$$

$$b_1 a_{12}^5 a_{22} a_{21}^5 - 5.00 \cdot b_1 a_{12}^4 a_{11} a_{22}^2 a_{21}^4 + 10.00 \cdot b_1 a_{12}^3 a_{11}^2 a_{22}^3 a_{21}^3 - 10.00 \cdot b_1 a_{12}^2 a_{11}^3 a_{22}^4 a_{21}^2 + 5.00 \cdot$$

$$b_1 a_{12} a_{11}^4 a_{22}^5 a_{21} - b_1 a_{11}^5 a_{22}^6 - a_{12}^6 b_2 a_{21}^5 + 5.00 \cdot a_{12}^5 b_2 a_{11} a_{22} a_{21}^4 - 10.00 \cdot a_{12}^4 b_2 a_{11}^2 a_{22}^2 a_{21}^3 + 10.00 \cdot$$

$$a_{12}^3 b_2 a_{11}^3 a_{22}^3 a_{21}^2 - 5.00 \cdot a_{12}^2 b_2 a_{11}^4 a_{22}^4 a_{21} + a_{12} b_2 a_{11}^5 a_{22}^5 \geq 0$$

$$-a_{12}^6 a_{21}^6 + 6.00 \cdot a_{12}^5 a_{11} a_{22} a_{21}^5 - 15.00 \cdot a_{12}^4 a_{11}^2 a_{22}^2 a_{21}^4 + 20.00 \cdot a_{12}^3 a_{11}^3 a_{22}^3 a_{21}^3 - 15.00 \cdot a_{12}^2 a_{11}^4 a_{22}^4 a_{21}^2 +$$

$$6.00 \cdot a_{12} a_{11}^5 a_{22}^5 a_{21} - a_{11}^6 a_{22}^6 > 0$$

pot #1:

symbol a_{12} : $(-inf, 0.0)$

symbol c_1 : $(-inf, 0.0)$

symbol a_{11} : $(-inf, 0.0)$

symbol a_{22} : $(-0.0, inf)$

symbol b_1 : $[-0.0, inf)$

symbol b_2 : $[-0.0, inf)$

symbol a_{21} : $(-0.0, inf)$

$$-c_2 a_{21} + c_1 a_{22} > 0$$

$$a_{12} a_{21} - a_{11} a_{22} > 0$$

$$a_{12} b_2 - b_1 a_{22} \geq 0$$

$$c_1 a_{12} - c_2 a_{11} > 0$$

$$-c_1 a_{12}^2 a_{21} + a_{12} c_2 a_{11} a_{21} + c_1 a_{12} a_{11} a_{22} - c_2 a_{11}^2 a_{22} > 0$$

$$-b_1 a_{12}^5 a_{22} a_{12}^5 + 5.00 \cdot b_1 a_{12}^4 a_{11} a_{22}^2 a_{12}^4 - 10.00 \cdot b_1 a_{12}^3 a_{11}^2 a_{22}^3 a_{12}^3 + 10.00 \cdot b_1 a_{12}^2 a_{11}^3 a_{22}^4 a_{12}^2 - 5.00 \cdot$$

$$b_1 a_{12} a_{11}^4 a_{22}^5 a_{12} + b_1 a_{11}^5 a_{22}^6 + a_{12}^6 b_2 a_{21}^5 - 5.00 \cdot a_{12}^5 b_2 a_{11} a_{22} a_{21}^4 + 10.00 \cdot a_{12}^4 b_2 a_{11}^2 a_{22}^2 a_{21}^3 - 10.00 \cdot$$

$$a_{12}^3 b_2 a_{11}^3 a_{22}^3 a_{21}^2 + 5.00 \cdot a_{12}^2 b_2 a_{11}^4 a_{22}^4 a_{21} - a_{12} b_2 a_{11}^5 a_{22}^5 \geq 0$$

$$a_{12}^6 a_{21}^6 - 6.00 \cdot a_{12}^5 a_{11} a_{22} a_{21}^5 + 15.00 \cdot a_{12}^4 a_{11}^2 a_{22}^2 a_{21}^4 - 20.00 \cdot a_{12}^3 a_{11}^3 a_{22}^3 a_{21}^3 + 15.00 \cdot a_{12}^2 a_{11}^4 a_{22}^4 a_{21}^2 -$$

$$6.00 \cdot a_{12} a_{11}^5 a_{22}^5 a_{21} + a_{11}^6 a_{22}^6 > 0$$

pot #2:

symbol a_{12} : $(-0.0, inf)$

symbol c_1 : $(-inf, 0.0)$

symbol a_{11} : $(-inf, 0.0)$

symbol a_{22} : $(-inf, 0.0]$

symbol b_1 : $[-0.0, inf)$

symbol b_2 : $[-0.0, inf)$

symbol a_{21} : $(-0.0, inf)$

$$-c_2 a_{21} + c_1 a_{22} > 0$$

$$a_{12}a_{21} - a_{11}a_{22} > 0$$

$$c_1a_{12} - c_2a_{11} > 0$$

$$3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 - 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} + a_{11}^3a_{22}^3 - a_{12}^3a_{21}^3 \geq 0$$

$$a_{12}^2a_{21}^2 - 2.00 \cdot a_{12}a_{11}a_{22}a_{21} + a_{11}^2a_{22}^2 > 0$$

$$-c_1a_{12}^2a_{21} + a_{12}c_2a_{11}a_{21} + c_1a_{12}a_{11}a_{22} - c_2a_{11}^2a_{22} > 0$$

$$a_{12}a_{21} - a_{11}a_{22} \geq 0$$

pot #3:

symbol a_{12} : $(-0.0, inf)$

symbol c_1 : $(-inf, 0.0)$

symbol a_{11} : $(-inf, 0.0)$

symbol a_{22} : $(-inf, 0.0]$

symbol b_1 : $[-0.0, inf)$

symbol b_2 : $[-0.0, inf)$

symbol a_{21} : $(-0.0, inf)$

$$-c_2a_{21} + c_1a_{22} > 0$$

$$a_{12}a_{21} - a_{11}a_{22} > 0$$

$$c_1a_{12} - c_2a_{11} > 0$$

$$-3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 + 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} - a_{11}^3a_{22}^3 + a_{12}^3a_{21}^3 \geq 0$$

$$-a_{12}^2a_{21}^2 + 2.00 \cdot a_{12}a_{11}a_{22}a_{21} - a_{11}^2a_{22}^2 > 0$$

$$-c_1a_{12}^2a_{21} + a_{12}c_2a_{11}a_{21} + c_1a_{12}a_{11}a_{22} - c_2a_{11}^2a_{22} > 0$$

$$a_{12}a_{21} - a_{11}a_{22} \geq 0$$

pot #4:

symbol a_{12} : $(-0.0, inf)$

symbol c_1 : $(-inf, 0.0)$

symbol a_{11} : $(-inf, 0.0)$

symbol a_{22} : $(-inf, 0.0]$

symbol b_1 : -0.0

symbol b_2 : $[-0.0, inf)$

symbol a_{21} : $(-0.0, inf)$

$$-c_2a_{21} + c_1a_{22} > 0$$

$$a_{12}a_{21} - a_{11}a_{22} > 0$$

$$c_1a_{12} - c_2a_{11} > 0$$

$$3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 - 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} + a_{11}^3a_{22}^3 - a_{12}^3a_{21}^3 \geq 0$$

$$-a_{12}^2a_{21}^2 + 2.00 \cdot a_{12}a_{11}a_{22}a_{21} - a_{11}^2a_{22}^2 > 0$$

$$-c_1a_{12}^2a_{21} + a_{12}c_2a_{11}a_{21} + c_1a_{12}a_{11}a_{22} - c_2a_{11}^2a_{22} > 0$$

$$a_{12}a_{21} - a_{11}a_{22} \geq 0$$

pot #5:

symbol a_{12} : $(-0.0, inf)$

symbol c_1 : $(-inf, 0.0)$

symbol a_{11} : $(-inf, 0.0)$

symbol a_{22} : $(-inf, 0.0]$

symbol b_1 : -0.0

symbol b_2 : $[-0.0, inf)$

symbol a_{21} : $(-0.0, inf)$

$$-c_2a_{21} + c_1a_{22} > 0$$

$$a_{12}a_{21} - a_{11}a_{22} > 0$$

$$c_1a_{12} - c_2a_{11} > 0$$

$$-3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 + 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} - a_{11}^3a_{22}^3 + a_{12}^3a_{21}^3 \geq 0$$

$$a_{12}^2a_{21}^2 - 2.00 \cdot a_{12}a_{11}a_{22}a_{21} + a_{11}^2a_{22}^2 > 0$$

$$-c_1a_{12}^2a_{21} + a_{12}c_2a_{11}a_{21} + c_1a_{12}a_{11}a_{22} - c_2a_{11}^2a_{22} > 0$$

$a_{12}a_{21} - a_{11}a_{22} \geqslant 0$

x_1	
x_0	
Ψ	$\frac{-c_1a_{12}^5a_{21}^5a_{22}b_1+5.00\cdot a_{12}^4c_1a_{11}a_{22}^2b_1a_{21}^4-10.00\cdot a_{12}^3c_1a_{11}^2a_{22}^3b_1a_{21}^3+10.00\cdot a_{12}^2c_1a_{11}^3a_{22}^4b_1a_{21}^2-5.00\cdot a_{12}c_1a_{11}^4a_{22}^5b_1a_{21}+c_1b_1a_{11}^5a_{22}^6+a_{12}^5c_2b_1a_{21}^5}{}$

Table #1.0.0.1

Moving out basis: x_0 from line: 1

Moving to basis: x_1

pots:

pot #0:

symbol a_{12} : $(-inf, 0.0)$

symbol c_1 : $(-inf, 0.0)$

symbol a_{11} : $(-inf, 0.0)$

symbol a_{22} : $(-0.0, inf)$

symbol b_1 : $[-0.0, inf)$

symbol b_2 : $[-0.0, inf)$

symbol a_{21} : $(-0.0, inf)$

$$-c_2 a_{21} + c_1 a_{22} > 0$$

$$a_{12} a_{21} - a_{11} a_{22} > 0$$

$$a_{12} b_2 - b_1 a_{22} \geq 0$$

$$c_1 a_{12} - c_2 a_{11} > 0$$

$$-c_1 a_{12}^2 a_{21} + a_{12} c_2 a_{11} a_{21} + c_1 a_{12} a_{11} a_{22} - c_2 a_{11}^2 a_{22} > 0$$

$$-b_1 a_{12}^5 a_{22} a_{21}^5 + 5.00 \cdot b_1 a_{12}^4 a_{11} a_{22}^2 a_{21}^4 - 10.00 \cdot b_1 a_{12}^3 a_{11}^2 a_{22}^3 a_{21}^3 + 10.00 \cdot b_1 a_{12}^2 a_{11}^3 a_{22}^4 a_{21}^2 - 5.00 \cdot$$

$$b_1 a_{12} a_{11}^4 a_{22}^5 a_{21} + a_{12}^6 b_2 a_{21}^5 - 5.00 \cdot a_{12}^5 b_2 a_{11} a_{22} a_{21}^4 + 10.00 \cdot a_{12}^4 b_2 a_{11}^2 a_{22}^2 a_{21}^3 - 10.00 \cdot$$

$$a_{12}^3 b_2 a_{11}^3 a_{22}^3 a_{21}^2 + 5.00 \cdot a_{12}^2 b_2 a_{11}^4 a_{22}^4 a_{21} - a_{12} b_2 a_{11}^5 a_{22}^5 + b_1 a_{11}^5 a_{22}^6 \geq 0$$

$$-a_{12}^6 a_{21}^6 + 6.00 \cdot a_{12}^5 a_{11} a_{22} a_{21}^5 - 15.00 \cdot a_{12}^4 a_{11}^2 a_{22}^2 a_{21}^4 + 20.00 \cdot a_{12}^3 a_{11}^3 a_{22}^3 a_{21}^3 - 15.00 \cdot a_{12}^2 a_{11}^4 a_{22}^4 a_{21}^2 +$$

$$6.00 \cdot a_{12} a_{11}^5 a_{22}^5 a_{21} - a_{11}^6 a_{22}^6 > 0$$

pot #1:

symbol a_{12} : $(-inf, 0.0)$

symbol c_1 : $(-inf, 0.0)$

symbol a_{11} : $(-inf, 0.0)$

symbol a_{22} : $(-0.0, inf)$

symbol b_1 : $[-0.0, inf)$

symbol b_2 : $[-0.0, inf)$

symbol a_{21} : $(-0.0, inf)$

$$-c_2 a_{21} + c_1 a_{22} > 0$$

$$a_{12} a_{21} - a_{11} a_{22} > 0$$

$$a_{12} b_2 - b_1 a_{22} \geq 0$$

$$c_1 a_{12} - c_2 a_{11} > 0$$

$$-c_1 a_{12}^2 a_{21} + a_{12} c_2 a_{11} a_{21} + c_1 a_{12} a_{11} a_{22} - c_2 a_{11}^2 a_{22} > 0$$

$$b_1 a_{21}^5 a_{22} a_{12}^5 - 5.00 \cdot b_1 a_{21}^4 a_{11} a_{22}^2 a_{12}^4 + 10.00 \cdot b_1 a_{21}^3 a_{11}^2 a_{22}^3 a_{12}^3 - 10.00 \cdot b_1 a_{21}^2 a_{11}^3 a_{22}^4 a_{12}^2 + 5.00 \cdot$$

$$b_1 a_{21} a_{11}^4 a_{22}^5 a_{12} - a_{12}^6 b_2 a_{21}^5 + 5.00 \cdot a_{12}^5 b_2 a_{11} a_{22} a_{21}^4 - 10.00 \cdot a_{12}^4 b_2 a_{11}^2 a_{22}^2 a_{21}^3 + 10.00 \cdot$$

$$a_{12}^3 b_2 a_{11}^3 a_{22}^3 a_{21}^2 - 5.00 \cdot a_{12}^2 b_2 a_{11}^4 a_{22}^4 a_{21} + a_{12} b_2 a_{11}^5 a_{22}^5 - b_1 a_{11}^5 a_{22}^6 \geq 0$$

$$a_{12}^6 a_{21}^6 - 6.00 \cdot a_{12}^5 a_{11} a_{22} a_{21}^5 + 15.00 \cdot a_{12}^4 a_{11}^2 a_{22}^2 a_{21}^4 - 20.00 \cdot a_{12}^3 a_{11}^3 a_{22}^3 a_{21}^3 + 15.00 \cdot a_{12}^2 a_{11}^4 a_{22}^4 a_{21}^2 -$$

$$6.00 \cdot a_{12} a_{11}^5 a_{22}^5 a_{21} + a_{11}^6 a_{22}^6 > 0$$

x_3	$\frac{-b_1 a_{21}^5 a_{22} a_{12}^5 + 5.00 \cdot b_1 a_{21}^4 a_{11} a_{22}^2 a_{12}^4 - 10.00 \cdot b_1 a_{21}^3 a_{11}^2 a_{22}^3 a_{12}^3 + 10.00 \cdot b_1 a_{21}^2 a_{11}^3 a_{22}^4 a_{12}^2 - 5.00 \cdot b_1 a_{21} a_{11}^4 a_{22}^5 a_{12} + a_{12}^6 b_2 a_{21}^5 - 5.00 \cdot a_{12}^5 b_2 a_{11} a_{22} a_{21}^4 + 10.00 \cdot a_{12}^4 b_2 a_{11}^2 a_{22}^2 a_{21}^3 - 10.00 \cdot a_{12}^3 b_2 a_{11}^3 a_{22}^3 a_{21}^2 + 5.00 \cdot a_{12}^2 b_2 a_{11}^4 a_{22}^4 a_{21} - a_{12} b_2 a_{11}^5 a_{22}^5 + b_1 a_{11}^5 a_{22}^6}{a_{12}^6 a_{21}^6 - 6.00 \cdot a_{12}^5 a_{11} a_{22} a_{21}^5 + 15.00 \cdot a_{12}^4 a_{11}^2 a_{22}^2 a_{21}^4 - 20.00 \cdot a_{12}^3 a_{11}^3 a_{22}^3 a_{21}^3 + 15.00 \cdot a_{12}^2 a_{11}^4 a_{22}^4 a_{21}^2 - 6.00 \cdot a_{12} a_{11}^5 a_{22}^5 a_{21} + a_{11}^6 a_{22}^6}$
x_1	$\frac{-4.00 \cdot b_1 a_{12}^3 a_{11} a_{22} a_{21}^3 + 6.00 \cdot b_1 a_{12}^2 a_{11}^2 a_{22}^2 a_{21}^2 - 4.00 \cdot b_1 a_{12} a_{11}^3 a_{22}^3 a_{21} + 5.00 \cdot b_1 a_{12}^4 a_{11}^4 a_{22}^4 a_{21} - 4.00 \cdot a_{12}^5 b_2 a_{11} a_{22} a_{21}^4 + 10.00 \cdot a_{12}^4 b_2 a_{11}^2 a_{22}^2 a_{21}^3 - 10.00 \cdot a_{12}^3 b_2 a_{11}^3 a_{22}^3 a_{21}^2 + 5.00 \cdot a_{12}^2 b_2 a_{11}^4 a_{22}^4 a_{21} - a_{12} b_2 a_{11}^5 a_{22}^5 + b_1 a_{11}^5 a_{22}^6}{a_{12}^6 a_{21}^6 - 6.00 \cdot a_{12}^5 a_{11} a_{22} a_{21}^5 + 15.00 \cdot a_{12}^4 a_{11}^2 a_{22}^2 a_{21}^4 - 20.00 \cdot a_{12}^3 a_{11}^3 a_{22}^3 a_{21}^3 + 15.00 \cdot a_{12}^2 a_{11}^4 a_{22}^4 a_{21}^2 - 6.00 \cdot a_{12} a_{11}^5 a_{22}^5 a_{21} + a_{11}^6 a_{22}^6}$
Ψ	$\frac{8.00 \cdot a_{12}^7 c_2 a_{11} a_{22} b_1 a_{21}^7 - 28.00 \cdot a_{12}^6 c_2 a_{11}^2 a_{22}^2 b_1 a_{21}^6 + 56.00 \cdot a_{12}^5 c_2 a_{11}^3 a_{22}^3 b_1 a_{21}^5 - 70.00 \cdot a_{12}^4 c_2 a_{11}^4 a_{22}^4 b_1 a_{21}^4 + 56.00 \cdot a_{12}^3 c_2 a_{11}^5 a_{22}^5 b_1 a_{21}^3 - 28.00 \cdot a_{12}^2 c_2 a_{11}^6 a_{22}^6 b_1 a_{21}^2 + 8.00 \cdot a_{12} c_2 a_{11}^7 a_{22}^7 b_1 a_{21}}{a_{12}^9 a_{21}^8 - 8.00 \cdot a_{12}^8 a_{11} a_{22} a_{21}^7 + 28.00 \cdot a_{12}^7 a_{11}^2 a_{22}^2 a_{21}^6 - 56.00 \cdot a_{12}^6 a_{11}^3 a_{22}^3 a_{21}^5 + 70.00 \cdot a_{12}^5 a_{11}^4 a_{22}^4 a_{21}^4 - 56.00 \cdot a_{12}^4 a_{11}^5 a_{22}^5 a_{21}^3 + 28.00 \cdot a_{12}^3 a_{11}^6 a_{22}^6 a_{21}^2 - 8.00 \cdot a_{12}^2 a_{11}^7 a_{22}^7 a_{21}}$

Table #1.0.0.0

Moving out basis: x_3 from line: 0

Moving to basis: x_2

pots:

pot #0:

symbol a_{12} : $(-\inf, 0.0]$

symbol c_1 : $(-\inf, 0.0)$

symbol a_{11} : $(-\inf, 0.0)$

symbol a_{22} : $(-0.0, \inf)$

symbol b_1 : $[-0.0, \inf)$

symbol b_2 : $[-0.0, \inf)$

symbol a_{21} : $(-0.0, \inf)$

$$-c_2 a_{21} + c_1 a_{22} > 0$$

$$a_{12} a_{21} - a_{11} a_{22} > 0$$

$$a_{12} b_2 - b_1 a_{22} \geq 0$$

$$c_1 a_{12} - c_2 a_{11} > 0$$

$$c_1 a_{12}^2 a_{21} - a_{12} c_2 a_{11} a_{21} - c_1 a_{12} a_{11} a_{22} + c_2 a_{11}^2 a_{22} \geq 0$$

$$3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 - a_{12}^3 a_{21}^3 > 0$$

$$a_{12}^3 a_{21}^3 - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 > 0$$

$$8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 + 56.00 \cdot$$

$$a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - a_{12}^8 a_{21}^8 - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - a_{11}^8 a_{22}^8 \geq 0$$

$$-8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 - 56.00 \cdot$$

$$a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + a_{12}^8 a_{21}^8 + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + a_{11}^8 a_{22}^8 > 0$$

pot #1:

symbol a_{12} : $(-\inf, 0.0]$

symbol c_1 : $(-\inf, 0.0)$

symbol a_{11} : $(-\inf, 0.0)$

symbol a_{22} : $(-0.0, \inf)$

symbol b_1 : $[-0.0, \inf)$

symbol b_2 : $[-0.0, \inf)$

symbol a_{21} : $(-0.0, \inf)$

$$-c_2 a_{21} + c_1 a_{22} > 0$$

$$a_{12} a_{21} - a_{11} a_{22} > 0$$

$$a_{12} b_2 - b_1 a_{22} \geq 0$$

$$c_1 a_{12} - c_2 a_{11} > 0$$

$$c_1 a_{12}^2 a_{21} - a_{12} c_2 a_{11} a_{21} - c_1 a_{12} a_{11} a_{22} + c_2 a_{11}^2 a_{22} \geq 0$$

$$3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 - a_{12}^3 a_{21}^3 > 0$$

$$a_{12}^3 a_{21}^3 - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 > 0$$

$$-8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 - 56.00 \cdot$$

$$a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + a_{12}^8 a_{21}^8 + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + a_{11}^8 a_{22}^8 \geq 0$$

$$8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 + 56.00 \cdot$$

$$a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - a_{12}^8 a_{21}^8 - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - a_{11}^8 a_{22}^8 > 0$$

pot #2:

symbol a_{12} : $(-\inf, 0.0]$

symbol c_1 : $(-\inf, 0.0)$

symbol a_{11} : $(-\inf, 0.0)$

symbol a_{22} : $(-0.0, \inf)$

symbol b_1 : $[-0.0, \inf)$

symbol b_2 : -0.0

$$a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + a_{12}^8 a_{21}^8 + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + a_{11}^8 a_{22}^8 > 0$$

pot #5:

symbol $a_{12} : (-inf, 0.0]$

symbol $c_1 : (-inf, 0.0)$

symbol $a_{11} : (-inf, 0.0)$

symbol $a_{22} : (-0.0, inf)$

symbol $b_1 : [-0.0, inf)$

symbol $b_2 : [-0.0, inf)$

symbol $a_{21} : (-0.0, inf)$

$$-c_2 a_{21} + c_1 a_{22} > 0$$

$$a_{12} a_{21} - a_{11} a_{22} > 0$$

$$a_{12} b_2 - b_1 a_{22} \geq 0$$

$$c_1 a_{12} - c_2 a_{11} > 0$$

$$c_1 a_{12}^2 a_{21} - a_{12} c_2 a_{11} a_{21} - c_1 a_{12} a_{11} a_{22} + c_2 a_{11}^2 a_{22} \geq 0$$

$$3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 - a_{12}^3 a_{21}^3 > 0$$

$$-3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 + a_{12}^3 a_{21}^3 > 0$$

$$-8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 - 56.00 \cdot$$

$$a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + a_{12}^8 a_{21}^8 + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + a_{11}^8 a_{22}^8 \geq 0$$

$$8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 + 56.00 \cdot$$

$$a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - a_{12}^8 a_{21}^8 - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - a_{11}^8 a_{22}^8 > 0$$

pot #6:

symbol $a_{12} : (-inf, 0.0]$

symbol $c_1 : (-inf, 0.0)$

symbol $a_{11} : (-inf, 0.0)$

symbol $a_{22} : (-0.0, inf)$

symbol $b_1 : [-0.0, inf)$

symbol $b_2 : -0.0$

symbol $a_{21} : (-0.0, inf)$

$$-c_2 a_{21} + c_1 a_{22} > 0$$

$$a_{12} a_{21} - a_{11} a_{22} > 0$$

$$a_{12} b_2 - b_1 a_{22} \geq 0$$

$$c_1 a_{12} - c_2 a_{11} > 0$$

$$c_1 a_{12}^2 a_{21} - a_{12} c_2 a_{11} a_{21} - c_1 a_{12} a_{11} a_{22} + c_2 a_{11}^2 a_{22} \geq 0$$

$$3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 - a_{12}^3 a_{21}^3 > 0$$

$$-3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 + a_{12}^3 a_{21}^3 > 0$$

$$8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 + 56.00 \cdot$$

$$a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - a_{12}^8 a_{21}^8 - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - a_{11}^8 a_{22}^8 \geq 0$$

$$8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 + 56.00 \cdot$$

$$a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - a_{12}^8 a_{21}^8 - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - a_{11}^8 a_{22}^8 > 0$$

pot #7:

symbol $a_{12} : (-inf, 0.0]$

symbol $c_1 : (-inf, 0.0)$

symbol $a_{11} : (-inf, 0.0)$

symbol $a_{22} : (-0.0, inf)$

symbol $b_1 : [-0.0, inf)$

symbol $b_2 : -0.0$

symbol $a_{21} : (-0.0, inf)$

$$-c_2 a_{21} + c_1 a_{22} > 0$$

$$a_{12} a_{21} - a_{11} a_{22} > 0$$

$$a_{12} b_2 - b_1 a_{22} \geq 0$$

$$c_1 a_{12} - c_2 a_{11} > 0$$

$$\begin{aligned}
& c_1 a_{12}^2 a_{21} - a_{12} c_2 a_{11} a_{21} - c_1 a_{12} a_{11} a_{22} + c_2 a_{11}^2 a_{22} \geq 0 \\
& 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 - a_{12}^3 a_{21}^3 > 0 \\
& -3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 + a_{12}^3 a_{21}^3 > 0 \\
& -8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 - 56.00 \cdot \\
& a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + a_{12}^8 a_{21}^8 + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + a_{11}^8 a_{22}^8 \geq 0 \\
& -8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 - 56.00 \cdot \\
& a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + a_{12}^8 a_{21}^8 + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + a_{11}^8 a_{22}^8 > 0
\end{aligned}$$

pot #8:

symbol a_{12} : $(-inf, 0.0]$

symbol c_1 : $(-inf, 0.0)$

symbol a_{11} : $(-inf, 0.0)$

symbol a_{22} : $(-0.0, inf)$

symbol b_1 : $[-0.0, inf)$

symbol b_2 : $[-0.0, inf)$

symbol a_{21} : $(-0.0, inf)$

$$-c_2 a_{21} + c_1 a_{22} > 0$$

$$a_{12} a_{21} - a_{11} a_{22} > 0$$

$$a_{12} b_2 - b_1 a_{22} \geq 0$$

$$c_1 a_{12} - c_2 a_{11} > 0$$

$$c_1 a_{12}^2 a_{21} - a_{12} c_2 a_{11} a_{21} - c_1 a_{12} a_{11} a_{22} + c_2 a_{11}^2 a_{22} \geq 0$$

$$-3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 + a_{12}^3 a_{21}^3 > 0$$

$$3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 - a_{12}^3 a_{21}^3 > 0$$

$$8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 + 56.00 \cdot$$

$$a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - a_{12}^8 a_{21}^8 - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - a_{11}^8 a_{22}^8 \geq 0$$

$$-8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 - 56.00 \cdot$$

$$a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + a_{12}^8 a_{21}^8 + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + a_{11}^8 a_{22}^8 > 0$$

pot #9:

symbol a_{12} : $(-inf, 0.0]$

symbol c_1 : $(-inf, 0.0)$

symbol a_{11} : $(-inf, 0.0)$

symbol a_{22} : $(-0.0, inf)$

symbol b_1 : $[-0.0, inf)$

symbol b_2 : $[-0.0, inf)$

symbol a_{21} : $(-0.0, inf)$

$$-c_2 a_{21} + c_1 a_{22} > 0$$

$$a_{12} a_{21} - a_{11} a_{22} > 0$$

$$a_{12} b_2 - b_1 a_{22} \geq 0$$

$$c_1 a_{12} - c_2 a_{11} > 0$$

$$c_1 a_{12}^2 a_{21} - a_{12} c_2 a_{11} a_{21} - c_1 a_{12} a_{11} a_{22} + c_2 a_{11}^2 a_{22} \geq 0$$

$$-3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 + a_{12}^3 a_{21}^3 > 0$$

$$3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 - a_{12}^3 a_{21}^3 > 0$$

$$-8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 - 56.00 \cdot$$

$$a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + a_{12}^8 a_{21}^8 + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + a_{11}^8 a_{22}^8 \geq 0$$

$$8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 + 56.00 \cdot$$

$$a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - a_{12}^8 a_{21}^8 - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - a_{11}^8 a_{22}^8 > 0$$

pot #10:

symbol a_{12} : $(-inf, 0.0]$

symbol c_1 : $(-inf, 0.0)$

symbol a_{11} : $(-inf, 0.0)$

symbol a_{22} : $(-0.0, inf)$

symbol $b_1 : [-0.0, inf)$

symbol $b_2 : -0.0$

symbol $a_{21} : (-0.0, inf)$

$-c_2 a_{21} + c_1 a_{22} > 0$

$a_{12} a_{21} - a_{11} a_{22} > 0$

$a_{12} b_2 - b_1 a_{22} \geq 0$

$c_1 a_{12} - c_2 a_{11} > 0$

$c_1 a_{12}^2 a_{21} - a_{12} c_2 a_{11} a_{21} - c_1 a_{12} a_{11} a_{22} + c_2 a_{11}^2 a_{22} \geq 0$

$-3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 + a_{12}^3 a_{21}^3 > 0$

$3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 - a_{12}^3 a_{21}^3 > 0$

$8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 + 56.00 \cdot$

$a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - a_{12}^8 a_{21}^8 - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - a_{11}^8 a_{22}^8 \geq 0$

$8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 + 56.00 \cdot$

$a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - a_{12}^8 a_{21}^8 - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - a_{11}^8 a_{22}^8 > 0$

pot #11:

symbol $a_{12} : (-inf, 0.0]$

symbol $c_1 : (-inf, 0.0)$

symbol $a_{11} : (-inf, 0.0)$

symbol $a_{22} : (-0.0, inf)$

symbol $b_1 : [-0.0, inf)$

symbol $b_2 : -0.0$

symbol $a_{21} : (-0.0, inf)$

$-c_2 a_{21} + c_1 a_{22} > 0$

$a_{12} a_{21} - a_{11} a_{22} > 0$

$a_{12} b_2 - b_1 a_{22} \geq 0$

$c_1 a_{12} - c_2 a_{11} > 0$

$c_1 a_{12}^2 a_{21} - a_{12} c_2 a_{11} a_{21} - c_1 a_{12} a_{11} a_{22} + c_2 a_{11}^2 a_{22} \geq 0$

$-3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 + a_{12}^3 a_{21}^3 > 0$

$3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 - a_{12}^3 a_{21}^3 > 0$

$-8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 - 56.00 \cdot$

$a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + a_{12}^8 a_{21}^8 + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + a_{11}^8 a_{22}^8 \geq 0$

$-8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 - 56.00 \cdot$

$a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + a_{12}^8 a_{21}^8 + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + a_{11}^8 a_{22}^8 > 0$

pot #12:

symbol $a_{12} : (-inf, 0.0]$

symbol $c_1 : (-inf, 0.0)$

symbol $a_{11} : (-inf, 0.0)$

symbol $a_{22} : (-0.0, inf)$

symbol $b_1 : [-0.0, inf)$

symbol $b_2 : [-0.0, inf)$

symbol $a_{21} : (-0.0, inf)$

$-c_2 a_{21} + c_1 a_{22} > 0$

$a_{12} a_{21} - a_{11} a_{22} > 0$

$a_{12} b_2 - b_1 a_{22} \geq 0$

$c_1 a_{12} - c_2 a_{11} > 0$

$c_1 a_{12}^2 a_{21} - a_{12} c_2 a_{11} a_{21} - c_1 a_{12} a_{11} a_{22} + c_2 a_{11}^2 a_{22} \geq 0$

$-3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 + a_{12}^3 a_{21}^3 > 0$

$-a_{12}^3 a_{21}^3 + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 > 0$

$8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 + 56.00 \cdot$

$a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - a_{12}^8 a_{21}^8 - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - a_{11}^8 a_{22}^8 \geq 0$

$$-8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 - 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + a_{12}^8 a_{21}^8 + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + a_{11}^8 a_{22}^8 > 0$$

pot #13:

symbol $a_{12} : (-inf, 0.0]$

symbol $c_1 : (-inf, 0.0)$

symbol $a_{11} : (-inf, 0.0)$

symbol $a_{22} : (-0.0, inf)$

symbol $b_1 : [-0.0, inf)$

symbol $b_2 : [-0.0, inf)$

symbol $a_{21} : (-0.0, inf)$

$$-c_2 a_{21} + c_1 a_{22} > 0$$

$$a_{12} a_{21} - a_{11} a_{22} > 0$$

$$a_{12} b_2 - b_1 a_{22} \geq 0$$

$$c_1 a_{12} - c_2 a_{11} > 0$$

$$c_1 a_{12}^2 a_{21} - a_{12} c_2 a_{11} a_{21} - c_1 a_{12} a_{11} a_{22} + c_2 a_{11}^2 a_{22} \geq 0$$

$$-3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 + a_{12}^3 a_{21}^3 > 0$$

$$-a_{12}^3 a_{21}^3 + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 > 0$$

$$-8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 - 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + a_{12}^8 a_{21}^8 + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + a_{11}^8 a_{22}^8 \geq 0$$

$$8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 + 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - a_{12}^8 a_{21}^8 - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - a_{11}^8 a_{22}^8 > 0$$

$$a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - a_{12}^8 a_{21}^8 - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - a_{11}^8 a_{22}^8 > 0$$

pot #14:

symbol $a_{12} : (-inf, 0.0]$

symbol $c_1 : (-inf, 0.0)$

symbol $a_{11} : (-inf, 0.0)$

symbol $a_{22} : (-0.0, inf)$

symbol $b_1 : [-0.0, inf)$

symbol $b_2 : -0.0$

symbol $a_{21} : (-0.0, inf)$

$$-c_2 a_{21} + c_1 a_{22} > 0$$

$$a_{12} a_{21} - a_{11} a_{22} > 0$$

$$a_{12} b_2 - b_1 a_{22} \geq 0$$

$$c_1 a_{12} - c_2 a_{11} > 0$$

$$c_1 a_{12}^2 a_{21} - a_{12} c_2 a_{11} a_{21} - c_1 a_{12} a_{11} a_{22} + c_2 a_{11}^2 a_{22} \geq 0$$

$$-3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 + a_{12}^3 a_{21}^3 > 0$$

$$-a_{12}^3 a_{21}^3 + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 > 0$$

$$8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 + 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - a_{12}^8 a_{21}^8 - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - a_{11}^8 a_{22}^8 \geq 0$$

$$8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 + 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - a_{12}^8 a_{21}^8 - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - a_{11}^8 a_{22}^8 > 0$$

pot #15:

symbol $a_{12} : (-inf, 0.0]$

symbol $c_1 : (-inf, 0.0)$

symbol $a_{11} : (-inf, 0.0)$

symbol $a_{22} : (-0.0, inf)$

symbol $b_1 : [-0.0, inf)$

symbol $b_2 : -0.0$

symbol $a_{21} : (-0.0, inf)$

$$-c_2 a_{21} + c_1 a_{22} > 0$$

$$a_{12} a_{21} - a_{11} a_{22} > 0$$

$$a_{12}b_2 - b_1a_{22} \geq 0$$

$$c_1a_{12} - c_2a_{11} > 0$$

$$c_1a_{12}^2a_{21} - a_{12}c_2a_{11}a_{21} - c_1a_{12}a_{11}a_{22} + c_2a_{11}^2a_{22} \geq 0$$

$$-3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 + 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} - a_{11}^3a_{22}^3 + a_{12}^3a_{21}^3 > 0$$

$$-a_{12}^3a_{21}^3 + 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 - 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} + a_{11}^3a_{22}^3 > 0$$

$$-8.00 \cdot a_{12}^7a_{11}a_{22}a_{21}^7 + 28.00 \cdot a_{12}^6a_{11}^2a_{22}^6a_{21} - 56.00 \cdot a_{12}^5a_{11}^3a_{22}^3a_{21}^5 + 70.00 \cdot a_{12}^4a_{11}^4a_{22}^4a_{21}^4 - 56.00 \cdot$$

$$a_{12}^3a_{11}^5a_{22}^5a_{21}^3 + a_{12}^8a_{21}^8 + 28.00 \cdot a_{12}^2a_{11}^6a_{22}^6a_{21}^2 - 8.00 \cdot a_{12}a_{11}^7a_{22}^7a_{21} + a_{11}^8a_{22}^8 \geq 0$$

$$-8.00 \cdot a_{12}^7a_{11}a_{22}a_{21}^7 + 28.00 \cdot a_{12}^6a_{11}^2a_{22}^6a_{21} - 56.00 \cdot a_{12}^5a_{11}^3a_{22}^3a_{21}^5 + 70.00 \cdot a_{12}^4a_{11}^4a_{22}^4a_{21}^4 - 56.00 \cdot$$

$$a_{12}^3a_{11}^5a_{22}^5a_{21}^3 + a_{12}^8a_{21}^8 + 28.00 \cdot a_{12}^2a_{11}^6a_{22}^6a_{21}^2 - 8.00 \cdot a_{12}a_{11}^7a_{22}^7a_{21} + a_{11}^8a_{22}^8 > 0$$

pot #16:

symbol a_{12} : $(-inf, 0.0]$

symbol c_1 : $(-inf, 0.0)$

symbol a_{11} : $(-inf, 0.0)$

symbol a_{22} : $(-0.0, inf)$

symbol b_1 : $[-0.0, inf)$

symbol b_2 : $[-0.0, inf)$

symbol a_{21} : $(-0.0, inf)$

$$-c_2a_{21} + c_1a_{22} > 0$$

$$a_{12}a_{21} - a_{11}a_{22} > 0$$

$$a_{12}b_2 - b_1a_{22} \geq 0$$

$$c_1a_{12} - c_2a_{11} > 0$$

$$c_1a_{12}^2a_{21} - a_{12}c_2a_{11}a_{21} - c_1a_{12}a_{11}a_{22} + c_2a_{11}^2a_{22} \geq 0$$

$$3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 - 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} + a_{11}^3a_{22}^3 - a_{12}^3a_{21}^3 > 0$$

$$-3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 + 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} - a_{11}^3a_{22}^3 + a_{12}^3a_{21}^3 \geq 0$$

$$a_{12}^3a_{21}^3 - 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 + 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} - a_{11}^3a_{22}^3 > 0$$

pot #17:

symbol a_{12} : $(-inf, 0.0]$

symbol c_1 : $(-inf, 0.0)$

symbol a_{11} : $(-inf, 0.0)$

symbol a_{22} : $(-0.0, inf)$

symbol b_1 : $[-0.0, inf)$

symbol b_2 : $[-0.0, inf)$

symbol a_{21} : $(-0.0, inf)$

$$-c_2a_{21} + c_1a_{22} > 0$$

$$a_{12}a_{21} - a_{11}a_{22} > 0$$

$$a_{12}b_2 - b_1a_{22} \geq 0$$

$$c_1a_{12} - c_2a_{11} > 0$$

$$c_1a_{12}^2a_{21} - a_{12}c_2a_{11}a_{21} - c_1a_{12}a_{11}a_{22} + c_2a_{11}^2a_{22} \geq 0$$

$$3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 - 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} + a_{11}^3a_{22}^3 - a_{12}^3a_{21}^3 > 0$$

$$3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 - 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} + a_{11}^3a_{22}^3 - a_{12}^3a_{21}^3 \geq 0$$

pot #18:

symbol a_{12} : $(-inf, 0.0]$

symbol c_1 : $(-inf, 0.0)$

symbol a_{11} : $(-inf, 0.0)$

symbol a_{22} : $(-0.0, inf)$

symbol b_1 : $[-0.0, inf)$

symbol b_2 : $[-0.0, inf)$

symbol a_{21} : $(-0.0, inf)$

$$-c_2a_{21} + c_1a_{22} > 0$$

$$a_{12}a_{21} - a_{11}a_{22} > 0$$

$$a_{12}b_2 - b_1a_{22} \geq 0$$

$$c_1a_{12} - c_2a_{11} > 0$$

$$c_1a_{12}^2a_{21} - a_{12}c_2a_{11}a_{21} - c_1a_{12}a_{11}a_{22} + c_2a_{11}^2a_{22} \geq 0$$

$$-3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 + 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} - a_{11}^3a_{22}^3 + a_{12}^3a_{21}^3 > 0$$

$$-3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 + 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} - a_{11}^3a_{22}^3 + a_{12}^3a_{21}^3 \geq 0$$

pot #19:

$$\text{symbol } a_{12} : (-inf, 0.0]$$

$$\text{symbol } c_1 : (-inf, 0.0)$$

$$\text{symbol } a_{11} : (-inf, 0.0)$$

$$\text{symbol } a_{22} : (-0.0, inf)$$

$$\text{symbol } b_1 : [-0.0, inf)$$

$$\text{symbol } b_2 : [-0.0, inf)$$

$$\text{symbol } a_{21} : (-0.0, inf)$$

$$-c_2a_{21} + c_1a_{22} > 0$$

$$a_{12}a_{21} - a_{11}a_{22} > 0$$

$$a_{12}b_2 - b_1a_{22} \geq 0$$

$$c_1a_{12} - c_2a_{11} > 0$$

$$c_1a_{12}^2a_{21} - a_{12}c_2a_{11}a_{21} - c_1a_{12}a_{11}a_{22} + c_2a_{11}^2a_{22} \geq 0$$

$$-3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 + 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} - a_{11}^3a_{22}^3 + a_{12}^3a_{21}^3 > 0$$

$$3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 - 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} + a_{11}^3a_{22}^3 - a_{12}^3a_{21}^3 \geq 0$$

$$-a_{12}^3a_{21}^3 + 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 - 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} + a_{11}^3a_{22}^3 > 0$$

pot #20:

$$\text{symbol } a_{12} : (-0.0, inf)$$

$$\text{symbol } c_1 : (-inf, 0.0)$$

$$\text{symbol } a_{11} : (-inf, 0.0)$$

$$\text{symbol } a_{22} : (-inf, 0.0]$$

$$\text{symbol } b_1 : [-0.0, inf)$$

$$\text{symbol } b_2 : [-0.0, inf)$$

$$\text{symbol } a_{21} : (-0.0, inf)$$

$$-c_2a_{21} + c_1a_{22} > 0$$

$$a_{12}a_{21} - a_{11}a_{22} > 0$$

$$c_1a_{12} - c_2a_{11} > 0$$

$$3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 - 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} + a_{11}^3a_{22}^3 - a_{12}^3a_{21}^3 \geq 0$$

$$a_{12}^2a_{21}^2 - 2.00 \cdot a_{12}a_{11}a_{22}a_{21} + a_{11}^2a_{22}^2 > 0$$

$$c_1a_{12}^2a_{21} - a_{12}c_2a_{11}a_{21} - c_1a_{12}a_{11}a_{22} + c_2a_{11}^2a_{22} \geq 0$$

$$3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 - 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} + a_{11}^3a_{22}^3 - a_{12}^3a_{21}^3 > 0$$

$$a_{12}^3a_{21}^3 - 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 + 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} - a_{11}^3a_{22}^3 > 0$$

$$8.00 \cdot a_{12}^7a_{11}a_{22}a_{21}^7 - 28.00 \cdot a_{12}^6a_{11}^2a_{22}^2a_{21}^6 + 56.00 \cdot a_{12}^5a_{11}^3a_{22}^3a_{21}^5 - 70.00 \cdot a_{12}^4a_{11}^4a_{22}^4a_{21}^4 + 56.00 \cdot$$

$$a_{12}^3a_{11}^5a_{22}^5a_{21}^3 - a_{12}^8a_{21}^8 - 28.00 \cdot a_{12}^2a_{11}^6a_{22}^6a_{21}^2 + 8.00 \cdot a_{12}a_{11}^7a_{22}^7a_{21} - a_{11}^8a_{22}^8 \geq 0$$

$$-8.00 \cdot a_{12}^7a_{11}a_{22}a_{21}^7 + 28.00 \cdot a_{12}^6a_{11}^2a_{22}^2a_{21}^6 - 56.00 \cdot a_{12}^5a_{11}^3a_{22}^3a_{21}^5 + 70.00 \cdot a_{12}^4a_{11}^4a_{22}^4a_{21}^4 - 56.00 \cdot$$

$$a_{12}^3a_{11}^5a_{22}^5a_{21}^3 + a_{12}^8a_{21}^8 + 28.00 \cdot a_{12}^2a_{11}^6a_{22}^6a_{21}^2 - 8.00 \cdot a_{12}a_{11}^7a_{22}^7a_{21} + a_{11}^8a_{22}^8 > 0$$

pot #21:

$$\text{symbol } a_{12} : (-0.0, inf)$$

$$\text{symbol } c_1 : (-inf, 0.0)$$

$$\text{symbol } a_{11} : (-inf, 0.0)$$

$$\text{symbol } a_{22} : (-inf, 0.0]$$

$$\text{symbol } b_1 : [-0.0, inf)$$

$$\text{symbol } b_2 : [-0.0, inf)$$

$$\text{symbol } a_{21} : (-0.0, inf)$$

$$-c_2a_{21} + c_1a_{22} > 0$$

$$\begin{aligned}
& a_{12}a_{21} - a_{11}a_{22} > 0 \\
& c_1a_{12} - c_2a_{11} > 0 \\
& 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 - 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} + a_{11}^3a_{22}^3 - a_{12}^3a_{21}^3 \geq 0 \\
& a_{12}^2a_{21}^2 - 2.00 \cdot a_{12}a_{11}a_{22}a_{21} + a_{11}^2a_{22}^2 > 0 \\
& c_1a_{12}^2a_{21} - a_{12}c_2a_{11}a_{21} - c_1a_{12}a_{11}a_{22} + c_2a_{11}^2a_{22} \geq 0 \\
& 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 - 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} + a_{11}^3a_{22}^3 - a_{12}^3a_{21}^3 > 0 \\
& a_{12}^3a_{21}^3 - 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 + 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} - a_{11}^3a_{22}^3 > 0 \\
& -8.00 \cdot a_{12}^7a_{11}a_{22}a_{21}^7 + 28.00 \cdot a_{12}^6a_{11}^2a_{22}^2a_{21}^6 - 56.00 \cdot a_{12}^5a_{11}^3a_{22}^3a_{21}^5 + 70.00 \cdot a_{12}^4a_{11}^4a_{22}^4a_{21}^4 - 56.00 \cdot \\
& a_{12}^3a_{11}^5a_{22}^5a_{21}^3 + a_{12}^8a_{21}^8 + 28.00 \cdot a_{12}^2a_{11}^6a_{22}^6a_{21}^2 - 8.00 \cdot a_{12}a_{11}^7a_{22}^7a_{21} + a_{11}^8a_{22}^8 \geq 0 \\
& 8.00 \cdot a_{12}^7a_{11}a_{22}a_{21}^7 - 28.00 \cdot a_{12}^6a_{11}^2a_{22}^2a_{21}^6 + 56.00 \cdot a_{12}^5a_{11}^3a_{22}^3a_{21}^5 - 70.00 \cdot a_{12}^4a_{11}^4a_{22}^4a_{21}^4 + 56.00 \cdot \\
& a_{12}^3a_{11}^5a_{22}^5a_{21}^3 - a_{12}^8a_{21}^8 - 28.00 \cdot a_{12}^2a_{11}^6a_{22}^6a_{21}^2 + 8.00 \cdot a_{12}a_{11}^7a_{22}^7a_{21} - a_{11}^8a_{22}^8 > 0
\end{aligned}$$

pot #22:

symbol a_{12} : $(-0.0, inf)$

symbol c_1 : $(-inf, 0.0)$

symbol a_{11} : $(-inf, 0.0)$

symbol a_{22} : $(-inf, 0.0]$

symbol b_1 : $[-0.0, inf)$

symbol b_2 : -0.0

symbol a_{21} : $(-0.0, inf)$

$$-c_2a_{21} + c_1a_{22} > 0$$

$$a_{12}a_{21} - a_{11}a_{22} > 0$$

$$c_1a_{12} - c_2a_{11} > 0$$

$$3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 - 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} + a_{11}^3a_{22}^3 - a_{12}^3a_{21}^3 \geq 0$$

$$a_{12}^2a_{21}^2 - 2.00 \cdot a_{12}a_{11}a_{22}a_{21} + a_{11}^2a_{22}^2 > 0$$

$$c_1a_{12}^2a_{21} - a_{12}c_2a_{11}a_{21} - c_1a_{12}a_{11}a_{22} + c_2a_{11}^2a_{22} \geq 0$$

$$3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 - 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} + a_{11}^3a_{22}^3 - a_{12}^3a_{21}^3 > 0$$

$$a_{12}^3a_{21}^3 - 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 + 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} - a_{11}^3a_{22}^3 > 0$$

$$8.00 \cdot a_{12}^7a_{11}a_{22}a_{21}^7 - 28.00 \cdot a_{12}^6a_{11}^2a_{22}^2a_{21}^6 + 56.00 \cdot a_{12}^5a_{11}^3a_{22}^3a_{21}^5 - 70.00 \cdot a_{12}^4a_{11}^4a_{22}^4a_{21}^4 + 56.00 \cdot$$

$$a_{12}^3a_{11}^5a_{22}^5a_{21}^3 - a_{12}^8a_{21}^8 - 28.00 \cdot a_{12}^2a_{11}^6a_{22}^6a_{21}^2 + 8.00 \cdot a_{12}a_{11}^7a_{22}^7a_{21} - a_{11}^8a_{22}^8 \geq 0$$

$$8.00 \cdot a_{12}^7a_{11}a_{22}a_{21}^7 - 28.00 \cdot a_{12}^6a_{11}^2a_{22}^2a_{21}^6 + 56.00 \cdot a_{12}^5a_{11}^3a_{22}^3a_{21}^5 - 70.00 \cdot a_{12}^4a_{11}^4a_{22}^4a_{21}^4 + 56.00 \cdot$$

$$a_{12}^3a_{11}^5a_{22}^5a_{21}^3 - a_{12}^8a_{21}^8 - 28.00 \cdot a_{12}^2a_{11}^6a_{22}^6a_{21}^2 + 8.00 \cdot a_{12}a_{11}^7a_{22}^7a_{21} - a_{11}^8a_{22}^8 > 0$$

pot #23:

symbol a_{12} : $(-0.0, inf)$

symbol c_1 : $(-inf, 0.0)$

symbol a_{11} : $(-inf, 0.0)$

symbol a_{22} : $(-inf, 0.0]$

symbol b_1 : $[-0.0, inf)$

symbol b_2 : -0.0

symbol a_{21} : $(-0.0, inf)$

$$-c_2a_{21} + c_1a_{22} > 0$$

$$a_{12}a_{21} - a_{11}a_{22} > 0$$

$$c_1a_{12} - c_2a_{11} > 0$$

$$3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 - 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} + a_{11}^3a_{22}^3 - a_{12}^3a_{21}^3 \geq 0$$

$$a_{12}^2a_{21}^2 - 2.00 \cdot a_{12}a_{11}a_{22}a_{21} + a_{11}^2a_{22}^2 > 0$$

$$c_1a_{12}^2a_{21} - a_{12}c_2a_{11}a_{21} - c_1a_{12}a_{11}a_{22} + c_2a_{11}^2a_{22} \geq 0$$

$$3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 - 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} + a_{11}^3a_{22}^3 - a_{12}^3a_{21}^3 > 0$$

$$a_{12}^3a_{21}^3 - 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 + 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} - a_{11}^3a_{22}^3 > 0$$

$$-8.00 \cdot a_{12}^7a_{11}a_{22}a_{21}^7 + 28.00 \cdot a_{12}^6a_{11}^2a_{22}^2a_{21}^6 - 56.00 \cdot a_{12}^5a_{11}^3a_{22}^3a_{21}^5 + 70.00 \cdot a_{12}^4a_{11}^4a_{22}^4a_{21}^4 - 56.00 \cdot$$

$$a_{12}^3a_{11}^5a_{22}^5a_{21}^3 + a_{12}^8a_{21}^8 + 28.00 \cdot a_{12}^2a_{11}^6a_{22}^6a_{21}^2 - 8.00 \cdot a_{12}a_{11}^7a_{22}^7a_{21} + a_{11}^8a_{22}^8 \geq 0$$

$$-8.00 \cdot a_{12}^7a_{11}a_{22}a_{21}^7 + 28.00 \cdot a_{12}^6a_{11}^2a_{22}^2a_{21}^6 - 56.00 \cdot a_{12}^5a_{11}^3a_{22}^3a_{21}^5 + 70.00 \cdot a_{12}^4a_{11}^4a_{22}^4a_{21}^4 - 56.00 \cdot$$

$$a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + a_{12}^8 a_{21}^8 + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + a_{11}^8 a_{22}^8 > 0$$

pot #24:

symbol $a_{12} : (-0.0, inf)$

symbol $c_1 : (-inf, 0.0)$

symbol $a_{11} : (-inf, 0.0)$

symbol $a_{22} : (-inf, 0.0]$

symbol $b_1 : [-0.0, inf)$

symbol $b_2 : [-0.0, inf)$

symbol $a_{21} : (-0.0, inf)$

$$-c_2 a_{21} + c_1 a_{22} > 0$$

$$a_{12} a_{21} - a_{11} a_{22} > 0$$

$$c_1 a_{12} - c_2 a_{11} > 0$$

$$3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 - a_{12}^3 a_{21}^3 \geq 0$$

$$a_{12}^2 a_{21}^2 - 2.00 \cdot a_{12} a_{11} a_{22} a_{21} + a_{11}^2 a_{22}^2 > 0$$

$$c_1 a_{12}^2 a_{21} - a_{12} c_2 a_{11} a_{21} - c_1 a_{12} a_{11} a_{22} + c_2 a_{11}^2 a_{22} \geq 0$$

$$3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 - a_{12}^3 a_{21}^3 > 0$$

$$-3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 + a_{12}^3 a_{21}^3 > 0$$

$$8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 + 56.00 \cdot$$

$$a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - a_{12}^8 a_{21}^8 - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - a_{11}^8 a_{22}^8 \geq 0$$

$$-8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 - 56.00 \cdot$$

$$a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + a_{12}^8 a_{21}^8 + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + a_{11}^8 a_{22}^8 > 0$$

pot #25:

symbol $a_{12} : (-0.0, inf)$

symbol $c_1 : (-inf, 0.0)$

symbol $a_{11} : (-inf, 0.0)$

symbol $a_{22} : (-inf, 0.0]$

symbol $b_1 : [-0.0, inf)$

symbol $b_2 : [-0.0, inf)$

symbol $a_{21} : (-0.0, inf)$

$$-c_2 a_{21} + c_1 a_{22} > 0$$

$$a_{12} a_{21} - a_{11} a_{22} > 0$$

$$c_1 a_{12} - c_2 a_{11} > 0$$

$$3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 - a_{12}^3 a_{21}^3 \geq 0$$

$$a_{12}^2 a_{21}^2 - 2.00 \cdot a_{12} a_{11} a_{22} a_{21} + a_{11}^2 a_{22}^2 > 0$$

$$c_1 a_{12}^2 a_{21} - a_{12} c_2 a_{11} a_{21} - c_1 a_{12} a_{11} a_{22} + c_2 a_{11}^2 a_{22} \geq 0$$

$$3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 - a_{12}^3 a_{21}^3 > 0$$

$$-3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 + a_{12}^3 a_{21}^3 > 0$$

$$-8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 - 56.00 \cdot$$

$$a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + a_{12}^8 a_{21}^8 + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + a_{11}^8 a_{22}^8 \geq 0$$

$$8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 + 56.00 \cdot$$

$$a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - a_{12}^8 a_{21}^8 - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - a_{11}^8 a_{22}^8 > 0$$

pot #26:

symbol $a_{12} : (-0.0, inf)$

symbol $c_1 : (-inf, 0.0)$

symbol $a_{11} : (-inf, 0.0)$

symbol $a_{22} : (-inf, 0.0]$

symbol $b_1 : [-0.0, inf)$

symbol $b_2 : -0.0$

symbol $a_{21} : (-0.0, inf)$

$$-c_2 a_{21} + c_1 a_{22} > 0$$

$$a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + a_{12}^8 a_{21}^8 + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + a_{11}^8 a_{22}^8 > 0$$

pot #29:

symbol $a_{12} : (-0.0, inf)$

symbol $c_1 : (-inf, 0.0)$

symbol $a_{11} : (-inf, 0.0)$

symbol $a_{22} : (-inf, 0.0]$

symbol $b_1 : [-0.0, inf)$

symbol $b_2 : [-0.0, inf)$

symbol $a_{21} : (-0.0, inf)$

$$-c_2 a_{21} + c_1 a_{22} > 0$$

$$a_{12} a_{21} - a_{11} a_{22} > 0$$

$$c_1 a_{12} - c_2 a_{11} > 0$$

$$3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 - a_{12}^3 a_{21}^3 \geq 0$$

$$a_{12}^2 a_{21}^2 - 2.00 \cdot a_{12} a_{11} a_{22} a_{21} + a_{11}^2 a_{22}^2 > 0$$

$$c_1 a_{12}^2 a_{21} - a_{12} c_2 a_{11} a_{21} - c_1 a_{12} a_{11} a_{22} + c_2 a_{11}^2 a_{22} \geq 0$$

$$-3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 + a_{12}^3 a_{21}^3 > 0$$

$$3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 - a_{12}^3 a_{21}^3 > 0$$

$$-8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^6 a_{21}^6 - 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^5 a_{21}^5 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 - 56.00 \cdot$$

$$a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + a_{12}^8 a_{21}^8 + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + a_{11}^8 a_{22}^8 \geq 0$$

$$8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^6 a_{21}^6 + 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^5 a_{21}^5 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 + 56.00 \cdot$$

$$a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - a_{12}^8 a_{21}^8 - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - a_{11}^8 a_{22}^8 > 0$$

pot #30:

symbol $a_{12} : (-0.0, inf)$

symbol $c_1 : (-inf, 0.0)$

symbol $a_{11} : (-inf, 0.0)$

symbol $a_{22} : (-inf, 0.0]$

symbol $b_1 : [-0.0, inf)$

symbol $b_2 : -0.0$

symbol $a_{21} : (-0.0, inf)$

$$-c_2 a_{21} + c_1 a_{22} > 0$$

$$a_{12} a_{21} - a_{11} a_{22} > 0$$

$$c_1 a_{12} - c_2 a_{11} > 0$$

$$3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 - a_{12}^3 a_{21}^3 \geq 0$$

$$a_{12}^2 a_{21}^2 - 2.00 \cdot a_{12} a_{11} a_{22} a_{21} + a_{11}^2 a_{22}^2 > 0$$

$$c_1 a_{12}^2 a_{21} - a_{12} c_2 a_{11} a_{21} - c_1 a_{12} a_{11} a_{22} + c_2 a_{11}^2 a_{22} \geq 0$$

$$-3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 + a_{12}^3 a_{21}^3 > 0$$

$$3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 - a_{12}^3 a_{21}^3 > 0$$

$$8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^6 a_{21}^6 + 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^5 a_{21}^5 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 + 56.00 \cdot$$

$$a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - a_{12}^8 a_{21}^8 - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - a_{11}^8 a_{22}^8 \geq 0$$

$$8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^6 a_{21}^6 + 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^5 a_{21}^5 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 + 56.00 \cdot$$

$$a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - a_{12}^8 a_{21}^8 - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - a_{11}^8 a_{22}^8 > 0$$

pot #31:

symbol $a_{12} : (-0.0, inf)$

symbol $c_1 : (-inf, 0.0)$

symbol $a_{11} : (-inf, 0.0)$

symbol $a_{22} : (-inf, 0.0]$

symbol $b_1 : [-0.0, inf)$

symbol $b_2 : -0.0$

symbol $a_{21} : (-0.0, inf)$

$$-c_2 a_{21} + c_1 a_{22} > 0$$

$$\begin{aligned}
& a_{12}a_{21} - a_{11}a_{22} > 0 \\
& c_1a_{12} - c_2a_{11} > 0 \\
& 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 - 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} + a_{11}^3a_{22}^3 - a_{12}^3a_{21}^3 \geq 0 \\
& a_{12}^2a_{21}^2 - 2.00 \cdot a_{12}a_{11}a_{22}a_{21} + a_{11}^2a_{22}^2 > 0 \\
& c_1a_{12}^2a_{21} - a_{12}c_2a_{11}a_{21} - c_1a_{12}a_{11}a_{22} + c_2a_{11}^2a_{22} \geq 0 \\
& -3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 + 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} - a_{11}^3a_{22}^3 + a_{12}^3a_{21}^3 > 0 \\
& 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 - 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} + a_{11}^3a_{22}^3 - a_{12}^3a_{21}^3 > 0 \\
& -8.00 \cdot a_{12}^7a_{11}a_{22}a_{21}^7 + 28.00 \cdot a_{12}^6a_{11}^2a_{22}^6a_{21} - 56.00 \cdot a_{12}^5a_{11}^3a_{22}^3a_{21}^5 + 70.00 \cdot a_{12}^4a_{11}^4a_{22}^4a_{21}^4 - 56.00 \cdot \\
& a_{12}^3a_{11}^5a_{22}^5a_{21}^3 + a_{12}^8a_{21}^8 + 28.00 \cdot a_{12}^2a_{11}^6a_{22}^6a_{21}^2 - 8.00 \cdot a_{12}a_{11}^7a_{22}^7a_{21} + a_{11}^8a_{22}^8 \geq 0 \\
& -8.00 \cdot a_{12}^7a_{11}a_{22}a_{21}^7 + 28.00 \cdot a_{12}^6a_{11}^2a_{22}^6a_{21} - 56.00 \cdot a_{12}^5a_{11}^3a_{22}^3a_{21}^5 + 70.00 \cdot a_{12}^4a_{11}^4a_{22}^4a_{21}^4 - 56.00 \cdot \\
& a_{12}^3a_{11}^5a_{22}^5a_{21}^3 + a_{12}^8a_{21}^8 + 28.00 \cdot a_{12}^2a_{11}^6a_{22}^6a_{21}^2 - 8.00 \cdot a_{12}a_{11}^7a_{22}^7a_{21} + a_{11}^8a_{22}^8 > 0
\end{aligned}$$

pot #32:

symbol a_{12} : $(-0.0, inf)$

symbol c_1 : $(-inf, 0.0)$

symbol a_{11} : $(-inf, 0.0)$

symbol a_{22} : $(-inf, 0.0]$

symbol b_1 : $[-0.0, inf)$

symbol b_2 : $[-0.0, inf)$

symbol a_{21} : $(-0.0, inf)$

$$-c_2a_{21} + c_1a_{22} > 0$$

$$a_{12}a_{21} - a_{11}a_{22} > 0$$

$$c_1a_{12} - c_2a_{11} > 0$$

$$3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 - 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} + a_{11}^3a_{22}^3 - a_{12}^3a_{21}^3 \geq 0$$

$$a_{12}^2a_{21}^2 - 2.00 \cdot a_{12}a_{11}a_{22}a_{21} + a_{11}^2a_{22}^2 > 0$$

$$c_1a_{12}^2a_{21} - a_{12}c_2a_{11}a_{21} - c_1a_{12}a_{11}a_{22} + c_2a_{11}^2a_{22} \geq 0$$

$$-3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 + 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} - a_{11}^3a_{22}^3 + a_{12}^3a_{21}^3 > 0$$

$$-a_{12}^3a_{21}^3 + 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 - 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} + a_{11}^3a_{22}^3 > 0$$

$$8.00 \cdot a_{12}^7a_{11}a_{22}a_{21}^7 - 28.00 \cdot a_{12}^6a_{11}^2a_{22}^6a_{21} + 56.00 \cdot a_{12}^5a_{11}^3a_{22}^3a_{21}^5 - 70.00 \cdot a_{12}^4a_{11}^4a_{22}^4a_{21}^4 + 56.00 \cdot$$

$$a_{12}^3a_{11}^5a_{22}^5a_{21}^3 - a_{12}^8a_{21}^8 - 28.00 \cdot a_{12}^2a_{11}^6a_{22}^6a_{21}^2 + 8.00 \cdot a_{12}a_{11}^7a_{22}^7a_{21} - a_{11}^8a_{22}^8 \geq 0$$

$$-8.00 \cdot a_{12}^7a_{11}a_{22}a_{21}^7 + 28.00 \cdot a_{12}^6a_{11}^2a_{22}^6a_{21} - 56.00 \cdot a_{12}^5a_{11}^3a_{22}^3a_{21}^5 + 70.00 \cdot a_{12}^4a_{11}^4a_{22}^4a_{21}^4 - 56.00 \cdot$$

$$a_{12}^3a_{11}^5a_{22}^5a_{21}^3 + a_{12}^8a_{21}^8 + 28.00 \cdot a_{12}^2a_{11}^6a_{22}^6a_{21}^2 - 8.00 \cdot a_{12}a_{11}^7a_{22}^7a_{21} + a_{11}^8a_{22}^8 > 0$$

pot #33:

symbol a_{12} : $(-0.0, inf)$

symbol c_1 : $(-inf, 0.0)$

symbol a_{11} : $(-inf, 0.0)$

symbol a_{22} : $(-inf, 0.0]$

symbol b_1 : $[-0.0, inf)$

symbol b_2 : $[-0.0, inf)$

symbol a_{21} : $(-0.0, inf)$

$$-c_2a_{21} + c_1a_{22} > 0$$

$$a_{12}a_{21} - a_{11}a_{22} > 0$$

$$c_1a_{12} - c_2a_{11} > 0$$

$$3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 - 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} + a_{11}^3a_{22}^3 - a_{12}^3a_{21}^3 \geq 0$$

$$a_{12}^2a_{21}^2 - 2.00 \cdot a_{12}a_{11}a_{22}a_{21} + a_{11}^2a_{22}^2 > 0$$

$$c_1a_{12}^2a_{21} - a_{12}c_2a_{11}a_{21} - c_1a_{12}a_{11}a_{22} + c_2a_{11}^2a_{22} \geq 0$$

$$-3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 + 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} - a_{11}^3a_{22}^3 + a_{12}^3a_{21}^3 > 0$$

$$-a_{12}^3a_{21}^3 + 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 - 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} + a_{11}^3a_{22}^3 > 0$$

$$-8.00 \cdot a_{12}^7a_{11}a_{22}a_{21}^7 + 28.00 \cdot a_{12}^6a_{11}^2a_{22}^6a_{21} - 56.00 \cdot a_{12}^5a_{11}^3a_{22}^3a_{21}^5 + 70.00 \cdot a_{12}^4a_{11}^4a_{22}^4a_{21}^4 - 56.00 \cdot$$

$$a_{12}^3a_{11}^5a_{22}^5a_{21}^3 + a_{12}^8a_{21}^8 + 28.00 \cdot a_{12}^2a_{11}^6a_{22}^6a_{21}^2 - 8.00 \cdot a_{12}a_{11}^7a_{22}^7a_{21} + a_{11}^8a_{22}^8 \geq 0$$

$$8.00 \cdot a_{12}^7a_{11}a_{22}a_{21}^7 - 28.00 \cdot a_{12}^6a_{11}^2a_{22}^6a_{21} + 56.00 \cdot a_{12}^5a_{11}^3a_{22}^3a_{21}^5 - 70.00 \cdot a_{12}^4a_{11}^4a_{22}^4a_{21}^4 + 56.00 \cdot$$

$$a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - a_{12}^8 a_{21}^8 - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - a_{11}^8 a_{22}^8 > 0$$

pot #34:

symbol a_{12} : $(-0.0, inf)$

symbol c_1 : $(-inf, 0.0)$

symbol a_{11} : $(-inf, 0.0)$

symbol a_{22} : $(-inf, 0.0]$

symbol b_1 : $[-0.0, inf)$

symbol b_2 : -0.0

symbol a_{21} : $(-0.0, inf)$

$$-c_2 a_{21} + c_1 a_{22} > 0$$

$$a_{12} a_{21} - a_{11} a_{22} > 0$$

$$c_1 a_{12} - c_2 a_{11} > 0$$

$$3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 - a_{12}^3 a_{21}^3 \geq 0$$

$$a_{12}^2 a_{21}^2 - 2.00 \cdot a_{12} a_{11} a_{22} a_{21} + a_{11}^2 a_{22}^2 > 0$$

$$c_1 a_{12}^2 a_{21} - a_{12} c_2 a_{11} a_{21} - c_1 a_{12} a_{11} a_{22} + c_2 a_{11}^2 a_{22} \geq 0$$

$$-3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 + a_{12}^3 a_{21}^3 > 0$$

$$-a_{12}^3 a_{21}^3 + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 > 0$$

$$8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 + 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - a_{12}^8 a_{21}^8 - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - a_{11}^8 a_{22}^8 \geq 0$$

$$8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 + 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - a_{12}^8 a_{21}^8 - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - a_{11}^8 a_{22}^8 > 0$$

pot #35:

symbol a_{12} : $(-0.0, inf)$

symbol c_1 : $(-inf, 0.0)$

symbol a_{11} : $(-inf, 0.0)$

symbol a_{22} : $(-inf, 0.0]$

symbol b_1 : $[-0.0, inf)$

symbol b_2 : -0.0

symbol a_{21} : $(-0.0, inf)$

$$-c_2 a_{21} + c_1 a_{22} > 0$$

$$a_{12} a_{21} - a_{11} a_{22} > 0$$

$$c_1 a_{12} - c_2 a_{11} > 0$$

$$3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 - a_{12}^3 a_{21}^3 \geq 0$$

$$a_{12}^2 a_{21}^2 - 2.00 \cdot a_{12} a_{11} a_{22} a_{21} + a_{11}^2 a_{22}^2 > 0$$

$$c_1 a_{12}^2 a_{21} - a_{12} c_2 a_{11} a_{21} - c_1 a_{12} a_{11} a_{22} + c_2 a_{11}^2 a_{22} \geq 0$$

$$-3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 + a_{12}^3 a_{21}^3 > 0$$

$$-a_{12}^3 a_{21}^3 + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 > 0$$

$$-8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 - 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + a_{12}^8 a_{21}^8 + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + a_{11}^8 a_{22}^8 \geq 0$$

$$-8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 - 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + a_{12}^8 a_{21}^8 + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + a_{11}^8 a_{22}^8 > 0$$

pot #36:

symbol a_{12} : $(-0.0, inf)$

symbol c_1 : $(-inf, 0.0)$

symbol a_{11} : $(-inf, 0.0)$

symbol a_{22} : $(-inf, 0.0]$

symbol b_1 : $[-0.0, inf)$

symbol b_2 : $[-0.0, inf)$

symbol a_{21} : $(-0.0, inf)$

$$-c_2 a_{21} + c_1 a_{22} > 0$$

$$\begin{aligned}
& a_{12}a_{21} - a_{11}a_{22} > 0 \\
& c_1a_{12} - c_2a_{11} > 0 \\
& 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 - 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} + a_{11}^3a_{22}^3 - a_{12}^3a_{21}^3 \geq 0 \\
& a_{12}^2a_{21}^2 - 2.00 \cdot a_{12}a_{11}a_{22}a_{21} + a_{11}^2a_{22}^2 > 0 \\
& c_1a_{12}^2a_{21} - a_{12}c_2a_{11}a_{21} - c_1a_{12}a_{11}a_{22} + c_2a_{11}^2a_{22} \geq 0 \\
& 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 - 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} + a_{11}^3a_{22}^3 - a_{12}^3a_{21}^3 > 0 \\
& -3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 + 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} - a_{11}^3a_{22}^3 + a_{12}^3a_{21}^3 \geq 0 \\
& a_{12}^3a_{21}^3 - 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 + 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} - a_{11}^3a_{22}^3 > 0 \\
& \text{pot \#37:}
\end{aligned}$$

$$\begin{aligned}
& \text{symbol } a_{12} : (-0.0, \text{inf}) \\
& \text{symbol } c_1 : (-\text{inf}, 0.0) \\
& \text{symbol } a_{11} : (-\text{inf}, 0.0) \\
& \text{symbol } a_{22} : (-\text{inf}, 0.0] \\
& \text{symbol } b_1 : [-0.0, \text{inf}) \\
& \text{symbol } b_2 : [-0.0, \text{inf}) \\
& \text{symbol } a_{21} : (-0.0, \text{inf})
\end{aligned}$$

$$\begin{aligned}
& -c_2a_{21} + c_1a_{22} > 0 \\
& a_{12}a_{21} - a_{11}a_{22} > 0 \\
& c_1a_{12} - c_2a_{11} > 0 \\
& 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 - 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} + a_{11}^3a_{22}^3 - a_{12}^3a_{21}^3 \geq 0 \\
& a_{12}^2a_{21}^2 - 2.00 \cdot a_{12}a_{11}a_{22}a_{21} + a_{11}^2a_{22}^2 > 0 \\
& c_1a_{12}^2a_{21} - a_{12}c_2a_{11}a_{21} - c_1a_{12}a_{11}a_{22} + c_2a_{11}^2a_{22} \geq 0 \\
& 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 - 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} + a_{11}^3a_{22}^3 - a_{12}^3a_{21}^3 > 0 \\
& \text{pot \#38:}
\end{aligned}$$

$$\begin{aligned}
& \text{symbol } a_{12} : (-0.0, \text{inf}) \\
& \text{symbol } c_1 : (-\text{inf}, 0.0) \\
& \text{symbol } a_{11} : (-\text{inf}, 0.0) \\
& \text{symbol } a_{22} : (-\text{inf}, 0.0] \\
& \text{symbol } b_1 : [-0.0, \text{inf}) \\
& \text{symbol } b_2 : [-0.0, \text{inf}) \\
& \text{symbol } a_{21} : (-0.0, \text{inf})
\end{aligned}$$

$$\begin{aligned}
& -c_2a_{21} + c_1a_{22} > 0 \\
& a_{12}a_{21} - a_{11}a_{22} > 0 \\
& c_1a_{12} - c_2a_{11} > 0 \\
& 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 - 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} + a_{11}^3a_{22}^3 - a_{12}^3a_{21}^3 \geq 0 \\
& a_{12}^2a_{21}^2 - 2.00 \cdot a_{12}a_{11}a_{22}a_{21} + a_{11}^2a_{22}^2 > 0 \\
& c_1a_{12}^2a_{21} - a_{12}c_2a_{11}a_{21} - c_1a_{12}a_{11}a_{22} + c_2a_{11}^2a_{22} \geq 0 \\
& -3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 + 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} - a_{11}^3a_{22}^3 + a_{12}^3a_{21}^3 > 0 \\
& -3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 + 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} - a_{11}^3a_{22}^3 + a_{12}^3a_{21}^3 \geq 0 \\
& \text{pot \#39:}
\end{aligned}$$

$$\begin{aligned}
& \text{symbol } a_{12} : (-0.0, \text{inf}) \\
& \text{symbol } c_1 : (-\text{inf}, 0.0) \\
& \text{symbol } a_{11} : (-\text{inf}, 0.0) \\
& \text{symbol } a_{22} : (-\text{inf}, 0.0] \\
& \text{symbol } b_1 : [-0.0, \text{inf}) \\
& \text{symbol } b_2 : [-0.0, \text{inf}) \\
& \text{symbol } a_{21} : (-0.0, \text{inf})
\end{aligned}$$

$$\begin{aligned}
& -c_2a_{21} + c_1a_{22} > 0 \\
& a_{12}a_{21} - a_{11}a_{22} > 0 \\
& c_1a_{12} - c_2a_{11} > 0
\end{aligned}$$

$$3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 - a_{12}^3 a_{21}^3 \geq 0$$

$$a_{12}^2 a_{21}^2 - 2.00 \cdot a_{12} a_{11} a_{22} a_{21} + a_{11}^2 a_{22}^2 > 0$$

$$c_1 a_{12}^2 a_{21} - a_{12} c_2 a_{11} a_{21} - c_1 a_{12} a_{11} a_{22} + c_2 a_{11}^2 a_{22} \geq 0$$

$$-3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 + a_{12}^3 a_{21}^3 > 0$$

$$-a_{12}^3 a_{21}^3 + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 > 0$$

pot #40:

symbol $a_{12} : (-0.0, inf)$

symbol $c_1 : (-inf, 0.0)$

symbol $a_{11} : (-inf, 0.0)$

symbol $a_{22} : (-inf, 0.0]$

symbol $b_1 : [-0.0, inf)$

symbol $b_2 : [-0.0, inf)$

symbol $a_{21} : (-0.0, inf)$

$$-c_2 a_{21} + c_1 a_{22} > 0$$

$$a_{12} a_{21} - a_{11} a_{22} > 0$$

$$c_1 a_{12} - c_2 a_{11} > 0$$

$$-3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 + a_{12}^3 a_{21}^3 \geq 0$$

$$-a_{12}^2 a_{21}^2 + 2.00 \cdot a_{12} a_{11} a_{22} a_{21} - a_{11}^2 a_{22}^2 > 0$$

$$c_1 a_{12}^2 a_{21} - a_{12} c_2 a_{11} a_{21} - c_1 a_{12} a_{11} a_{22} + c_2 a_{11}^2 a_{22} \geq 0$$

$$3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 - a_{12}^3 a_{21}^3 > 0$$

$$a_{12}^3 a_{21}^3 - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 > 0$$

$$8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 + 56.00 \cdot$$

$$a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - a_{12}^8 a_{21}^8 - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - a_{11}^8 a_{22}^8 \geq 0$$

$$-8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 - 56.00 \cdot$$

$$a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + a_{12}^8 a_{21}^8 + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + a_{11}^8 a_{22}^8 > 0$$

pot #41:

symbol $a_{12} : (-0.0, inf)$

symbol $c_1 : (-inf, 0.0)$

symbol $a_{11} : (-inf, 0.0)$

symbol $a_{22} : (-inf, 0.0]$

symbol $b_1 : [-0.0, inf)$

symbol $b_2 : [-0.0, inf)$

symbol $a_{21} : (-0.0, inf)$

$$-c_2 a_{21} + c_1 a_{22} > 0$$

$$a_{12} a_{21} - a_{11} a_{22} > 0$$

$$c_1 a_{12} - c_2 a_{11} > 0$$

$$-3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 + a_{12}^3 a_{21}^3 \geq 0$$

$$-a_{12}^2 a_{21}^2 + 2.00 \cdot a_{12} a_{11} a_{22} a_{21} - a_{11}^2 a_{22}^2 > 0$$

$$c_1 a_{12}^2 a_{21} - a_{12} c_2 a_{11} a_{21} - c_1 a_{12} a_{11} a_{22} + c_2 a_{11}^2 a_{22} \geq 0$$

$$3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 - a_{12}^3 a_{21}^3 > 0$$

$$a_{12}^3 a_{21}^3 - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 > 0$$

$$-8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 - 56.00 \cdot$$

$$a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + a_{12}^8 a_{21}^8 + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + a_{11}^8 a_{22}^8 \geq 0$$

$$8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 + 56.00 \cdot$$

$$a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - a_{12}^8 a_{21}^8 - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - a_{11}^8 a_{22}^8 > 0$$

pot #42:

symbol $a_{12} : (-0.0, inf)$

symbol $c_1 : (-inf, 0.0)$

symbol $a_{11} : (-inf, 0.0)$

symbol $a_{22} : (-inf, 0.0]$

symbol $b_1 : [-0.0, inf)$

symbol $b_2 : -0.0$

symbol $a_{21} : (-0.0, inf)$

$$-c_2 a_{21} + c_1 a_{22} > 0$$

$$a_{12} a_{21} - a_{11} a_{22} > 0$$

$$c_1 a_{12} - c_2 a_{11} > 0$$

$$-3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 + a_{12}^3 a_{21}^3 \geq 0$$

$$-a_{12}^2 a_{21}^2 + 2.00 \cdot a_{12} a_{11} a_{22} a_{21} - a_{11}^2 a_{22}^2 > 0$$

$$c_1 a_{12}^2 a_{21} - a_{12} c_2 a_{11} a_{21} - c_1 a_{12} a_{11} a_{22} + c_2 a_{11}^2 a_{22} \geq 0$$

$$3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 - a_{12}^3 a_{21}^3 > 0$$

$$a_{12}^3 a_{21}^3 - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 > 0$$

$$8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 + 56.00 \cdot$$

$$a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - a_{12}^8 a_{21}^8 - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - a_{11}^8 a_{22}^8 \geq 0$$

$$8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 + 56.00 \cdot$$

$$a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - a_{12}^8 a_{21}^8 - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - a_{11}^8 a_{22}^8 > 0$$

pot #43:

symbol $a_{12} : (-0.0, inf)$

symbol $c_1 : (-inf, 0.0)$

symbol $a_{11} : (-inf, 0.0)$

symbol $a_{22} : (-inf, 0.0]$

symbol $b_1 : [-0.0, inf)$

symbol $b_2 : -0.0$

symbol $a_{21} : (-0.0, inf)$

$$-c_2 a_{21} + c_1 a_{22} > 0$$

$$a_{12} a_{21} - a_{11} a_{22} > 0$$

$$c_1 a_{12} - c_2 a_{11} > 0$$

$$-3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 + a_{12}^3 a_{21}^3 \geq 0$$

$$-a_{12}^2 a_{21}^2 + 2.00 \cdot a_{12} a_{11} a_{22} a_{21} - a_{11}^2 a_{22}^2 > 0$$

$$c_1 a_{12}^2 a_{21} - a_{12} c_2 a_{11} a_{21} - c_1 a_{12} a_{11} a_{22} + c_2 a_{11}^2 a_{22} \geq 0$$

$$3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 - a_{12}^3 a_{21}^3 > 0$$

$$a_{12}^3 a_{21}^3 - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 > 0$$

$$-8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 - 56.00 \cdot$$

$$a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + a_{12}^8 a_{21}^8 + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + a_{11}^8 a_{22}^8 \geq 0$$

$$-8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 - 56.00 \cdot$$

$$a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + a_{12}^8 a_{21}^8 + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + a_{11}^8 a_{22}^8 > 0$$

pot #44:

symbol $a_{12} : (-0.0, inf)$

symbol $c_1 : (-inf, 0.0)$

symbol $a_{11} : (-inf, 0.0)$

symbol $a_{22} : (-inf, 0.0]$

symbol $b_1 : [-0.0, inf)$

symbol $b_2 : [-0.0, inf)$

symbol $a_{21} : (-0.0, inf)$

$$-c_2 a_{21} + c_1 a_{22} > 0$$

$$a_{12} a_{21} - a_{11} a_{22} > 0$$

$$c_1 a_{12} - c_2 a_{11} > 0$$

$$-3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 + a_{12}^3 a_{21}^3 \geq 0$$

$$-a_{12}^2 a_{21}^2 + 2.00 \cdot a_{12} a_{11} a_{22} a_{21} - a_{11}^2 a_{22}^2 > 0$$

$$c_1 a_{12}^2 a_{21} - a_{12} c_2 a_{11} a_{21} - c_1 a_{12} a_{11} a_{22} + c_2 a_{11}^2 a_{22} \geq 0$$

$$3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 - a_{12}^3 a_{21}^3 > 0$$

$$\begin{aligned}
& -3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 + a_{12}^3 a_{21}^3 > 0 \\
& 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 + 56.00 \cdot \\
& a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - a_{12}^8 a_{21}^8 - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - a_{11}^8 a_{22}^8 \geq 0 \\
& -8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 - 56.00 \cdot \\
& a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + a_{12}^8 a_{21}^8 + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + a_{11}^8 a_{22}^8 > 0
\end{aligned}$$

pot #45:

symbol a_{12} : $(-0.0, inf)$

symbol c_1 : $(-inf, 0.0)$

symbol a_{11} : $(-inf, 0.0)$

symbol a_{22} : $(-inf, 0.0]$

symbol b_1 : $[-0.0, inf)$

symbol b_2 : $[-0.0, inf)$

symbol a_{21} : $(-0.0, inf)$

$$-c_2 a_{21} + c_1 a_{22} > 0$$

$$a_{12} a_{21} - a_{11} a_{22} > 0$$

$$c_1 a_{12} - c_2 a_{11} > 0$$

$$-3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 + a_{12}^3 a_{21}^3 \geq 0$$

$$-a_{12}^2 a_{21}^2 + 2.00 \cdot a_{12} a_{11} a_{22} a_{21} - a_{11}^2 a_{22}^2 > 0$$

$$c_1 a_{12}^2 a_{21} - a_{12} c_2 a_{11} a_{21} - c_1 a_{12} a_{11} a_{22} + c_2 a_{11}^2 a_{22} \geq 0$$

$$3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 - a_{12}^3 a_{21}^3 > 0$$

$$-3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 + a_{12}^3 a_{21}^3 > 0$$

$$-8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 - 56.00 \cdot$$

$$a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + a_{12}^8 a_{21}^8 + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + a_{11}^8 a_{22}^8 \geq 0$$

$$8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 + 56.00 \cdot$$

$$a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - a_{12}^8 a_{21}^8 - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - a_{11}^8 a_{22}^8 > 0$$

pot #46:

symbol a_{12} : $(-0.0, inf)$

symbol c_1 : $(-inf, 0.0)$

symbol a_{11} : $(-inf, 0.0)$

symbol a_{22} : $(-inf, 0.0]$

symbol b_1 : $[-0.0, inf)$

symbol b_2 : -0.0

symbol a_{21} : $(-0.0, inf)$

$$-c_2 a_{21} + c_1 a_{22} > 0$$

$$a_{12} a_{21} - a_{11} a_{22} > 0$$

$$c_1 a_{12} - c_2 a_{11} > 0$$

$$-3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 + a_{12}^3 a_{21}^3 \geq 0$$

$$-a_{12}^2 a_{21}^2 + 2.00 \cdot a_{12} a_{11} a_{22} a_{21} - a_{11}^2 a_{22}^2 > 0$$

$$c_1 a_{12}^2 a_{21} - a_{12} c_2 a_{11} a_{21} - c_1 a_{12} a_{11} a_{22} + c_2 a_{11}^2 a_{22} \geq 0$$

$$3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 - a_{12}^3 a_{21}^3 > 0$$

$$-3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 + a_{12}^3 a_{21}^3 > 0$$

$$8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 + 56.00 \cdot$$

$$a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - a_{12}^8 a_{21}^8 - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - a_{11}^8 a_{22}^8 \geq 0$$

$$8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 + 56.00 \cdot$$

$$a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - a_{12}^8 a_{21}^8 - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - a_{11}^8 a_{22}^8 > 0$$

pot #47:

symbol a_{12} : $(-0.0, inf)$

symbol c_1 : $(-inf, 0.0)$

symbol a_{11} : $(-inf, 0.0)$

symbol a_{22} : $(-inf, 0.0]$

symbol $b_1 : [-0.0, inf)$

symbol $b_2 : -0.0$

symbol $a_{21} : (-0.0, inf)$

$$-c_2 a_{21} + c_1 a_{22} > 0$$

$$a_{12} a_{21} - a_{11} a_{22} > 0$$

$$c_1 a_{12} - c_2 a_{11} > 0$$

$$-3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 + a_{12}^3 a_{21}^3 \geq 0$$

$$-a_{12}^2 a_{21}^2 + 2.00 \cdot a_{12} a_{11} a_{22} a_{21} - a_{11}^2 a_{22}^2 > 0$$

$$c_1 a_{12}^2 a_{21} - a_{12} c_2 a_{11} a_{21} - c_1 a_{12} a_{11} a_{22} + c_2 a_{11}^2 a_{22} \geq 0$$

$$3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 - a_{12}^3 a_{21}^3 > 0$$

$$-3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 + a_{12}^3 a_{21}^3 > 0$$

$$-8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 - 56.00 \cdot$$

$$a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + a_{12}^8 a_{21}^8 + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + a_{11}^8 a_{22}^8 \geq 0$$

$$-8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 - 56.00 \cdot$$

$$a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + a_{12}^8 a_{21}^8 + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + a_{11}^8 a_{22}^8 > 0$$

pot #48:

symbol $a_{12} : (-0.0, inf)$

symbol $c_1 : (-inf, 0.0)$

symbol $a_{11} : (-inf, 0.0)$

symbol $a_{22} : (-inf, 0.0]$

symbol $b_1 : [-0.0, inf)$

symbol $b_2 : [-0.0, inf)$

symbol $a_{21} : (-0.0, inf)$

$$-c_2 a_{21} + c_1 a_{22} > 0$$

$$a_{12} a_{21} - a_{11} a_{22} > 0$$

$$c_1 a_{12} - c_2 a_{11} > 0$$

$$-3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 + a_{12}^3 a_{21}^3 \geq 0$$

$$-a_{12}^2 a_{21}^2 + 2.00 \cdot a_{12} a_{11} a_{22} a_{21} - a_{11}^2 a_{22}^2 > 0$$

$$c_1 a_{12}^2 a_{21} - a_{12} c_2 a_{11} a_{21} - c_1 a_{12} a_{11} a_{22} + c_2 a_{11}^2 a_{22} \geq 0$$

$$-3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 + a_{12}^3 a_{21}^3 > 0$$

$$3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 - a_{12}^3 a_{21}^3 > 0$$

$$8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 + 56.00 \cdot$$

$$a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - a_{12}^8 a_{21}^8 - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - a_{11}^8 a_{22}^8 \geq 0$$

$$-8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 - 56.00 \cdot$$

$$a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + a_{12}^8 a_{21}^8 + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + a_{11}^8 a_{22}^8 > 0$$

pot #49:

symbol $a_{12} : (-0.0, inf)$

symbol $c_1 : (-inf, 0.0)$

symbol $a_{11} : (-inf, 0.0)$

symbol $a_{22} : (-inf, 0.0]$

symbol $b_1 : [-0.0, inf)$

symbol $b_2 : [-0.0, inf)$

symbol $a_{21} : (-0.0, inf)$

$$-c_2 a_{21} + c_1 a_{22} > 0$$

$$a_{12} a_{21} - a_{11} a_{22} > 0$$

$$c_1 a_{12} - c_2 a_{11} > 0$$

$$-3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 + a_{12}^3 a_{21}^3 \geq 0$$

$$-a_{12}^2 a_{21}^2 + 2.00 \cdot a_{12} a_{11} a_{22} a_{21} - a_{11}^2 a_{22}^2 > 0$$

$$c_1 a_{12}^2 a_{21} - a_{12} c_2 a_{11} a_{21} - c_1 a_{12} a_{11} a_{22} + c_2 a_{11}^2 a_{22} \geq 0$$

$$-3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 + a_{12}^3 a_{21}^3 > 0$$

$$\begin{aligned}
& 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 - a_{12}^3 a_{21}^3 > 0 \\
& -8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 - 56.00 \cdot \\
& a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + a_{12}^8 a_{21}^8 + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^2 a_{21}^2 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + a_{11}^8 a_{22}^8 \geq 0 \\
& 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 + 56.00 \cdot \\
& a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - a_{12}^8 a_{21}^8 - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^2 a_{21}^2 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - a_{11}^8 a_{22}^8 > 0
\end{aligned}$$

pot #50:

symbol a_{12} : $(-0.0, inf)$

symbol c_1 : $(-inf, 0.0)$

symbol a_{11} : $(-inf, 0.0)$

symbol a_{22} : $(-inf, 0.0]$

symbol b_1 : $[-0.0, inf)$

symbol b_2 : -0.0

symbol a_{21} : $(-0.0, inf)$

$$-c_2 a_{21} + c_1 a_{22} > 0$$

$$a_{12} a_{21} - a_{11} a_{22} > 0$$

$$c_1 a_{12} - c_2 a_{11} > 0$$

$$-3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 + a_{12}^3 a_{21}^3 \geq 0$$

$$-a_{12}^2 a_{21}^2 + 2.00 \cdot a_{12} a_{11} a_{22} a_{21} - a_{11}^2 a_{22}^2 > 0$$

$$c_1 a_{12}^2 a_{21} - a_{12} c_2 a_{11} a_{21} - c_1 a_{12} a_{11} a_{22} + c_2 a_{11}^2 a_{22} \geq 0$$

$$-3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 + a_{12}^3 a_{21}^3 > 0$$

$$3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 - a_{12}^3 a_{21}^3 > 0$$

$$8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 + 56.00 \cdot$$

$$a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - a_{12}^8 a_{21}^8 - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^2 a_{21}^2 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - a_{11}^8 a_{22}^8 \geq 0$$

$$8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 + 56.00 \cdot$$

$$a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - a_{12}^8 a_{21}^8 - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^2 a_{21}^2 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - a_{11}^8 a_{22}^8 > 0$$

pot #51:

symbol a_{12} : $(-0.0, inf)$

symbol c_1 : $(-inf, 0.0)$

symbol a_{11} : $(-inf, 0.0)$

symbol a_{22} : $(-inf, 0.0]$

symbol b_1 : $[-0.0, inf)$

symbol b_2 : -0.0

symbol a_{21} : $(-0.0, inf)$

$$-c_2 a_{21} + c_1 a_{22} > 0$$

$$a_{12} a_{21} - a_{11} a_{22} > 0$$

$$c_1 a_{12} - c_2 a_{11} > 0$$

$$-3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 + a_{12}^3 a_{21}^3 \geq 0$$

$$-a_{12}^2 a_{21}^2 + 2.00 \cdot a_{12} a_{11} a_{22} a_{21} - a_{11}^2 a_{22}^2 > 0$$

$$c_1 a_{12}^2 a_{21} - a_{12} c_2 a_{11} a_{21} - c_1 a_{12} a_{11} a_{22} + c_2 a_{11}^2 a_{22} \geq 0$$

$$-3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 + a_{12}^3 a_{21}^3 > 0$$

$$3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 - a_{12}^3 a_{21}^3 > 0$$

$$-8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 - 56.00 \cdot$$

$$a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + a_{12}^8 a_{21}^8 + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^2 a_{21}^2 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + a_{11}^8 a_{22}^8 \geq 0$$

$$-8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 - 56.00 \cdot$$

$$a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + a_{12}^8 a_{21}^8 + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^2 a_{21}^2 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + a_{11}^8 a_{22}^8 > 0$$

pot #52:

symbol a_{12} : $(-0.0, inf)$

symbol c_1 : $(-inf, 0.0)$

symbol a_{11} : $(-inf, 0.0)$

symbol a_{22} : $(-inf, 0.0]$

symbol $b_1 : [-0.0, inf)$
 symbol $b_2 : [-0.0, inf)$
 symbol $a_{21} : (-0.0, inf)$
 $-c_2a_{21} + c_1a_{22} > 0$
 $a_{12}a_{21} - a_{11}a_{22} > 0$
 $c_1a_{12} - c_2a_{11} > 0$
 $-3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 + 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} - a_{11}^3a_{22}^3 + a_{12}^3a_{21}^3 \geq 0$
 $-a_{12}^2a_{21}^2 + 2.00 \cdot a_{12}a_{11}a_{22}a_{21} - a_{11}^2a_{22}^2 > 0$
 $c_1a_{12}^2a_{21} - a_{12}c_2a_{11}a_{21} - c_1a_{12}a_{11}a_{22} + c_2a_{11}^2a_{22} \geq 0$
 $-3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 + 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} - a_{11}^3a_{22}^3 + a_{12}^3a_{21}^3 > 0$
 $-a_{12}^3a_{21}^3 + 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 - 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} + a_{11}^3a_{22}^3 > 0$
 $8.00 \cdot a_{12}^7a_{11}a_{22}a_{21}^7 - 28.00 \cdot a_{12}^6a_{11}^2a_{22}^2a_{21}^6 + 56.00 \cdot a_{12}^5a_{11}^3a_{22}^3a_{21}^5 - 70.00 \cdot a_{12}^4a_{11}^4a_{22}^4a_{21}^4 + 56.00 \cdot$
 $a_{12}^3a_{11}^5a_{22}^5a_{21}^3 - a_{12}^8a_{21}^8 - 28.00 \cdot a_{12}^2a_{11}^6a_{22}^6a_{21}^2 + 8.00 \cdot a_{12}a_{11}^7a_{22}^7a_{21} - a_{11}^8a_{22}^8 \geq 0$
 $-8.00 \cdot a_{12}^7a_{11}a_{22}a_{21}^7 + 28.00 \cdot a_{12}^6a_{11}^2a_{22}^2a_{21}^6 - 56.00 \cdot a_{12}^5a_{11}^3a_{22}^3a_{21}^5 + 70.00 \cdot a_{12}^4a_{11}^4a_{22}^4a_{21}^4 - 56.00 \cdot$
 $a_{12}^3a_{11}^5a_{22}^5a_{21}^3 + a_{12}^8a_{21}^8 + 28.00 \cdot a_{12}^2a_{11}^6a_{22}^6a_{21}^2 - 8.00 \cdot a_{12}a_{11}^7a_{22}^7a_{21} + a_{11}^8a_{22}^8 > 0$
 pot #53:

symbol $a_{12} : (-0.0, inf)$
 symbol $c_1 : (-inf, 0.0)$
 symbol $a_{11} : (-inf, 0.0)$
 symbol $a_{22} : (-inf, 0.0]$
 symbol $b_1 : [-0.0, inf)$
 symbol $b_2 : [-0.0, inf)$
 symbol $a_{21} : (-0.0, inf)$
 $-c_2a_{21} + c_1a_{22} > 0$
 $a_{12}a_{21} - a_{11}a_{22} > 0$
 $c_1a_{12} - c_2a_{11} > 0$
 $-3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 + 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} - a_{11}^3a_{22}^3 + a_{12}^3a_{21}^3 \geq 0$
 $-a_{12}^2a_{21}^2 + 2.00 \cdot a_{12}a_{11}a_{22}a_{21} - a_{11}^2a_{22}^2 > 0$
 $c_1a_{12}^2a_{21} - a_{12}c_2a_{11}a_{21} - c_1a_{12}a_{11}a_{22} + c_2a_{11}^2a_{22} \geq 0$
 $-3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 + 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} - a_{11}^3a_{22}^3 + a_{12}^3a_{21}^3 > 0$
 $-a_{12}^3a_{21}^3 + 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 - 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} + a_{11}^3a_{22}^3 > 0$
 $-8.00 \cdot a_{12}^7a_{11}a_{22}a_{21}^7 + 28.00 \cdot a_{12}^6a_{11}^2a_{22}^2a_{21}^6 - 56.00 \cdot a_{12}^5a_{11}^3a_{22}^3a_{21}^5 + 70.00 \cdot a_{12}^4a_{11}^4a_{22}^4a_{21}^4 - 56.00 \cdot$
 $a_{12}^3a_{11}^5a_{22}^5a_{21}^3 + a_{12}^8a_{21}^8 + 28.00 \cdot a_{12}^2a_{11}^6a_{22}^6a_{21}^2 - 8.00 \cdot a_{12}a_{11}^7a_{22}^7a_{21} + a_{11}^8a_{22}^8 \geq 0$
 $8.00 \cdot a_{12}^7a_{11}a_{22}a_{21}^7 - 28.00 \cdot a_{12}^6a_{11}^2a_{22}^2a_{21}^6 + 56.00 \cdot a_{12}^5a_{11}^3a_{22}^3a_{21}^5 - 70.00 \cdot a_{12}^4a_{11}^4a_{22}^4a_{21}^4 + 56.00 \cdot$
 $a_{12}^3a_{11}^5a_{22}^5a_{21}^3 - a_{12}^8a_{21}^8 - 28.00 \cdot a_{12}^2a_{11}^6a_{22}^6a_{21}^2 + 8.00 \cdot a_{12}a_{11}^7a_{22}^7a_{21} - a_{11}^8a_{22}^8 > 0$
 pot #54:

symbol $a_{12} : (-0.0, inf)$
 symbol $c_1 : (-inf, 0.0)$
 symbol $a_{11} : (-inf, 0.0)$
 symbol $a_{22} : (-inf, 0.0]$
 symbol $b_1 : [-0.0, inf)$
 symbol $b_2 : -0.0$
 symbol $a_{21} : (-0.0, inf)$
 $-c_2a_{21} + c_1a_{22} > 0$
 $a_{12}a_{21} - a_{11}a_{22} > 0$
 $c_1a_{12} - c_2a_{11} > 0$
 $-3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 + 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} - a_{11}^3a_{22}^3 + a_{12}^3a_{21}^3 \geq 0$
 $-a_{12}^2a_{21}^2 + 2.00 \cdot a_{12}a_{11}a_{22}a_{21} - a_{11}^2a_{22}^2 > 0$
 $c_1a_{12}^2a_{21} - a_{12}c_2a_{11}a_{21} - c_1a_{12}a_{11}a_{22} + c_2a_{11}^2a_{22} \geq 0$
 $-3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 + 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} - a_{11}^3a_{22}^3 + a_{12}^3a_{21}^3 > 0$

$$\begin{aligned}
& -a_{12}^3 a_{21}^3 + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 > 0 \\
& 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 + 56.00 \cdot \\
& a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - a_{12}^8 a_{21}^8 - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - a_{11}^8 a_{22}^8 \geq 0 \\
& 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 + 56.00 \cdot \\
& a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - a_{12}^8 a_{21}^8 - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - a_{11}^8 a_{22}^8 > 0
\end{aligned}$$

pot #55:

symbol a_{12} : $(-0.0, inf)$

symbol c_1 : $(-inf, 0.0)$

symbol a_{11} : $(-inf, 0.0)$

symbol a_{22} : $(-inf, 0.0]$

symbol b_1 : $[-0.0, inf)$

symbol b_2 : -0.0

symbol a_{21} : $(-0.0, inf)$

$$-c_2 a_{21} + c_1 a_{22} > 0$$

$$a_{12} a_{21} - a_{11} a_{22} > 0$$

$$c_1 a_{12} - c_2 a_{11} > 0$$

$$-3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 + a_{12}^3 a_{21}^3 \geq 0$$

$$-a_{12}^2 a_{21}^2 + 2.00 \cdot a_{12} a_{11} a_{22} a_{21} - a_{11}^2 a_{22}^2 > 0$$

$$c_1 a_{12}^2 a_{21} - a_{12} c_2 a_{11} a_{21} - c_1 a_{12} a_{11} a_{22} + c_2 a_{11}^2 a_{22} \geq 0$$

$$-3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 + a_{12}^3 a_{21}^3 > 0$$

$$-a_{12}^3 a_{21}^3 + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 > 0$$

$$-8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 - 56.00 \cdot$$

$$a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + a_{12}^8 a_{21}^8 + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + a_{11}^8 a_{22}^8 \geq 0$$

$$-8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 - 56.00 \cdot$$

$$a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + a_{12}^8 a_{21}^8 + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + a_{11}^8 a_{22}^8 > 0$$

pot #56:

symbol a_{12} : $(-0.0, inf)$

symbol c_1 : $(-inf, 0.0)$

symbol a_{11} : $(-inf, 0.0)$

symbol a_{22} : $(-inf, 0.0]$

symbol b_1 : $[-0.0, inf)$

symbol b_2 : $[-0.0, inf)$

symbol a_{21} : $(-0.0, inf)$

$$-c_2 a_{21} + c_1 a_{22} > 0$$

$$a_{12} a_{21} - a_{11} a_{22} > 0$$

$$c_1 a_{12} - c_2 a_{11} > 0$$

$$-3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 + a_{12}^3 a_{21}^3 \geq 0$$

$$-a_{12}^2 a_{21}^2 + 2.00 \cdot a_{12} a_{11} a_{22} a_{21} - a_{11}^2 a_{22}^2 > 0$$

$$c_1 a_{12}^2 a_{21} - a_{12} c_2 a_{11} a_{21} - c_1 a_{12} a_{11} a_{22} + c_2 a_{11}^2 a_{22} \geq 0$$

$$3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 - a_{12}^3 a_{21}^3 > 0$$

$$a_{12}^3 a_{21}^3 - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 > 0$$

pot #57:

symbol a_{12} : $(-0.0, inf)$

symbol c_1 : $(-inf, 0.0)$

symbol a_{11} : $(-inf, 0.0)$

symbol a_{22} : $(-inf, 0.0]$

symbol b_1 : $[-0.0, inf)$

symbol b_2 : $[-0.0, inf)$

symbol a_{21} : $(-0.0, inf)$

$$-c_2 a_{21} + c_1 a_{22} > 0$$

$$\begin{aligned}
& a_{12}a_{21} - a_{11}a_{22} > 0 \\
& c_1a_{12} - c_2a_{11} > 0 \\
& -3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 + 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} - a_{11}^3a_{22}^3 + a_{12}^3a_{21}^3 \geq 0 \\
& -a_{12}^2a_{21}^2 + 2.00 \cdot a_{12}a_{11}a_{22}a_{21} - a_{11}^2a_{22}^2 > 0 \\
& c_1a_{12}^2a_{21} - a_{12}c_2a_{11}a_{21} - c_1a_{12}a_{11}a_{22} + c_2a_{11}^2a_{22} \geq 0 \\
& 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 - 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} + a_{11}^3a_{22}^3 - a_{12}^3a_{21}^3 > 0 \\
& 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 - 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} + a_{11}^3a_{22}^3 - a_{12}^3a_{21}^3 \geq 0
\end{aligned}$$

pot #58:

$$\begin{aligned}
& \text{symbol } a_{12} : (-0.0, \text{inf}) \\
& \text{symbol } c_1 : (-\text{inf}, 0.0) \\
& \text{symbol } a_{11} : (-\text{inf}, 0.0) \\
& \text{symbol } a_{22} : (-\text{inf}, 0.0] \\
& \text{symbol } b_1 : [-0.0, \text{inf}) \\
& \text{symbol } b_2 : [-0.0, \text{inf}) \\
& \text{symbol } a_{21} : (-0.0, \text{inf}) \\
& -c_2a_{21} + c_1a_{22} > 0
\end{aligned}$$

$$\begin{aligned}
& a_{12}a_{21} - a_{11}a_{22} > 0 \\
& c_1a_{12} - c_2a_{11} > 0 \\
& -3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 + 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} - a_{11}^3a_{22}^3 + a_{12}^3a_{21}^3 \geq 0 \\
& -a_{12}^2a_{21}^2 + 2.00 \cdot a_{12}a_{11}a_{22}a_{21} - a_{11}^2a_{22}^2 > 0 \\
& c_1a_{12}^2a_{21} - a_{12}c_2a_{11}a_{21} - c_1a_{12}a_{11}a_{22} + c_2a_{11}^2a_{22} \geq 0 \\
& -3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 + 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} - a_{11}^3a_{22}^3 + a_{12}^3a_{21}^3 > 0
\end{aligned}$$

pot #59:

$$\begin{aligned}
& \text{symbol } a_{12} : (-0.0, \text{inf}) \\
& \text{symbol } c_1 : (-\text{inf}, 0.0) \\
& \text{symbol } a_{11} : (-\text{inf}, 0.0) \\
& \text{symbol } a_{22} : (-\text{inf}, 0.0] \\
& \text{symbol } b_1 : [-0.0, \text{inf}) \\
& \text{symbol } b_2 : [-0.0, \text{inf}) \\
& \text{symbol } a_{21} : (-0.0, \text{inf})
\end{aligned}$$

$$\begin{aligned}
& -c_2a_{21} + c_1a_{22} > 0 \\
& a_{12}a_{21} - a_{11}a_{22} > 0 \\
& c_1a_{12} - c_2a_{11} > 0 \\
& -3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 + 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} - a_{11}^3a_{22}^3 + a_{12}^3a_{21}^3 \geq 0 \\
& -a_{12}^2a_{21}^2 + 2.00 \cdot a_{12}a_{11}a_{22}a_{21} - a_{11}^2a_{22}^2 > 0 \\
& c_1a_{12}^2a_{21} - a_{12}c_2a_{11}a_{21} - c_1a_{12}a_{11}a_{22} + c_2a_{11}^2a_{22} \geq 0 \\
& -3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 + 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} - a_{11}^3a_{22}^3 + a_{12}^3a_{21}^3 > 0 \\
& 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 - 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} + a_{11}^3a_{22}^3 - a_{12}^3a_{21}^3 \geq 0 \\
& -a_{12}^3a_{21}^3 + 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 - 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} + a_{11}^3a_{22}^3 > 0
\end{aligned}$$

pot #60:

$$\begin{aligned}
& \text{symbol } a_{12} : (-0.0, \text{inf}) \\
& \text{symbol } c_1 : (-\text{inf}, 0.0) \\
& \text{symbol } a_{11} : (-\text{inf}, 0.0) \\
& \text{symbol } a_{22} : (-\text{inf}, 0.0] \\
& \text{symbol } b_1 : -0.0 \\
& \text{symbol } b_2 : [-0.0, \text{inf}) \\
& \text{symbol } a_{21} : (-0.0, \text{inf}) \\
& -c_2a_{21} + c_1a_{22} > 0 \\
& a_{12}a_{21} - a_{11}a_{22} > 0 \\
& c_1a_{12} - c_2a_{11} > 0
\end{aligned}$$

$$\begin{aligned}
& 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 - a_{12}^3 a_{21}^3 \geq 0 \\
& -a_{12}^2 a_{21}^2 + 2.00 \cdot a_{12} a_{11} a_{22} a_{21} - a_{11}^2 a_{22}^2 > 0 \\
& c_1 a_{12}^2 a_{21} - a_{12} c_2 a_{11} a_{21} - c_1 a_{12} a_{11} a_{22} + c_2 a_{11}^2 a_{22} \geq 0 \\
& 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 - a_{12}^3 a_{21}^3 > 0 \\
& a_{12}^3 a_{21}^3 - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 > 0 \\
& 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 + 56.00 \cdot \\
& a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - a_{12}^8 a_{21}^8 - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - a_{11}^8 a_{22}^8 \geq 0 \\
& -8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 - 56.00 \cdot \\
& a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + a_{12}^8 a_{21}^8 + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + a_{11}^8 a_{22}^8 > 0
\end{aligned}$$

pot #61:

symbol a_{12} : $(-0.0, inf)$

symbol c_1 : $(-inf, 0.0)$

symbol a_{11} : $(-inf, 0.0)$

symbol a_{22} : $(-inf, 0.0]$

symbol b_1 : -0.0

symbol b_2 : $[-0.0, inf)$

symbol a_{21} : $(-0.0, inf)$

$$-c_2 a_{21} + c_1 a_{22} > 0$$

$$a_{12} a_{21} - a_{11} a_{22} > 0$$

$$c_1 a_{12} - c_2 a_{11} > 0$$

$$3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 - a_{12}^3 a_{21}^3 \geq 0$$

$$-a_{12}^2 a_{21}^2 + 2.00 \cdot a_{12} a_{11} a_{22} a_{21} - a_{11}^2 a_{22}^2 > 0$$

$$c_1 a_{12}^2 a_{21} - a_{12} c_2 a_{11} a_{21} - c_1 a_{12} a_{11} a_{22} + c_2 a_{11}^2 a_{22} \geq 0$$

$$3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 - a_{12}^3 a_{21}^3 > 0$$

$$a_{12}^3 a_{21}^3 - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 > 0$$

$$-8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 - 56.00 \cdot$$

$$a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + a_{12}^8 a_{21}^8 + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + a_{11}^8 a_{22}^8 \geq 0$$

$$8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 + 56.00 \cdot$$

$$a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - a_{12}^8 a_{21}^8 - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - a_{11}^8 a_{22}^8 > 0$$

pot #62:

symbol a_{12} : $(-0.0, inf)$

symbol c_1 : $(-inf, 0.0)$

symbol a_{11} : $(-inf, 0.0)$

symbol a_{22} : $(-inf, 0.0]$

symbol b_1 : -0.0

symbol b_2 : -0.0

symbol a_{21} : $(-0.0, inf)$

$$-c_2 a_{21} + c_1 a_{22} > 0$$

$$a_{12} a_{21} - a_{11} a_{22} > 0$$

$$c_1 a_{12} - c_2 a_{11} > 0$$

$$3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 - a_{12}^3 a_{21}^3 \geq 0$$

$$-a_{12}^2 a_{21}^2 + 2.00 \cdot a_{12} a_{11} a_{22} a_{21} - a_{11}^2 a_{22}^2 > 0$$

$$c_1 a_{12}^2 a_{21} - a_{12} c_2 a_{11} a_{21} - c_1 a_{12} a_{11} a_{22} + c_2 a_{11}^2 a_{22} \geq 0$$

$$3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 - a_{12}^3 a_{21}^3 > 0$$

$$a_{12}^3 a_{21}^3 - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 > 0$$

$$8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 + 56.00 \cdot$$

$$a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - a_{12}^8 a_{21}^8 - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - a_{11}^8 a_{22}^8 \geq 0$$

$$8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 + 56.00 \cdot$$

$$a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - a_{12}^8 a_{21}^8 - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - a_{11}^8 a_{22}^8 > 0$$

pot #63:

symbol a_{12} : $(-0.0, inf)$

symbol c_1 : $(-inf, 0.0)$

symbol a_{11} : $(-inf, 0.0)$

symbol a_{22} : $(-inf, 0.0]$

symbol b_1 : -0.0

symbol b_2 : -0.0

symbol a_{21} : $(-0.0, inf)$

$-c_2a_{21} + c_1a_{22} > 0$

$a_{12}a_{21} - a_{11}a_{22} > 0$

$c_1a_{12} - c_2a_{11} > 0$

$3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 - 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} + a_{11}^3a_{22}^3 - a_{12}^3a_{21}^3 \geq 0$

$-a_{12}^2a_{21}^2 + 2.00 \cdot a_{12}a_{11}a_{22}a_{21} - a_{11}^2a_{22}^2 > 0$

$c_1a_{12}^2a_{21} - a_{12}c_2a_{11}a_{21} - c_1a_{12}a_{11}a_{22} + c_2a_{11}^2a_{22} \geq 0$

$3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 - 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} + a_{11}^3a_{22}^3 - a_{12}^3a_{21}^3 > 0$

$a_{12}^3a_{21}^3 - 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 + 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} - a_{11}^3a_{22}^3 > 0$

$-8.00 \cdot a_{12}^7a_{11}a_{22}a_{21}^7 + 28.00 \cdot a_{12}^6a_{11}^2a_{22}^2a_{21}^6 - 56.00 \cdot a_{12}^5a_{11}^3a_{22}^3a_{21}^5 + 70.00 \cdot a_{12}^4a_{11}^4a_{22}^4a_{21}^4 - 56.00 \cdot$

$a_{12}^3a_{11}^5a_{22}^5a_{21}^3 + a_{12}^8a_{21}^8 + 28.00 \cdot a_{12}^2a_{11}^6a_{22}^6a_{21}^2 - 8.00 \cdot a_{12}a_{11}^7a_{22}^7a_{21} + a_{11}^8a_{22}^8 \geq 0$

$-8.00 \cdot a_{12}^7a_{11}a_{22}a_{21}^7 + 28.00 \cdot a_{12}^6a_{11}^2a_{22}^2a_{21}^6 - 56.00 \cdot a_{12}^5a_{11}^3a_{22}^3a_{21}^5 + 70.00 \cdot a_{12}^4a_{11}^4a_{22}^4a_{21}^4 - 56.00 \cdot$

$a_{12}^3a_{11}^5a_{22}^5a_{21}^3 + a_{12}^8a_{21}^8 + 28.00 \cdot a_{12}^2a_{11}^6a_{22}^6a_{21}^2 - 8.00 \cdot a_{12}a_{11}^7a_{22}^7a_{21} + a_{11}^8a_{22}^8 > 0$

pot #64:

symbol a_{12} : $(-0.0, inf)$

symbol c_1 : $(-inf, 0.0)$

symbol a_{11} : $(-inf, 0.0)$

symbol a_{22} : $(-inf, 0.0]$

symbol b_1 : -0.0

symbol b_2 : $[-0.0, inf)$

symbol a_{21} : $(-0.0, inf)$

$-c_2a_{21} + c_1a_{22} > 0$

$a_{12}a_{21} - a_{11}a_{22} > 0$

$c_1a_{12} - c_2a_{11} > 0$

$3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 - 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} + a_{11}^3a_{22}^3 - a_{12}^3a_{21}^3 \geq 0$

$-a_{12}^2a_{21}^2 + 2.00 \cdot a_{12}a_{11}a_{22}a_{21} - a_{11}^2a_{22}^2 > 0$

$c_1a_{12}^2a_{21} - a_{12}c_2a_{11}a_{21} - c_1a_{12}a_{11}a_{22} + c_2a_{11}^2a_{22} \geq 0$

$3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 - 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} + a_{11}^3a_{22}^3 - a_{12}^3a_{21}^3 > 0$

$-3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 + 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} - a_{11}^3a_{22}^3 + a_{12}^3a_{21}^3 > 0$

$8.00 \cdot a_{12}^7a_{11}a_{22}a_{21}^7 - 28.00 \cdot a_{12}^6a_{11}^2a_{22}^2a_{21}^6 + 56.00 \cdot a_{12}^5a_{11}^3a_{22}^3a_{21}^5 - 70.00 \cdot a_{12}^4a_{11}^4a_{22}^4a_{21}^4 + 56.00 \cdot$

$a_{12}^3a_{11}^5a_{22}^5a_{21}^3 - a_{12}^8a_{21}^8 - 28.00 \cdot a_{12}^2a_{11}^6a_{22}^6a_{21}^2 + 8.00 \cdot a_{12}a_{11}^7a_{22}^7a_{21} - a_{11}^8a_{22}^8 \geq 0$

$-8.00 \cdot a_{12}^7a_{11}a_{22}a_{21}^7 + 28.00 \cdot a_{12}^6a_{11}^2a_{22}^2a_{21}^6 - 56.00 \cdot a_{12}^5a_{11}^3a_{22}^3a_{21}^5 + 70.00 \cdot a_{12}^4a_{11}^4a_{22}^4a_{21}^4 - 56.00 \cdot$

$a_{12}^3a_{11}^5a_{22}^5a_{21}^3 + a_{12}^8a_{21}^8 + 28.00 \cdot a_{12}^2a_{11}^6a_{22}^6a_{21}^2 - 8.00 \cdot a_{12}a_{11}^7a_{22}^7a_{21} + a_{11}^8a_{22}^8 > 0$

pot #65:

symbol a_{12} : $(-0.0, inf)$

symbol c_1 : $(-inf, 0.0)$

symbol a_{11} : $(-inf, 0.0)$

symbol a_{22} : $(-inf, 0.0]$

symbol b_1 : -0.0

symbol b_2 : $[-0.0, inf)$

symbol a_{21} : $(-0.0, inf)$

$-c_2a_{21} + c_1a_{22} > 0$

$a_{12}a_{21} - a_{11}a_{22} > 0$

$c_1a_{12} - c_2a_{11} > 0$

symbol $a_{12} : (-0.0, inf)$

symbol $c_1 : (-inf, 0.0)$

symbol $a_{11} : (-inf, 0.0)$

symbol $a_{22} : (-inf, 0.0]$

symbol $b_1 : -0.0$

symbol $b_2 : [-0.0, inf)$

symbol $a_{21} : (-0.0, inf)$

$-c_2 a_{21} + c_1 a_{22} > 0$

$a_{12} a_{21} - a_{11} a_{22} > 0$

$c_1 a_{12} - c_2 a_{11} > 0$

$3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 - a_{12}^3 a_{21}^3 \geq 0$

$-a_{12}^2 a_{21}^2 + 2.00 \cdot a_{12} a_{11} a_{22} a_{21} - a_{11}^2 a_{22}^2 > 0$

$c_1 a_{12}^2 a_{21} - a_{12} c_2 a_{11} a_{21} - c_1 a_{12} a_{11} a_{22} + c_2 a_{11}^2 a_{22} \geq 0$

$-3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 + a_{12}^3 a_{21}^3 > 0$

$3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 - a_{12}^3 a_{21}^3 > 0$

$8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 + 56.00 \cdot$

$a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - a_{12}^8 a_{21}^8 - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - a_{11}^8 a_{22}^8 \geq 0$

$-8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 - 56.00 \cdot$

$a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + a_{12}^8 a_{21}^8 + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + a_{11}^8 a_{22}^8 > 0$

pot #69:

symbol $a_{12} : (-0.0, inf)$

symbol $c_1 : (-inf, 0.0)$

symbol $a_{11} : (-inf, 0.0)$

symbol $a_{22} : (-inf, 0.0]$

symbol $b_1 : -0.0$

symbol $b_2 : [-0.0, inf)$

symbol $a_{21} : (-0.0, inf)$

$-c_2 a_{21} + c_1 a_{22} > 0$

$a_{12} a_{21} - a_{11} a_{22} > 0$

$c_1 a_{12} - c_2 a_{11} > 0$

$3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 - a_{12}^3 a_{21}^3 \geq 0$

$-a_{12}^2 a_{21}^2 + 2.00 \cdot a_{12} a_{11} a_{22} a_{21} - a_{11}^2 a_{22}^2 > 0$

$c_1 a_{12}^2 a_{21} - a_{12} c_2 a_{11} a_{21} - c_1 a_{12} a_{11} a_{22} + c_2 a_{11}^2 a_{22} \geq 0$

$-3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 + a_{12}^3 a_{21}^3 > 0$

$3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 - a_{12}^3 a_{21}^3 > 0$

$-8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 - 56.00 \cdot$

$a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + a_{12}^8 a_{21}^8 + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + a_{11}^8 a_{22}^8 \geq 0$

$8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 + 56.00 \cdot$

$a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - a_{12}^8 a_{21}^8 - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - a_{11}^8 a_{22}^8 > 0$

pot #70:

symbol $a_{12} : (-0.0, inf)$

symbol $c_1 : (-inf, 0.0)$

symbol $a_{11} : (-inf, 0.0)$

symbol $a_{22} : (-inf, 0.0]$

symbol $b_1 : -0.0$

symbol $b_2 : -0.0$

symbol $a_{21} : (-0.0, inf)$

$-c_2 a_{21} + c_1 a_{22} > 0$

$a_{12} a_{21} - a_{11} a_{22} > 0$

$c_1 a_{12} - c_2 a_{11} > 0$

symbol $a_{12} : (-0.0, inf)$

symbol $c_1 : (-inf, 0.0)$

symbol $a_{11} : (-inf, 0.0)$

symbol $a_{22} : (-inf, 0.0]$

symbol $b_1 : -0.0$

symbol $b_2 : [-0.0, inf)$

symbol $a_{21} : (-0.0, inf)$

$-c_2 a_{21} + c_1 a_{22} > 0$

$a_{12} a_{21} - a_{11} a_{22} > 0$

$c_1 a_{12} - c_2 a_{11} > 0$

$3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 - a_{12}^3 a_{21}^3 \geq 0$

$-a_{12}^2 a_{21}^2 + 2.00 \cdot a_{12} a_{11} a_{22} a_{21} - a_{11}^2 a_{22}^2 > 0$

$c_1 a_{12}^2 a_{21} - a_{12} c_2 a_{11} a_{21} - c_1 a_{12} a_{11} a_{22} + c_2 a_{11}^2 a_{22} \geq 0$

$-3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 + a_{12}^3 a_{21}^3 > 0$

$-a_{12}^3 a_{21}^3 + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 > 0$

$-8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 - 56.00 \cdot$

$a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + a_{12}^8 a_{21}^8 + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + a_{11}^8 a_{22}^8 \geq 0$

$8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 + 56.00 \cdot$

$a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - a_{12}^8 a_{21}^8 - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - a_{11}^8 a_{22}^8 > 0$

pot #74:

symbol $a_{12} : (-0.0, inf)$

symbol $c_1 : (-inf, 0.0)$

symbol $a_{11} : (-inf, 0.0)$

symbol $a_{22} : (-inf, 0.0]$

symbol $b_1 : -0.0$

symbol $b_2 : -0.0$

symbol $a_{21} : (-0.0, inf)$

$-c_2 a_{21} + c_1 a_{22} > 0$

$a_{12} a_{21} - a_{11} a_{22} > 0$

$c_1 a_{12} - c_2 a_{11} > 0$

$3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 - a_{12}^3 a_{21}^3 \geq 0$

$-a_{12}^2 a_{21}^2 + 2.00 \cdot a_{12} a_{11} a_{22} a_{21} - a_{11}^2 a_{22}^2 > 0$

$c_1 a_{12}^2 a_{21} - a_{12} c_2 a_{11} a_{21} - c_1 a_{12} a_{11} a_{22} + c_2 a_{11}^2 a_{22} \geq 0$

$-3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 + a_{12}^3 a_{21}^3 > 0$

$-a_{12}^3 a_{21}^3 + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 > 0$

$8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 + 56.00 \cdot$

$a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - a_{12}^8 a_{21}^8 - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - a_{11}^8 a_{22}^8 \geq 0$

$8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 + 56.00 \cdot$

$a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - a_{12}^8 a_{21}^8 - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - a_{11}^8 a_{22}^8 > 0$

pot #75:

symbol $a_{12} : (-0.0, inf)$

symbol $c_1 : (-inf, 0.0)$

symbol $a_{11} : (-inf, 0.0)$

symbol $a_{22} : (-inf, 0.0]$

symbol $b_1 : -0.0$

symbol $b_2 : -0.0$

symbol $a_{21} : (-0.0, inf)$

$-c_2 a_{21} + c_1 a_{22} > 0$

$a_{12} a_{21} - a_{11} a_{22} > 0$

$c_1 a_{12} - c_2 a_{11} > 0$

$$\begin{aligned}
& 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 - a_{12}^3 a_{21}^3 \geq 0 \\
& -a_{12}^2 a_{21}^2 + 2.00 \cdot a_{12} a_{11} a_{22} a_{21} - a_{11}^2 a_{22}^2 > 0 \\
& c_1 a_{12}^2 a_{21} - a_{12} c_2 a_{11} a_{21} - c_1 a_{12} a_{11} a_{22} + c_2 a_{11}^2 a_{22} \geq 0 \\
& -3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 + a_{12}^3 a_{21}^3 > 0 \\
& -a_{12}^3 a_{21}^3 + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 > 0 \\
& -8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^6 a_{21} - 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 - 56.00 \cdot \\
& a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + a_{12}^8 a_{21}^8 + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + a_{11}^8 a_{22}^8 \geq 0 \\
& -8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^6 a_{21} - 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 - 56.00 \cdot \\
& a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + a_{12}^8 a_{21}^8 + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + a_{11}^8 a_{22}^8 > 0
\end{aligned}$$

pot #76:

symbol a_{12} : $(-0.0, inf)$

symbol c_1 : $(-inf, 0.0)$

symbol a_{11} : $(-inf, 0.0)$

symbol a_{22} : $(-inf, 0.0]$

symbol b_1 : -0.0

symbol b_2 : $[-0.0, inf)$

symbol a_{21} : $(-0.0, inf)$

$$-c_2 a_{21} + c_1 a_{22} > 0$$

$$a_{12} a_{21} - a_{11} a_{22} > 0$$

$$c_1 a_{12} - c_2 a_{11} > 0$$

$$3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 - a_{12}^3 a_{21}^3 \geq 0$$

$$-a_{12}^2 a_{21}^2 + 2.00 \cdot a_{12} a_{11} a_{22} a_{21} - a_{11}^2 a_{22}^2 > 0$$

$$c_1 a_{12}^2 a_{21} - a_{12} c_2 a_{11} a_{21} - c_1 a_{12} a_{11} a_{22} + c_2 a_{11}^2 a_{22} \geq 0$$

$$3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 - a_{12}^3 a_{21}^3 > 0$$

$$-3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 + a_{12}^3 a_{21}^3 \geq 0$$

$$a_{12}^3 a_{21}^3 - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 > 0$$

pot #77:

symbol a_{12} : $(-0.0, inf)$

symbol c_1 : $(-inf, 0.0)$

symbol a_{11} : $(-inf, 0.0)$

symbol a_{22} : $(-inf, 0.0]$

symbol b_1 : -0.0

symbol b_2 : $[-0.0, inf)$

symbol a_{21} : $(-0.0, inf)$

$$-c_2 a_{21} + c_1 a_{22} > 0$$

$$a_{12} a_{21} - a_{11} a_{22} > 0$$

$$c_1 a_{12} - c_2 a_{11} > 0$$

$$3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 - a_{12}^3 a_{21}^3 \geq 0$$

$$-a_{12}^2 a_{21}^2 + 2.00 \cdot a_{12} a_{11} a_{22} a_{21} - a_{11}^2 a_{22}^2 > 0$$

$$c_1 a_{12}^2 a_{21} - a_{12} c_2 a_{11} a_{21} - c_1 a_{12} a_{11} a_{22} + c_2 a_{11}^2 a_{22} \geq 0$$

$$3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 - a_{12}^3 a_{21}^3 > 0$$

pot #78:

symbol a_{12} : $(-0.0, inf)$

symbol c_1 : $(-inf, 0.0)$

symbol a_{11} : $(-inf, 0.0)$

symbol a_{22} : $(-inf, 0.0]$

symbol b_1 : -0.0

symbol b_2 : $[-0.0, inf)$

symbol a_{21} : $(-0.0, inf)$

$$-c_2 a_{21} + c_1 a_{22} > 0$$

$$a_{12}a_{21} - a_{11}a_{22} > 0$$

$$c_1a_{12} - c_2a_{11} > 0$$

$$3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 - 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} + a_{11}^3a_{22}^3 - a_{12}^3a_{21}^3 \geq 0$$

$$-a_{12}^2a_{21}^2 + 2.00 \cdot a_{12}a_{11}a_{22}a_{21} - a_{11}^2a_{22}^2 > 0$$

$$c_1a_{12}^2a_{21} - a_{12}c_2a_{11}a_{21} - c_1a_{12}a_{11}a_{22} + c_2a_{11}^2a_{22} \geq 0$$

$$-3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 + 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} - a_{11}^3a_{22}^3 + a_{12}^3a_{21}^3 > 0$$

$$-3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 + 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} - a_{11}^3a_{22}^3 + a_{12}^3a_{21}^3 \geq 0$$

pot #79:

$$\text{symbol } a_{12} : (-0.0, \text{inf})$$

$$\text{symbol } c_1 : (-\text{inf}, 0.0)$$

$$\text{symbol } a_{11} : (-\text{inf}, 0.0)$$

$$\text{symbol } a_{22} : (-\text{inf}, 0.0]$$

$$\text{symbol } b_1 : -0.0$$

$$\text{symbol } b_2 : [-0.0, \text{inf})$$

$$\text{symbol } a_{21} : (-0.0, \text{inf})$$

$$-c_2a_{21} + c_1a_{22} > 0$$

$$a_{12}a_{21} - a_{11}a_{22} > 0$$

$$c_1a_{12} - c_2a_{11} > 0$$

$$3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 - 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} + a_{11}^3a_{22}^3 - a_{12}^3a_{21}^3 \geq 0$$

$$-a_{12}^2a_{21}^2 + 2.00 \cdot a_{12}a_{11}a_{22}a_{21} - a_{11}^2a_{22}^2 > 0$$

$$c_1a_{12}^2a_{21} - a_{12}c_2a_{11}a_{21} - c_1a_{12}a_{11}a_{22} + c_2a_{11}^2a_{22} \geq 0$$

$$-3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 + 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} - a_{11}^3a_{22}^3 + a_{12}^3a_{21}^3 > 0$$

$$-a_{12}^3a_{21}^3 + 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 - 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} + a_{11}^3a_{22}^3 > 0$$

pot #80:

$$\text{symbol } a_{12} : (-0.0, \text{inf})$$

$$\text{symbol } c_1 : (-\text{inf}, 0.0)$$

$$\text{symbol } a_{11} : (-\text{inf}, 0.0)$$

$$\text{symbol } a_{22} : (-\text{inf}, 0.0]$$

$$\text{symbol } b_1 : -0.0$$

$$\text{symbol } b_2 : [-0.0, \text{inf})$$

$$\text{symbol } a_{21} : (-0.0, \text{inf})$$

$$-c_2a_{21} + c_1a_{22} > 0$$

$$a_{12}a_{21} - a_{11}a_{22} > 0$$

$$c_1a_{12} - c_2a_{11} > 0$$

$$-3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 + 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} - a_{11}^3a_{22}^3 + a_{12}^3a_{21}^3 \geq 0$$

$$a_{12}^2a_{21}^2 - 2.00 \cdot a_{12}a_{11}a_{22}a_{21} + a_{11}^2a_{22}^2 > 0$$

$$c_1a_{12}^2a_{21} - a_{12}c_2a_{11}a_{21} - c_1a_{12}a_{11}a_{22} + c_2a_{11}^2a_{22} \geq 0$$

$$3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 - 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} + a_{11}^3a_{22}^3 - a_{12}^3a_{21}^3 > 0$$

$$a_{12}^3a_{21}^3 - 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 + 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} - a_{11}^3a_{22}^3 > 0$$

$$8.00 \cdot a_{12}^7a_{11}a_{22}a_{21}^7 - 28.00 \cdot a_{12}^6a_{11}^2a_{22}^2a_{21}^6 + 56.00 \cdot a_{12}^5a_{11}^3a_{22}^3a_{21}^5 - 70.00 \cdot a_{12}^4a_{11}^4a_{22}^4a_{21}^4 + 56.00 \cdot$$

$$a_{12}^3a_{11}^5a_{22}^5a_{21}^3 - a_{12}^8a_{21}^8 - 28.00 \cdot a_{12}^2a_{11}^6a_{22}^6a_{21}^2 + 8.00 \cdot a_{12}a_{11}^7a_{22}^7a_{21} - a_{11}^8a_{22}^8 \geq 0$$

$$-8.00 \cdot a_{12}^7a_{11}a_{22}a_{21}^7 + 28.00 \cdot a_{12}^6a_{11}^2a_{22}^2a_{21}^6 - 56.00 \cdot a_{12}^5a_{11}^3a_{22}^3a_{21}^5 + 70.00 \cdot a_{12}^4a_{11}^4a_{22}^4a_{21}^4 - 56.00 \cdot$$

$$a_{12}^3a_{11}^5a_{22}^5a_{21}^3 + a_{12}^8a_{21}^8 + 28.00 \cdot a_{12}^2a_{11}^6a_{22}^6a_{21}^2 - 8.00 \cdot a_{12}a_{11}^7a_{22}^7a_{21} + a_{11}^8a_{22}^8 > 0$$

pot #81:

$$\text{symbol } a_{12} : (-0.0, \text{inf})$$

$$\text{symbol } c_1 : (-\text{inf}, 0.0)$$

$$\text{symbol } a_{11} : (-\text{inf}, 0.0)$$

$$\text{symbol } a_{22} : (-\text{inf}, 0.0]$$

$$\text{symbol } b_1 : -0.0$$

$$\text{symbol } b_2 : [-0.0, \text{inf})$$

$$-8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 - 56.00 \cdot$$

$$\begin{aligned}
& a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + a_{12}^8 a_{21}^8 + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + a_{11}^8 a_{22}^8 \geq 0 \\
& -8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^6 a_{21} - 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^5 a_{21} + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21} - 56.00 \cdot \\
& a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + a_{12}^8 a_{21}^8 + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + a_{11}^8 a_{22}^8 > 0
\end{aligned}$$

pot #84:

symbol a_{12} : $(-0.0, inf)$

symbol c_1 : $(-inf, 0.0)$

symbol a_{11} : $(-inf, 0.0)$

symbol a_{22} : $(-inf, 0.0]$

symbol b_1 : -0.0

symbol b_2 : $[-0.0, inf)$

symbol a_{21} : $(-0.0, inf)$

$$-c_2 a_{21} + c_1 a_{22} > 0$$

$$a_{12} a_{21} - a_{11} a_{22} > 0$$

$$c_1 a_{12} - c_2 a_{11} > 0$$

$$-3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 + a_{12}^3 a_{21}^3 \geq 0$$

$$a_{12}^2 a_{21}^2 - 2.00 \cdot a_{12} a_{11} a_{22} a_{21} + a_{11}^2 a_{22}^2 > 0$$

$$c_1 a_{12}^2 a_{21} - a_{12} c_2 a_{11} a_{21} - c_1 a_{12} a_{11} a_{22} + c_2 a_{11}^2 a_{22} \geq 0$$

$$3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 - a_{12}^3 a_{21}^3 > 0$$

$$-3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 + a_{12}^3 a_{21}^3 > 0$$

$$8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^6 a_{21} + 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^5 a_{21} - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21} + 56.00 \cdot$$

$$a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - a_{12}^8 a_{21}^8 - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - a_{11}^8 a_{22}^8 \geq 0$$

$$-8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^6 a_{21} - 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^5 a_{21} + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21} - 56.00 \cdot$$

$$a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + a_{12}^8 a_{21}^8 + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + a_{11}^8 a_{22}^8 > 0$$

pot #85:

symbol a_{12} : $(-0.0, inf)$

symbol c_1 : $(-inf, 0.0)$

symbol a_{11} : $(-inf, 0.0)$

symbol a_{22} : $(-inf, 0.0]$

symbol b_1 : -0.0

symbol b_2 : $[-0.0, inf)$

symbol a_{21} : $(-0.0, inf)$

$$-c_2 a_{21} + c_1 a_{22} > 0$$

$$a_{12} a_{21} - a_{11} a_{22} > 0$$

$$c_1 a_{12} - c_2 a_{11} > 0$$

$$-3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 + a_{12}^3 a_{21}^3 \geq 0$$

$$a_{12}^2 a_{21}^2 - 2.00 \cdot a_{12} a_{11} a_{22} a_{21} + a_{11}^2 a_{22}^2 > 0$$

$$c_1 a_{12}^2 a_{21} - a_{12} c_2 a_{11} a_{21} - c_1 a_{12} a_{11} a_{22} + c_2 a_{11}^2 a_{22} \geq 0$$

$$3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 - a_{12}^3 a_{21}^3 > 0$$

$$-3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 + a_{12}^3 a_{21}^3 > 0$$

$$-8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^6 a_{21} - 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^5 a_{21} + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21} - 56.00 \cdot$$

$$a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + a_{12}^8 a_{21}^8 + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + a_{11}^8 a_{22}^8 \geq 0$$

$$8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^6 a_{21} + 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^5 a_{21} - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21} + 56.00 \cdot$$

$$a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - a_{12}^8 a_{21}^8 - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - a_{11}^8 a_{22}^8 > 0$$

pot #86:

symbol a_{12} : $(-0.0, inf)$

symbol c_1 : $(-inf, 0.0)$

symbol a_{11} : $(-inf, 0.0)$

symbol a_{22} : $(-inf, 0.0]$

symbol b_1 : -0.0

symbol b_2 : -0.0

symbol $a_{21} : (-0.0, inf)$

$$-c_2 a_{21} + c_1 a_{22} > 0$$

$$a_{12} a_{21} - a_{11} a_{22} > 0$$

$$c_1 a_{12} - c_2 a_{11} > 0$$

$$-3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 + a_{12}^3 a_{21}^3 \geq 0$$

$$a_{12}^2 a_{21}^2 - 2.00 \cdot a_{12} a_{11} a_{22} a_{21} + a_{11}^2 a_{22}^2 > 0$$

$$c_1 a_{12}^2 a_{21} - a_{12} c_2 a_{11} a_{21} - c_1 a_{12} a_{11} a_{22} + c_2 a_{11}^2 a_{22} \geq 0$$

$$3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 - a_{12}^3 a_{21}^3 > 0$$

$$-3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 + a_{12}^3 a_{21}^3 > 0$$

$$8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 + 56.00 \cdot$$

$$a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - a_{12}^8 a_{21}^8 - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - a_{11}^8 a_{22}^8 \geq 0$$

$$8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 + 56.00 \cdot$$

$$a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - a_{12}^8 a_{21}^8 - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - a_{11}^8 a_{22}^8 > 0$$

pot #87:

symbol $a_{12} : (-0.0, inf)$

symbol $c_1 : (-inf, 0.0)$

symbol $a_{11} : (-inf, 0.0)$

symbol $a_{22} : (-inf, 0.0]$

symbol $b_1 : -0.0$

symbol $b_2 : -0.0$

symbol $a_{21} : (-0.0, inf)$

$$-c_2 a_{21} + c_1 a_{22} > 0$$

$$a_{12} a_{21} - a_{11} a_{22} > 0$$

$$c_1 a_{12} - c_2 a_{11} > 0$$

$$-3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 + a_{12}^3 a_{21}^3 \geq 0$$

$$a_{12}^2 a_{21}^2 - 2.00 \cdot a_{12} a_{11} a_{22} a_{21} + a_{11}^2 a_{22}^2 > 0$$

$$c_1 a_{12}^2 a_{21} - a_{12} c_2 a_{11} a_{21} - c_1 a_{12} a_{11} a_{22} + c_2 a_{11}^2 a_{22} \geq 0$$

$$3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 - a_{12}^3 a_{21}^3 > 0$$

$$-3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 + a_{12}^3 a_{21}^3 > 0$$

$$-8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 - 56.00 \cdot$$

$$a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + a_{12}^8 a_{21}^8 + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + a_{11}^8 a_{22}^8 \geq 0$$

$$-8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 - 56.00 \cdot$$

$$a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + a_{12}^8 a_{21}^8 + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + a_{11}^8 a_{22}^8 > 0$$

pot #88:

symbol $a_{12} : (-0.0, inf)$

symbol $c_1 : (-inf, 0.0)$

symbol $a_{11} : (-inf, 0.0)$

symbol $a_{22} : (-inf, 0.0]$

symbol $b_1 : -0.0$

symbol $b_2 : [-0.0, inf)$

symbol $a_{21} : (-0.0, inf)$

$$-c_2 a_{21} + c_1 a_{22} > 0$$

$$a_{12} a_{21} - a_{11} a_{22} > 0$$

$$c_1 a_{12} - c_2 a_{11} > 0$$

$$-3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 + a_{12}^3 a_{21}^3 \geq 0$$

$$a_{12}^2 a_{21}^2 - 2.00 \cdot a_{12} a_{11} a_{22} a_{21} + a_{11}^2 a_{22}^2 > 0$$

$$c_1 a_{12}^2 a_{21} - a_{12} c_2 a_{11} a_{21} - c_1 a_{12} a_{11} a_{22} + c_2 a_{11}^2 a_{22} \geq 0$$

$$-3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 + a_{12}^3 a_{21}^3 > 0$$

$$3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 - a_{12}^3 a_{21}^3 > 0$$

$$8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 + 56.00 \cdot$$

$$\begin{aligned}
& a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - a_{12}^8 a_{21}^8 - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - a_{11}^8 a_{22}^8 \geq 0 \\
& -8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^6 a_{21} - 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^5 a_{21} + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21} - 56.00 \cdot \\
& a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + a_{12}^8 a_{21}^8 + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + a_{11}^8 a_{22}^8 > 0
\end{aligned}$$

pot #89:

symbol a_{12} : $(-0.0, inf)$

symbol c_1 : $(-inf, 0.0)$

symbol a_{11} : $(-inf, 0.0)$

symbol a_{22} : $(-inf, 0.0]$

symbol b_1 : -0.0

symbol b_2 : $[-0.0, inf)$

symbol a_{21} : $(-0.0, inf)$

$$-c_2 a_{21} + c_1 a_{22} > 0$$

$$a_{12} a_{21} - a_{11} a_{22} > 0$$

$$c_1 a_{12} - c_2 a_{11} > 0$$

$$-3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 + a_{12}^3 a_{21}^3 \geq 0$$

$$a_{12}^2 a_{21}^2 - 2.00 \cdot a_{12} a_{11} a_{22} a_{21} + a_{11}^2 a_{22}^2 > 0$$

$$c_1 a_{12}^2 a_{21} - a_{12} c_2 a_{11} a_{21} - c_1 a_{12} a_{11} a_{22} + c_2 a_{11}^2 a_{22} \geq 0$$

$$-3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 + a_{12}^3 a_{21}^3 > 0$$

$$3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 - a_{12}^3 a_{21}^3 > 0$$

$$-8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^6 a_{21} - 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^5 a_{21} + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21} - 56.00 \cdot$$

$$a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + a_{12}^8 a_{21}^8 + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + a_{11}^8 a_{22}^8 \geq 0$$

$$8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^6 a_{21} + 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^5 a_{21} - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21} + 56.00 \cdot$$

$$a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - a_{12}^8 a_{21}^8 - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - a_{11}^8 a_{22}^8 > 0$$

pot #90:

symbol a_{12} : $(-0.0, inf)$

symbol c_1 : $(-inf, 0.0)$

symbol a_{11} : $(-inf, 0.0)$

symbol a_{22} : $(-inf, 0.0]$

symbol b_1 : -0.0

symbol b_2 : -0.0

symbol a_{21} : $(-0.0, inf)$

$$-c_2 a_{21} + c_1 a_{22} > 0$$

$$a_{12} a_{21} - a_{11} a_{22} > 0$$

$$c_1 a_{12} - c_2 a_{11} > 0$$

$$-3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 + a_{12}^3 a_{21}^3 \geq 0$$

$$a_{12}^2 a_{21}^2 - 2.00 \cdot a_{12} a_{11} a_{22} a_{21} + a_{11}^2 a_{22}^2 > 0$$

$$c_1 a_{12}^2 a_{21} - a_{12} c_2 a_{11} a_{21} - c_1 a_{12} a_{11} a_{22} + c_2 a_{11}^2 a_{22} \geq 0$$

$$-3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 + a_{12}^3 a_{21}^3 > 0$$

$$3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 - a_{12}^3 a_{21}^3 > 0$$

$$8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^6 a_{21} + 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^5 a_{21} - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21} + 56.00 \cdot$$

$$a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - a_{12}^8 a_{21}^8 - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - a_{11}^8 a_{22}^8 \geq 0$$

$$8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^6 a_{21} + 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^5 a_{21} - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21} + 56.00 \cdot$$

$$a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - a_{12}^8 a_{21}^8 - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - a_{11}^8 a_{22}^8 > 0$$

pot #91:

symbol a_{12} : $(-0.0, inf)$

symbol c_1 : $(-inf, 0.0)$

symbol a_{11} : $(-inf, 0.0)$

symbol a_{22} : $(-inf, 0.0]$

symbol b_1 : -0.0

symbol b_2 : -0.0

$$-8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 - 56.00 \cdot$$

$$\begin{aligned}
& a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + a_{12}^8 a_{21}^8 + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + a_{11}^8 a_{22}^8 \geq 0 \\
& 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 + 56.00 \cdot \\
& a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - a_{12}^8 a_{21}^8 - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - a_{11}^8 a_{22}^8 > 0
\end{aligned}$$

pot #94:

symbol a_{12} : $(-0.0, inf)$

symbol c_1 : $(-inf, 0.0)$

symbol a_{11} : $(-inf, 0.0)$

symbol a_{22} : $(-inf, 0.0]$

symbol b_1 : -0.0

symbol b_2 : -0.0

symbol a_{21} : $(-0.0, inf)$

$$-c_2 a_{21} + c_1 a_{22} > 0$$

$$a_{12} a_{21} - a_{11} a_{22} > 0$$

$$c_1 a_{12} - c_2 a_{11} > 0$$

$$-3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 + a_{12}^3 a_{21}^3 \geq 0$$

$$a_{12}^2 a_{21}^2 - 2.00 \cdot a_{12} a_{11} a_{22} a_{21} + a_{11}^2 a_{22}^2 > 0$$

$$c_1 a_{12}^2 a_{21} - a_{12} c_2 a_{11} a_{21} - c_1 a_{12} a_{11} a_{22} + c_2 a_{11}^2 a_{22} \geq 0$$

$$-3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 + a_{12}^3 a_{21}^3 > 0$$

$$-a_{12}^3 a_{21}^3 + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 > 0$$

$$8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 + 56.00 \cdot$$

$$a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - a_{12}^8 a_{21}^8 - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - a_{11}^8 a_{22}^8 \geq 0$$

$$8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 + 56.00 \cdot$$

$$a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - a_{12}^8 a_{21}^8 - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - a_{11}^8 a_{22}^8 > 0$$

pot #95:

symbol a_{12} : $(-0.0, inf)$

symbol c_1 : $(-inf, 0.0)$

symbol a_{11} : $(-inf, 0.0)$

symbol a_{22} : $(-inf, 0.0]$

symbol b_1 : -0.0

symbol b_2 : -0.0

symbol a_{21} : $(-0.0, inf)$

$$-c_2 a_{21} + c_1 a_{22} > 0$$

$$a_{12} a_{21} - a_{11} a_{22} > 0$$

$$c_1 a_{12} - c_2 a_{11} > 0$$

$$-3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 + a_{12}^3 a_{21}^3 \geq 0$$

$$a_{12}^2 a_{21}^2 - 2.00 \cdot a_{12} a_{11} a_{22} a_{21} + a_{11}^2 a_{22}^2 > 0$$

$$c_1 a_{12}^2 a_{21} - a_{12} c_2 a_{11} a_{21} - c_1 a_{12} a_{11} a_{22} + c_2 a_{11}^2 a_{22} \geq 0$$

$$-3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 + a_{12}^3 a_{21}^3 > 0$$

$$-a_{12}^3 a_{21}^3 + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 > 0$$

$$-8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 - 56.00 \cdot$$

$$a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + a_{12}^8 a_{21}^8 + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + a_{11}^8 a_{22}^8 \geq 0$$

$$-8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 - 56.00 \cdot$$

$$a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + a_{12}^8 a_{21}^8 + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + a_{11}^8 a_{22}^8 > 0$$

pot #96:

symbol a_{12} : $(-0.0, inf)$

symbol c_1 : $(-inf, 0.0)$

symbol a_{11} : $(-inf, 0.0)$

symbol a_{22} : $(-inf, 0.0]$

symbol b_1 : -0.0

symbol b_2 : $[-0.0, inf)$

symbol $a_{21} : (-0.0, inf)$
 $-c_2a_{21} + c_1a_{22} > 0$
 $a_{12}a_{21} - a_{11}a_{22} > 0$
 $c_1a_{12} - c_2a_{11} > 0$
 $-3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 + 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} - a_{11}^3a_{22}^3 + a_{12}^3a_{21}^3 \geq 0$
 $a_{12}^2a_{21}^2 - 2.00 \cdot a_{12}a_{11}a_{22}a_{21} + a_{11}^2a_{22}^2 > 0$
 $c_1a_{12}^2a_{21} - a_{12}c_2a_{11}a_{21} - c_1a_{12}a_{11}a_{22} + c_2a_{11}^2a_{22} \geq 0$
 $3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 - 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} + a_{11}^3a_{22}^3 - a_{12}^3a_{21}^3 > 0$
 $a_{12}^3a_{21}^3 - 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 + 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} - a_{11}^3a_{22}^3 > 0$
pot #97:

symbol $a_{12} : (-0.0, inf)$
symbol $c_1 : (-inf, 0.0)$
symbol $a_{11} : (-inf, 0.0)$
symbol $a_{22} : (-inf, 0.0]$
symbol $b_1 : -0.0$
symbol $b_2 : [-0.0, inf)$
symbol $a_{21} : (-0.0, inf)$
 $-c_2a_{21} + c_1a_{22} > 0$
 $a_{12}a_{21} - a_{11}a_{22} > 0$
 $c_1a_{12} - c_2a_{11} > 0$
 $-3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 + 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} - a_{11}^3a_{22}^3 + a_{12}^3a_{21}^3 \geq 0$
 $a_{12}^2a_{21}^2 - 2.00 \cdot a_{12}a_{11}a_{22}a_{21} + a_{11}^2a_{22}^2 > 0$
 $c_1a_{12}^2a_{21} - a_{12}c_2a_{11}a_{21} - c_1a_{12}a_{11}a_{22} + c_2a_{11}^2a_{22} \geq 0$
 $3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 - 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} + a_{11}^3a_{22}^3 - a_{12}^3a_{21}^3 > 0$
 $3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 - 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} + a_{11}^3a_{22}^3 - a_{12}^3a_{21}^3 \geq 0$
pot #98:

symbol $a_{12} : (-0.0, inf)$
symbol $c_1 : (-inf, 0.0)$
symbol $a_{11} : (-inf, 0.0)$
symbol $a_{22} : (-inf, 0.0]$
symbol $b_1 : -0.0$
symbol $b_2 : [-0.0, inf)$
symbol $a_{21} : (-0.0, inf)$
 $-c_2a_{21} + c_1a_{22} > 0$
 $a_{12}a_{21} - a_{11}a_{22} > 0$
 $c_1a_{12} - c_2a_{11} > 0$
 $-3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 + 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} - a_{11}^3a_{22}^3 + a_{12}^3a_{21}^3 \geq 0$
 $a_{12}^2a_{21}^2 - 2.00 \cdot a_{12}a_{11}a_{22}a_{21} + a_{11}^2a_{22}^2 > 0$
 $c_1a_{12}^2a_{21} - a_{12}c_2a_{11}a_{21} - c_1a_{12}a_{11}a_{22} + c_2a_{11}^2a_{22} \geq 0$
 $-3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 + 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} - a_{11}^3a_{22}^3 + a_{12}^3a_{21}^3 > 0$
pot #99:

symbol $a_{12} : (-0.0, inf)$
symbol $c_1 : (-inf, 0.0)$
symbol $a_{11} : (-inf, 0.0)$
symbol $a_{22} : (-inf, 0.0]$
symbol $b_1 : -0.0$
symbol $b_2 : [-0.0, inf)$
symbol $a_{21} : (-0.0, inf)$
 $-c_2a_{21} + c_1a_{22} > 0$
 $a_{12}a_{21} - a_{11}a_{22} > 0$

$$\begin{aligned}
& c_1 a_{12} - c_2 a_{11} > 0 \\
& -3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 + a_{12}^3 a_{21}^3 \geq 0 \\
& a_{12}^2 a_{21}^2 - 2.00 \cdot a_{12} a_{11} a_{22} a_{21} + a_{11}^2 a_{22}^2 > 0 \\
& c_1 a_{12}^2 a_{21} - a_{12} c_2 a_{11} a_{21} - c_1 a_{12} a_{11} a_{22} + c_2 a_{11}^2 a_{22} \geq 0 \\
& -3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 + a_{12}^3 a_{21}^3 > 0 \\
& 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 - a_{12}^3 a_{21}^3 \geq 0 \\
& -a_{12}^3 a_{21}^3 + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 > 0
\end{aligned}$$

x_2	$\frac{-b_1 a_{12}^2 a_{21}^3 + 2.00 \cdot b_1 a_{12} a_{11} a_{22} a_{21}^2 - b_1 a_{11}^2 a_{22}^2 a_{21} + a_{12}^2 b_2 a_{11} a_{21}^2 - 2.00 \cdot a_{12} b_2 a_{11}^2 a_{22} a_{21} + a_{11}^2 b_2 a_{22}^2 a_{21}}{-a_{12}^2 a_{21}^3 + 2.00 \cdot a_{12} a_{11} a_{22} a_{21}^2 - a_{11}^2 a_{22}^2 a_{21}}$
x_0	$\frac{8.00 \cdot a_{12}^7 b_2 a_{11} a_{22} a_{21}^7 - 28.00 \cdot a_{12}^6 b_2 a_{11}^2 a_{22}^2 a_{21}^6 + 56.00 \cdot a_{12}^5 b_2 a_{11}^3 a_{22}^3 a_{21}^5 - a_{12}^8 b_2 a_{21}^8 - 70.00 \cdot a_{12}^4 b_2 a_{11}^4 a_{22}^4 a_{21}^4 + 56.00 \cdot a_{12}^3 b_2 a_{11}^5 a_{22}^5 a_{21}^3 - 28.00 \cdot a_{12}^2 b_2 a_{11}^6 a_{22}^6 a_{21}^2 - 8.00 \cdot a_{12} b_2 a_{11}^7 a_{22}^7 a_{21}}{-a_{12}^8 a_{21}^9 + 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^8 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^7 + 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^6 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^5 + 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^4 - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^3 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21}}$
Ψ	$\frac{-8.00 \cdot a_{12}^7 c_1 a_{11} a_{22} b_2 a_{21}^7 + 28.00 \cdot a_{12}^6 c_1 a_{11}^2 a_{22}^2 b_2 a_{21}^6 - 56.00 \cdot a_{12}^5 c_1 a_{11}^3 a_{22}^3 b_2 a_{21}^5 + c_1 a_{12}^8 b_2 a_{21}^8 + 70.00 \cdot a_{12}^4 c_1 a_{11}^4 a_{22}^4 b_2 a_{21}^4 - 56.00 \cdot a_{12}^3 c_1 a_{11}^5 a_{22}^5 b_2 a_{21}^3 - 28.00 \cdot a_{12}^2 c_1 a_{11}^6 a_{22}^6 b_2 a_{21}^2 - 8.00 \cdot a_{12} c_1 a_{11}^7 a_{22}^7 b_2 a_{21}}{-a_{12}^8 a_{21}^9 + 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^8 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^7 + 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^6 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^5 + 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^4 - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^3 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21}}$

Table #1.0.0.1

Moving out basis: x_0 from line: 1

Moving to basis: x_2

pots:

pot #0:

symbol a_{12} : $(-\inf, 0.0]$

symbol c_1 : $(-\inf, 0.0)$

symbol a_{11} : $(-\inf, 0.0)$

symbol a_{22} : $(-0.0, \inf)$

symbol b_1 : $[-0.0, \inf)$

symbol b_2 : $[-0.0, \inf)$

symbol a_{21} : $(-0.0, \inf)$

$$-c_2 a_{21} + c_1 a_{22} > 0$$

$$a_{12} a_{21} - a_{11} a_{22} > 0$$

$$a_{12} b_2 - b_1 a_{22} \geq 0$$

$$c_1 a_{12} - c_2 a_{11} > 0$$

$$c_1 a_{12}^2 a_{21} - a_{12} c_2 a_{11} a_{21} - c_1 a_{12} a_{11} a_{22} + c_2 a_{11}^2 a_{22} \geq 0$$

$$3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 - a_{12}^3 a_{21}^3 > 0$$

$$a_{12}^3 a_{21}^3 - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 > 0$$

$$-8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + a_{12}^8 a_{21}^8 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 -$$

$$56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + a_{11}^8 a_{22}^8 \geq 0$$

$$-8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + a_{12}^8 a_{21}^8 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 -$$

$$56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + a_{11}^8 a_{22}^8 > 0$$

pot #1:

symbol a_{12} : $(-\inf, 0.0]$

symbol c_1 : $(-\inf, 0.0)$

symbol a_{11} : $(-\inf, 0.0)$

symbol a_{22} : $(-0.0, \inf)$

symbol b_1 : $[-0.0, \inf)$

symbol b_2 : $[-0.0, \inf)$

symbol a_{21} : $(-0.0, \inf)$

$$-c_2 a_{21} + c_1 a_{22} > 0$$

$$a_{12} a_{21} - a_{11} a_{22} > 0$$

$$a_{12} b_2 - b_1 a_{22} \geq 0$$

$$c_1 a_{12} - c_2 a_{11} > 0$$

$$c_1 a_{12}^2 a_{21} - a_{12} c_2 a_{11} a_{21} - c_1 a_{12} a_{11} a_{22} + c_2 a_{11}^2 a_{22} \geq 0$$

$$3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 - a_{12}^3 a_{21}^3 > 0$$

$$a_{12}^3 a_{21}^3 - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 > 0$$

$$8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - a_{12}^8 a_{21}^8 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 +$$

$$56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - a_{11}^8 a_{22}^8 \geq 0$$

$$8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - a_{12}^8 a_{21}^8 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 +$$

$$56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - a_{11}^8 a_{22}^8 > 0$$

pot #2:

symbol a_{12} : $(-\inf, 0.0]$

symbol c_1 : $(-\inf, 0.0)$

symbol a_{11} : $(-\inf, 0.0)$

symbol a_{22} : $(-0.0, \inf)$

symbol b_1 : $[-0.0, \inf)$

symbol b_2 : -0.0

$$56.00 : q_{12}^5 q_{11}^5 q_{22}^3 q_{21}^3 + 28.00 : q_{12}^6 q_{11}^6 q_{22}^2 q_{21}^2 - 8.00 : q_{12}^7 q_{11}^7 q_{22}^2 q_{21}^2 + q_{11}^8 q_{22}^8 \geq 0$$

pot #5:

symbol $a_{12} : (-inf, 0.0]$

symbol $c_1 : (-inf, 0.0)$

symbol $a_{11} : (-inf, 0.0)$

symbol $a_{22} : (-0.0, inf)$

symbol $b_1 : [-0.0, inf)$

symbol $b_2 : [-0.0, inf)$

symbol $a_{21} : (-0.0, inf)$

$$-c_2 a_{21} + c_1 a_{22} > 0$$

$$a_{12} a_{21} - a_{11} a_{22} > 0$$

$$a_{12} b_2 - b_1 a_{22} \geq 0$$

$$c_1 a_{12} - c_2 a_{11} > 0$$

$$c_1 a_{12}^2 a_{21} - a_{12} c_2 a_{11} a_{21} - c_1 a_{12} a_{11} a_{22} + c_2 a_{11}^2 a_{22} \geq 0$$

$$3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 - a_{12}^3 a_{21}^3 > 0$$

$$-3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 + a_{12}^3 a_{21}^3 > 0$$

$$8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - a_{12}^8 a_{21}^8 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 +$$

$$56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - a_{11}^8 a_{22}^8 \geq 0$$

$$8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - a_{12}^8 a_{21}^8 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 +$$

$$56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - a_{11}^8 a_{22}^8 > 0$$

pot #6:

symbol $a_{12} : (-inf, 0.0]$

symbol $c_1 : (-inf, 0.0)$

symbol $a_{11} : (-inf, 0.0)$

symbol $a_{22} : (-0.0, inf)$

symbol $b_1 : [-0.0, inf)$

symbol $b_2 : -0.0$

symbol $a_{21} : (-0.0, inf)$

$$-c_2 a_{21} + c_1 a_{22} > 0$$

$$a_{12} a_{21} - a_{11} a_{22} > 0$$

$$a_{12} b_2 - b_1 a_{22} \geq 0$$

$$c_1 a_{12} - c_2 a_{11} > 0$$

$$c_1 a_{12}^2 a_{21} - a_{12} c_2 a_{11} a_{21} - c_1 a_{12} a_{11} a_{22} + c_2 a_{11}^2 a_{22} \geq 0$$

$$3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 - a_{12}^3 a_{21}^3 > 0$$

$$-3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 + a_{12}^3 a_{21}^3 > 0$$

$$-8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + a_{12}^8 a_{21}^8 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 -$$

$$56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + a_{11}^8 a_{22}^8 \geq 0$$

$$8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - a_{12}^8 a_{21}^8 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 +$$

$$56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - a_{11}^8 a_{22}^8 > 0$$

pot #7:

symbol $a_{12} : (-inf, 0.0]$

symbol $c_1 : (-inf, 0.0)$

symbol $a_{11} : (-inf, 0.0)$

symbol $a_{22} : (-0.0, inf)$

symbol $b_1 : [-0.0, inf)$

symbol $b_2 : -0.0$

symbol $a_{21} : (-0.0, inf)$

$$-c_2 a_{21} + c_1 a_{22} > 0$$

$$a_{12} a_{21} - a_{11} a_{22} > 0$$

$$a_{12} b_2 - b_1 a_{22} \geq 0$$

$$c_1 a_{12} - c_2 a_{11} > 0$$

$$\begin{aligned}
& c_1 a_{12}^2 a_{21} - a_{12} c_2 a_{11} a_{21} - c_1 a_{12} a_{11} a_{22} + c_2 a_{11}^2 a_{22} \geq 0 \\
& 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 - a_{12}^3 a_{21}^3 > 0 \\
& -3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 + a_{12}^3 a_{21}^3 > 0 \\
& 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - a_{12}^8 a_{21}^8 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 + \\
& 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - a_{11}^8 a_{22}^8 \geq 0 \\
& -8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + a_{12}^8 a_{21}^8 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 - \\
& 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + a_{11}^8 a_{22}^8 > 0
\end{aligned}$$

pot #8:

symbol a_{12} : $(-\inf, 0.0]$

symbol c_1 : $(-\inf, 0.0)$

symbol a_{11} : $(-\inf, 0.0)$

symbol a_{22} : $(-0.0, \inf)$

symbol b_1 : $[-0.0, \inf)$

symbol b_2 : $[-0.0, \inf)$

symbol a_{21} : $(-0.0, \inf)$

$$-c_2 a_{21} + c_1 a_{22} > 0$$

$$a_{12} a_{21} - a_{11} a_{22} > 0$$

$$a_{12} b_2 - b_1 a_{22} \geq 0$$

$$c_1 a_{12} - c_2 a_{11} > 0$$

$$c_1 a_{12}^2 a_{21} - a_{12} c_2 a_{11} a_{21} - c_1 a_{12} a_{11} a_{22} + c_2 a_{11}^2 a_{22} \geq 0$$

$$-3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 + a_{12}^3 a_{21}^3 > 0$$

$$3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 - a_{12}^3 a_{21}^3 > 0$$

$$-8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + a_{12}^8 a_{21}^8 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 -$$

$$56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + a_{11}^8 a_{22}^8 \geq 0$$

$$-8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + a_{12}^8 a_{21}^8 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 -$$

$$56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + a_{11}^8 a_{22}^8 > 0$$

pot #9:

symbol a_{12} : $(-\inf, 0.0]$

symbol c_1 : $(-\inf, 0.0)$

symbol a_{11} : $(-\inf, 0.0)$

symbol a_{22} : $(-0.0, \inf)$

symbol b_1 : $[-0.0, \inf)$

symbol b_2 : $[-0.0, \inf)$

symbol a_{21} : $(-0.0, \inf)$

$$-c_2 a_{21} + c_1 a_{22} > 0$$

$$a_{12} a_{21} - a_{11} a_{22} > 0$$

$$a_{12} b_2 - b_1 a_{22} \geq 0$$

$$c_1 a_{12} - c_2 a_{11} > 0$$

$$c_1 a_{12}^2 a_{21} - a_{12} c_2 a_{11} a_{21} - c_1 a_{12} a_{11} a_{22} + c_2 a_{11}^2 a_{22} \geq 0$$

$$-3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 + a_{12}^3 a_{21}^3 > 0$$

$$3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 - a_{12}^3 a_{21}^3 > 0$$

$$8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - a_{12}^8 a_{21}^8 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 +$$

$$56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - a_{11}^8 a_{22}^8 \geq 0$$

$$8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - a_{12}^8 a_{21}^8 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 +$$

$$56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - a_{11}^8 a_{22}^8 > 0$$

pot #10:

symbol a_{12} : $(-\inf, 0.0]$

symbol c_1 : $(-\inf, 0.0)$

symbol a_{11} : $(-\inf, 0.0)$

symbol a_{22} : $(-0.0, \inf)$

symbol $b_1 : [-0.0, inf)$
symbol $b_2 : -0.0$
symbol $a_{21} : (-0.0, inf)$
 $-c_2 a_{21} + c_1 a_{22} > 0$
 $a_{12} a_{21} - a_{11} a_{22} > 0$
 $a_{12} b_2 - b_1 a_{22} \geq 0$
 $c_1 a_{12} - c_2 a_{11} > 0$
 $c_1 a_{12}^2 a_{21} - a_{12} c_2 a_{11} a_{21} - c_1 a_{12} a_{11} a_{22} + c_2 a_{11}^2 a_{22} \geq 0$
 $-3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 + a_{12}^3 a_{21}^3 > 0$
 $3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 - a_{12}^3 a_{21}^3 > 0$
 $-8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + a_{12}^8 a_{21}^8 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 -$
 $56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + a_{11}^8 a_{22}^8 \geq 0$
 $8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - a_{12}^8 a_{21}^8 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 +$
 $56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - a_{11}^8 a_{22}^8 > 0$
pot #11:
symbol $a_{12} : (-inf, 0.0]$
symbol $c_1 : (-inf, 0.0)$
symbol $a_{11} : (-inf, 0.0)$
symbol $a_{22} : (-0.0, inf)$
symbol $b_1 : [-0.0, inf)$
symbol $b_2 : -0.0$
symbol $a_{21} : (-0.0, inf)$
 $-c_2 a_{21} + c_1 a_{22} > 0$
 $a_{12} a_{21} - a_{11} a_{22} > 0$
 $a_{12} b_2 - b_1 a_{22} \geq 0$
 $c_1 a_{12} - c_2 a_{11} > 0$
 $c_1 a_{12}^2 a_{21} - a_{12} c_2 a_{11} a_{21} - c_1 a_{12} a_{11} a_{22} + c_2 a_{11}^2 a_{22} \geq 0$
 $-3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 + a_{12}^3 a_{21}^3 > 0$
 $3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 - a_{12}^3 a_{21}^3 > 0$
 $8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - a_{12}^8 a_{21}^8 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 +$
 $56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - a_{11}^8 a_{22}^8 \geq 0$
 $-8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + a_{12}^8 a_{21}^8 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 -$
 $56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + a_{11}^8 a_{22}^8 > 0$
pot #12:
symbol $a_{12} : (-inf, 0.0]$
symbol $c_1 : (-inf, 0.0)$
symbol $a_{11} : (-inf, 0.0)$
symbol $a_{22} : (-0.0, inf)$
symbol $b_1 : [-0.0, inf)$
symbol $b_2 : [-0.0, inf)$
symbol $a_{21} : (-0.0, inf)$
 $-c_2 a_{21} + c_1 a_{22} > 0$
 $a_{12} a_{21} - a_{11} a_{22} > 0$
 $a_{12} b_2 - b_1 a_{22} \geq 0$
 $c_1 a_{12} - c_2 a_{11} > 0$
 $c_1 a_{12}^2 a_{21} - a_{12} c_2 a_{11} a_{21} - c_1 a_{12} a_{11} a_{22} + c_2 a_{11}^2 a_{22} \geq 0$
 $-3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 + a_{12}^3 a_{21}^3 > 0$
 $-a_{12}^3 a_{21}^3 + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 > 0$
 $-8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + a_{12}^8 a_{21}^8 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 -$
 $56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + a_{11}^8 a_{22}^8 \geq 0$

$$-8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + a_{12}^8 a_{21}^8 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 - 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + a_{11}^8 a_{22}^8 > 0$$

pot #13:

symbol a_{12} : $(-inf, 0.0]$

symbol c_1 : $(-inf, 0.0)$

symbol a_{11} : $(-inf, 0.0)$

symbol a_{22} : $(-0.0, inf)$

symbol b_1 : $[-0.0, inf)$

symbol b_2 : $[-0.0, inf)$

symbol a_{21} : $(-0.0, inf)$

$$-c_2 a_{21} + c_1 a_{22} > 0$$

$$a_{12} a_{21} - a_{11} a_{22} > 0$$

$$a_{12} b_2 - b_1 a_{22} \geq 0$$

$$c_1 a_{12} - c_2 a_{11} > 0$$

$$c_1 a_{12}^2 a_{21} - a_{12} c_2 a_{11} a_{21} - c_1 a_{12} a_{11} a_{22} + c_2 a_{11}^2 a_{22} \geq 0$$

$$-3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 + a_{12}^3 a_{21}^3 > 0$$

$$-a_{12}^3 a_{21}^3 + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 > 0$$

$$8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - a_{12}^8 a_{21}^8 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 +$$

$$56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - a_{11}^8 a_{22}^8 \geq 0$$

$$8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - a_{12}^8 a_{21}^8 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 +$$

$$56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - a_{11}^8 a_{22}^8 > 0$$

pot #14:

symbol a_{12} : $(-inf, 0.0]$

symbol c_1 : $(-inf, 0.0)$

symbol a_{11} : $(-inf, 0.0)$

symbol a_{22} : $(-0.0, inf)$

symbol b_1 : $[-0.0, inf)$

symbol b_2 : -0.0

symbol a_{21} : $(-0.0, inf)$

$$-c_2 a_{21} + c_1 a_{22} > 0$$

$$a_{12} a_{21} - a_{11} a_{22} > 0$$

$$a_{12} b_2 - b_1 a_{22} \geq 0$$

$$c_1 a_{12} - c_2 a_{11} > 0$$

$$c_1 a_{12}^2 a_{21} - a_{12} c_2 a_{11} a_{21} - c_1 a_{12} a_{11} a_{22} + c_2 a_{11}^2 a_{22} \geq 0$$

$$-3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 + a_{12}^3 a_{21}^3 > 0$$

$$-a_{12}^3 a_{21}^3 + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 > 0$$

$$-8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + a_{12}^8 a_{21}^8 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 -$$

$$56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + a_{11}^8 a_{22}^8 \geq 0$$

$$8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - a_{12}^8 a_{21}^8 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 +$$

$$56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - a_{11}^8 a_{22}^8 > 0$$

pot #15:

symbol a_{12} : $(-inf, 0.0]$

symbol c_1 : $(-inf, 0.0)$

symbol a_{11} : $(-inf, 0.0)$

symbol a_{22} : $(-0.0, inf)$

symbol b_1 : $[-0.0, inf)$

symbol b_2 : -0.0

symbol a_{21} : $(-0.0, inf)$

$$-c_2 a_{21} + c_1 a_{22} > 0$$

$$a_{12} a_{21} - a_{11} a_{22} > 0$$

$$a_{12}b_2 - b_1a_{22} \geq 0$$

$$c_1a_{12} - c_2a_{11} > 0$$

$$c_1a_{12}^2a_{21} - a_{12}c_2a_{11}a_{21} - c_1a_{12}a_{11}a_{22} + c_2a_{11}^2a_{22} \geq 0$$

$$-3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 + 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} - a_{11}^3a_{22}^3 + a_{12}^3a_{21}^3 > 0$$

$$-a_{12}^3a_{21}^3 + 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 - 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} + a_{11}^3a_{22}^3 > 0$$

$$8.00 \cdot a_{12}^7a_{11}a_{22}a_{21}^7 - 28.00 \cdot a_{12}^6a_{11}^2a_{22}^2a_{21}^6 + 56.00 \cdot a_{12}^5a_{11}^3a_{22}^3a_{21}^5 - a_{12}^8a_{21}^8 - 70.00 \cdot a_{12}^4a_{11}^4a_{22}^4a_{21}^4 +$$

$$56.00 \cdot a_{12}^3a_{11}^5a_{22}^5a_{21}^3 - 28.00 \cdot a_{12}^2a_{11}^6a_{22}^6a_{21}^2 + 8.00 \cdot a_{12}a_{11}^7a_{22}^7a_{21} - a_{11}^8a_{22}^8 \geq 0$$

$$-8.00 \cdot a_{12}^7a_{11}a_{22}a_{21}^7 + 28.00 \cdot a_{12}^6a_{11}^2a_{22}^2a_{21}^6 - 56.00 \cdot a_{12}^5a_{11}^3a_{22}^3a_{21}^5 + a_{12}^8a_{21}^8 + 70.00 \cdot a_{12}^4a_{11}^4a_{22}^4a_{21}^4 -$$

$$56.00 \cdot a_{12}^3a_{11}^5a_{22}^5a_{21}^3 + 28.00 \cdot a_{12}^2a_{11}^6a_{22}^6a_{21}^2 - 8.00 \cdot a_{12}a_{11}^7a_{22}^7a_{21} + a_{11}^8a_{22}^8 > 0$$

pot #16:

symbol a_{12} : $(-0.0, inf)$

symbol c_1 : $(-inf, 0.0)$

symbol a_{11} : $(-inf, 0.0)$

symbol a_{22} : $(-inf, 0.0]$

symbol b_1 : $[-0.0, inf)$

symbol b_2 : $[-0.0, inf)$

symbol a_{21} : $(-0.0, inf)$

$$-c_2a_{21} + c_1a_{22} > 0$$

$$a_{12}a_{21} - a_{11}a_{22} > 0$$

$$c_1a_{12} - c_2a_{11} > 0$$

$$3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 - 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} + a_{11}^3a_{22}^3 - a_{12}^3a_{21}^3 \geq 0$$

$$a_{12}^2a_{21}^2 - 2.00 \cdot a_{12}a_{11}a_{22}a_{21} + a_{11}^2a_{22}^2 > 0$$

$$c_1a_{12}^2a_{21} - a_{12}c_2a_{11}a_{21} - c_1a_{12}a_{11}a_{22} + c_2a_{11}^2a_{22} \geq 0$$

$$3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 - 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} + a_{11}^3a_{22}^3 - a_{12}^3a_{21}^3 > 0$$

$$a_{12}^3a_{21}^3 - 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 + 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} - a_{11}^3a_{22}^3 > 0$$

$$-8.00 \cdot a_{12}^7a_{11}a_{22}a_{21}^7 + 28.00 \cdot a_{12}^6a_{11}^2a_{22}^2a_{21}^6 - 56.00 \cdot a_{12}^5a_{11}^3a_{22}^3a_{21}^5 + a_{12}^8a_{21}^8 + 70.00 \cdot a_{12}^4a_{11}^4a_{22}^4a_{21}^4 -$$

$$56.00 \cdot a_{12}^3a_{11}^5a_{22}^5a_{21}^3 + 28.00 \cdot a_{12}^2a_{11}^6a_{22}^6a_{21}^2 - 8.00 \cdot a_{12}a_{11}^7a_{22}^7a_{21} + a_{11}^8a_{22}^8 \geq 0$$

$$-8.00 \cdot a_{12}^7a_{11}a_{22}a_{21}^7 + 28.00 \cdot a_{12}^6a_{11}^2a_{22}^2a_{21}^6 - 56.00 \cdot a_{12}^5a_{11}^3a_{22}^3a_{21}^5 + a_{12}^8a_{21}^8 + 70.00 \cdot a_{12}^4a_{11}^4a_{22}^4a_{21}^4 -$$

$$56.00 \cdot a_{12}^3a_{11}^5a_{22}^5a_{21}^3 + 28.00 \cdot a_{12}^2a_{11}^6a_{22}^6a_{21}^2 - 8.00 \cdot a_{12}a_{11}^7a_{22}^7a_{21} + a_{11}^8a_{22}^8 > 0$$

pot #17:

symbol a_{12} : $(-0.0, inf)$

symbol c_1 : $(-inf, 0.0)$

symbol a_{11} : $(-inf, 0.0)$

symbol a_{22} : $(-inf, 0.0]$

symbol b_1 : $[-0.0, inf)$

symbol b_2 : $[-0.0, inf)$

symbol a_{21} : $(-0.0, inf)$

$$-c_2a_{21} + c_1a_{22} > 0$$

$$a_{12}a_{21} - a_{11}a_{22} > 0$$

$$c_1a_{12} - c_2a_{11} > 0$$

$$3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 - 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} + a_{11}^3a_{22}^3 - a_{12}^3a_{21}^3 \geq 0$$

$$a_{12}^2a_{21}^2 - 2.00 \cdot a_{12}a_{11}a_{22}a_{21} + a_{11}^2a_{22}^2 > 0$$

$$c_1a_{12}^2a_{21} - a_{12}c_2a_{11}a_{21} - c_1a_{12}a_{11}a_{22} + c_2a_{11}^2a_{22} \geq 0$$

$$3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 - 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} + a_{11}^3a_{22}^3 - a_{12}^3a_{21}^3 > 0$$

$$a_{12}^3a_{21}^3 - 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 + 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} - a_{11}^3a_{22}^3 > 0$$

$$8.00 \cdot a_{12}^7a_{11}a_{22}a_{21}^7 - 28.00 \cdot a_{12}^6a_{11}^2a_{22}^2a_{21}^6 + 56.00 \cdot a_{12}^5a_{11}^3a_{22}^3a_{21}^5 - a_{12}^8a_{21}^8 - 70.00 \cdot a_{12}^4a_{11}^4a_{22}^4a_{21}^4 +$$

$$56.00 \cdot a_{12}^3a_{11}^5a_{22}^5a_{21}^3 - 28.00 \cdot a_{12}^2a_{11}^6a_{22}^6a_{21}^2 + 8.00 \cdot a_{12}a_{11}^7a_{22}^7a_{21} - a_{11}^8a_{22}^8 \geq 0$$

$$8.00 \cdot a_{12}^7a_{11}a_{22}a_{21}^7 - 28.00 \cdot a_{12}^6a_{11}^2a_{22}^2a_{21}^6 + 56.00 \cdot a_{12}^5a_{11}^3a_{22}^3a_{21}^5 - a_{12}^8a_{21}^8 - 70.00 \cdot a_{12}^4a_{11}^4a_{22}^4a_{21}^4 +$$

$$56.00 \cdot a_{12}^3a_{11}^5a_{22}^5a_{21}^3 - 28.00 \cdot a_{12}^2a_{11}^6a_{22}^6a_{21}^2 + 8.00 \cdot a_{12}a_{11}^7a_{22}^7a_{21} - a_{11}^8a_{22}^8 > 0$$

pot #18:

symbol $a_{12} : (-0.0, inf)$
symbol $c_1 : (-inf, 0.0)$
symbol $a_{11} : (-inf, 0.0)$
symbol $a_{22} : (-inf, 0.0]$
symbol $b_1 : [-0.0, inf)$
symbol $b_2 : -0.0$
symbol $a_{21} : (-0.0, inf)$
 $-c_2a_{21} + c_1a_{22} > 0$
 $a_{12}a_{21} - a_{11}a_{22} > 0$
 $c_1a_{12} - c_2a_{11} > 0$
 $3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 - 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} + a_{11}^3a_{22}^3 - a_{12}^3a_{21}^3 \geq 0$
 $a_{12}^2a_{21}^2 - 2.00 \cdot a_{12}a_{11}a_{22}a_{21} + a_{11}^2a_{22}^2 > 0$
 $c_1a_{12}^2a_{21} - a_{12}c_2a_{11}a_{21} - c_1a_{12}a_{11}a_{22} + c_2a_{11}^2a_{22} \geq 0$
 $3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 - 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} + a_{11}^3a_{22}^3 - a_{12}^3a_{21}^3 > 0$
 $a_{12}^3a_{21}^3 - 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 + 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} - a_{11}^3a_{22}^3 > 0$
 $-8.00 \cdot a_{12}^7a_{11}a_{22}a_{21}^7 + 28.00 \cdot a_{12}^6a_{11}^2a_{22}^2a_{21}^6 - 56.00 \cdot a_{12}^5a_{11}^3a_{22}^3a_{21}^5 + a_{12}^8a_{21}^8 + 70.00 \cdot a_{12}^4a_{11}^4a_{22}^4a_{21}^4 -$
 $56.00 \cdot a_{12}^3a_{11}^5a_{22}^5a_{21}^3 + 28.00 \cdot a_{12}^2a_{11}^6a_{22}^6a_{21}^2 - 8.00 \cdot a_{12}a_{11}^7a_{22}^7a_{21} + a_{11}^8a_{22}^8 \geq 0$
 $8.00 \cdot a_{12}^7a_{11}a_{22}a_{21}^7 - 28.00 \cdot a_{12}^6a_{11}^2a_{22}^2a_{21}^6 + 56.00 \cdot a_{12}^5a_{11}^3a_{22}^3a_{21}^5 - a_{12}^8a_{21}^8 - 70.00 \cdot a_{12}^4a_{11}^4a_{22}^4a_{21}^4 +$
 $56.00 \cdot a_{12}^3a_{11}^5a_{22}^5a_{21}^3 - 28.00 \cdot a_{12}^2a_{11}^6a_{22}^6a_{21}^2 + 8.00 \cdot a_{12}a_{11}^7a_{22}^7a_{21} - a_{11}^8a_{22}^8 > 0$
pot #19:

symbol $a_{12} : (-0.0, inf)$
symbol $c_1 : (-inf, 0.0)$
symbol $a_{11} : (-inf, 0.0)$
symbol $a_{22} : (-inf, 0.0]$
symbol $b_1 : [-0.0, inf)$
symbol $b_2 : -0.0$
symbol $a_{21} : (-0.0, inf)$
 $-c_2a_{21} + c_1a_{22} > 0$
 $a_{12}a_{21} - a_{11}a_{22} > 0$
 $c_1a_{12} - c_2a_{11} > 0$
 $3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 - 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} + a_{11}^3a_{22}^3 - a_{12}^3a_{21}^3 \geq 0$
 $a_{12}^2a_{21}^2 - 2.00 \cdot a_{12}a_{11}a_{22}a_{21} + a_{11}^2a_{22}^2 > 0$
 $c_1a_{12}^2a_{21} - a_{12}c_2a_{11}a_{21} - c_1a_{12}a_{11}a_{22} + c_2a_{11}^2a_{22} \geq 0$
 $3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 - 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} + a_{11}^3a_{22}^3 - a_{12}^3a_{21}^3 > 0$
 $a_{12}^3a_{21}^3 - 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 + 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} - a_{11}^3a_{22}^3 > 0$
 $8.00 \cdot a_{12}^7a_{11}a_{22}a_{21}^7 - 28.00 \cdot a_{12}^6a_{11}^2a_{22}^2a_{21}^6 + 56.00 \cdot a_{12}^5a_{11}^3a_{22}^3a_{21}^5 - a_{12}^8a_{21}^8 - 70.00 \cdot a_{12}^4a_{11}^4a_{22}^4a_{21}^4 +$
 $56.00 \cdot a_{12}^3a_{11}^5a_{22}^5a_{21}^3 - 28.00 \cdot a_{12}^2a_{11}^6a_{22}^6a_{21}^2 + 8.00 \cdot a_{12}a_{11}^7a_{22}^7a_{21} - a_{11}^8a_{22}^8 \geq 0$
 $-8.00 \cdot a_{12}^7a_{11}a_{22}a_{21}^7 + 28.00 \cdot a_{12}^6a_{11}^2a_{22}^2a_{21}^6 - 56.00 \cdot a_{12}^5a_{11}^3a_{22}^3a_{21}^5 + a_{12}^8a_{21}^8 + 70.00 \cdot a_{12}^4a_{11}^4a_{22}^4a_{21}^4 -$
 $56.00 \cdot a_{12}^3a_{11}^5a_{22}^5a_{21}^3 + 28.00 \cdot a_{12}^2a_{11}^6a_{22}^6a_{21}^2 - 8.00 \cdot a_{12}a_{11}^7a_{22}^7a_{21} + a_{11}^8a_{22}^8 > 0$
pot #20:

symbol $a_{12} : (-0.0, inf)$
symbol $c_1 : (-inf, 0.0)$
symbol $a_{11} : (-inf, 0.0)$
symbol $a_{22} : (-inf, 0.0]$
symbol $b_1 : [-0.0, inf)$
symbol $b_2 : [-0.0, inf)$
symbol $a_{21} : (-0.0, inf)$
 $-c_2a_{21} + c_1a_{22} > 0$
 $a_{12}a_{21} - a_{11}a_{22} > 0$
 $c_1a_{12} - c_2a_{11} > 0$

symbol $a_{12} : (-0.0, inf)$
symbol $c_1 : (-inf, 0.0)$
symbol $a_{11} : (-inf, 0.0)$
symbol $a_{22} : (-inf, 0.0]$
symbol $b_1 : [-0.0, inf)$
symbol $b_2 : -0.0$
symbol $a_{21} : (-0.0, inf)$
 $-c_2a_{21} + c_1a_{22} > 0$
 $a_{12}a_{21} - a_{11}a_{22} > 0$
 $c_1a_{12} - c_2a_{11} > 0$
 $3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 - 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} + a_{11}^3a_{22}^3 - a_{12}^3a_{21}^3 \geq 0$
 $a_{12}^2a_{21}^2 - 2.00 \cdot a_{12}a_{11}a_{22}a_{21} + a_{11}^2a_{22}^2 > 0$
 $c_1a_{12}^2a_{21} - a_{12}c_2a_{11}a_{21} - c_1a_{12}a_{11}a_{22} + c_2a_{11}^2a_{22} \geq 0$
 $3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 - 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} + a_{11}^3a_{22}^3 - a_{12}^3a_{21}^3 > 0$
 $-3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 + 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} - a_{11}^3a_{22}^3 + a_{12}^3a_{21}^3 > 0$
 $8.00 \cdot a_{12}^7a_{11}a_{22}a_{21}^7 - 28.00 \cdot a_{12}^6a_{11}^2a_{22}^2a_{21}^6 + 56.00 \cdot a_{12}^5a_{11}^3a_{22}^3a_{21}^5 - a_{12}^8a_{21}^8 - 70.00 \cdot a_{12}^4a_{11}^4a_{22}^4a_{21}^4 +$
 $56.00 \cdot a_{12}^3a_{11}^5a_{22}^5a_{21}^3 - 28.00 \cdot a_{12}^2a_{11}^6a_{22}^6a_{21}^2 + 8.00 \cdot a_{12}a_{11}^7a_{22}^7a_{21} - a_{11}^8a_{22}^8 \geq 0$
 $-8.00 \cdot a_{12}^7a_{11}a_{22}a_{21}^7 + 28.00 \cdot a_{12}^6a_{11}^2a_{22}^2a_{21}^6 - 56.00 \cdot a_{12}^5a_{11}^3a_{22}^3a_{21}^5 + a_{12}^8a_{21}^8 + 70.00 \cdot a_{12}^4a_{11}^4a_{22}^4a_{21}^4 -$
 $56.00 \cdot a_{12}^3a_{11}^5a_{22}^5a_{21}^3 + 28.00 \cdot a_{12}^2a_{11}^6a_{22}^6a_{21}^2 - 8.00 \cdot a_{12}a_{11}^7a_{22}^7a_{21} + a_{11}^8a_{22}^8 > 0$
pot #24:

symbol $a_{12} : (-0.0, inf)$
symbol $c_1 : (-inf, 0.0)$
symbol $a_{11} : (-inf, 0.0)$
symbol $a_{22} : (-inf, 0.0]$
symbol $b_1 : [-0.0, inf)$
symbol $b_2 : [-0.0, inf)$
symbol $a_{21} : (-0.0, inf)$
 $-c_2a_{21} + c_1a_{22} > 0$
 $a_{12}a_{21} - a_{11}a_{22} > 0$
 $c_1a_{12} - c_2a_{11} > 0$
 $3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 - 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} + a_{11}^3a_{22}^3 - a_{12}^3a_{21}^3 \geq 0$
 $a_{12}^2a_{21}^2 - 2.00 \cdot a_{12}a_{11}a_{22}a_{21} + a_{11}^2a_{22}^2 > 0$
 $c_1a_{12}^2a_{21} - a_{12}c_2a_{11}a_{21} - c_1a_{12}a_{11}a_{22} + c_2a_{11}^2a_{22} \geq 0$
 $-3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 + 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} - a_{11}^3a_{22}^3 + a_{12}^3a_{21}^3 > 0$
 $3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 - 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} + a_{11}^3a_{22}^3 - a_{12}^3a_{21}^3 > 0$
 $-8.00 \cdot a_{12}^7a_{11}a_{22}a_{21}^7 + 28.00 \cdot a_{12}^6a_{11}^2a_{22}^2a_{21}^6 - 56.00 \cdot a_{12}^5a_{11}^3a_{22}^3a_{21}^5 + a_{12}^8a_{21}^8 + 70.00 \cdot a_{12}^4a_{11}^4a_{22}^4a_{21}^4 -$
 $56.00 \cdot a_{12}^3a_{11}^5a_{22}^5a_{21}^3 + 28.00 \cdot a_{12}^2a_{11}^6a_{22}^6a_{21}^2 - 8.00 \cdot a_{12}a_{11}^7a_{22}^7a_{21} + a_{11}^8a_{22}^8 \geq 0$
 $-8.00 \cdot a_{12}^7a_{11}a_{22}a_{21}^7 + 28.00 \cdot a_{12}^6a_{11}^2a_{22}^2a_{21}^6 - 56.00 \cdot a_{12}^5a_{11}^3a_{22}^3a_{21}^5 + a_{12}^8a_{21}^8 + 70.00 \cdot a_{12}^4a_{11}^4a_{22}^4a_{21}^4 -$
 $56.00 \cdot a_{12}^3a_{11}^5a_{22}^5a_{21}^3 + 28.00 \cdot a_{12}^2a_{11}^6a_{22}^6a_{21}^2 - 8.00 \cdot a_{12}a_{11}^7a_{22}^7a_{21} + a_{11}^8a_{22}^8 > 0$
pot #25:

symbol $a_{12} : (-0.0, inf)$
symbol $c_1 : (-inf, 0.0)$
symbol $a_{11} : (-inf, 0.0)$
symbol $a_{22} : (-inf, 0.0]$
symbol $b_1 : [-0.0, inf)$
symbol $b_2 : [-0.0, inf)$
symbol $a_{21} : (-0.0, inf)$
 $-c_2a_{21} + c_1a_{22} > 0$
 $a_{12}a_{21} - a_{11}a_{22} > 0$
 $c_1a_{12} - c_2a_{11} > 0$

symbol $a_{12} : (-0.0, inf)$

symbol $c_1 : (-inf, 0.0)$

symbol $a_{11} : (-inf, 0.0)$

symbol $a_{22} : (-inf, 0.0]$

symbol $b_1 : [-0.0, inf)$

symbol $b_2 : [-0.0, inf)$

symbol $a_{21} : (-0.0, inf)$

$$-c_2 a_{21} + c_1 a_{22} > 0$$

$$a_{12} a_{21} - a_{11} a_{22} > 0$$

$$c_1 a_{12} - c_2 a_{11} > 0$$

$$3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 - a_{12}^3 a_{21}^3 \geq 0$$

$$a_{12}^2 a_{21}^2 - 2.00 \cdot a_{12} a_{11} a_{22} a_{21} + a_{11}^2 a_{22}^2 > 0$$

$$c_1 a_{12}^2 a_{21} - a_{12} c_2 a_{11} a_{21} - c_1 a_{12} a_{11} a_{22} + c_2 a_{11}^2 a_{22} \geq 0$$

$$-3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 + a_{12}^3 a_{21}^3 > 0$$

$$-a_{12}^3 a_{21}^3 + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 > 0$$

$$-8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + a_{12}^8 a_{21}^8 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 -$$

$$56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + a_{11}^8 a_{22}^8 \geq 0$$

$$-8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + a_{12}^8 a_{21}^8 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 -$$

$$56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + a_{11}^8 a_{22}^8 > 0$$

pot #29:

symbol $a_{12} : (-0.0, inf)$

symbol $c_1 : (-inf, 0.0)$

symbol $a_{11} : (-inf, 0.0)$

symbol $a_{22} : (-inf, 0.0]$

symbol $b_1 : [-0.0, inf)$

symbol $b_2 : [-0.0, inf)$

symbol $a_{21} : (-0.0, inf)$

$$-c_2 a_{21} + c_1 a_{22} > 0$$

$$a_{12} a_{21} - a_{11} a_{22} > 0$$

$$c_1 a_{12} - c_2 a_{11} > 0$$

$$3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 - a_{12}^3 a_{21}^3 \geq 0$$

$$a_{12}^2 a_{21}^2 - 2.00 \cdot a_{12} a_{11} a_{22} a_{21} + a_{11}^2 a_{22}^2 > 0$$

$$c_1 a_{12}^2 a_{21} - a_{12} c_2 a_{11} a_{21} - c_1 a_{12} a_{11} a_{22} + c_2 a_{11}^2 a_{22} \geq 0$$

$$-3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 + a_{12}^3 a_{21}^3 > 0$$

$$-a_{12}^3 a_{21}^3 + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 > 0$$

$$8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - a_{12}^8 a_{21}^8 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 +$$

$$56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - a_{11}^8 a_{22}^8 \geq 0$$

$$8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - a_{12}^8 a_{21}^8 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 +$$

$$56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - a_{11}^8 a_{22}^8 > 0$$

pot #30:

symbol $a_{12} : (-0.0, inf)$

symbol $c_1 : (-inf, 0.0)$

symbol $a_{11} : (-inf, 0.0)$

symbol $a_{22} : (-inf, 0.0]$

symbol $b_1 : [-0.0, inf)$

symbol $b_2 : -0.0$

symbol $a_{21} : (-0.0, inf)$

$$-c_2 a_{21} + c_1 a_{22} > 0$$

$$a_{12} a_{21} - a_{11} a_{22} > 0$$

$$c_1 a_{12} - c_2 a_{11} > 0$$

$$\begin{aligned}
& 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 - a_{12}^3 a_{21}^3 \geq 0 \\
& a_{12}^2 a_{21}^2 - 2.00 \cdot a_{12} a_{11} a_{22} a_{21} + a_{11}^2 a_{22}^2 > 0 \\
& c_1 a_{12}^2 a_{21} - a_{12} c_2 a_{11} a_{21} - c_1 a_{12} a_{11} a_{22} + c_2 a_{11}^2 a_{22} \geq 0 \\
& -3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 + a_{12}^3 a_{21}^3 > 0 \\
& -a_{12}^3 a_{21}^3 + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 > 0 \\
& -8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + a_{12}^8 a_{21}^8 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 - \\
& 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + a_{11}^8 a_{22}^8 \geq 0 \\
& 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - a_{12}^8 a_{21}^8 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 + \\
& 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - a_{11}^8 a_{22}^8 > 0
\end{aligned}$$

pot #31:

symbol a_{12} : $(-0.0, inf)$

symbol c_1 : $(-inf, 0.0)$

symbol a_{11} : $(-inf, 0.0)$

symbol a_{22} : $(-inf, 0.0]$

symbol b_1 : $[-0.0, inf)$

symbol b_2 : -0.0

symbol a_{21} : $(-0.0, inf)$

$$-c_2 a_{21} + c_1 a_{22} > 0$$

$$a_{12} a_{21} - a_{11} a_{22} > 0$$

$$c_1 a_{12} - c_2 a_{11} > 0$$

$$3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 - a_{12}^3 a_{21}^3 \geq 0$$

$$a_{12}^2 a_{21}^2 - 2.00 \cdot a_{12} a_{11} a_{22} a_{21} + a_{11}^2 a_{22}^2 > 0$$

$$c_1 a_{12}^2 a_{21} - a_{12} c_2 a_{11} a_{21} - c_1 a_{12} a_{11} a_{22} + c_2 a_{11}^2 a_{22} \geq 0$$

$$-3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 + a_{12}^3 a_{21}^3 > 0$$

$$-a_{12}^3 a_{21}^3 + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 > 0$$

$$8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - a_{12}^8 a_{21}^8 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 +$$

$$56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - a_{11}^8 a_{22}^8 \geq 0$$

$$-8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + a_{12}^8 a_{21}^8 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 -$$

$$56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + a_{11}^8 a_{22}^8 > 0$$

pot #32:

symbol a_{12} : $(-0.0, inf)$

symbol c_1 : $(-inf, 0.0)$

symbol a_{11} : $(-inf, 0.0)$

symbol a_{22} : $(-inf, 0.0]$

symbol b_1 : $[-0.0, inf)$

symbol b_2 : $[-0.0, inf)$

symbol a_{21} : $(-0.0, inf)$

$$-c_2 a_{21} + c_1 a_{22} > 0$$

$$a_{12} a_{21} - a_{11} a_{22} > 0$$

$$c_1 a_{12} - c_2 a_{11} > 0$$

$$-3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 + a_{12}^3 a_{21}^3 \geq 0$$

$$-a_{12}^2 a_{21}^2 + 2.00 \cdot a_{12} a_{11} a_{22} a_{21} - a_{11}^2 a_{22}^2 > 0$$

$$c_1 a_{12}^2 a_{21} - a_{12} c_2 a_{11} a_{21} - c_1 a_{12} a_{11} a_{22} + c_2 a_{11}^2 a_{22} \geq 0$$

$$3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 - a_{12}^3 a_{21}^3 > 0$$

$$a_{12}^3 a_{21}^3 - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 > 0$$

$$-8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + a_{12}^8 a_{21}^8 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 -$$

$$56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + a_{11}^8 a_{22}^8 \geq 0$$

$$-8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + a_{12}^8 a_{21}^8 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 -$$

$$56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + a_{11}^8 a_{22}^8 > 0$$

pot #33:

symbol a_{12} : $(-0.0, inf)$
 symbol c_1 : $(-inf, 0.0)$
 symbol a_{11} : $(-inf, 0.0)$
 symbol a_{22} : $(-inf, 0.0]$
 symbol b_1 : $[-0.0, inf)$
 symbol b_2 : $[-0.0, inf)$
 symbol a_{21} : $(-0.0, inf)$

$$-c_2 a_{21} + c_1 a_{22} > 0$$

$$a_{12} a_{21} - a_{11} a_{22} > 0$$

$$c_1 a_{12} - c_2 a_{11} > 0$$

$$-3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 + a_{12}^3 a_{21}^3 \geq 0$$

$$-a_{12}^2 a_{21}^2 + 2.00 \cdot a_{12} a_{11} a_{22} a_{21} - a_{11}^2 a_{22}^2 > 0$$

$$c_1 a_{12}^2 a_{21} - a_{12} c_2 a_{11} a_{21} - c_1 a_{12} a_{11} a_{22} + c_2 a_{11}^2 a_{22} \geq 0$$

$$3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 - a_{12}^3 a_{21}^3 > 0$$

$$a_{12}^3 a_{21}^3 - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 > 0$$

$$8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - a_{12}^8 a_{21}^8 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 +$$

$$56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - a_{11}^8 a_{22}^8 \geq 0$$

$$8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - a_{12}^8 a_{21}^8 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 +$$

$$56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - a_{11}^8 a_{22}^8 > 0$$

pot #34:

symbol a_{12} : $(-0.0, inf)$

symbol c_1 : $(-inf, 0.0)$

symbol a_{11} : $(-inf, 0.0)$

symbol a_{22} : $(-inf, 0.0]$

symbol b_1 : $[-0.0, inf)$

symbol b_2 : -0.0

symbol a_{21} : $(-0.0, inf)$

$$-c_2 a_{21} + c_1 a_{22} > 0$$

$$a_{12} a_{21} - a_{11} a_{22} > 0$$

$$c_1 a_{12} - c_2 a_{11} > 0$$

$$-3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 + a_{12}^3 a_{21}^3 \geq 0$$

$$-a_{12}^2 a_{21}^2 + 2.00 \cdot a_{12} a_{11} a_{22} a_{21} - a_{11}^2 a_{22}^2 > 0$$

$$c_1 a_{12}^2 a_{21} - a_{12} c_2 a_{11} a_{21} - c_1 a_{12} a_{11} a_{22} + c_2 a_{11}^2 a_{22} \geq 0$$

$$3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 - a_{12}^3 a_{21}^3 > 0$$

$$a_{12}^3 a_{21}^3 - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 > 0$$

$$-8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + a_{12}^8 a_{21}^8 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 -$$

$$56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + a_{11}^8 a_{22}^8 \geq 0$$

$$8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - a_{12}^8 a_{21}^8 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 +$$

$$56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - a_{11}^8 a_{22}^8 > 0$$

pot #35:

symbol a_{12} : $(-0.0, inf)$

symbol c_1 : $(-inf, 0.0)$

symbol a_{11} : $(-inf, 0.0)$

symbol a_{22} : $(-inf, 0.0]$

symbol b_1 : $[-0.0, inf)$

symbol b_2 : -0.0

symbol a_{21} : $(-0.0, inf)$

$$-c_2 a_{21} + c_1 a_{22} > 0$$

$$a_{12} a_{21} - a_{11} a_{22} > 0$$

$$c_1 a_{12} - c_2 a_{11} > 0$$

$$\begin{aligned}
& -3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 + a_{12}^3 a_{21}^3 \geq 0 \\
& -a_{12}^2 a_{21}^2 + 2.00 \cdot a_{12} a_{11} a_{22} a_{21} - a_{11}^2 a_{22}^2 > 0 \\
& c_1 a_{12}^2 a_{21} - a_{12} c_2 a_{11} a_{21} - c_1 a_{12} a_{11} a_{22} + c_2 a_{11}^2 a_{22} \geq 0 \\
& 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 - a_{12}^3 a_{21}^3 > 0 \\
& a_{12}^3 a_{21}^3 - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 > 0 \\
& 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - a_{12}^8 a_{21}^8 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 + \\
& 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - a_{11}^8 a_{22}^8 \geq 0 \\
& -8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + a_{12}^8 a_{21}^8 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 - \\
& 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + a_{11}^8 a_{22}^8 > 0
\end{aligned}$$

pot #36:

symbol a_{12} : $(-0.0, inf)$

symbol c_1 : $(-inf, 0.0)$

symbol a_{11} : $(-inf, 0.0)$

symbol a_{22} : $(-inf, 0.0]$

symbol b_1 : $[-0.0, inf)$

symbol b_2 : $[-0.0, inf)$

symbol a_{21} : $(-0.0, inf)$

$$-c_2 a_{21} + c_1 a_{22} > 0$$

$$a_{12} a_{21} - a_{11} a_{22} > 0$$

$$c_1 a_{12} - c_2 a_{11} > 0$$

$$-3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 + a_{12}^3 a_{21}^3 \geq 0$$

$$-a_{12}^2 a_{21}^2 + 2.00 \cdot a_{12} a_{11} a_{22} a_{21} - a_{11}^2 a_{22}^2 > 0$$

$$c_1 a_{12}^2 a_{21} - a_{12} c_2 a_{11} a_{21} - c_1 a_{12} a_{11} a_{22} + c_2 a_{11}^2 a_{22} \geq 0$$

$$3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 - a_{12}^3 a_{21}^3 > 0$$

$$-3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 + a_{12}^3 a_{21}^3 > 0$$

$$-8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + a_{12}^8 a_{21}^8 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 -$$

$$56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + a_{11}^8 a_{22}^8 \geq 0$$

$$-8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + a_{12}^8 a_{21}^8 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 -$$

$$56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + a_{11}^8 a_{22}^8 > 0$$

pot #37:

symbol a_{12} : $(-0.0, inf)$

symbol c_1 : $(-inf, 0.0)$

symbol a_{11} : $(-inf, 0.0)$

symbol a_{22} : $(-inf, 0.0]$

symbol b_1 : $[-0.0, inf)$

symbol b_2 : $[-0.0, inf)$

symbol a_{21} : $(-0.0, inf)$

$$-c_2 a_{21} + c_1 a_{22} > 0$$

$$a_{12} a_{21} - a_{11} a_{22} > 0$$

$$c_1 a_{12} - c_2 a_{11} > 0$$

$$-3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 + a_{12}^3 a_{21}^3 \geq 0$$

$$-a_{12}^2 a_{21}^2 + 2.00 \cdot a_{12} a_{11} a_{22} a_{21} - a_{11}^2 a_{22}^2 > 0$$

$$c_1 a_{12}^2 a_{21} - a_{12} c_2 a_{11} a_{21} - c_1 a_{12} a_{11} a_{22} + c_2 a_{11}^2 a_{22} \geq 0$$

$$3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 - a_{12}^3 a_{21}^3 > 0$$

$$-3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 + a_{12}^3 a_{21}^3 > 0$$

$$8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - a_{12}^8 a_{21}^8 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 +$$

$$56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - a_{11}^8 a_{22}^8 \geq 0$$

$$8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - a_{12}^8 a_{21}^8 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 +$$

$$56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - a_{11}^8 a_{22}^8 > 0$$

pot #38:

symbol $a_{12} : (-0.0, inf)$
symbol $c_1 : (-inf, 0.0)$
symbol $a_{11} : (-inf, 0.0)$
symbol $a_{22} : (-inf, 0.0]$
symbol $b_1 : [-0.0, inf)$
symbol $b_2 : -0.0$
symbol $a_{21} : (-0.0, inf)$
 $-c_2a_{21} + c_1a_{22} > 0$
 $a_{12}a_{21} - a_{11}a_{22} > 0$
 $c_1a_{12} - c_2a_{11} > 0$
 $-3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 + 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} - a_{11}^3a_{22}^3 + a_{12}^3a_{21}^3 \geq 0$
 $-a_{12}^2a_{21}^2 + 2.00 \cdot a_{12}a_{11}a_{22}a_{21} - a_{11}^2a_{22}^2 > 0$
 $c_1a_{12}^2a_{21} - a_{12}c_2a_{11}a_{21} - c_1a_{12}a_{11}a_{22} + c_2a_{11}^2a_{22} \geq 0$
 $3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 - 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} + a_{11}^3a_{22}^3 - a_{12}^3a_{21}^3 > 0$
 $-3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 + 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} - a_{11}^3a_{22}^3 + a_{12}^3a_{21}^3 > 0$
 $-8.00 \cdot a_{12}^7a_{11}a_{22}a_{21}^7 + 28.00 \cdot a_{12}^6a_{11}^2a_{22}^2a_{21}^6 - 56.00 \cdot a_{12}^5a_{11}^3a_{22}^3a_{21}^5 + a_{12}^8a_{21}^8 + 70.00 \cdot a_{12}^4a_{11}^4a_{22}^4a_{21}^4 -$
 $56.00 \cdot a_{12}^3a_{11}^5a_{22}^5a_{21}^3 + 28.00 \cdot a_{12}^2a_{11}^6a_{22}^6a_{21}^2 - 8.00 \cdot a_{12}a_{11}^7a_{22}^7a_{21} + a_{11}^8a_{22}^8 \geq 0$
 $8.00 \cdot a_{12}^7a_{11}a_{22}a_{21}^7 - 28.00 \cdot a_{12}^6a_{11}^2a_{22}^2a_{21}^6 + 56.00 \cdot a_{12}^5a_{11}^3a_{22}^3a_{21}^5 - a_{12}^8a_{21}^8 - 70.00 \cdot a_{12}^4a_{11}^4a_{22}^4a_{21}^4 +$
 $56.00 \cdot a_{12}^3a_{11}^5a_{22}^5a_{21}^3 - 28.00 \cdot a_{12}^2a_{11}^6a_{22}^6a_{21}^2 + 8.00 \cdot a_{12}a_{11}^7a_{22}^7a_{21} - a_{11}^8a_{22}^8 > 0$
pot #39:
symbol $a_{12} : (-0.0, inf)$
symbol $c_1 : (-inf, 0.0)$
symbol $a_{11} : (-inf, 0.0)$
symbol $a_{22} : (-inf, 0.0]$
symbol $b_1 : [-0.0, inf)$
symbol $b_2 : -0.0$
symbol $a_{21} : (-0.0, inf)$
 $-c_2a_{21} + c_1a_{22} > 0$
 $a_{12}a_{21} - a_{11}a_{22} > 0$
 $c_1a_{12} - c_2a_{11} > 0$
 $-3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 + 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} - a_{11}^3a_{22}^3 + a_{12}^3a_{21}^3 \geq 0$
 $-a_{12}^2a_{21}^2 + 2.00 \cdot a_{12}a_{11}a_{22}a_{21} - a_{11}^2a_{22}^2 > 0$
 $c_1a_{12}^2a_{21} - a_{12}c_2a_{11}a_{21} - c_1a_{12}a_{11}a_{22} + c_2a_{11}^2a_{22} \geq 0$
 $3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 - 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} + a_{11}^3a_{22}^3 - a_{12}^3a_{21}^3 > 0$
 $-3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 + 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} - a_{11}^3a_{22}^3 + a_{12}^3a_{21}^3 > 0$
 $8.00 \cdot a_{12}^7a_{11}a_{22}a_{21}^7 - 28.00 \cdot a_{12}^6a_{11}^2a_{22}^2a_{21}^6 + 56.00 \cdot a_{12}^5a_{11}^3a_{22}^3a_{21}^5 - a_{12}^8a_{21}^8 - 70.00 \cdot a_{12}^4a_{11}^4a_{22}^4a_{21}^4 +$
 $56.00 \cdot a_{12}^3a_{11}^5a_{22}^5a_{21}^3 - 28.00 \cdot a_{12}^2a_{11}^6a_{22}^6a_{21}^2 + 8.00 \cdot a_{12}a_{11}^7a_{22}^7a_{21} - a_{11}^8a_{22}^8 \geq 0$
 $-8.00 \cdot a_{12}^7a_{11}a_{22}a_{21}^7 + 28.00 \cdot a_{12}^6a_{11}^2a_{22}^2a_{21}^6 - 56.00 \cdot a_{12}^5a_{11}^3a_{22}^3a_{21}^5 + a_{12}^8a_{21}^8 + 70.00 \cdot a_{12}^4a_{11}^4a_{22}^4a_{21}^4 -$
 $56.00 \cdot a_{12}^3a_{11}^5a_{22}^5a_{21}^3 + 28.00 \cdot a_{12}^2a_{11}^6a_{22}^6a_{21}^2 - 8.00 \cdot a_{12}a_{11}^7a_{22}^7a_{21} + a_{11}^8a_{22}^8 > 0$
pot #40:
symbol $a_{12} : (-0.0, inf)$
symbol $c_1 : (-inf, 0.0)$
symbol $a_{11} : (-inf, 0.0)$
symbol $a_{22} : (-inf, 0.0]$
symbol $b_1 : [-0.0, inf)$
symbol $b_2 : [-0.0, inf)$
symbol $a_{21} : (-0.0, inf)$
 $-c_2a_{21} + c_1a_{22} > 0$
 $a_{12}a_{21} - a_{11}a_{22} > 0$
 $c_1a_{12} - c_2a_{11} > 0$

symbol $a_{12} : (-0.0, inf)$
symbol $c_1 : (-inf, 0.0)$
symbol $a_{11} : (-inf, 0.0)$
symbol $a_{22} : (-inf, 0.0]$
symbol $b_1 : [-0.0, inf)$
symbol $b_2 : -0.0$
symbol $a_{21} : (-0.0, inf)$
 $-c_2a_{21} + c_1a_{22} > 0$
 $a_{12}a_{21} - a_{11}a_{22} > 0$
 $c_1a_{12} - c_2a_{11} > 0$
 $-3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 + 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} - a_{11}^3a_{22}^3 + a_{12}^3a_{21}^3 \geq 0$
 $-a_{12}^2a_{21}^2 + 2.00 \cdot a_{12}a_{11}a_{22}a_{21} - a_{11}^2a_{22}^2 > 0$
 $c_1a_{12}^2a_{21} - a_{12}c_2a_{11}a_{21} - c_1a_{12}a_{11}a_{22} + c_2a_{11}^2a_{22} \geq 0$
 $-3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 + 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} - a_{11}^3a_{22}^3 + a_{12}^3a_{21}^3 > 0$
 $3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 - 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} + a_{11}^3a_{22}^3 - a_{12}^3a_{21}^3 > 0$
 $8.00 \cdot a_{12}^7a_{11}a_{22}a_{21}^7 - 28.00 \cdot a_{12}^6a_{11}^2a_{22}^2a_{21}^6 + 56.00 \cdot a_{12}^5a_{11}^3a_{22}^3a_{21}^5 - a_{12}^8a_{21}^8 - 70.00 \cdot a_{12}^4a_{11}^4a_{22}^4a_{21}^4 +$
 $56.00 \cdot a_{12}^3a_{11}^5a_{22}^5a_{21}^3 - 28.00 \cdot a_{12}^2a_{11}^6a_{22}^6a_{21}^2 + 8.00 \cdot a_{12}a_{11}^7a_{22}^7a_{21} - a_{11}^8a_{22}^8 \geq 0$
 $-8.00 \cdot a_{12}^7a_{11}a_{22}a_{21}^7 + 28.00 \cdot a_{12}^6a_{11}^2a_{22}^2a_{21}^6 - 56.00 \cdot a_{12}^5a_{11}^3a_{22}^3a_{21}^5 + a_{12}^8a_{21}^8 + 70.00 \cdot a_{12}^4a_{11}^4a_{22}^4a_{21}^4 -$
 $56.00 \cdot a_{12}^3a_{11}^5a_{22}^5a_{21}^3 + 28.00 \cdot a_{12}^2a_{11}^6a_{22}^6a_{21}^2 - 8.00 \cdot a_{12}a_{11}^7a_{22}^7a_{21} + a_{11}^8a_{22}^8 > 0$
pot #44:

symbol $a_{12} : (-0.0, inf)$
symbol $c_1 : (-inf, 0.0)$
symbol $a_{11} : (-inf, 0.0)$
symbol $a_{22} : (-inf, 0.0]$
symbol $b_1 : [-0.0, inf)$
symbol $b_2 : [-0.0, inf)$
symbol $a_{21} : (-0.0, inf)$
 $-c_2a_{21} + c_1a_{22} > 0$
 $a_{12}a_{21} - a_{11}a_{22} > 0$
 $c_1a_{12} - c_2a_{11} > 0$
 $-3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 + 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} - a_{11}^3a_{22}^3 + a_{12}^3a_{21}^3 \geq 0$
 $-a_{12}^2a_{21}^2 + 2.00 \cdot a_{12}a_{11}a_{22}a_{21} - a_{11}^2a_{22}^2 > 0$
 $c_1a_{12}^2a_{21} - a_{12}c_2a_{11}a_{21} - c_1a_{12}a_{11}a_{22} + c_2a_{11}^2a_{22} \geq 0$
 $-3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 + 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} - a_{11}^3a_{22}^3 + a_{12}^3a_{21}^3 > 0$
 $-a_{12}^3a_{21}^3 + 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 - 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} + a_{11}^3a_{22}^3 > 0$
 $-8.00 \cdot a_{12}^7a_{11}a_{22}a_{21}^7 + 28.00 \cdot a_{12}^6a_{11}^2a_{22}^2a_{21}^6 - 56.00 \cdot a_{12}^5a_{11}^3a_{22}^3a_{21}^5 + a_{12}^8a_{21}^8 + 70.00 \cdot a_{12}^4a_{11}^4a_{22}^4a_{21}^4 -$
 $56.00 \cdot a_{12}^3a_{11}^5a_{22}^5a_{21}^3 + 28.00 \cdot a_{12}^2a_{11}^6a_{22}^6a_{21}^2 - 8.00 \cdot a_{12}a_{11}^7a_{22}^7a_{21} + a_{11}^8a_{22}^8 \geq 0$
 $-8.00 \cdot a_{12}^7a_{11}a_{22}a_{21}^7 + 28.00 \cdot a_{12}^6a_{11}^2a_{22}^2a_{21}^6 - 56.00 \cdot a_{12}^5a_{11}^3a_{22}^3a_{21}^5 + a_{12}^8a_{21}^8 + 70.00 \cdot a_{12}^4a_{11}^4a_{22}^4a_{21}^4 -$
 $56.00 \cdot a_{12}^3a_{11}^5a_{22}^5a_{21}^3 + 28.00 \cdot a_{12}^2a_{11}^6a_{22}^6a_{21}^2 - 8.00 \cdot a_{12}a_{11}^7a_{22}^7a_{21} + a_{11}^8a_{22}^8 > 0$
pot #45:

symbol $a_{12} : (-0.0, inf)$
symbol $c_1 : (-inf, 0.0)$
symbol $a_{11} : (-inf, 0.0)$
symbol $a_{22} : (-inf, 0.0]$
symbol $b_1 : [-0.0, inf)$
symbol $b_2 : [-0.0, inf)$
symbol $a_{21} : (-0.0, inf)$
 $-c_2a_{21} + c_1a_{22} > 0$
 $a_{12}a_{21} - a_{11}a_{22} > 0$
 $c_1a_{12} - c_2a_{11} > 0$

$$\begin{aligned}
& -3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 + a_{12}^3 a_{21}^3 \geq 0 \\
& -a_{12}^2 a_{21}^2 + 2.00 \cdot a_{12} a_{11} a_{22} a_{21} - a_{11}^2 a_{22}^2 > 0 \\
& c_1 a_{12}^2 a_{21} - a_{12} c_2 a_{11} a_{21} - c_1 a_{12} a_{11} a_{22} + c_2 a_{11}^2 a_{22} \geq 0 \\
& -3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 + a_{12}^3 a_{21}^3 > 0 \\
& -a_{12}^3 a_{21}^3 + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 > 0 \\
& 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - a_{12}^8 a_{21}^8 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 + \\
& 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - a_{11}^8 a_{22}^8 \geq 0 \\
& 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - a_{12}^8 a_{21}^8 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 + \\
& 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - a_{11}^8 a_{22}^8 > 0
\end{aligned}$$

pot #46:

symbol a_{12} : $(-0.0, inf)$

symbol c_1 : $(-inf, 0.0)$

symbol a_{11} : $(-inf, 0.0)$

symbol a_{22} : $(-inf, 0.0]$

symbol b_1 : $[-0.0, inf)$

symbol b_2 : -0.0

symbol a_{21} : $(-0.0, inf)$

$$-c_2 a_{21} + c_1 a_{22} > 0$$

$$a_{12} a_{21} - a_{11} a_{22} > 0$$

$$c_1 a_{12} - c_2 a_{11} > 0$$

$$-3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 + a_{12}^3 a_{21}^3 \geq 0$$

$$-a_{12}^2 a_{21}^2 + 2.00 \cdot a_{12} a_{11} a_{22} a_{21} - a_{11}^2 a_{22}^2 > 0$$

$$c_1 a_{12}^2 a_{21} - a_{12} c_2 a_{11} a_{21} - c_1 a_{12} a_{11} a_{22} + c_2 a_{11}^2 a_{22} \geq 0$$

$$-3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 + a_{12}^3 a_{21}^3 > 0$$

$$-a_{12}^3 a_{21}^3 + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 > 0$$

$$-8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + a_{12}^8 a_{21}^8 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 -$$

$$56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + a_{11}^8 a_{22}^8 \geq 0$$

$$8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - a_{12}^8 a_{21}^8 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 +$$

$$56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - a_{11}^8 a_{22}^8 > 0$$

pot #47:

symbol a_{12} : $(-0.0, inf)$

symbol c_1 : $(-inf, 0.0)$

symbol a_{11} : $(-inf, 0.0)$

symbol a_{22} : $(-inf, 0.0]$

symbol b_1 : $[-0.0, inf)$

symbol b_2 : -0.0

symbol a_{21} : $(-0.0, inf)$

$$-c_2 a_{21} + c_1 a_{22} > 0$$

$$a_{12} a_{21} - a_{11} a_{22} > 0$$

$$c_1 a_{12} - c_2 a_{11} > 0$$

$$-3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 + a_{12}^3 a_{21}^3 \geq 0$$

$$-a_{12}^2 a_{21}^2 + 2.00 \cdot a_{12} a_{11} a_{22} a_{21} - a_{11}^2 a_{22}^2 > 0$$

$$c_1 a_{12}^2 a_{21} - a_{12} c_2 a_{11} a_{21} - c_1 a_{12} a_{11} a_{22} + c_2 a_{11}^2 a_{22} \geq 0$$

$$-3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 + a_{12}^3 a_{21}^3 > 0$$

$$-a_{12}^3 a_{21}^3 + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 > 0$$

$$8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - a_{12}^8 a_{21}^8 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 +$$

$$56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - a_{11}^8 a_{22}^8 \geq 0$$

$$-8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + a_{12}^8 a_{21}^8 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 -$$

$$56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + a_{11}^8 a_{22}^8 > 0$$

pot #48:

symbol a_{12} : $(-0.0, inf)$
 symbol c_1 : $(-inf, 0.0)$
 symbol a_{11} : $(-inf, 0.0)$
 symbol a_{22} : $(-inf, 0.0]$
 symbol b_1 : -0.0
 symbol b_2 : $[-0.0, inf)$
 symbol a_{21} : $(-0.0, inf)$
 $-c_2a_{21} + c_1a_{22} > 0$
 $a_{12}a_{21} - a_{11}a_{22} > 0$
 $c_1a_{12} - c_2a_{11} > 0$
 $3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 - 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} + a_{11}^3a_{22}^3 - a_{12}^3a_{21}^3 \geq 0$
 $-a_{12}^2a_{21}^2 + 2.00 \cdot a_{12}a_{11}a_{22}a_{21} - a_{11}^2a_{22}^2 > 0$
 $c_1a_{12}^2a_{21} - a_{12}c_2a_{11}a_{21} - c_1a_{12}a_{11}a_{22} + c_2a_{11}^2a_{22} \geq 0$
 $3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 - 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} + a_{11}^3a_{22}^3 - a_{12}^3a_{21}^3 > 0$
 $a_{12}^3a_{21}^3 - 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 + 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} - a_{11}^3a_{22}^3 > 0$
 $-8.00 \cdot a_{12}^7a_{11}a_{22}a_{21}^7 + 28.00 \cdot a_{12}^6a_{11}^2a_{22}^2a_{21}^6 - 56.00 \cdot a_{12}^5a_{11}^3a_{22}^3a_{21}^5 + a_{12}^8a_{21}^8 + 70.00 \cdot a_{12}^4a_{11}^4a_{22}^4a_{21}^4 -$
 $56.00 \cdot a_{12}^3a_{11}^5a_{22}^5a_{21}^3 + 28.00 \cdot a_{12}^2a_{11}^6a_{22}^6a_{21}^2 - 8.00 \cdot a_{12}a_{11}^7a_{22}^7a_{21} + a_{11}^8a_{22}^8 \geq 0$
 $-8.00 \cdot a_{12}^7a_{11}a_{22}a_{21}^7 + 28.00 \cdot a_{12}^6a_{11}^2a_{22}^2a_{21}^6 - 56.00 \cdot a_{12}^5a_{11}^3a_{22}^3a_{21}^5 + a_{12}^8a_{21}^8 + 70.00 \cdot a_{12}^4a_{11}^4a_{22}^4a_{21}^4 -$
 $56.00 \cdot a_{12}^3a_{11}^5a_{22}^5a_{21}^3 + 28.00 \cdot a_{12}^2a_{11}^6a_{22}^6a_{21}^2 - 8.00 \cdot a_{12}a_{11}^7a_{22}^7a_{21} + a_{11}^8a_{22}^8 > 0$
 pot #49:

symbol a_{12} : $(-0.0, inf)$
 symbol c_1 : $(-inf, 0.0)$
 symbol a_{11} : $(-inf, 0.0)$
 symbol a_{22} : $(-inf, 0.0]$
 symbol b_1 : -0.0
 symbol b_2 : $[-0.0, inf)$
 symbol a_{21} : $(-0.0, inf)$
 $-c_2a_{21} + c_1a_{22} > 0$
 $a_{12}a_{21} - a_{11}a_{22} > 0$
 $c_1a_{12} - c_2a_{11} > 0$
 $3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 - 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} + a_{11}^3a_{22}^3 - a_{12}^3a_{21}^3 \geq 0$
 $-a_{12}^2a_{21}^2 + 2.00 \cdot a_{12}a_{11}a_{22}a_{21} - a_{11}^2a_{22}^2 > 0$
 $c_1a_{12}^2a_{21} - a_{12}c_2a_{11}a_{21} - c_1a_{12}a_{11}a_{22} + c_2a_{11}^2a_{22} \geq 0$
 $3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 - 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} + a_{11}^3a_{22}^3 - a_{12}^3a_{21}^3 > 0$
 $a_{12}^3a_{21}^3 - 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 + 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} - a_{11}^3a_{22}^3 > 0$
 $8.00 \cdot a_{12}^7a_{11}a_{22}a_{21}^7 - 28.00 \cdot a_{12}^6a_{11}^2a_{22}^2a_{21}^6 + 56.00 \cdot a_{12}^5a_{11}^3a_{22}^3a_{21}^5 - a_{12}^8a_{21}^8 - 70.00 \cdot a_{12}^4a_{11}^4a_{22}^4a_{21}^4 +$
 $56.00 \cdot a_{12}^3a_{11}^5a_{22}^5a_{21}^3 - 28.00 \cdot a_{12}^2a_{11}^6a_{22}^6a_{21}^2 + 8.00 \cdot a_{12}a_{11}^7a_{22}^7a_{21} - a_{11}^8a_{22}^8 \geq 0$
 $8.00 \cdot a_{12}^7a_{11}a_{22}a_{21}^7 - 28.00 \cdot a_{12}^6a_{11}^2a_{22}^2a_{21}^6 + 56.00 \cdot a_{12}^5a_{11}^3a_{22}^3a_{21}^5 - a_{12}^8a_{21}^8 - 70.00 \cdot a_{12}^4a_{11}^4a_{22}^4a_{21}^4 +$
 $56.00 \cdot a_{12}^3a_{11}^5a_{22}^5a_{21}^3 - 28.00 \cdot a_{12}^2a_{11}^6a_{22}^6a_{21}^2 + 8.00 \cdot a_{12}a_{11}^7a_{22}^7a_{21} - a_{11}^8a_{22}^8 > 0$
 pot #50:

symbol a_{12} : $(-0.0, inf)$
 symbol c_1 : $(-inf, 0.0)$
 symbol a_{11} : $(-inf, 0.0)$
 symbol a_{22} : $(-inf, 0.0]$
 symbol b_1 : -0.0
 symbol b_2 : -0.0
 symbol a_{21} : $(-0.0, inf)$
 $-c_2a_{21} + c_1a_{22} > 0$
 $a_{12}a_{21} - a_{11}a_{22} > 0$
 $c_1a_{12} - c_2a_{11} > 0$

$$\begin{aligned}
& 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 - a_{12}^3 a_{21}^3 \geq 0 \\
& -a_{12}^2 a_{21}^2 + 2.00 \cdot a_{12} a_{11} a_{22} a_{21} - a_{11}^2 a_{22}^2 > 0 \\
& c_1 a_{12}^2 a_{21} - a_{12} c_2 a_{11} a_{21} - c_1 a_{12} a_{11} a_{22} + c_2 a_{11}^2 a_{22} \geq 0 \\
& 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 - a_{12}^3 a_{21}^3 > 0 \\
& a_{12}^3 a_{21}^3 - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 > 0 \\
& -8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + a_{12}^8 a_{21}^8 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 - \\
& 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + a_{11}^8 a_{22}^8 \geq 0 \\
& 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - a_{12}^8 a_{21}^8 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 + \\
& 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - a_{11}^8 a_{22}^8 > 0
\end{aligned}$$

pot #51:

symbol a_{12} : $(-0.0, inf)$

symbol c_1 : $(-inf, 0.0)$

symbol a_{11} : $(-inf, 0.0)$

symbol a_{22} : $(-inf, 0.0]$

symbol b_1 : -0.0

symbol b_2 : -0.0

symbol a_{21} : $(-0.0, inf)$

$$-c_2 a_{21} + c_1 a_{22} > 0$$

$$a_{12} a_{21} - a_{11} a_{22} > 0$$

$$c_1 a_{12} - c_2 a_{11} > 0$$

$$3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 - a_{12}^3 a_{21}^3 \geq 0$$

$$-a_{12}^2 a_{21}^2 + 2.00 \cdot a_{12} a_{11} a_{22} a_{21} - a_{11}^2 a_{22}^2 > 0$$

$$c_1 a_{12}^2 a_{21} - a_{12} c_2 a_{11} a_{21} - c_1 a_{12} a_{11} a_{22} + c_2 a_{11}^2 a_{22} \geq 0$$

$$3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 - a_{12}^3 a_{21}^3 > 0$$

$$a_{12}^3 a_{21}^3 - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 > 0$$

$$8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - a_{12}^8 a_{21}^8 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 +$$

$$56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - a_{11}^8 a_{22}^8 \geq 0$$

$$-8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + a_{12}^8 a_{21}^8 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 -$$

$$56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + a_{11}^8 a_{22}^8 > 0$$

pot #52:

symbol a_{12} : $(-0.0, inf)$

symbol c_1 : $(-inf, 0.0)$

symbol a_{11} : $(-inf, 0.0)$

symbol a_{22} : $(-inf, 0.0]$

symbol b_1 : -0.0

symbol b_2 : $[-0.0, inf)$

symbol a_{21} : $(-0.0, inf)$

$$-c_2 a_{21} + c_1 a_{22} > 0$$

$$a_{12} a_{21} - a_{11} a_{22} > 0$$

$$c_1 a_{12} - c_2 a_{11} > 0$$

$$3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 - a_{12}^3 a_{21}^3 \geq 0$$

$$-a_{12}^2 a_{21}^2 + 2.00 \cdot a_{12} a_{11} a_{22} a_{21} - a_{11}^2 a_{22}^2 > 0$$

$$c_1 a_{12}^2 a_{21} - a_{12} c_2 a_{11} a_{21} - c_1 a_{12} a_{11} a_{22} + c_2 a_{11}^2 a_{22} \geq 0$$

$$3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 - a_{12}^3 a_{21}^3 > 0$$

$$-3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 + a_{12}^3 a_{21}^3 > 0$$

$$-8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + a_{12}^8 a_{21}^8 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 -$$

$$56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + a_{11}^8 a_{22}^8 \geq 0$$

$$-8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + a_{12}^8 a_{21}^8 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 -$$

$$56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + a_{11}^8 a_{22}^8 > 0$$

pot #53:

symbol $a_{12} : (-0.0, inf)$

symbol $c_1 : (-inf, 0.0)$

symbol $a_{11} : (-inf, 0.0)$

symbol $a_{22} : (-inf, 0.0]$

symbol $b_1 : -0.0$

symbol $b_2 : [-0.0, inf)$

symbol $a_{21} : (-0.0, inf)$

$$-c_2 a_{21} + c_1 a_{22} > 0$$

$$a_{12} a_{21} - a_{11} a_{22} > 0$$

$$c_1 a_{12} - c_2 a_{11} > 0$$

$$3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 - a_{12}^3 a_{21}^3 \geq 0$$

$$-a_{12}^2 a_{21}^2 + 2.00 \cdot a_{12} a_{11} a_{22} a_{21} - a_{11}^2 a_{22}^2 > 0$$

$$c_1 a_{12}^2 a_{21} - a_{12} c_2 a_{11} a_{21} - c_1 a_{12} a_{11} a_{22} + c_2 a_{11}^2 a_{22} \geq 0$$

$$3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 - a_{12}^3 a_{21}^3 > 0$$

$$-3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 + a_{12}^3 a_{21}^3 > 0$$

$$8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - a_{12}^8 a_{21}^8 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 +$$

$$56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - a_{11}^8 a_{22}^8 \geq 0$$

$$8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - a_{12}^8 a_{21}^8 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 +$$

$$56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - a_{11}^8 a_{22}^8 > 0$$

pot #54:

symbol $a_{12} : (-0.0, inf)$

symbol $c_1 : (-inf, 0.0)$

symbol $a_{11} : (-inf, 0.0)$

symbol $a_{22} : (-inf, 0.0]$

symbol $b_1 : -0.0$

symbol $b_2 : -0.0$

symbol $a_{21} : (-0.0, inf)$

$$-c_2 a_{21} + c_1 a_{22} > 0$$

$$a_{12} a_{21} - a_{11} a_{22} > 0$$

$$c_1 a_{12} - c_2 a_{11} > 0$$

$$3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 - a_{12}^3 a_{21}^3 \geq 0$$

$$-a_{12}^2 a_{21}^2 + 2.00 \cdot a_{12} a_{11} a_{22} a_{21} - a_{11}^2 a_{22}^2 > 0$$

$$c_1 a_{12}^2 a_{21} - a_{12} c_2 a_{11} a_{21} - c_1 a_{12} a_{11} a_{22} + c_2 a_{11}^2 a_{22} \geq 0$$

$$3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 - a_{12}^3 a_{21}^3 > 0$$

$$-3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 + a_{12}^3 a_{21}^3 > 0$$

$$-8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + a_{12}^8 a_{21}^8 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 -$$

$$56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + a_{11}^8 a_{22}^8 \geq 0$$

$$8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - a_{12}^8 a_{21}^8 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 +$$

$$56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - a_{11}^8 a_{22}^8 > 0$$

pot #55:

symbol $a_{12} : (-0.0, inf)$

symbol $c_1 : (-inf, 0.0)$

symbol $a_{11} : (-inf, 0.0)$

symbol $a_{22} : (-inf, 0.0]$

symbol $b_1 : -0.0$

symbol $b_2 : -0.0$

symbol $a_{21} : (-0.0, inf)$

$$-c_2 a_{21} + c_1 a_{22} > 0$$

$$a_{12} a_{21} - a_{11} a_{22} > 0$$

$$c_1 a_{12} - c_2 a_{11} > 0$$

symbol $a_{12} : (-0.0, inf)$
symbol $c_1 : (-inf, 0.0)$
symbol $a_{11} : (-inf, 0.0)$
symbol $a_{22} : (-inf, 0.0]$
symbol $b_1 : -0.0$
symbol $b_2 : -0.0$
symbol $a_{21} : (-0.0, inf)$
 $-c_2a_{21} + c_1a_{22} > 0$
 $a_{12}a_{21} - a_{11}a_{22} > 0$
 $c_1a_{12} - c_2a_{11} > 0$
 $3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 - 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} + a_{11}^3a_{22}^3 - a_{12}^3a_{21}^3 \geq 0$
 $-a_{12}^2a_{21}^2 + 2.00 \cdot a_{12}a_{11}a_{22}a_{21} - a_{11}^2a_{22}^2 > 0$
 $c_1a_{12}^2a_{21} - a_{12}c_2a_{11}a_{21} - c_1a_{12}a_{11}a_{22} + c_2a_{11}^2a_{22} \geq 0$
 $-3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 + 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} - a_{11}^3a_{22}^3 + a_{12}^3a_{21}^3 > 0$
 $3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 - 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} + a_{11}^3a_{22}^3 - a_{12}^3a_{21}^3 > 0$
 $-8.00 \cdot a_{12}^7a_{11}a_{22}a_{21}^7 + 28.00 \cdot a_{12}^6a_{11}^2a_{22}^2a_{21}^6 - 56.00 \cdot a_{12}^5a_{11}^3a_{22}^3a_{21}^5 + a_{12}^8a_{21}^8 + 70.00 \cdot a_{12}^4a_{11}^4a_{22}^4a_{21}^4 -$
 $56.00 \cdot a_{12}^3a_{11}^5a_{22}^5a_{21}^3 + 28.00 \cdot a_{12}^2a_{11}^6a_{22}^6a_{21}^2 - 8.00 \cdot a_{12}a_{11}^7a_{22}^7a_{21} + a_{11}^8a_{22}^8 \geq 0$
 $8.00 \cdot a_{12}^7a_{11}a_{22}a_{21}^7 - 28.00 \cdot a_{12}^6a_{11}^2a_{22}^2a_{21}^6 + 56.00 \cdot a_{12}^5a_{11}^3a_{22}^3a_{21}^5 - a_{12}^8a_{21}^8 - 70.00 \cdot a_{12}^4a_{11}^4a_{22}^4a_{21}^4 +$
 $56.00 \cdot a_{12}^3a_{11}^5a_{22}^5a_{21}^3 - 28.00 \cdot a_{12}^2a_{11}^6a_{22}^6a_{21}^2 + 8.00 \cdot a_{12}a_{11}^7a_{22}^7a_{21} - a_{11}^8a_{22}^8 > 0$
pot #59:

symbol $a_{12} : (-0.0, inf)$
symbol $c_1 : (-inf, 0.0)$
symbol $a_{11} : (-inf, 0.0)$
symbol $a_{22} : (-inf, 0.0]$
symbol $b_1 : -0.0$
symbol $b_2 : -0.0$
symbol $a_{21} : (-0.0, inf)$
 $-c_2a_{21} + c_1a_{22} > 0$
 $a_{12}a_{21} - a_{11}a_{22} > 0$
 $c_1a_{12} - c_2a_{11} > 0$
 $3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 - 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} + a_{11}^3a_{22}^3 - a_{12}^3a_{21}^3 \geq 0$
 $-a_{12}^2a_{21}^2 + 2.00 \cdot a_{12}a_{11}a_{22}a_{21} - a_{11}^2a_{22}^2 > 0$
 $c_1a_{12}^2a_{21} - a_{12}c_2a_{11}a_{21} - c_1a_{12}a_{11}a_{22} + c_2a_{11}^2a_{22} \geq 0$
 $-3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 + 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} - a_{11}^3a_{22}^3 + a_{12}^3a_{21}^3 > 0$
 $3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 - 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} + a_{11}^3a_{22}^3 - a_{12}^3a_{21}^3 > 0$
 $8.00 \cdot a_{12}^7a_{11}a_{22}a_{21}^7 - 28.00 \cdot a_{12}^6a_{11}^2a_{22}^2a_{21}^6 + 56.00 \cdot a_{12}^5a_{11}^3a_{22}^3a_{21}^5 - a_{12}^8a_{21}^8 - 70.00 \cdot a_{12}^4a_{11}^4a_{22}^4a_{21}^4 +$
 $56.00 \cdot a_{12}^3a_{11}^5a_{22}^5a_{21}^3 - 28.00 \cdot a_{12}^2a_{11}^6a_{22}^6a_{21}^2 + 8.00 \cdot a_{12}a_{11}^7a_{22}^7a_{21} - a_{11}^8a_{22}^8 \geq 0$
 $-8.00 \cdot a_{12}^7a_{11}a_{22}a_{21}^7 + 28.00 \cdot a_{12}^6a_{11}^2a_{22}^2a_{21}^6 - 56.00 \cdot a_{12}^5a_{11}^3a_{22}^3a_{21}^5 + a_{12}^8a_{21}^8 + 70.00 \cdot a_{12}^4a_{11}^4a_{22}^4a_{21}^4 -$
 $56.00 \cdot a_{12}^3a_{11}^5a_{22}^5a_{21}^3 + 28.00 \cdot a_{12}^2a_{11}^6a_{22}^6a_{21}^2 - 8.00 \cdot a_{12}a_{11}^7a_{22}^7a_{21} + a_{11}^8a_{22}^8 > 0$
pot #60:

symbol $a_{12} : (-0.0, inf)$
symbol $c_1 : (-inf, 0.0)$
symbol $a_{11} : (-inf, 0.0)$
symbol $a_{22} : (-inf, 0.0]$
symbol $b_1 : -0.0$
symbol $b_2 : [-0.0, inf)$
symbol $a_{21} : (-0.0, inf)$
 $-c_2a_{21} + c_1a_{22} > 0$
 $a_{12}a_{21} - a_{11}a_{22} > 0$
 $c_1a_{12} - c_2a_{11} > 0$

$$\begin{aligned}
& 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 - a_{12}^3 a_{21}^3 \geq 0 \\
& -a_{12}^2 a_{21}^2 + 2.00 \cdot a_{12} a_{11} a_{22} a_{21} - a_{11}^2 a_{22}^2 > 0 \\
& c_1 a_{12}^2 a_{21} - a_{12} c_2 a_{11} a_{21} - c_1 a_{12} a_{11} a_{22} + c_2 a_{11}^2 a_{22} \geq 0 \\
& -3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 + a_{12}^3 a_{21}^3 > 0 \\
& -a_{12}^3 a_{21}^3 + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 > 0 \\
& -8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + a_{12}^8 a_{21}^8 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 - \\
& 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + a_{11}^8 a_{22}^8 \geq 0 \\
& -8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + a_{12}^8 a_{21}^8 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 - \\
& 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + a_{11}^8 a_{22}^8 > 0
\end{aligned}$$

pot #61:

symbol a_{12} : $(-0.0, inf)$

symbol c_1 : $(-inf, 0.0)$

symbol a_{11} : $(-inf, 0.0)$

symbol a_{22} : $(-inf, 0.0]$

symbol b_1 : -0.0

symbol b_2 : $[-0.0, inf)$

symbol a_{21} : $(-0.0, inf)$

$$-c_2 a_{21} + c_1 a_{22} > 0$$

$$a_{12} a_{21} - a_{11} a_{22} > 0$$

$$c_1 a_{12} - c_2 a_{11} > 0$$

$$3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 - a_{12}^3 a_{21}^3 \geq 0$$

$$-a_{12}^2 a_{21}^2 + 2.00 \cdot a_{12} a_{11} a_{22} a_{21} - a_{11}^2 a_{22}^2 > 0$$

$$c_1 a_{12}^2 a_{21} - a_{12} c_2 a_{11} a_{21} - c_1 a_{12} a_{11} a_{22} + c_2 a_{11}^2 a_{22} \geq 0$$

$$-3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 + a_{12}^3 a_{21}^3 > 0$$

$$-a_{12}^3 a_{21}^3 + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 > 0$$

$$8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - a_{12}^8 a_{21}^8 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 +$$

$$56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - a_{11}^8 a_{22}^8 \geq 0$$

$$8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - a_{12}^8 a_{21}^8 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 +$$

$$56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - a_{11}^8 a_{22}^8 > 0$$

pot #62:

symbol a_{12} : $(-0.0, inf)$

symbol c_1 : $(-inf, 0.0)$

symbol a_{11} : $(-inf, 0.0)$

symbol a_{22} : $(-inf, 0.0]$

symbol b_1 : -0.0

symbol b_2 : -0.0

symbol a_{21} : $(-0.0, inf)$

$$-c_2 a_{21} + c_1 a_{22} > 0$$

$$a_{12} a_{21} - a_{11} a_{22} > 0$$

$$c_1 a_{12} - c_2 a_{11} > 0$$

$$3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 - a_{12}^3 a_{21}^3 \geq 0$$

$$-a_{12}^2 a_{21}^2 + 2.00 \cdot a_{12} a_{11} a_{22} a_{21} - a_{11}^2 a_{22}^2 > 0$$

$$c_1 a_{12}^2 a_{21} - a_{12} c_2 a_{11} a_{21} - c_1 a_{12} a_{11} a_{22} + c_2 a_{11}^2 a_{22} \geq 0$$

$$-3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 + a_{12}^3 a_{21}^3 > 0$$

$$-a_{12}^3 a_{21}^3 + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 > 0$$

$$-8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + a_{12}^8 a_{21}^8 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 -$$

$$56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + a_{11}^8 a_{22}^8 \geq 0$$

$$8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - a_{12}^8 a_{21}^8 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 +$$

$$56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - a_{11}^8 a_{22}^8 > 0$$

pot #63:

symbol $a_{12} : (-0.0, inf)$

symbol $c_1 : (-inf, 0.0)$

symbol $a_{11} : (-inf, 0.0)$

symbol $a_{22} : (-inf, 0.0]$

symbol $b_1 : -0.0$

symbol $b_2 : -0.0$

symbol $a_{21} : (-0.0, inf)$

$-c_2 a_{21} + c_1 a_{22} > 0$

$a_{12} a_{21} - a_{11} a_{22} > 0$

$c_1 a_{12} - c_2 a_{11} > 0$

$3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 - a_{12}^3 a_{21}^3 \geq 0$

$-a_{12}^2 a_{21}^2 + 2.00 \cdot a_{12} a_{11} a_{22} a_{21} - a_{11}^2 a_{22}^2 > 0$

$c_1 a_{12}^2 a_{21} - a_{12} c_2 a_{11} a_{21} - c_1 a_{12} a_{11} a_{22} + c_2 a_{11}^2 a_{22} \geq 0$

$-3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 + a_{12}^3 a_{21}^3 > 0$

$-a_{12}^3 a_{21}^3 + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 > 0$

$8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - a_{12}^8 a_{21}^8 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 +$

$56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - a_{11}^8 a_{22}^8 \geq 0$

$-8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + a_{12}^8 a_{21}^8 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 -$

$56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + a_{11}^8 a_{22}^8 > 0$

pot #64:

symbol $a_{12} : (-0.0, inf)$

symbol $c_1 : (-inf, 0.0)$

symbol $a_{11} : (-inf, 0.0)$

symbol $a_{22} : (-inf, 0.0]$

symbol $b_1 : -0.0$

symbol $b_2 : [-0.0, inf)$

symbol $a_{21} : (-0.0, inf)$

$-c_2 a_{21} + c_1 a_{22} > 0$

$a_{12} a_{21} - a_{11} a_{22} > 0$

$c_1 a_{12} - c_2 a_{11} > 0$

$-3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 + a_{12}^3 a_{21}^3 \geq 0$

$a_{12}^2 a_{21}^2 - 2.00 \cdot a_{12} a_{11} a_{22} a_{21} + a_{11}^2 a_{22}^2 > 0$

$c_1 a_{12}^2 a_{21} - a_{12} c_2 a_{11} a_{21} - c_1 a_{12} a_{11} a_{22} + c_2 a_{11}^2 a_{22} \geq 0$

$3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 - a_{12}^3 a_{21}^3 > 0$

$a_{12}^3 a_{21}^3 - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 > 0$

$-8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + a_{12}^8 a_{21}^8 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 -$

$56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + a_{11}^8 a_{22}^8 \geq 0$

$-8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + a_{12}^8 a_{21}^8 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 -$

$56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + a_{11}^8 a_{22}^8 > 0$

pot #65:

symbol $a_{12} : (-0.0, inf)$

symbol $c_1 : (-inf, 0.0)$

symbol $a_{11} : (-inf, 0.0)$

symbol $a_{22} : (-inf, 0.0]$

symbol $b_1 : -0.0$

symbol $b_2 : [-0.0, inf)$

symbol $a_{21} : (-0.0, inf)$

$-c_2 a_{21} + c_1 a_{22} > 0$

$a_{12} a_{21} - a_{11} a_{22} > 0$

$c_1 a_{12} - c_2 a_{11} > 0$

symbol a_{12} : $(-0.0, inf)$
symbol c_1 : $(-inf, 0.0)$
symbol a_{11} : $(-inf, 0.0)$
symbol a_{22} : $(-inf, 0.0]$
symbol b_1 : -0.0
symbol b_2 : $[-0.0, inf)$
symbol a_{21} : $(-0.0, inf)$
 $-c_2a_{21} + c_1a_{22} > 0$
 $a_{12}a_{21} - a_{11}a_{22} > 0$
 $c_1a_{12} - c_2a_{11} > 0$
 $-3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 + 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} - a_{11}^3a_{22}^3 + a_{12}^3a_{21}^3 \geq 0$
 $a_{12}^2a_{21}^2 - 2.00 \cdot a_{12}a_{11}a_{22}a_{21} + a_{11}^2a_{22}^2 > 0$
 $c_1a_{12}^2a_{21} - a_{12}c_2a_{11}a_{21} - c_1a_{12}a_{11}a_{22} + c_2a_{11}^2a_{22} \geq 0$
 $3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 - 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} + a_{11}^3a_{22}^3 - a_{12}^3a_{21}^3 > 0$
 $-3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 + 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} - a_{11}^3a_{22}^3 + a_{12}^3a_{21}^3 > 0$
 $-8.00 \cdot a_{12}^7a_{11}a_{22}a_{21}^7 + 28.00 \cdot a_{12}^6a_{11}^2a_{22}^2a_{21}^6 - 56.00 \cdot a_{12}^5a_{11}^3a_{22}^3a_{21}^5 + a_{12}^8a_{21}^8 + 70.00 \cdot a_{12}^4a_{11}^4a_{22}^4a_{21}^4 -$
 $56.00 \cdot a_{12}^3a_{11}^5a_{22}^5a_{21}^3 + 28.00 \cdot a_{12}^2a_{11}^6a_{22}^6a_{21}^2 - 8.00 \cdot a_{12}a_{11}^7a_{22}^7a_{21} + a_{11}^8a_{22}^8 \geq 0$
 $-8.00 \cdot a_{12}^7a_{11}a_{22}a_{21}^7 + 28.00 \cdot a_{12}^6a_{11}^2a_{22}^2a_{21}^6 - 56.00 \cdot a_{12}^5a_{11}^3a_{22}^3a_{21}^5 + a_{12}^8a_{21}^8 + 70.00 \cdot a_{12}^4a_{11}^4a_{22}^4a_{21}^4 -$
 $56.00 \cdot a_{12}^3a_{11}^5a_{22}^5a_{21}^3 + 28.00 \cdot a_{12}^2a_{11}^6a_{22}^6a_{21}^2 - 8.00 \cdot a_{12}a_{11}^7a_{22}^7a_{21} + a_{11}^8a_{22}^8 > 0$
pot #69:
symbol a_{12} : $(-0.0, inf)$
symbol c_1 : $(-inf, 0.0)$
symbol a_{11} : $(-inf, 0.0)$
symbol a_{22} : $(-inf, 0.0]$
symbol b_1 : -0.0
symbol b_2 : $[-0.0, inf)$
symbol a_{21} : $(-0.0, inf)$
 $-c_2a_{21} + c_1a_{22} > 0$
 $a_{12}a_{21} - a_{11}a_{22} > 0$
 $c_1a_{12} - c_2a_{11} > 0$
 $-3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 + 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} - a_{11}^3a_{22}^3 + a_{12}^3a_{21}^3 \geq 0$
 $a_{12}^2a_{21}^2 - 2.00 \cdot a_{12}a_{11}a_{22}a_{21} + a_{11}^2a_{22}^2 > 0$
 $c_1a_{12}^2a_{21} - a_{12}c_2a_{11}a_{21} - c_1a_{12}a_{11}a_{22} + c_2a_{11}^2a_{22} \geq 0$
 $3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 - 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} + a_{11}^3a_{22}^3 - a_{12}^3a_{21}^3 > 0$
 $-3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 + 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} - a_{11}^3a_{22}^3 + a_{12}^3a_{21}^3 > 0$
 $8.00 \cdot a_{12}^7a_{11}a_{22}a_{21}^7 - 28.00 \cdot a_{12}^6a_{11}^2a_{22}^2a_{21}^6 + 56.00 \cdot a_{12}^5a_{11}^3a_{22}^3a_{21}^5 - a_{12}^8a_{21}^8 - 70.00 \cdot a_{12}^4a_{11}^4a_{22}^4a_{21}^4 +$
 $56.00 \cdot a_{12}^3a_{11}^5a_{22}^5a_{21}^3 - 28.00 \cdot a_{12}^2a_{11}^6a_{22}^6a_{21}^2 + 8.00 \cdot a_{12}a_{11}^7a_{22}^7a_{21} - a_{11}^8a_{22}^8 \geq 0$
 $8.00 \cdot a_{12}^7a_{11}a_{22}a_{21}^7 - 28.00 \cdot a_{12}^6a_{11}^2a_{22}^2a_{21}^6 + 56.00 \cdot a_{12}^5a_{11}^3a_{22}^3a_{21}^5 - a_{12}^8a_{21}^8 - 70.00 \cdot a_{12}^4a_{11}^4a_{22}^4a_{21}^4 +$
 $56.00 \cdot a_{12}^3a_{11}^5a_{22}^5a_{21}^3 - 28.00 \cdot a_{12}^2a_{11}^6a_{22}^6a_{21}^2 + 8.00 \cdot a_{12}a_{11}^7a_{22}^7a_{21} - a_{11}^8a_{22}^8 > 0$
pot #70:
symbol a_{12} : $(-0.0, inf)$
symbol c_1 : $(-inf, 0.0)$
symbol a_{11} : $(-inf, 0.0)$
symbol a_{22} : $(-inf, 0.0]$
symbol b_1 : -0.0
symbol b_2 : -0.0
symbol a_{21} : $(-0.0, inf)$
 $-c_2a_{21} + c_1a_{22} > 0$
 $a_{12}a_{21} - a_{11}a_{22} > 0$
 $c_1a_{12} - c_2a_{11} > 0$

$$\begin{aligned}
& -3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 + a_{12}^3 a_{21}^3 \geq 0 \\
& a_{12}^2 a_{21}^2 - 2.00 \cdot a_{12} a_{11} a_{22} a_{21} + a_{11}^2 a_{22}^2 > 0 \\
& c_1 a_{12}^2 a_{21} - a_{12} c_2 a_{11} a_{21} - c_1 a_{12} a_{11} a_{22} + c_2 a_{11}^2 a_{22} \geq 0 \\
& 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 - a_{12}^3 a_{21}^3 > 0 \\
& -3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 + a_{12}^3 a_{21}^3 > 0 \\
& -8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + a_{12}^8 a_{21}^8 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 - \\
& 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + a_{11}^8 a_{22}^8 \geq 0 \\
& 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - a_{12}^8 a_{21}^8 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 + \\
& 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - a_{11}^8 a_{22}^8 > 0
\end{aligned}$$

pot #71:

symbol a_{12} : $(-0.0, inf)$

symbol c_1 : $(-inf, 0.0)$

symbol a_{11} : $(-inf, 0.0)$

symbol a_{22} : $(-inf, 0.0]$

symbol b_1 : -0.0

symbol b_2 : -0.0

symbol a_{21} : $(-0.0, inf)$

$$-c_2 a_{21} + c_1 a_{22} > 0$$

$$a_{12} a_{21} - a_{11} a_{22} > 0$$

$$c_1 a_{12} - c_2 a_{11} > 0$$

$$-3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 + a_{12}^3 a_{21}^3 \geq 0$$

$$a_{12}^2 a_{21}^2 - 2.00 \cdot a_{12} a_{11} a_{22} a_{21} + a_{11}^2 a_{22}^2 > 0$$

$$c_1 a_{12}^2 a_{21} - a_{12} c_2 a_{11} a_{21} - c_1 a_{12} a_{11} a_{22} + c_2 a_{11}^2 a_{22} \geq 0$$

$$3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 - a_{12}^3 a_{21}^3 > 0$$

$$-3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 + a_{12}^3 a_{21}^3 > 0$$

$$8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - a_{12}^8 a_{21}^8 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 +$$

$$56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - a_{11}^8 a_{22}^8 \geq 0$$

$$-8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + a_{12}^8 a_{21}^8 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 -$$

$$56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + a_{11}^8 a_{22}^8 > 0$$

pot #72:

symbol a_{12} : $(-0.0, inf)$

symbol c_1 : $(-inf, 0.0)$

symbol a_{11} : $(-inf, 0.0)$

symbol a_{22} : $(-inf, 0.0]$

symbol b_1 : -0.0

symbol b_2 : $[-0.0, inf)$

symbol a_{21} : $(-0.0, inf)$

$$-c_2 a_{21} + c_1 a_{22} > 0$$

$$a_{12} a_{21} - a_{11} a_{22} > 0$$

$$c_1 a_{12} - c_2 a_{11} > 0$$

$$-3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 + a_{12}^3 a_{21}^3 \geq 0$$

$$a_{12}^2 a_{21}^2 - 2.00 \cdot a_{12} a_{11} a_{22} a_{21} + a_{11}^2 a_{22}^2 > 0$$

$$c_1 a_{12}^2 a_{21} - a_{12} c_2 a_{11} a_{21} - c_1 a_{12} a_{11} a_{22} + c_2 a_{11}^2 a_{22} \geq 0$$

$$-3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 + a_{12}^3 a_{21}^3 > 0$$

$$3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 - a_{12}^3 a_{21}^3 > 0$$

$$-8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + a_{12}^8 a_{21}^8 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 -$$

$$56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + a_{11}^8 a_{22}^8 \geq 0$$

$$-8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + a_{12}^8 a_{21}^8 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 -$$

$$56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + a_{11}^8 a_{22}^8 > 0$$

pot #73:

symbol a_{12} : $(-0.0, inf)$

symbol c_1 : $(-inf, 0.0)$

symbol a_{11} : $(-inf, 0.0)$

symbol a_{22} : $(-inf, 0.0]$

symbol b_1 : -0.0

symbol b_2 : $[-0.0, inf)$

symbol a_{21} : $(-0.0, inf)$

$$-c_2 a_{21} + c_1 a_{22} > 0$$

$$a_{12} a_{21} - a_{11} a_{22} > 0$$

$$c_1 a_{12} - c_2 a_{11} > 0$$

$$-3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 + a_{12}^3 a_{21}^3 \geq 0$$

$$a_{12}^2 a_{21}^2 - 2.00 \cdot a_{12} a_{11} a_{22} a_{21} + a_{11}^2 a_{22}^2 > 0$$

$$c_1 a_{12}^2 a_{21} - a_{12} c_2 a_{11} a_{21} - c_1 a_{12} a_{11} a_{22} + c_2 a_{11}^2 a_{22} \geq 0$$

$$-3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 + a_{12}^3 a_{21}^3 > 0$$

$$3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 - a_{12}^3 a_{21}^3 > 0$$

$$8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - a_{12}^8 a_{21}^8 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 +$$

$$56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - a_{11}^8 a_{22}^8 \geq 0$$

$$8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - a_{12}^8 a_{21}^8 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 +$$

$$56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - a_{11}^8 a_{22}^8 > 0$$

pot #74:

symbol a_{12} : $(-0.0, inf)$

symbol c_1 : $(-inf, 0.0)$

symbol a_{11} : $(-inf, 0.0)$

symbol a_{22} : $(-inf, 0.0]$

symbol b_1 : -0.0

symbol b_2 : -0.0

symbol a_{21} : $(-0.0, inf)$

$$-c_2 a_{21} + c_1 a_{22} > 0$$

$$a_{12} a_{21} - a_{11} a_{22} > 0$$

$$c_1 a_{12} - c_2 a_{11} > 0$$

$$-3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 + a_{12}^3 a_{21}^3 \geq 0$$

$$a_{12}^2 a_{21}^2 - 2.00 \cdot a_{12} a_{11} a_{22} a_{21} + a_{11}^2 a_{22}^2 > 0$$

$$c_1 a_{12}^2 a_{21} - a_{12} c_2 a_{11} a_{21} - c_1 a_{12} a_{11} a_{22} + c_2 a_{11}^2 a_{22} \geq 0$$

$$-3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 + a_{12}^3 a_{21}^3 > 0$$

$$3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 - a_{12}^3 a_{21}^3 > 0$$

$$-8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + a_{12}^8 a_{21}^8 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 -$$

$$56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + a_{11}^8 a_{22}^8 \geq 0$$

$$8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - a_{12}^8 a_{21}^8 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 +$$

$$56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - a_{11}^8 a_{22}^8 > 0$$

pot #75:

symbol a_{12} : $(-0.0, inf)$

symbol c_1 : $(-inf, 0.0)$

symbol a_{11} : $(-inf, 0.0)$

symbol a_{22} : $(-inf, 0.0]$

symbol b_1 : -0.0

symbol b_2 : -0.0

symbol a_{21} : $(-0.0, inf)$

$$-c_2 a_{21} + c_1 a_{22} > 0$$

$$a_{12} a_{21} - a_{11} a_{22} > 0$$

$$c_1 a_{12} - c_2 a_{11} > 0$$

$$\begin{aligned}
& -3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 + a_{12}^3 a_{21}^3 \geq 0 \\
& a_{12}^2 a_{21}^2 - 2.00 \cdot a_{12} a_{11} a_{22} a_{21} + a_{11}^2 a_{22}^2 > 0 \\
& c_1 a_{12}^2 a_{21} - a_{12} c_2 a_{11} a_{21} - c_1 a_{12} a_{11} a_{22} + c_2 a_{11}^2 a_{22} \geq 0 \\
& -3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 + a_{12}^3 a_{21}^3 > 0 \\
& 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 - a_{12}^3 a_{21}^3 > 0 \\
& 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - a_{12}^8 a_{21}^8 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 + \\
& 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - a_{11}^8 a_{22}^8 \geq 0 \\
& -8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + a_{12}^8 a_{21}^8 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 - \\
& 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + a_{11}^8 a_{22}^8 > 0
\end{aligned}$$

pot #76:

symbol a_{12} : $(-0.0, inf)$

symbol c_1 : $(-inf, 0.0)$

symbol a_{11} : $(-inf, 0.0)$

symbol a_{22} : $(-inf, 0.0]$

symbol b_1 : -0.0

symbol b_2 : $[-0.0, inf)$

symbol a_{21} : $(-0.0, inf)$

$$-c_2 a_{21} + c_1 a_{22} > 0$$

$$a_{12} a_{21} - a_{11} a_{22} > 0$$

$$c_1 a_{12} - c_2 a_{11} > 0$$

$$-3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 + a_{12}^3 a_{21}^3 \geq 0$$

$$a_{12}^2 a_{21}^2 - 2.00 \cdot a_{12} a_{11} a_{22} a_{21} + a_{11}^2 a_{22}^2 > 0$$

$$c_1 a_{12}^2 a_{21} - a_{12} c_2 a_{11} a_{21} - c_1 a_{12} a_{11} a_{22} + c_2 a_{11}^2 a_{22} \geq 0$$

$$-3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 + a_{12}^3 a_{21}^3 > 0$$

$$-a_{12}^3 a_{21}^3 + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 > 0$$

$$-8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + a_{12}^8 a_{21}^8 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 -$$

$$56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + a_{11}^8 a_{22}^8 \geq 0$$

$$-8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + a_{12}^8 a_{21}^8 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 -$$

$$56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + a_{11}^8 a_{22}^8 > 0$$

pot #77:

symbol a_{12} : $(-0.0, inf)$

symbol c_1 : $(-inf, 0.0)$

symbol a_{11} : $(-inf, 0.0)$

symbol a_{22} : $(-inf, 0.0]$

symbol b_1 : -0.0

symbol b_2 : $[-0.0, inf)$

symbol a_{21} : $(-0.0, inf)$

$$-c_2 a_{21} + c_1 a_{22} > 0$$

$$a_{12} a_{21} - a_{11} a_{22} > 0$$

$$c_1 a_{12} - c_2 a_{11} > 0$$

$$-3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 + a_{12}^3 a_{21}^3 \geq 0$$

$$a_{12}^2 a_{21}^2 - 2.00 \cdot a_{12} a_{11} a_{22} a_{21} + a_{11}^2 a_{22}^2 > 0$$

$$c_1 a_{12}^2 a_{21} - a_{12} c_2 a_{11} a_{21} - c_1 a_{12} a_{11} a_{22} + c_2 a_{11}^2 a_{22} \geq 0$$

$$-3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 + a_{12}^3 a_{21}^3 > 0$$

$$-a_{12}^3 a_{21}^3 + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 > 0$$

$$8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - a_{12}^8 a_{21}^8 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 +$$

$$56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - a_{11}^8 a_{22}^8 \geq 0$$

$$8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - a_{12}^8 a_{21}^8 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 +$$

$$56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - a_{11}^8 a_{22}^8 > 0$$

pot #78:

symbol $a_{12} : (-0.0, inf)$
 symbol $c_1 : (-inf, 0.0)$
 symbol $a_{11} : (-inf, 0.0)$
 symbol $a_{22} : (-inf, 0.0]$
 symbol $b_1 : -0.0$
 symbol $b_2 : -0.0$
 symbol $a_{21} : (-0.0, inf)$
 $-c_2a_{21} + c_1a_{22} > 0$
 $a_{12}a_{21} - a_{11}a_{22} > 0$
 $c_1a_{12} - c_2a_{11} > 0$
 $-3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 + 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} - a_{11}^3a_{22}^3 + a_{12}^3a_{21}^3 \geq 0$
 $a_{12}^2a_{21}^2 - 2.00 \cdot a_{12}a_{11}a_{22}a_{21} + a_{11}^2a_{22}^2 > 0$
 $c_1a_{12}^2a_{21} - a_{12}c_2a_{11}a_{21} - c_1a_{12}a_{11}a_{22} + c_2a_{11}^2a_{22} \geq 0$
 $-3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 + 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} - a_{11}^3a_{22}^3 + a_{12}^3a_{21}^3 > 0$
 $-a_{12}^3a_{21}^3 + 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 - 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} + a_{11}^3a_{22}^3 > 0$
 $-8.00 \cdot a_{12}^7a_{11}a_{22}a_{21}^7 + 28.00 \cdot a_{12}^6a_{11}^2a_{22}^2a_{21}^6 - 56.00 \cdot a_{12}^5a_{11}^3a_{22}^3a_{21}^5 + a_{12}^8a_{21}^8 + 70.00 \cdot a_{12}^4a_{11}^4a_{22}^4a_{21}^4 -$
 $56.00 \cdot a_{12}^3a_{11}^5a_{22}^5a_{21}^3 + 28.00 \cdot a_{12}^2a_{11}^6a_{22}^6a_{21}^2 - 8.00 \cdot a_{12}a_{11}^7a_{22}^7a_{21} + a_{11}^8a_{22}^8 \geq 0$
 $8.00 \cdot a_{12}^7a_{11}a_{22}a_{21}^7 - 28.00 \cdot a_{12}^6a_{11}^2a_{22}^2a_{21}^6 + 56.00 \cdot a_{12}^5a_{11}^3a_{22}^3a_{21}^5 - a_{12}^8a_{21}^8 - 70.00 \cdot a_{12}^4a_{11}^4a_{22}^4a_{21}^4 +$
 $56.00 \cdot a_{12}^3a_{11}^5a_{22}^5a_{21}^3 - 28.00 \cdot a_{12}^2a_{11}^6a_{22}^6a_{21}^2 + 8.00 \cdot a_{12}a_{11}^7a_{22}^7a_{21} - a_{11}^8a_{22}^8 > 0$
 pot #79:

symbol $a_{12} : (-0.0, inf)$
 symbol $c_1 : (-inf, 0.0)$
 symbol $a_{11} : (-inf, 0.0)$
 symbol $a_{22} : (-inf, 0.0]$
 symbol $b_1 : -0.0$
 symbol $b_2 : -0.0$
 symbol $a_{21} : (-0.0, inf)$
 $-c_2a_{21} + c_1a_{22} > 0$
 $a_{12}a_{21} - a_{11}a_{22} > 0$
 $c_1a_{12} - c_2a_{11} > 0$
 $-3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 + 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} - a_{11}^3a_{22}^3 + a_{12}^3a_{21}^3 \geq 0$
 $a_{12}^2a_{21}^2 - 2.00 \cdot a_{12}a_{11}a_{22}a_{21} + a_{11}^2a_{22}^2 > 0$
 $c_1a_{12}^2a_{21} - a_{12}c_2a_{11}a_{21} - c_1a_{12}a_{11}a_{22} + c_2a_{11}^2a_{22} \geq 0$
 $-3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 + 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} - a_{11}^3a_{22}^3 + a_{12}^3a_{21}^3 > 0$
 $-a_{12}^3a_{21}^3 + 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 - 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} + a_{11}^3a_{22}^3 > 0$
 $8.00 \cdot a_{12}^7a_{11}a_{22}a_{21}^7 - 28.00 \cdot a_{12}^6a_{11}^2a_{22}^2a_{21}^6 + 56.00 \cdot a_{12}^5a_{11}^3a_{22}^3a_{21}^5 - a_{12}^8a_{21}^8 - 70.00 \cdot a_{12}^4a_{11}^4a_{22}^4a_{21}^4 +$
 $56.00 \cdot a_{12}^3a_{11}^5a_{22}^5a_{21}^3 - 28.00 \cdot a_{12}^2a_{11}^6a_{22}^6a_{21}^2 + 8.00 \cdot a_{12}a_{11}^7a_{22}^7a_{21} - a_{11}^8a_{22}^8 \geq 0$
 $-8.00 \cdot a_{12}^7a_{11}a_{22}a_{21}^7 + 28.00 \cdot a_{12}^6a_{11}^2a_{22}^2a_{21}^6 - 56.00 \cdot a_{12}^5a_{11}^3a_{22}^3a_{21}^5 + a_{12}^8a_{21}^8 + 70.00 \cdot a_{12}^4a_{11}^4a_{22}^4a_{21}^4 -$
 $56.00 \cdot a_{12}^3a_{11}^5a_{22}^5a_{21}^3 + 28.00 \cdot a_{12}^2a_{11}^6a_{22}^6a_{21}^2 - 8.00 \cdot a_{12}a_{11}^7a_{22}^7a_{21} + a_{11}^8a_{22}^8 > 0$

x_3	$\frac{-8.00 \cdot a_{12}^7 b_2 a_{11} a_{22} a_{21}^7 + 28.00 \cdot a_{12}^6 b_2 a_{11}^2 a_{22}^2 a_{21}^6 - 56.00 \cdot a_{12}^5 b_2 a_{11}^3 a_{22}^3 a_{21}^5 + 70.00 \cdot a_{12}^4 b_2 a_{11}^4 a_{22}^4 a_{21}^4 + a_{12}^8 b_2 a_{21}^8 - 56.00 \cdot a_{12}^3 b_2 a_{11}^5 a_{22}^5 a_{21}^3 + 28.00 \cdot a_{12}^2 b_2 a_{11}^6 a_{22}^6 a_{21}^2 - 8.00 \cdot a_{12} b_2 a_{11}^7 a_{22}^7 a_{21} + b_1^8 a_{22}^8}{-8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 + a_{12}^8 a_{21}^8 - 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + a_{11}^8 a_{22}^8}$
x_2	$\frac{-6.00 \cdot b_1 a_{12}^5 a_{11} a_{22} a_{21}^5 + 15.00 \cdot b_1 a_{12}^4 a_{11}^2 a_{22}^2 a_{21}^4 - 20.00 \cdot b_1 a_{12}^3 a_{11}^3 a_{22}^3 a_{21}^3 + 15.00 \cdot b_1 a_{12}^2 a_{11}^4 a_{22}^4 a_{21}^2 - 6.00 \cdot b_1 a_{12} a_{11}^5 a_{22}^5 a_{21} + b_1^6 a_{22}^6}{-6.00 \cdot a_{12}^5 a_{11} a_{22} a_{21}^5 + 15.00 \cdot a_{12}^4 a_{11}^2 a_{22}^2 a_{21}^4 - 20.00 \cdot a_{12}^3 a_{11}^3 a_{22}^3 a_{21}^3 + a_{12}^6 a_{21}^6 + 15.00 \cdot a_{12}^2 a_{11}^4 a_{22}^4 a_{21}^2 - 6.00 \cdot a_{12} a_{11}^5 a_{22}^5 a_{21} + a_{11}^6 a_{22}^6}$
Ψ	0.0

Table #1.0.0.-1

pots:

pot #0:

symbol $a_{12} : (-inf, 0.0]$

symbol $c_1 : (-inf, 0.0)$

symbol $a_{11} : (-inf, 0.0)$

symbol $a_{22} : (-0.0, inf)$

symbol $b_1 : [-0.0, inf)$

symbol $b_2 : [-0.0, inf)$

symbol $a_{21} : (-0.0, inf)$

$$-c_2 a_{21} + c_1 a_{22} > 0$$

$$a_{12} a_{21} - a_{11} a_{22} > 0$$

$$a_{12} b_2 - b_1 a_{22} \geq 0$$

$$c_1 a_{12} - c_2 a_{11} > 0$$

$$c_1 a_{12}^2 a_{21} - a_{12} c_2 a_{11} a_{21} - c_1 a_{12} a_{11} a_{22} + c_2 a_{11}^2 a_{22} \geq 0$$

$$-3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 + a_{12}^3 a_{21}^3 \geq 0$$

$$-a_{12}^3 a_{21}^3 + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 > 0$$

pot #1:

symbol $a_{12} : (-inf, 0.0]$

symbol $c_1 : (-inf, 0.0)$

symbol $a_{11} : (-inf, 0.0)$

symbol $a_{22} : (-0.0, inf)$

symbol $b_1 : [-0.0, inf)$

symbol $b_2 : [-0.0, inf)$

symbol $a_{21} : (-0.0, inf)$

$$-c_2 a_{21} + c_1 a_{22} > 0$$

$$a_{12} a_{21} - a_{11} a_{22} > 0$$

$$a_{12} b_2 - b_1 a_{22} \geq 0$$

$$c_1 a_{12} - c_2 a_{11} > 0$$

$$c_1 a_{12}^2 a_{21} - a_{12} c_2 a_{11} a_{21} - c_1 a_{12} a_{11} a_{22} + c_2 a_{11}^2 a_{22} \geq 0$$

$$3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 - a_{12}^3 a_{21}^3 \geq 0$$

$$a_{12}^3 a_{21}^3 - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 > 0$$

pot #2:

symbol $a_{12} : (-0.0, inf)$

symbol $c_1 : (-inf, 0.0)$

symbol $a_{11} : (-inf, 0.0)$

symbol $a_{22} : (-inf, 0.0]$

symbol $b_1 : [-0.0, inf)$

symbol $b_2 : [-0.0, inf)$

symbol $a_{21} : (-0.0, inf)$

$$-c_2 a_{21} + c_1 a_{22} > 0$$

$$a_{12} a_{21} - a_{11} a_{22} > 0$$

$$c_1 a_{12} - c_2 a_{11} > 0$$

$$3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 - a_{12}^3 a_{21}^3 \geq 0$$

$$a_{12}^2 a_{21}^2 - 2.00 \cdot a_{12} a_{11} a_{22} a_{21} + a_{11}^2 a_{22}^2 > 0$$

$$c_1 a_{12}^2 a_{21} - a_{12} c_2 a_{11} a_{21} - c_1 a_{12} a_{11} a_{22} + c_2 a_{11}^2 a_{22} \geq 0$$

$$-3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 + a_{12}^3 a_{21}^3 \geq 0$$

$$-a_{12}^3 a_{21}^3 + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 > 0$$

pot #3:

symbol $a_{12} : (-0.0, inf)$

symbol $c_1 : (-inf, 0.0)$
 symbol $a_{11} : (-inf, 0.0)$
 symbol $a_{22} : (-inf, 0.0]$
 symbol $b_1 : [-0.0, inf)$
 symbol $b_2 : [-0.0, inf)$
 symbol $a_{21} : (-0.0, inf)$

$$-c_2 a_{21} + c_1 a_{22} > 0$$

$$a_{12} a_{21} - a_{11} a_{22} > 0$$

$$c_1 a_{12} - c_2 a_{11} > 0$$

$$3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 - a_{12}^3 a_{21}^3 \geq 0$$

$$a_{12}^2 a_{21}^2 - 2.00 \cdot a_{12} a_{11} a_{22} a_{21} + a_{11}^2 a_{22}^2 > 0$$

$$c_1 a_{12}^2 a_{21} - a_{12} c_2 a_{11} a_{21} - c_1 a_{12} a_{11} a_{22} + c_2 a_{11}^2 a_{22} \geq 0$$

$$a_{12}^3 a_{21}^3 - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 > 0$$

pot #4:

symbol $a_{12} : (-0.0, inf)$

symbol $c_1 : (-inf, 0.0)$

symbol $a_{11} : (-inf, 0.0)$

symbol $a_{22} : (-inf, 0.0]$

symbol $b_1 : [-0.0, inf)$

symbol $b_2 : [-0.0, inf)$

symbol $a_{21} : (-0.0, inf)$

$$-c_2 a_{21} + c_1 a_{22} > 0$$

$$a_{12} a_{21} - a_{11} a_{22} > 0$$

$$c_1 a_{12} - c_2 a_{11} > 0$$

$$-3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 + a_{12}^3 a_{21}^3 \geq 0$$

$$-a_{12}^2 a_{21}^2 + 2.00 \cdot a_{12} a_{11} a_{22} a_{21} - a_{11}^2 a_{22}^2 > 0$$

$$c_1 a_{12}^2 a_{21} - a_{12} c_2 a_{11} a_{21} - c_1 a_{12} a_{11} a_{22} + c_2 a_{11}^2 a_{22} \geq 0$$

$$-a_{12}^3 a_{21}^3 + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 > 0$$

pot #5:

symbol $a_{12} : (-0.0, inf)$

symbol $c_1 : (-inf, 0.0)$

symbol $a_{11} : (-inf, 0.0)$

symbol $a_{22} : (-inf, 0.0]$

symbol $b_1 : [-0.0, inf)$

symbol $b_2 : [-0.0, inf)$

symbol $a_{21} : (-0.0, inf)$

$$-c_2 a_{21} + c_1 a_{22} > 0$$

$$a_{12} a_{21} - a_{11} a_{22} > 0$$

$$c_1 a_{12} - c_2 a_{11} > 0$$

$$-3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 + a_{12}^3 a_{21}^3 \geq 0$$

$$-a_{12}^2 a_{21}^2 + 2.00 \cdot a_{12} a_{11} a_{22} a_{21} - a_{11}^2 a_{22}^2 > 0$$

$$c_1 a_{12}^2 a_{21} - a_{12} c_2 a_{11} a_{21} - c_1 a_{12} a_{11} a_{22} + c_2 a_{11}^2 a_{22} \geq 0$$

$$3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 - a_{12}^3 a_{21}^3 \geq 0$$

$$a_{12}^3 a_{21}^3 - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 > 0$$

pot #6:

symbol $a_{12} : (-0.0, inf)$

symbol $c_1 : (-inf, 0.0)$

symbol $a_{11} : (-inf, 0.0)$

symbol $a_{22} : (-inf, 0.0]$

symbol $b_1 : -0.0$

symbol $b_2 : [-0.0, inf)$
symbol $a_{21} : (-0.0, inf)$
 $-c_2 a_{21} + c_1 a_{22} > 0$
 $a_{12} a_{21} - a_{11} a_{22} > 0$
 $c_1 a_{12} - c_2 a_{11} > 0$
 $3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 - a_{12}^3 a_{21}^3 \geq 0$
 $-a_{12}^2 a_{21}^2 + 2.00 \cdot a_{12} a_{11} a_{22} a_{21} - a_{11}^2 a_{22}^2 > 0$
 $c_1 a_{12}^2 a_{21} - a_{12} c_2 a_{11} a_{21} - c_1 a_{12} a_{11} a_{22} + c_2 a_{11}^2 a_{22} \geq 0$
 $-3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 + a_{12}^3 a_{21}^3 \geq 0$
 $-a_{12}^3 a_{21}^3 + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 > 0$
pot #7:
symbol $a_{12} : (-0.0, inf)$
symbol $c_1 : (-inf, 0.0)$
symbol $a_{11} : (-inf, 0.0)$
symbol $a_{22} : (-inf, 0.0]$
symbol $b_1 : -0.0$
symbol $b_2 : [-0.0, inf)$
symbol $a_{21} : (-0.0, inf)$
 $-c_2 a_{21} + c_1 a_{22} > 0$
 $a_{12} a_{21} - a_{11} a_{22} > 0$
 $c_1 a_{12} - c_2 a_{11} > 0$
 $3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 - a_{12}^3 a_{21}^3 \geq 0$
 $-a_{12}^2 a_{21}^2 + 2.00 \cdot a_{12} a_{11} a_{22} a_{21} - a_{11}^2 a_{22}^2 > 0$
 $c_1 a_{12}^2 a_{21} - a_{12} c_2 a_{11} a_{21} - c_1 a_{12} a_{11} a_{22} + c_2 a_{11}^2 a_{22} \geq 0$
 $a_{12}^3 a_{21}^3 - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 > 0$
pot #8:
symbol $a_{12} : (-0.0, inf)$
symbol $c_1 : (-inf, 0.0)$
symbol $a_{11} : (-inf, 0.0)$
symbol $a_{22} : (-inf, 0.0]$
symbol $b_1 : -0.0$
symbol $b_2 : [-0.0, inf)$
symbol $a_{21} : (-0.0, inf)$
 $-c_2 a_{21} + c_1 a_{22} > 0$
 $a_{12} a_{21} - a_{11} a_{22} > 0$
 $c_1 a_{12} - c_2 a_{11} > 0$
 $-3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 + a_{12}^3 a_{21}^3 \geq 0$
 $a_{12}^2 a_{21}^2 - 2.00 \cdot a_{12} a_{11} a_{22} a_{21} + a_{11}^2 a_{22}^2 > 0$
 $c_1 a_{12}^2 a_{21} - a_{12} c_2 a_{11} a_{21} - c_1 a_{12} a_{11} a_{22} + c_2 a_{11}^2 a_{22} \geq 0$
 $-a_{12}^3 a_{21}^3 + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 > 0$
pot #9:
symbol $a_{12} : (-0.0, inf)$
symbol $c_1 : (-inf, 0.0)$
symbol $a_{11} : (-inf, 0.0)$
symbol $a_{22} : (-inf, 0.0]$
symbol $b_1 : -0.0$
symbol $b_2 : [-0.0, inf)$
symbol $a_{21} : (-0.0, inf)$
 $-c_2 a_{21} + c_1 a_{22} > 0$
 $a_{12} a_{21} - a_{11} a_{22} > 0$

$$c_1 a_{12} - c_2 a_{11} > 0$$

$$-3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 + a_{12}^3 a_{21}^3 \geq 0$$

$$a_{12}^2 a_{21}^2 - 2.00 \cdot a_{12} a_{11} a_{22} a_{21} + a_{11}^2 a_{22}^2 > 0$$

$$c_1 a_{12}^2 a_{21} - a_{12} c_2 a_{11} a_{21} - c_1 a_{12} a_{11} a_{22} + c_2 a_{11}^2 a_{22} \geq 0$$

$$3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 - a_{12}^3 a_{21}^3 \geq 0$$

$$a_{12}^3 a_{21}^3 - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 > 0$$

		x_0	x_1	
x_3	$\frac{b_1 a_{12} a_{21}^2 - b_1 a_{11} a_{22} a_{21} - a_{12} b_2 a_{11} a_{21} + b_2 a_{11}^2 a_{22}}{-a_{12} a_{11} a_{21} + a_{11}^2 a_{22}}$	0.0	$\frac{a_{12} a_{21} - a_{11} a_{22}}{-a_{11}}$	
x_0	$\frac{3.00 \cdot b_1 a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot b_1 a_{12} a_{11}^2 a_{22}^2 a_{21} + b_1 a_{11}^3 a_{22}^3 - a_{12}^3 b_1 a_{21}^3}{-a_{12}^3 a_{11} a_{21}^3 + 3.00 \cdot a_{12}^2 a_{11}^2 a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^3 a_{22}^2 a_{21} + a_{11}^4 a_{22}^3}$	1.00	$\frac{-a_{12}^2 a_{21} + a_{12} a_{11} a_{22}}{-a_{12} a_{11} a_{21} + a_{11}^2 a_{22}}$	
Ψ	$\frac{-3.00 \cdot a_{12}^2 c_1 a_{11} a_{22} b_1 a_{21}^2 + 3.00 \cdot a_{12} c_1 a_{11}^2 a_{22}^2 b_1 a_{21} - c_1 b_1 a_{11}^3 a_{22}^3 + c_1 a_{12}^3 b_1 a_{21}^3}{-a_{12}^3 a_{11} a_{21}^3 + 3.00 \cdot a_{12}^2 a_{11}^2 a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^3 a_{22}^2 a_{21} + a_{11}^4 a_{22}^3}$	0.0	$\frac{c_1 a_{12}^2 a_{21} - a_{12} c_2 a_{11} a_{21} - c_1 a_{12} a_{11} a_{22} + c_2 a_{11}^2 a_{22}}{-a_{12} a_{11} a_{21} + a_{11}^2 a_{22}}$	1

Table #1.0.1

Moving out basis: x_0 from line: 1

Moving to basis: x_3

pots:

pot #0:

symbol a_{12} : $(-0.0, inf)$

symbol c_1 : $(-inf, 0.0)$

symbol a_{11} : $(-0.0, inf)$

symbol a_{22} : $(-0.0, inf)$

symbol b_1 : $[-0.0, inf)$

symbol b_2 : $[-0.0, inf)$

symbol a_{21} : $(-0.0, inf)$

$b_1 a_{21} - b_2 a_{11} \geq 0$

$-c_2 a_{21} + c_1 a_{22} > 0$

$a_{12} a_{21} - a_{11} a_{22} > 0$

$a_{12} b_2 - b_1 a_{22} \geq 0$

$c_1 a_{12} - c_2 a_{11} > 0$

pot #1:

symbol a_{12} : $(-0.0, inf)$

symbol c_1 : $(-inf, 0.0)$

symbol a_{11} : $(-0.0, inf)$

symbol a_{22} : $(-inf, 0.0]$

symbol b_1 : $[-0.0, inf)$

symbol b_2 : $[-0.0, inf)$

symbol a_{21} : $(-0.0, inf)$

$b_1 a_{21} - b_2 a_{11} \geq 0$

$-c_2 a_{21} + c_1 a_{22} > 0$

$a_{12} a_{21} - a_{11} a_{22} > 0$

$c_1 a_{12} - c_2 a_{11} > 0$

pot #2:

symbol a_{12} : $(-0.0, inf)$

symbol c_1 : $(-inf, 0.0)$

symbol a_{11} : $(-inf, 0.0)$

symbol a_{22} : $(-inf, 0.0]$

symbol b_1 : $[-0.0, inf)$

symbol b_2 : $[-0.0, inf)$

symbol a_{21} : $(-0.0, inf)$

$-c_2 a_{21} + c_1 a_{22} > 0$

$a_{12} a_{21} - a_{11} a_{22} > 0$

$c_1 a_{12} - c_2 a_{11} > 0$

$a_{12}^3 a_{21}^3 - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 \geq 0$

$a_{12}^2 a_{21}^2 - 2.00 \cdot a_{12} a_{11} a_{22} a_{21} + a_{11}^2 a_{22}^2 > 0$

pot #3:

symbol a_{12} : $(-0.0, inf)$

symbol c_1 : $(-inf, 0.0)$

symbol a_{11} : $(-inf, 0.0)$

symbol a_{22} : $(-inf, 0.0]$

symbol b_1 : $[-0.0, inf)$

symbol b_2 : $[-0.0, inf)$

symbol $a_{21} : (-0.0, inf)$
 $-c_2 a_{21} + c_1 a_{22} > 0$
 $a_{12} a_{21} - a_{11} a_{22} > 0$
 $c_1 a_{12} - c_2 a_{11} > 0$
 $-a_{12}^3 a_{21}^3 + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 \geq 0$
 $-a_{12}^2 a_{21}^2 + 2.00 \cdot a_{12} a_{11} a_{22} a_{21} - a_{11}^2 a_{22}^2 > 0$
 pot #4:
 symbol $a_{12} : (-0.0, inf)$
 symbol $c_1 : (-inf, 0.0)$
 symbol $a_{11} : (-inf, 0.0)$
 symbol $a_{22} : (-inf, 0.0]$
 symbol $b_1 : -0.0$
 symbol $b_2 : [-0.0, inf)$
 symbol $a_{21} : (-0.0, inf)$
 $-c_2 a_{21} + c_1 a_{22} > 0$
 $a_{12} a_{21} - a_{11} a_{22} > 0$
 $c_1 a_{12} - c_2 a_{11} > 0$
 $a_{12}^3 a_{21}^3 - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 \geq 0$
 $-a_{12}^2 a_{21}^2 + 2.00 \cdot a_{12} a_{11} a_{22} a_{21} - a_{11}^2 a_{22}^2 > 0$
 pot #5:
 symbol $a_{12} : (-0.0, inf)$
 symbol $c_1 : (-inf, 0.0)$
 symbol $a_{11} : (-inf, 0.0)$
 symbol $a_{22} : (-inf, 0.0]$
 symbol $b_1 : -0.0$
 symbol $b_2 : [-0.0, inf)$
 symbol $a_{21} : (-0.0, inf)$
 $-c_2 a_{21} + c_1 a_{22} > 0$
 $a_{12} a_{21} - a_{11} a_{22} > 0$
 $c_1 a_{12} - c_2 a_{11} > 0$
 $-a_{12}^3 a_{21}^3 + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 \geq 0$
 $a_{12}^2 a_{21}^2 - 2.00 \cdot a_{12} a_{11} a_{22} a_{21} + a_{11}^2 a_{22}^2 > 0$

		x_0	x_1	
x_1	$\frac{b_1 a_{21}^3 a_{12}^3 - 3.00 \cdot b_1 a_{21}^2 a_{11} a_{22} a_{12}^2 + 3.00 \cdot b_1 a_{21} a_{11}^2 a_{22}^2 a_{12} - b_1 a_{11}^3 a_{22}^3}{a_{12}^4 a_{21}^3 - 3.00 \cdot a_{12}^3 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12}^2 a_{11}^2 a_{22}^2 a_{21} - a_{12} a_{11}^3 a_{22}^3}$	$\frac{a_{12} a_{11} a_{21} - a_{11}^2 a_{22}}{a_{12}^2 a_{21} - a_{12} a_{11} a_{22}}$	1.00	
x_3	$\frac{a_{12}^2 b_2 a_{21} - a_{12} b_2 a_{11} a_{22} - b_1 a_{21} a_{22} a_{12} + b_1 a_{11} a_{22}^2}{a_{12}^2 a_{21} - a_{12} a_{11} a_{22}}$	$\frac{a_{12} a_{21} - a_{11} a_{22}}{a_{12}}$	0.0	
Ψ	$\frac{-b_1 c_2 a_{21}^3 a_{12}^3 + 3.00 \cdot a_{12}^2 c_2 a_{11} a_{22} b_1 a_{21}^2 - 3.00 \cdot a_{12} c_2 a_{11}^2 a_{22}^2 b_1 a_{21} + b_1 c_2 a_{11}^3 a_{22}^3}{a_{12}^4 a_{21}^3 - 3.00 \cdot a_{12}^3 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12}^2 a_{11}^2 a_{22}^2 a_{21} - a_{12} a_{11}^3 a_{22}^3}$	$\frac{c_1 a_{12}^2 a_{21} - a_{12} c_2 a_{11} a_{21} - c_1 a_{12} a_{11} a_{22} + c_2 a_{11}^2 a_{22}}{a_{12}^2 a_{21} - a_{12} a_{11} a_{22}}$	0.0	

Table #1.0.1.0

Moving out basis: x_1 from line: 0

Moving to basis: x_0

pots:

pot #0:

symbol a_{12} : $(-0.0, inf)$

symbol c_1 : $(-inf, 0.0)$

symbol a_{11} : $(-0.0, inf)$

symbol a_{22} : $(-0.0, inf)$

symbol b_1 : $[-0.0, inf)$

symbol b_2 : $[-0.0, inf)$

symbol a_{21} : $(-0.0, inf)$

$$b_1 a_{21} - b_2 a_{11} \geq 0$$

$$-c_2 a_{21} + c_1 a_{22} > 0$$

$$a_{12} a_{21} - a_{11} a_{22} > 0$$

$$a_{12} b_2 - b_1 a_{22} \geq 0$$

$$c_1 a_{12} - c_2 a_{11} > 0$$

$$-c_1 a_{12}^2 a_{21} + a_{12} c_2 a_{11} a_{21} + c_1 a_{12} a_{11} a_{22} - c_2 a_{11}^2 a_{22} > 0$$

$$a_{12}^5 b_2 a_{11} a_{21}^5 - 5.00 \cdot a_{12}^4 b_2 a_{11}^2 a_{22} a_{21}^4 + 10.00 \cdot a_{12}^3 b_2 a_{11}^3 a_{22}^2 a_{21}^3 - 10.00 \cdot a_{12}^2 b_2 a_{11}^4 a_{22}^3 a_{21}^2 + 5.00 \cdot$$

$$a_{12} b_2 a_{11}^5 a_{22}^4 a_{21} - b_2 a_{11}^6 a_{22}^5 + 5.00 \cdot b_1 a_{21}^5 a_{11} a_{22} a_{12}^4 - 10.00 \cdot b_1 a_{21}^4 a_{11}^2 a_{22}^3 a_{12}^3 + 10.00 \cdot$$

$$b_1 a_{21}^3 a_{11}^3 a_{22}^2 a_{12}^2 - 5.00 \cdot b_1 a_{21}^2 a_{11}^4 a_{22}^4 a_{12} + b_1 a_{11}^5 a_{22}^5 a_{21} - a_{12}^5 a_{21}^6 b_1 \geq 0$$

$$a_{12}^6 a_{21}^6 - 6.00 \cdot a_{12}^5 a_{11} a_{22} a_{21}^5 + 15.00 \cdot a_{12}^4 a_{11}^2 a_{22}^2 a_{21}^4 - 20.00 \cdot a_{12}^3 a_{11}^3 a_{22}^3 a_{21}^3 + 15.00 \cdot a_{12}^2 a_{11}^4 a_{22}^4 a_{21}^2 -$$

$$6.00 \cdot a_{12} a_{11}^5 a_{22}^5 a_{21} + a_{11}^6 a_{22}^6 > 0$$

pot #1:

symbol a_{12} : $(-0.0, inf)$

symbol c_1 : $(-inf, 0.0)$

symbol a_{11} : $(-0.0, inf)$

symbol a_{22} : $(-0.0, inf)$

symbol b_1 : $[-0.0, inf)$

symbol b_2 : $[-0.0, inf)$

symbol a_{21} : $(-0.0, inf)$

$$b_1 a_{21} - b_2 a_{11} \geq 0$$

$$-c_2 a_{21} + c_1 a_{22} > 0$$

$$a_{12} a_{21} - a_{11} a_{22} > 0$$

$$a_{12} b_2 - b_1 a_{22} \geq 0$$

$$c_1 a_{12} - c_2 a_{11} > 0$$

$$-c_1 a_{12}^2 a_{21} + a_{12} c_2 a_{11} a_{21} + c_1 a_{12} a_{11} a_{22} - c_2 a_{11}^2 a_{22} > 0$$

$$-a_{12}^5 b_2 a_{11} a_{21}^5 + 5.00 \cdot a_{12}^4 b_2 a_{11}^2 a_{22} a_{21}^4 - 10.00 \cdot a_{12}^3 b_2 a_{11}^3 a_{22}^2 a_{21}^3 + 10.00 \cdot a_{12}^2 b_2 a_{11}^4 a_{22}^3 a_{21}^2 - 5.00 \cdot$$

$$a_{12} b_2 a_{11}^5 a_{22}^4 a_{21} + b_2 a_{11}^6 a_{22}^5 - 5.00 \cdot b_1 a_{12}^4 a_{11} a_{22} a_{21}^5 + 10.00 \cdot b_1 a_{12}^3 a_{11}^2 a_{22}^3 a_{21}^4 - 10.00 \cdot$$

$$b_1 a_{12}^2 a_{11}^3 a_{22}^2 a_{21}^3 + 5.00 \cdot b_1 a_{12} a_{11}^4 a_{22}^4 a_{21}^2 - b_1 a_{11}^5 a_{22}^5 a_{21} + a_{12}^5 b_1 a_{21}^6 \geq 0$$

$$-a_{12}^6 a_{21}^6 + 6.00 \cdot a_{12}^5 a_{11} a_{22} a_{21}^5 - 15.00 \cdot a_{12}^4 a_{11}^2 a_{22}^2 a_{21}^4 + 20.00 \cdot a_{12}^3 a_{11}^3 a_{22}^3 a_{21}^3 - 15.00 \cdot a_{12}^2 a_{11}^4 a_{22}^4 a_{21}^2 +$$

$$6.00 \cdot a_{12} a_{11}^5 a_{22}^5 a_{21} - a_{11}^6 a_{22}^6 > 0$$

pot #2:

symbol a_{12} : $(-0.0, inf)$

symbol c_1 : $(-inf, 0.0)$

symbol a_{11} : $(-0.0, inf)$

symbol a_{22} : $(-inf, 0.0]$

symbol b_1 : $[-0.0, inf)$

symbol b_2 : $[-0.0, inf)$

symbol $a_{21} : (-0.0, inf)$

$$b_1 a_{21} - b_2 a_{11} \geq 0$$

$$-c_2 a_{21} + c_1 a_{22} > 0$$

$$a_{12} a_{21} - a_{11} a_{22} > 0$$

$$c_1 a_{12} - c_2 a_{11} > 0$$

$$-c_1 a_{12}^2 a_{21} + a_{12} c_2 a_{11} a_{21} + c_1 a_{12} a_{11} a_{22} - c_2 a_{11}^2 a_{22} > 0$$

$$a_{12}^5 b_2 a_{11} a_{21}^5 - 5.00 \cdot a_{12}^4 b_2 a_{11}^2 a_{22} a_{21}^4 + 10.00 \cdot a_{12}^3 b_2 a_{11}^3 a_{22}^2 a_{21}^3 - 10.00 \cdot a_{12}^2 b_2 a_{11}^4 a_{22}^3 a_{21}^2 + 5.00 \cdot$$

$$a_{12} b_2 a_{11}^5 a_{22}^4 a_{21} - b_2 a_{11}^6 a_{22}^5 + 5.00 \cdot b_1 a_{21}^5 a_{11} a_{22} a_{12}^4 - 10.00 \cdot b_1 a_{21}^4 a_{11}^2 a_{22}^2 a_{12}^3 + 10.00 \cdot$$

$$b_1 a_{21}^3 a_{11}^3 a_{22}^2 a_{12}^2 - 5.00 \cdot b_1 a_{21}^2 a_{11}^4 a_{22}^4 a_{12} + b_1 a_{11}^5 a_{22}^5 a_{21} - a_{12}^5 a_{21}^6 b_1 \geq 0$$

$$a_{12}^6 a_{21}^6 - 6.00 \cdot a_{12}^5 a_{11} a_{22} a_{21}^5 + 15.00 \cdot a_{12}^4 a_{11}^2 a_{22}^2 a_{21}^4 - 20.00 \cdot a_{12}^3 a_{11}^3 a_{22}^3 a_{21}^3 + 15.00 \cdot a_{12}^2 a_{11}^4 a_{22}^4 a_{21}^2 -$$

$$6.00 \cdot a_{12} a_{11}^5 a_{22}^5 a_{21} + a_{11}^6 a_{22}^6 > 0$$

x_0	$\frac{b_1 a_{21}^4 a_{12}^4 - 4.00 \cdot b_1 a_{21}^3 a_{11} a_{22} a_{12}^3 + 6.00 \cdot b_1 a_{21}^2 a_{11}^2 a_{22}^2 a_{12}^2 - 4.00 \cdot b_1 a_{21} a_{11}^3 a_{22}^3 a_{12} - 4.00 \cdot b_1 a_{21}^4 a_{11}^4 a_{22}^4}{a_{12}^4 a_{11} a_{21}^4 - 4.00 \cdot a_{12}^3 a_{11}^2 a_{22} a_{21}^3 + 6.00 \cdot a_{12}^2 a_{11}^3 a_{22}^2 a_{21}^2 - 4.00 \cdot a_{12} a_{11}^4 a_{22}^3 a_{21} - 4.00 \cdot a_{12}^5 a_{11}^5 a_{22}^4 a_{21}}$
x_3	$\frac{a_{12}^5 b_2 a_{11} a_{21}^5 - 5.00 \cdot a_{12}^4 b_2 a_{11}^2 a_{22} a_{21}^4 + 10.00 \cdot a_{12}^3 b_2 a_{11}^3 a_{22}^2 a_{21}^3 - 10.00 \cdot a_{12}^2 b_2 a_{11}^4 a_{22}^3 a_{21}^2 + 5.00 \cdot a_{12} b_2 a_{11}^5 a_{22}^4 a_{21} - b_2 a_{11}^6 a_{22}^5 + 5.00 \cdot b_1 a_{12}^4 a_{11} a_{22} a_{21}^5 - 10.00 \cdot b_1 a_{12}^3 a_{11}^2 a_{22}^2 a_{21}^4 + 10.00 \cdot b_1 a_{12}^2 a_{11}^3 a_{22}^3 a_{21}^3 - 10.00 \cdot b_1 a_{12} a_{11}^4 a_{22}^4 a_{21}^2 + 5.00 \cdot b_1 a_{12}^5 a_{11}^5 a_{22}^4 a_{21}}{a_{12}^5 a_{11} a_{21}^5 - 5.00 \cdot a_{12}^4 a_{11}^2 a_{22} a_{21}^4 + 10.00 \cdot a_{12}^3 a_{11}^3 a_{22}^2 a_{21}^3 - 10.00 \cdot a_{12}^2 a_{11}^4 a_{22}^3 a_{21}^2 + 5.00 \cdot a_{12} a_{11}^5 a_{22}^4 a_{21} - 5.00 \cdot a_{12}^6 a_{11}^6 a_{22}^5 a_{21}}$
Ψ	$\frac{-c_1 a_{12}^8 b_1 a_{21}^8 + 8.00 \cdot a_{12}^7 c_1 a_{11} a_{22} b_1 a_{21}^7 - 28.00 \cdot a_{12}^6 c_1 a_{11}^2 a_{22}^2 b_1 a_{21}^6 + 56.00 \cdot a_{12}^5 c_1 a_{11}^3 a_{22}^3 b_1 a_{21}^5 - 70.00 \cdot a_{12}^4 c_1 a_{11}^4 a_{22}^4 b_1 a_{21}^4 + 56.00 \cdot a_{12}^3 c_1 a_{11}^5 a_{22}^5 b_1 a_{21}^3 - 28.00 \cdot a_{12}^2 c_1 a_{11}^6 a_{22}^6 b_1 a_{21}^2 + 8.00 \cdot a_{12} c_1 a_{11}^7 a_{22}^7 b_1 a_{21} - c_1 a_{12}^8 b_1 a_{21}^8}{a_{12}^8 a_{11} a_{21}^8 - 8.00 \cdot a_{12}^7 a_{11}^2 a_{22} a_{21}^7 + 28.00 \cdot a_{12}^6 a_{11}^3 a_{22}^2 a_{21}^6 - 56.00 \cdot a_{12}^5 a_{11}^4 a_{22}^3 a_{21}^5 + 70.00 \cdot a_{12}^4 a_{11}^5 a_{22}^4 a_{21}^4 - 56.00 \cdot a_{12}^3 a_{11}^6 a_{22}^5 a_{21}^3 + 28.00 \cdot a_{12}^2 a_{11}^7 a_{22}^6 a_{21}^2 - 8.00 \cdot a_{12} a_{11}^8 a_{22}^7 a_{21} - c_1 a_{12}^8 b_1 a_{21}^8}$

Table #1.0.1.1

Moving out basis: x_3 from line: 1

Moving to basis: x_0

pots:

pot #0:

symbol a_{12} : $(-0.0, inf)$

symbol c_1 : $(-inf, 0.0)$

symbol a_{11} : $(-0.0, inf)$

symbol a_{22} : $(-0.0, inf)$

symbol b_1 : $[-0.0, inf)$

symbol b_2 : $[-0.0, inf)$

symbol a_{21} : $(-0.0, inf)$

$$b_1 a_{21} - b_2 a_{11} \geq 0$$

$$-c_2 a_{21} + c_1 a_{22} > 0$$

$$a_{12} a_{21} - a_{11} a_{22} > 0$$

$$a_{12} b_2 - b_1 a_{22} \geq 0$$

$$c_1 a_{12} - c_2 a_{11} > 0$$

$$-c_1 a_{12}^2 a_{21} + a_{12} c_2 a_{11} a_{21} + c_1 a_{12} a_{11} a_{22} - c_2 a_{11}^2 a_{22} > 0$$

$$b_1 a_{21}^6 a_{12}^5 - 5.00 \cdot b_1 a_{21}^5 a_{11} a_{22} a_{12}^4 + 10.00 \cdot b_1 a_{21}^4 a_{11}^2 a_{22}^2 a_{12}^3 - 10.00 \cdot b_1 a_{21}^3 a_{11}^3 a_{22}^3 a_{12}^2 + 5.00 \cdot$$

$$b_1 a_{21}^2 a_{11}^4 a_{22}^4 a_{12} - b_1 a_{11}^5 a_{22}^5 a_{21} - a_{12}^5 b_2 a_{11} a_{21}^5 + 5.00 \cdot a_{12}^4 b_2 a_{11}^2 a_{22}^2 a_{21}^4 - 10.00 \cdot a_{12}^3 b_2 a_{11}^3 a_{22}^3 a_{21}^3 +$$

$$10.00 \cdot a_{12}^2 b_2 a_{11}^4 a_{22}^4 a_{21}^2 - 5.00 \cdot a_{12} b_2 a_{11}^5 a_{22}^5 a_{21} + b_2 a_{11}^6 a_{22}^5 \geq 0$$

$$a_{12}^6 a_{21}^6 - 6.00 \cdot a_{12}^5 a_{11} a_{22} a_{21}^5 + 15.00 \cdot a_{12}^4 a_{11}^2 a_{22}^2 a_{21}^4 - 20.00 \cdot a_{12}^3 a_{11}^3 a_{22}^3 a_{21}^3 + 15.00 \cdot a_{12}^2 a_{11}^4 a_{22}^4 a_{21}^2 -$$

$$6.00 \cdot a_{12} a_{11}^5 a_{22}^5 a_{21} + a_{11}^6 a_{22}^6 > 0$$

pot #1:

symbol a_{12} : $(-0.0, inf)$

symbol c_1 : $(-inf, 0.0)$

symbol a_{11} : $(-0.0, inf)$

symbol a_{22} : $(-0.0, inf)$

symbol b_1 : $[-0.0, inf)$

symbol b_2 : $[-0.0, inf)$

symbol a_{21} : $(-0.0, inf)$

$$b_1 a_{21} - b_2 a_{11} \geq 0$$

$$-c_2 a_{21} + c_1 a_{22} > 0$$

$$a_{12} a_{21} - a_{11} a_{22} > 0$$

$$a_{12} b_2 - b_1 a_{22} \geq 0$$

$$c_1 a_{12} - c_2 a_{11} > 0$$

$$-c_1 a_{12}^2 a_{21} + a_{12} c_2 a_{11} a_{21} + c_1 a_{12} a_{11} a_{22} - c_2 a_{11}^2 a_{22} > 0$$

$$-b_1 a_{12}^5 a_{21}^6 + 5.00 \cdot b_1 a_{12}^4 a_{11} a_{22} a_{21}^5 - 10.00 \cdot b_1 a_{12}^3 a_{11}^2 a_{22}^2 a_{21}^4 + 10.00 \cdot b_1 a_{12}^2 a_{11}^3 a_{22}^3 a_{21}^3 - 5.00 \cdot$$

$$b_1 a_{12} a_{11}^4 a_{22}^4 a_{21}^2 + b_1 a_{11}^5 a_{22}^5 a_{21} + a_{12}^5 b_2 a_{11} a_{21}^5 - 5.00 \cdot a_{12}^4 b_2 a_{11}^2 a_{22}^2 a_{21}^4 + 10.00 \cdot a_{12}^3 b_2 a_{11}^3 a_{22}^3 a_{21}^3 -$$

$$10.00 \cdot a_{12}^2 b_2 a_{11}^4 a_{22}^4 a_{21}^2 + 5.00 \cdot a_{12} b_2 a_{11}^5 a_{22}^5 a_{21} - b_2 a_{11}^6 a_{22}^5 \geq 0$$

$$-a_{12}^6 a_{21}^6 + 6.00 \cdot a_{12}^5 a_{11} a_{22} a_{21}^5 - 15.00 \cdot a_{12}^4 a_{11}^2 a_{22}^2 a_{21}^4 + 20.00 \cdot a_{12}^3 a_{11}^3 a_{22}^3 a_{21}^3 - 15.00 \cdot a_{12}^2 a_{11}^4 a_{22}^4 a_{21}^2 +$$

$$6.00 \cdot a_{12} a_{11}^5 a_{22}^5 a_{21} - a_{11}^6 a_{22}^6 > 0$$

pot #2:

symbol a_{12} : $(-0.0, inf)$

symbol c_1 : $(-inf, 0.0)$

symbol a_{11} : $(-0.0, inf)$

symbol a_{22} : $(-inf, 0.0]$

symbol b_1 : $[-0.0, inf)$

symbol b_2 : $[-0.0, inf)$

symbol $a_{21} : (-0.0, inf)$

$$b_1 a_{21} - b_2 a_{11} \geq 0$$

$$-c_2 a_{21} + c_1 a_{22} > 0$$

$$a_{12} a_{21} - a_{11} a_{22} > 0$$

$$c_1 a_{12} - c_2 a_{11} > 0$$

$$-c_1 a_{12}^2 a_{21} + a_{12} c_2 a_{11} a_{21} + c_1 a_{12} a_{11} a_{22} - c_2 a_{11}^2 a_{22} > 0$$

$$b_1 a_{21}^6 a_{12}^5 - 5.00 \cdot b_1 a_{21}^5 a_{11} a_{22} a_{12}^4 + 10.00 \cdot b_1 a_{21}^4 a_{11}^2 a_{22}^2 a_{12}^3 - 10.00 \cdot b_1 a_{21}^3 a_{11}^3 a_{22}^3 a_{12}^2 + 5.00 \cdot$$

$$b_1 a_{21}^2 a_{11}^4 a_{22}^4 a_{12} - b_1 a_{11}^5 a_{22}^5 a_{21} - a_{12}^5 b_2 a_{11} a_{21}^5 + 5.00 \cdot a_{12}^4 b_2 a_{11}^2 a_{22}^2 a_{21}^4 - 10.00 \cdot a_{12}^3 b_2 a_{11}^3 a_{22}^3 a_{21}^3 +$$

$$10.00 \cdot a_{12}^2 b_2 a_{11}^4 a_{22}^4 a_{21}^2 - 5.00 \cdot a_{12} b_2 a_{11}^5 a_{22}^5 a_{21} + b_2 a_{11}^6 a_{22}^6 \geq 0$$

$$a_{12}^6 a_{21}^6 - 6.00 \cdot a_{12}^5 a_{11} a_{22}^5 a_{21}^5 + 15.00 \cdot a_{12}^4 a_{11}^2 a_{22}^4 a_{21}^4 - 20.00 \cdot a_{12}^3 a_{11}^3 a_{22}^3 a_{21}^3 + 15.00 \cdot a_{12}^2 a_{11}^4 a_{22}^4 a_{21}^2 -$$

$$6.00 \cdot a_{12} a_{11}^5 a_{22}^5 a_{21} + a_{11}^6 a_{22}^6 > 0$$

pot #3:

symbol $a_{12} : (-0.0, inf)$

symbol $c_1 : (-inf, 0.0)$

symbol $a_{11} : (-inf, 0.0)$

symbol $a_{22} : (-inf, 0.0]$

symbol $b_1 : [-0.0, inf)$

symbol $b_2 : [-0.0, inf)$

symbol $a_{21} : (-0.0, inf)$

$$-c_2 a_{21} + c_1 a_{22} > 0$$

$$a_{12} a_{21} - a_{11} a_{22} > 0$$

$$c_1 a_{12} - c_2 a_{11} > 0$$

$$a_{12}^3 a_{21}^3 - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 \geq 0$$

$$a_{12}^2 a_{21}^2 - 2.00 \cdot a_{12} a_{11} a_{22} a_{21} + a_{11}^2 a_{22}^2 > 0$$

$$-c_1 a_{12}^2 a_{21} + a_{12} c_2 a_{11} a_{21} + c_1 a_{12} a_{11} a_{22} - c_2 a_{11}^2 a_{22} > 0$$

$$a_{12} a_{21} - a_{11} a_{22} \geq 0$$

pot #4:

symbol $a_{12} : (-0.0, inf)$

symbol $c_1 : (-inf, 0.0)$

symbol $a_{11} : (-inf, 0.0)$

symbol $a_{22} : (-inf, 0.0]$

symbol $b_1 : [-0.0, inf)$

symbol $b_2 : [-0.0, inf)$

symbol $a_{21} : (-0.0, inf)$

$$-c_2 a_{21} + c_1 a_{22} > 0$$

$$a_{12} a_{21} - a_{11} a_{22} > 0$$

$$c_1 a_{12} - c_2 a_{11} > 0$$

$$-a_{12}^3 a_{21}^3 + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 \geq 0$$

$$-a_{12}^2 a_{21}^2 + 2.00 \cdot a_{12} a_{11} a_{22} a_{21} - a_{11}^2 a_{22}^2 > 0$$

$$-c_1 a_{12}^2 a_{21} + a_{12} c_2 a_{11} a_{21} + c_1 a_{12} a_{11} a_{22} - c_2 a_{11}^2 a_{22} > 0$$

$$a_{12} a_{21} - a_{11} a_{22} \geq 0$$

pot #5:

symbol $a_{12} : (-0.0, inf)$

symbol $c_1 : (-inf, 0.0)$

symbol $a_{11} : (-inf, 0.0)$

symbol $a_{22} : (-inf, 0.0]$

symbol $b_1 : -0.0$

symbol $b_2 : [-0.0, inf)$

symbol $a_{21} : (-0.0, inf)$

$$-c_2 a_{21} + c_1 a_{22} > 0$$

$$a_{12}a_{21} - a_{11}a_{22} > 0$$

$$c_1a_{12} - c_2a_{11} > 0$$

$$a_{12}^3a_{21}^3 - 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 + 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} - a_{11}^3a_{22}^3 \geq 0$$

$$-a_{12}^2a_{21}^2 + 2.00 \cdot a_{12}a_{11}a_{22}a_{21} - a_{11}^2a_{22}^2 > 0$$

$$-c_1a_{12}^2a_{21} + a_{12}c_2a_{11}a_{21} + c_1a_{12}a_{11}a_{22} - c_2a_{11}^2a_{22} > 0$$

$$a_{12}a_{21} - a_{11}a_{22} \geq 0$$

pot #6:

symbol a_{12} : $(-0.0, inf)$

symbol c_1 : $(-inf, 0.0)$

symbol a_{11} : $(-inf, 0.0)$

symbol a_{22} : $(-inf, 0.0]$

symbol b_1 : -0.0

symbol b_2 : $[-0.0, inf)$

symbol a_{21} : $(-0.0, inf)$

$$-c_2a_{21} + c_1a_{22} > 0$$

$$a_{12}a_{21} - a_{11}a_{22} > 0$$

$$c_1a_{12} - c_2a_{11} > 0$$

$$-a_{12}^3a_{21}^3 + 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 - 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} + a_{11}^3a_{22}^3 \geq 0$$

$$a_{12}^2a_{21}^2 - 2.00 \cdot a_{12}a_{11}a_{22}a_{21} + a_{11}^2a_{22}^2 > 0$$

$$-c_1a_{12}^2a_{21} + a_{12}c_2a_{11}a_{21} + c_1a_{12}a_{11}a_{22} - c_2a_{11}^2a_{22} > 0$$

$$a_{12}a_{21} - a_{11}a_{22} \geq 0$$

x_1	
x_0	
Ψ	$\frac{-b_1c_2a_{12}^5a_{21}^6+5.00 \cdot a_{12}^4c_2a_{11}a_{22}b_1a_{21}^5-10.00 \cdot a_{12}^3c_2a_{11}^2a_{22}^2b_1a_{21}^4+10.00 \cdot a_{12}^2c_2a_{11}^3a_{22}^3b_1a_{21}^3-5.00 \cdot a_{12}c_2a_{11}^4a_{22}^4b_1a_{21}^2+b_1c_2a_{11}^5a_{22}^5a_{21}-c_1a_{12}^6b_2a_{21}^6+6.00 \cdot a_{12}^5c_1a_{11}a_{22}b_2a_{21}^5-15.00 \cdot a_{12}^4c_1a_{11}^2a_{22}^2b_2a_{21}^4+10.00 \cdot a_{12}^3c_1a_{11}^3a_{22}^3b_2a_{21}^3-5.00 \cdot a_{12}^2c_1a_{11}^4a_{22}^4b_2a_{21}^2+5.00 \cdot a_{12}c_1a_{11}^5a_{22}^5b_2a_{21}-c_1^2a_{11}^6a_{22}^6}{1}$

Table #1.0.1.0

Moving out basis: x_1 from line: 0

Moving to basis: x_2

pots:

pot #0:

symbol a_{12} : $(-0.0, inf)$

symbol c_1 : $(-inf, 0.0)$

symbol c_2 : $(-inf, 0.0)$

symbol a_{11} : $(-0.0, inf)$

symbol a_{22} : $(-0.0, inf)$

symbol b_1 : $[-0.0, inf)$

symbol b_2 : $[-0.0, inf)$

symbol a_{21} : $(-0.0, inf)$

$$b_1 a_{21} - b_2 a_{11} \geq 0$$

$$-c_2 a_{21} + c_1 a_{22} > 0$$

$$a_{12} a_{21} - a_{11} a_{22} > 0$$

$$a_{12} b_2 - b_1 a_{22} \geq 0$$

$$c_1 a_{12} - c_2 a_{11} > 0$$

$$c_1 a_{12}^2 a_{21} - a_{12} c_2 a_{11} a_{21} - c_1 a_{12} a_{11} a_{22} + c_2 a_{11}^2 a_{22} \geq 0$$

$$a_{12}^3 a_{21}^3 - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 > 0$$

$$-a_{12}^3 a_{21}^3 + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 > 0$$

$$a_{12} a_{21} - a_{11} a_{22} \geq 0$$

pot #1:

symbol a_{12} : $(-0.0, inf)$

symbol c_1 : $(-inf, 0.0)$

symbol c_2 : $(-inf, 0.0)$

symbol a_{11} : $(-0.0, inf)$

symbol a_{22} : $(-0.0, inf)$

symbol b_1 : $[-0.0, inf)$

symbol b_2 : $[-0.0, inf)$

symbol a_{21} : $(-0.0, inf)$

$$b_1 a_{21} - b_2 a_{11} \geq 0$$

$$-c_2 a_{21} + c_1 a_{22} > 0$$

$$a_{12} a_{21} - a_{11} a_{22} > 0$$

$$a_{12} b_2 - b_1 a_{22} \geq 0$$

$$c_1 a_{12} - c_2 a_{11} > 0$$

$$c_1 a_{12}^2 a_{21} - a_{12} c_2 a_{11} a_{21} - c_1 a_{12} a_{11} a_{22} + c_2 a_{11}^2 a_{22} \geq 0$$

$$a_{12}^3 a_{21}^3 - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 > 0$$

$$-a_{12}^3 a_{21}^3 + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 > 0$$

$$a_{12} a_{21} - a_{11} a_{22} \geq 0$$

pot #2:

symbol a_{12} : $(-0.0, inf)$

symbol c_1 : $(-inf, 0.0)$

symbol c_2 : $(-inf, 0.0)$

symbol a_{11} : $(-0.0, inf)$

symbol a_{22} : $(-0.0, inf)$

symbol b_1 : $[-0.0, inf)$

symbol b_2 : $[-0.0, inf)$

symbol a_{21} : $(-0.0, inf)$

$$\begin{aligned}
&b_1 a_{21} - b_2 a_{11} \geq 0 \\
&-c_2 a_{21} + c_1 a_{22} > 0 \\
&a_{12} a_{21} - a_{11} a_{22} > 0 \\
&a_{12} b_2 - b_1 a_{22} \geq 0 \\
&c_1 a_{12} - c_2 a_{11} > 0 \\
&c_1 a_{12}^2 a_{21} - a_{12} c_2 a_{11} a_{21} - c_1 a_{12} a_{11} a_{22} + c_2 a_{11}^2 a_{22} \geq 0 \\
&-a_{12}^3 a_{21}^3 + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 > 0 \\
&a_{12}^3 a_{21}^3 - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 > 0 \\
&a_{12} a_{21} - a_{11} a_{22} \geq 0
\end{aligned}$$

pot #3:

$$\begin{aligned}
&\text{symbol } a_{12} : (-0.0, inf) \\
&\text{symbol } c_1 : (-inf, 0.0) \\
&\text{symbol } c_2 : (-inf, 0.0) \\
&\text{symbol } a_{11} : (-0.0, inf) \\
&\text{symbol } a_{22} : (-0.0, inf) \\
&\text{symbol } b_1 : [-0.0, inf) \\
&\text{symbol } b_2 : [-0.0, inf) \\
&\text{symbol } a_{21} : (-0.0, inf)
\end{aligned}$$

$$\begin{aligned}
&b_1 a_{21} - b_2 a_{11} \geq 0 \\
&-c_2 a_{21} + c_1 a_{22} > 0 \\
&a_{12} a_{21} - a_{11} a_{22} > 0 \\
&a_{12} b_2 - b_1 a_{22} \geq 0 \\
&c_1 a_{12} - c_2 a_{11} > 0 \\
&c_1 a_{12}^2 a_{21} - a_{12} c_2 a_{11} a_{21} - c_1 a_{12} a_{11} a_{22} + c_2 a_{11}^2 a_{22} \geq 0 \\
&-a_{12}^3 a_{21}^3 + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 > 0 \\
&a_{12}^3 a_{21}^3 - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 > 0 \\
&a_{12} a_{21} - a_{11} a_{22} \geq 0
\end{aligned}$$

pot #4:

$$\begin{aligned}
&\text{symbol } a_{12} : (-0.0, inf) \\
&\text{symbol } c_1 : (-inf, 0.0) \\
&\text{symbol } c_2 : (-0.0, inf) \\
&\text{symbol } a_{11} : (-inf, 0.0) \\
&\text{symbol } a_{22} : (-inf, 0.0) \\
&\text{symbol } b_1 : [-0.0, inf) \\
&\text{symbol } b_2 : [-0.0, inf) \\
&\text{symbol } a_{21} : (-0.0, inf)
\end{aligned}$$

$$\begin{aligned}
&-c_2 a_{21} + c_1 a_{22} > 0 \\
&a_{12} a_{21} - a_{11} a_{22} > 0 \\
&c_1 a_{12} - c_2 a_{11} > 0 \\
&a_{12}^3 a_{21}^3 - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 \geq 0 \\
&a_{12}^2 a_{21}^2 - 2.00 \cdot a_{12} a_{11} a_{22} a_{21} + a_{11}^2 a_{22}^2 > 0 \\
&c_1 a_{12}^2 a_{21} - a_{12} c_2 a_{11} a_{21} - c_1 a_{12} a_{11} a_{22} + c_2 a_{11}^2 a_{22} \geq 0 \\
&a_{12}^3 a_{21}^3 - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 > 0 \\
&a_{12}^8 a_{21}^8 - 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 - \\
&56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + a_{11}^8 a_{22}^8 \geq 0 \\
&a_{12}^8 a_{21}^8 - 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 - \\
&56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + a_{11}^8 a_{22}^8 > 0
\end{aligned}$$

pot #5:

$$\begin{aligned}
&\text{symbol } a_{12} : (-0.0, inf) \\
&\text{symbol } c_1 : (-inf, 0.0)
\end{aligned}$$

symbol $c_2 : (-0.0, inf)$
symbol $a_{11} : (-inf, 0.0)$
symbol $a_{22} : (-inf, 0.0)$
symbol $b_1 : [-0.0, inf)$
symbol $b_2 : [-0.0, inf)$
symbol $a_{21} : (-0.0, inf)$
 $-c_2 a_{21} + c_1 a_{22} > 0$
 $a_{12} a_{21} - a_{11} a_{22} > 0$
 $c_1 a_{12} - c_2 a_{11} > 0$
 $a_{12}^3 a_{21}^3 - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 \geq 0$
 $a_{12}^2 a_{21}^2 - 2.00 \cdot a_{12} a_{11} a_{22} a_{21} + a_{11}^2 a_{22}^2 > 0$
 $c_1 a_{12}^2 a_{21} - a_{12} c_2 a_{11} a_{21} - c_1 a_{12} a_{11} a_{22} + c_2 a_{11}^2 a_{22} \geq 0$
 $a_{12}^3 a_{21}^3 - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 > 0$
 $-a_{12}^8 a_{21}^8 + 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 +$
 $56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - a_{11}^8 a_{22}^8 \geq 0$
 $-a_{12}^8 a_{21}^8 + 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 +$
 $56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - a_{11}^8 a_{22}^8 > 0$
pot #6:
symbol $a_{12} : (-0.0, inf)$
symbol $c_1 : (-inf, 0.0)$
symbol $c_2 : (-0.0, inf)$
symbol $a_{11} : (-inf, 0.0)$
symbol $a_{22} : (-inf, 0.0)$
symbol $b_1 : [-0.0, inf)$
symbol $b_2 : -0.0$
symbol $a_{21} : (-0.0, inf)$
 $-c_2 a_{21} + c_1 a_{22} > 0$
 $a_{12} a_{21} - a_{11} a_{22} > 0$
 $c_1 a_{12} - c_2 a_{11} > 0$
 $a_{12}^3 a_{21}^3 - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 \geq 0$
 $a_{12}^2 a_{21}^2 - 2.00 \cdot a_{12} a_{11} a_{22} a_{21} + a_{11}^2 a_{22}^2 > 0$
 $c_1 a_{12}^2 a_{21} - a_{12} c_2 a_{11} a_{21} - c_1 a_{12} a_{11} a_{22} + c_2 a_{11}^2 a_{22} \geq 0$
 $a_{12}^3 a_{21}^3 - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 > 0$
 $a_{12}^8 a_{21}^8 - 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 -$
 $56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + a_{11}^8 a_{22}^8 \geq 0$
 $-a_{12}^8 a_{21}^8 + 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 +$
 $56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - a_{11}^8 a_{22}^8 > 0$
pot #7:
symbol $a_{12} : (-0.0, inf)$
symbol $c_1 : (-inf, 0.0)$
symbol $c_2 : (-0.0, inf)$
symbol $a_{11} : (-inf, 0.0)$
symbol $a_{22} : (-inf, 0.0)$
symbol $b_1 : [-0.0, inf)$
symbol $b_2 : -0.0$
symbol $a_{21} : (-0.0, inf)$
 $-c_2 a_{21} + c_1 a_{22} > 0$
 $a_{12} a_{21} - a_{11} a_{22} > 0$
 $c_1 a_{12} - c_2 a_{11} > 0$
 $a_{12}^3 a_{21}^3 - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 \geq 0$

symbol $a_{12} : (-0.0, inf)$

symbol $c_1 : (-inf, 0.0)$

symbol $c_2 : (-0.0, inf)$

symbol $a_{11} : (-inf, 0.0)$

symbol $a_{22} : (-inf, 0.0)$

symbol $b_1 : [-0.0, inf)$

symbol $b_2 : -0.0$

symbol $a_{21} : (-0.0, inf)$

$$-c_2 a_{21} + c_1 a_{22} > 0$$

$$a_{12} a_{21} - a_{11} a_{22} > 0$$

$$c_1 a_{12} - c_2 a_{11} > 0$$

$$a_{12}^3 a_{21}^3 - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 \geq 0$$

$$a_{12}^2 a_{21}^2 - 2.00 \cdot a_{12} a_{11} a_{22} a_{21} + a_{11}^2 a_{22}^2 > 0$$

$$c_1 a_{12}^2 a_{21} - a_{12} c_2 a_{11} a_{21} - c_1 a_{12} a_{11} a_{22} + c_2 a_{11}^2 a_{22} \geq 0$$

$$a_{12}^3 a_{21}^3 - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 > 0$$

$$-a_{12}^3 a_{21}^3 + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 > 0$$

$$a_{12}^8 a_{21}^8 - 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 - 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + a_{11}^8 a_{22}^8 \geq 0$$

$$-a_{12}^8 a_{21}^8 + 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 + 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - a_{11}^8 a_{22}^8 > 0$$

pot #11:

symbol $a_{12} : (-0.0, inf)$

symbol $c_1 : (-inf, 0.0)$

symbol $c_2 : (-0.0, inf)$

symbol $a_{11} : (-inf, 0.0)$

symbol $a_{22} : (-inf, 0.0)$

symbol $b_1 : [-0.0, inf)$

symbol $b_2 : -0.0$

symbol $a_{21} : (-0.0, inf)$

$$-c_2 a_{21} + c_1 a_{22} > 0$$

$$a_{12} a_{21} - a_{11} a_{22} > 0$$

$$c_1 a_{12} - c_2 a_{11} > 0$$

$$a_{12}^3 a_{21}^3 - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 \geq 0$$

$$a_{12}^2 a_{21}^2 - 2.00 \cdot a_{12} a_{11} a_{22} a_{21} + a_{11}^2 a_{22}^2 > 0$$

$$c_1 a_{12}^2 a_{21} - a_{12} c_2 a_{11} a_{21} - c_1 a_{12} a_{11} a_{22} + c_2 a_{11}^2 a_{22} \geq 0$$

$$a_{12}^3 a_{21}^3 - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 > 0$$

$$-a_{12}^3 a_{21}^3 + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 > 0$$

$$-a_{12}^8 a_{21}^8 + 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 + 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - a_{11}^8 a_{22}^8 \geq 0$$

$$a_{12}^8 a_{21}^8 - 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 - 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + a_{11}^8 a_{22}^8 > 0$$

pot #12:

symbol $a_{12} : (-0.0, inf)$

symbol $c_1 : (-inf, 0.0)$

symbol $c_2 : (-0.0, inf)$

symbol $a_{11} : (-inf, 0.0)$

symbol $a_{22} : (-inf, 0.0)$

symbol $b_1 : [-0.0, inf)$

symbol $b_2 : [-0.0, inf)$

symbol $a_{21} : (-0.0, inf)$

$$-c_2a_{21} + c_1a_{22} > 0$$

$$a_{12}a_{21} - a_{11}a_{22} > 0$$

$$c_1a_{12} - c_2a_{11} > 0$$

$$a_{12}^3a_{21}^3 - 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 + 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} - a_{11}^3a_{22}^3 \geq 0$$

$$a_{12}^2a_{21}^2 - 2.00 \cdot a_{12}a_{11}a_{22}a_{21} + a_{11}^2a_{22}^2 > 0$$

$$c_1a_{12}^2a_{21} - a_{12}c_2a_{11}a_{21} - c_1a_{12}a_{11}a_{22} + c_2a_{11}^2a_{22} \geq 0$$

$$-a_{12}^3a_{21}^3 + 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 - 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} + a_{11}^3a_{22}^3 > 0$$

$$a_{12}^3a_{21}^3 - 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 + 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} - a_{11}^3a_{22}^3 > 0$$

$$a_{12}^8a_{21}^8 - 8.00 \cdot a_{12}^7a_{11}a_{22}a_{21}^7 + 28.00 \cdot a_{12}^6a_{11}^2a_{22}^2a_{21}^6 - 56.00 \cdot a_{12}^5a_{11}^3a_{22}^3a_{21}^5 + 70.00 \cdot a_{12}^4a_{11}^4a_{22}^4a_{21}^4 -$$

$$56.00 \cdot a_{12}^3a_{11}^5a_{22}^5a_{21}^3 + 28.00 \cdot a_{12}^2a_{11}^6a_{22}^6a_{21}^2 - 8.00 \cdot a_{12}a_{11}^7a_{22}^7a_{21} + a_{11}^8a_{22}^8 \geq 0$$

$$a_{12}^8a_{21}^8 - 8.00 \cdot a_{12}^7a_{11}a_{22}a_{21}^7 + 28.00 \cdot a_{12}^6a_{11}^2a_{22}^2a_{21}^6 - 56.00 \cdot a_{12}^5a_{11}^3a_{22}^3a_{21}^5 + 70.00 \cdot a_{12}^4a_{11}^4a_{22}^4a_{21}^4 -$$

$$56.00 \cdot a_{12}^3a_{11}^5a_{22}^5a_{21}^3 + 28.00 \cdot a_{12}^2a_{11}^6a_{22}^6a_{21}^2 - 8.00 \cdot a_{12}a_{11}^7a_{22}^7a_{21} + a_{11}^8a_{22}^8 > 0$$

pot #13:

symbol $a_{12} : (-0.0, inf)$

symbol $c_1 : (-inf, 0.0)$

symbol $c_2 : (-0.0, inf)$

symbol $a_{11} : (-inf, 0.0)$

symbol $a_{22} : (-inf, 0.0)$

symbol $b_1 : [-0.0, inf)$

symbol $b_2 : [-0.0, inf)$

symbol $a_{21} : (-0.0, inf)$

$$-c_2a_{21} + c_1a_{22} > 0$$

$$a_{12}a_{21} - a_{11}a_{22} > 0$$

$$c_1a_{12} - c_2a_{11} > 0$$

$$a_{12}^3a_{21}^3 - 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 + 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} - a_{11}^3a_{22}^3 \geq 0$$

$$a_{12}^2a_{21}^2 - 2.00 \cdot a_{12}a_{11}a_{22}a_{21} + a_{11}^2a_{22}^2 > 0$$

$$c_1a_{12}^2a_{21} - a_{12}c_2a_{11}a_{21} - c_1a_{12}a_{11}a_{22} + c_2a_{11}^2a_{22} \geq 0$$

$$-a_{12}^3a_{21}^3 + 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 - 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} + a_{11}^3a_{22}^3 > 0$$

$$a_{12}^3a_{21}^3 - 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 + 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} - a_{11}^3a_{22}^3 > 0$$

$$-a_{12}^8a_{21}^8 + 8.00 \cdot a_{12}^7a_{11}a_{22}a_{21}^7 - 28.00 \cdot a_{12}^6a_{11}^2a_{22}^2a_{21}^6 + 56.00 \cdot a_{12}^5a_{11}^3a_{22}^3a_{21}^5 - 70.00 \cdot a_{12}^4a_{11}^4a_{22}^4a_{21}^4 +$$

$$56.00 \cdot a_{12}^3a_{11}^5a_{22}^5a_{21}^3 - 28.00 \cdot a_{12}^2a_{11}^6a_{22}^6a_{21}^2 + 8.00 \cdot a_{12}a_{11}^7a_{22}^7a_{21} - a_{11}^8a_{22}^8 \geq 0$$

$$-a_{12}^8a_{21}^8 + 8.00 \cdot a_{12}^7a_{11}a_{22}a_{21}^7 - 28.00 \cdot a_{12}^6a_{11}^2a_{22}^2a_{21}^6 + 56.00 \cdot a_{12}^5a_{11}^3a_{22}^3a_{21}^5 - 70.00 \cdot a_{12}^4a_{11}^4a_{22}^4a_{21}^4 +$$

$$56.00 \cdot a_{12}^3a_{11}^5a_{22}^5a_{21}^3 - 28.00 \cdot a_{12}^2a_{11}^6a_{22}^6a_{21}^2 + 8.00 \cdot a_{12}a_{11}^7a_{22}^7a_{21} - a_{11}^8a_{22}^8 > 0$$

pot #14:

symbol $a_{12} : (-0.0, inf)$

symbol $c_1 : (-inf, 0.0)$

symbol $c_2 : (-0.0, inf)$

symbol $a_{11} : (-inf, 0.0)$

symbol $a_{22} : (-inf, 0.0)$

symbol $b_1 : [-0.0, inf)$

symbol $b_2 : -0.0$

symbol $a_{21} : (-0.0, inf)$

$$-c_2a_{21} + c_1a_{22} > 0$$

$$a_{12}a_{21} - a_{11}a_{22} > 0$$

$$c_1a_{12} - c_2a_{11} > 0$$

$$a_{12}^3a_{21}^3 - 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 + 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} - a_{11}^3a_{22}^3 \geq 0$$

$$a_{12}^2a_{21}^2 - 2.00 \cdot a_{12}a_{11}a_{22}a_{21} + a_{11}^2a_{22}^2 > 0$$

$$c_1a_{12}^2a_{21} - a_{12}c_2a_{11}a_{21} - c_1a_{12}a_{11}a_{22} + c_2a_{11}^2a_{22} \geq 0$$

$$-a_{12}^3a_{21}^3 + 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 - 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} + a_{11}^3a_{22}^3 > 0$$

$$a_{12}^3a_{21}^3 - 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 + 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} - a_{11}^3a_{22}^3 > 0$$

$$\begin{aligned}
& a_{12}^8 a_{21}^8 - 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 - \\
& 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + a_{11}^8 a_{22}^8 \geq 0 \\
& -a_{12}^8 a_{21}^8 + 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 + \\
& 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - a_{11}^8 a_{22}^8 > 0
\end{aligned}$$

pot #15:

symbol a_{12} : $(-0.0, inf)$

symbol c_1 : $(-inf, 0.0)$

symbol c_2 : $(-0.0, inf)$

symbol a_{11} : $(-inf, 0.0)$

symbol a_{22} : $(-inf, 0.0)$

symbol b_1 : $[-0.0, inf)$

symbol b_2 : -0.0

symbol a_{21} : $(-0.0, inf)$

$$-c_2 a_{21} + c_1 a_{22} > 0$$

$$a_{12} a_{21} - a_{11} a_{22} > 0$$

$$c_1 a_{12} - c_2 a_{11} > 0$$

$$a_{12}^3 a_{21}^3 - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 \geq 0$$

$$a_{12}^2 a_{21}^2 - 2.00 \cdot a_{12} a_{11} a_{22} a_{21} + a_{11}^2 a_{22}^2 > 0$$

$$c_1 a_{12}^2 a_{21} - a_{12} c_2 a_{11} a_{21} - c_1 a_{12} a_{11} a_{22} + c_2 a_{11}^2 a_{22} \geq 0$$

$$-a_{12}^3 a_{21}^3 + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 > 0$$

$$a_{12}^3 a_{21}^3 - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 > 0$$

$$-a_{12}^8 a_{21}^8 + 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 +$$

$$56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - a_{11}^8 a_{22}^8 \geq 0$$

$$a_{12}^8 a_{21}^8 - 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 -$$

$$56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + a_{11}^8 a_{22}^8 > 0$$

pot #16:

symbol a_{12} : $(-0.0, inf)$

symbol c_1 : $(-inf, 0.0)$

symbol c_2 : $(-0.0, inf)$

symbol a_{11} : $(-inf, 0.0)$

symbol a_{22} : $(-inf, 0.0)$

symbol b_1 : $[-0.0, inf)$

symbol b_2 : $[-0.0, inf)$

symbol a_{21} : $(-0.0, inf)$

$$-c_2 a_{21} + c_1 a_{22} > 0$$

$$a_{12} a_{21} - a_{11} a_{22} > 0$$

$$c_1 a_{12} - c_2 a_{11} > 0$$

$$a_{12}^3 a_{21}^3 - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 \geq 0$$

$$a_{12}^2 a_{21}^2 - 2.00 \cdot a_{12} a_{11} a_{22} a_{21} + a_{11}^2 a_{22}^2 > 0$$

$$c_1 a_{12}^2 a_{21} - a_{12} c_2 a_{11} a_{21} - c_1 a_{12} a_{11} a_{22} + c_2 a_{11}^2 a_{22} \geq 0$$

$$-a_{12}^3 a_{21}^3 + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 > 0$$

$$a_{12}^8 a_{21}^8 - 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 -$$

$$56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + a_{11}^8 a_{22}^8 \geq 0$$

$$a_{12}^8 a_{21}^8 - 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 -$$

$$56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + a_{11}^8 a_{22}^8 > 0$$

pot #17:

symbol a_{12} : $(-0.0, inf)$

symbol c_1 : $(-inf, 0.0)$

symbol c_2 : $(-0.0, inf)$

symbol a_{11} : $(-inf, 0.0)$

symbol $a_{22} : (-inf, 0.0)$

symbol $b_1 : [-0.0, inf)$

symbol $b_2 : [-0.0, inf)$

symbol $a_{21} : (-0.0, inf)$

$$-c_2 a_{21} + c_1 a_{22} > 0$$

$$a_{12} a_{21} - a_{11} a_{22} > 0$$

$$c_1 a_{12} - c_2 a_{11} > 0$$

$$a_{12}^3 a_{21}^3 - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 \geq 0$$

$$a_{12}^2 a_{21}^2 - 2.00 \cdot a_{12} a_{11} a_{22} a_{21} + a_{11}^2 a_{22}^2 > 0$$

$$c_1 a_{12}^2 a_{21} - a_{12} c_2 a_{11} a_{21} - c_1 a_{12} a_{11} a_{22} + c_2 a_{11}^2 a_{22} \geq 0$$

$$-a_{12}^3 a_{21}^3 + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 > 0$$

$$-a_{12}^8 a_{21}^8 + 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 + 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - a_{11}^8 a_{22}^8 \geq 0$$

$$-a_{12}^8 a_{21}^8 + 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 + 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - a_{11}^8 a_{22}^8 > 0$$

pot #18:

symbol $a_{12} : (-0.0, inf)$

symbol $c_1 : (-inf, 0.0)$

symbol $c_2 : (-0.0, inf)$

symbol $a_{11} : (-inf, 0.0)$

symbol $a_{22} : (-inf, 0.0)$

symbol $b_1 : [-0.0, inf)$

symbol $b_2 : -0.0$

symbol $a_{21} : (-0.0, inf)$

$$-c_2 a_{21} + c_1 a_{22} > 0$$

$$a_{12} a_{21} - a_{11} a_{22} > 0$$

$$c_1 a_{12} - c_2 a_{11} > 0$$

$$a_{12}^3 a_{21}^3 - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 \geq 0$$

$$a_{12}^2 a_{21}^2 - 2.00 \cdot a_{12} a_{11} a_{22} a_{21} + a_{11}^2 a_{22}^2 > 0$$

$$c_1 a_{12}^2 a_{21} - a_{12} c_2 a_{11} a_{21} - c_1 a_{12} a_{11} a_{22} + c_2 a_{11}^2 a_{22} \geq 0$$

$$-a_{12}^3 a_{21}^3 + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 > 0$$

$$a_{12}^8 a_{21}^8 - 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 - 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + a_{11}^8 a_{22}^8 \geq 0$$

$$-a_{12}^8 a_{21}^8 + 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 + 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - a_{11}^8 a_{22}^8 > 0$$

pot #19:

symbol $a_{12} : (-0.0, inf)$

symbol $c_1 : (-inf, 0.0)$

symbol $c_2 : (-0.0, inf)$

symbol $a_{11} : (-inf, 0.0)$

symbol $a_{22} : (-inf, 0.0)$

symbol $b_1 : [-0.0, inf)$

symbol $b_2 : -0.0$

symbol $a_{21} : (-0.0, inf)$

$$-c_2 a_{21} + c_1 a_{22} > 0$$

$$a_{12} a_{21} - a_{11} a_{22} > 0$$

$$c_1 a_{12} - c_2 a_{11} > 0$$

$$a_{12}^3 a_{21}^3 - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 \geq 0$$

$$a_{12}^2 a_{21}^2 - 2.00 \cdot a_{12} a_{11} a_{22} a_{21} + a_{11}^2 a_{22}^2 > 0$$

$$c_1 a_{12}^2 a_{21} - a_{12} c_2 a_{11} a_{21} - c_1 a_{12} a_{11} a_{22} + c_2 a_{11}^2 a_{22} \geq 0$$

$$\begin{aligned}
& -a_{12}^3 a_{21}^3 + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 > 0 \\
& -a_{12}^8 a_{21}^8 + 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 + \\
& 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - a_{11}^8 a_{22}^8 \geq 0 \\
& a_{12}^8 a_{21}^8 - 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 - \\
& 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + a_{11}^8 a_{22}^8 > 0
\end{aligned}$$

pot #20:

symbol a_{12} : $(-0.0, inf)$

symbol c_1 : $(-inf, 0.0)$

symbol c_2 : $(-0.0, inf)$

symbol a_{11} : $(-inf, 0.0)$

symbol a_{22} : $(-inf, 0.0)$

symbol b_1 : $[-0.0, inf)$

symbol b_2 : $[-0.0, inf)$

symbol a_{21} : $(-0.0, inf)$

$$-c_2 a_{21} + c_1 a_{22} > 0$$

$$a_{12} a_{21} - a_{11} a_{22} > 0$$

$$c_1 a_{12} - c_2 a_{11} > 0$$

$$-a_{12}^3 a_{21}^3 + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 \geq 0$$

$$-a_{12}^2 a_{21}^2 + 2.00 \cdot a_{12} a_{11} a_{22} a_{21} - a_{11}^2 a_{22}^2 > 0$$

$$c_1 a_{12}^2 a_{21} - a_{12} c_2 a_{11} a_{21} - c_1 a_{12} a_{11} a_{22} + c_2 a_{11}^2 a_{22} \geq 0$$

$$a_{12}^3 a_{21}^3 - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 > 0$$

$$a_{12}^8 a_{21}^8 - 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 -$$

$$56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + a_{11}^8 a_{22}^8 \geq 0$$

$$a_{12}^8 a_{21}^8 - 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 -$$

$$56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + a_{11}^8 a_{22}^8 > 0$$

pot #21:

symbol a_{12} : $(-0.0, inf)$

symbol c_1 : $(-inf, 0.0)$

symbol c_2 : $(-0.0, inf)$

symbol a_{11} : $(-inf, 0.0)$

symbol a_{22} : $(-inf, 0.0)$

symbol b_1 : $[-0.0, inf)$

symbol b_2 : $[-0.0, inf)$

symbol a_{21} : $(-0.0, inf)$

$$-c_2 a_{21} + c_1 a_{22} > 0$$

$$a_{12} a_{21} - a_{11} a_{22} > 0$$

$$c_1 a_{12} - c_2 a_{11} > 0$$

$$-a_{12}^3 a_{21}^3 + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 \geq 0$$

$$-a_{12}^2 a_{21}^2 + 2.00 \cdot a_{12} a_{11} a_{22} a_{21} - a_{11}^2 a_{22}^2 > 0$$

$$c_1 a_{12}^2 a_{21} - a_{12} c_2 a_{11} a_{21} - c_1 a_{12} a_{11} a_{22} + c_2 a_{11}^2 a_{22} \geq 0$$

$$a_{12}^3 a_{21}^3 - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 > 0$$

$$-a_{12}^8 a_{21}^8 + 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 +$$

$$56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - a_{11}^8 a_{22}^8 \geq 0$$

$$-a_{12}^8 a_{21}^8 + 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 +$$

$$56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - a_{11}^8 a_{22}^8 > 0$$

pot #22:

symbol a_{12} : $(-0.0, inf)$

symbol c_1 : $(-inf, 0.0)$

symbol c_2 : $(-0.0, inf)$

symbol a_{11} : $(-inf, 0.0)$

symbol $a_{22} : (-inf, 0.0)$

symbol $b_1 : [-0.0, inf)$

symbol $b_2 : -0.0$

symbol $a_{21} : (-0.0, inf)$

$$-c_2 a_{21} + c_1 a_{22} > 0$$

$$a_{12} a_{21} - a_{11} a_{22} > 0$$

$$c_1 a_{12} - c_2 a_{11} > 0$$

$$-a_{12}^3 a_{21}^3 + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 \geq 0$$

$$-a_{12}^2 a_{21}^2 + 2.00 \cdot a_{12} a_{11} a_{22} a_{21} - a_{11}^2 a_{22}^2 > 0$$

$$c_1 a_{12}^2 a_{21} - a_{12} c_2 a_{11} a_{21} - c_1 a_{12} a_{11} a_{22} + c_2 a_{11}^2 a_{22} \geq 0$$

$$a_{12}^3 a_{21}^3 - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 > 0$$

$$a_{12}^8 a_{21}^8 - 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 - 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + a_{11}^8 a_{22}^8 \geq 0$$

$$-a_{12}^8 a_{21}^8 + 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 + 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - a_{11}^8 a_{22}^8 > 0$$

pot #23:

symbol $a_{12} : (-0.0, inf)$

symbol $c_1 : (-inf, 0.0)$

symbol $c_2 : (-0.0, inf)$

symbol $a_{11} : (-inf, 0.0)$

symbol $a_{22} : (-inf, 0.0)$

symbol $b_1 : [-0.0, inf)$

symbol $b_2 : -0.0$

symbol $a_{21} : (-0.0, inf)$

$$-c_2 a_{21} + c_1 a_{22} > 0$$

$$a_{12} a_{21} - a_{11} a_{22} > 0$$

$$c_1 a_{12} - c_2 a_{11} > 0$$

$$-a_{12}^3 a_{21}^3 + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 \geq 0$$

$$-a_{12}^2 a_{21}^2 + 2.00 \cdot a_{12} a_{11} a_{22} a_{21} - a_{11}^2 a_{22}^2 > 0$$

$$c_1 a_{12}^2 a_{21} - a_{12} c_2 a_{11} a_{21} - c_1 a_{12} a_{11} a_{22} + c_2 a_{11}^2 a_{22} \geq 0$$

$$a_{12}^3 a_{21}^3 - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 > 0$$

$$-a_{12}^8 a_{21}^8 + 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 + 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - a_{11}^8 a_{22}^8 \geq 0$$

$$a_{12}^8 a_{21}^8 - 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 - 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + a_{11}^8 a_{22}^8 > 0$$

pot #24:

symbol $a_{12} : (-0.0, inf)$

symbol $c_1 : (-inf, 0.0)$

symbol $c_2 : (-0.0, inf)$

symbol $a_{11} : (-inf, 0.0)$

symbol $a_{22} : (-inf, 0.0)$

symbol $b_1 : [-0.0, inf)$

symbol $b_2 : [-0.0, inf)$

symbol $a_{21} : (-0.0, inf)$

$$-c_2 a_{21} + c_1 a_{22} > 0$$

$$a_{12} a_{21} - a_{11} a_{22} > 0$$

$$c_1 a_{12} - c_2 a_{11} > 0$$

$$-a_{12}^3 a_{21}^3 + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 \geq 0$$

$$-a_{12}^2 a_{21}^2 + 2.00 \cdot a_{12} a_{11} a_{22} a_{21} - a_{11}^2 a_{22}^2 > 0$$

$$c_1 a_{12}^2 a_{21} - a_{12} c_2 a_{11} a_{21} - c_1 a_{12} a_{11} a_{22} + c_2 a_{11}^2 a_{22} \geq 0$$

$$\begin{aligned}
& a_{12}^3 a_{21}^3 - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 > 0 \\
& -a_{12}^3 a_{21}^3 + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 > 0 \\
& a_{12}^8 a_{21}^8 - 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 - \\
& 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + a_{11}^8 a_{22}^8 \geq 0 \\
& a_{12}^8 a_{21}^8 - 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 - \\
& 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + a_{11}^8 a_{22}^8 > 0
\end{aligned}$$

pot #25:

symbol a_{12} : $(-0.0, inf)$

symbol c_1 : $(-inf, 0.0)$

symbol c_2 : $(-0.0, inf)$

symbol a_{11} : $(-inf, 0.0)$

symbol a_{22} : $(-inf, 0.0)$

symbol b_1 : $[-0.0, inf)$

symbol b_2 : $[-0.0, inf)$

symbol a_{21} : $(-0.0, inf)$

$$-c_2 a_{21} + c_1 a_{22} > 0$$

$$a_{12} a_{21} - a_{11} a_{22} > 0$$

$$c_1 a_{12} - c_2 a_{11} > 0$$

$$-a_{12}^3 a_{21}^3 + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 \geq 0$$

$$-a_{12}^2 a_{21}^2 + 2.00 \cdot a_{12} a_{11} a_{22} a_{21} - a_{11}^2 a_{22}^2 > 0$$

$$c_1 a_{12}^2 a_{21} - a_{12} c_2 a_{11} a_{21} - c_1 a_{12} a_{11} a_{22} + c_2 a_{11}^2 a_{22} \geq 0$$

$$a_{12}^3 a_{21}^3 - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 > 0$$

$$-a_{12}^3 a_{21}^3 + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 > 0$$

$$-a_{12}^8 a_{21}^8 + 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 +$$

$$56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - a_{11}^8 a_{22}^8 \geq 0$$

$$-a_{12}^8 a_{21}^8 + 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 +$$

$$56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - a_{11}^8 a_{22}^8 > 0$$

pot #26:

symbol a_{12} : $(-0.0, inf)$

symbol c_1 : $(-inf, 0.0)$

symbol c_2 : $(-0.0, inf)$

symbol a_{11} : $(-inf, 0.0)$

symbol a_{22} : $(-inf, 0.0)$

symbol b_1 : $[-0.0, inf)$

symbol b_2 : -0.0

symbol a_{21} : $(-0.0, inf)$

$$-c_2 a_{21} + c_1 a_{22} > 0$$

$$a_{12} a_{21} - a_{11} a_{22} > 0$$

$$c_1 a_{12} - c_2 a_{11} > 0$$

$$-a_{12}^3 a_{21}^3 + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 \geq 0$$

$$-a_{12}^2 a_{21}^2 + 2.00 \cdot a_{12} a_{11} a_{22} a_{21} - a_{11}^2 a_{22}^2 > 0$$

$$c_1 a_{12}^2 a_{21} - a_{12} c_2 a_{11} a_{21} - c_1 a_{12} a_{11} a_{22} + c_2 a_{11}^2 a_{22} \geq 0$$

$$a_{12}^3 a_{21}^3 - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 > 0$$

$$-a_{12}^3 a_{21}^3 + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 > 0$$

$$a_{12}^8 a_{21}^8 - 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 -$$

$$56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + a_{11}^8 a_{22}^8 \geq 0$$

$$-a_{12}^8 a_{21}^8 + 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 +$$

$$56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - a_{11}^8 a_{22}^8 > 0$$

pot #27:

symbol a_{12} : $(-0.0, inf)$

symbol $c_1 : (-inf, 0.0)$
symbol $c_2 : (-0.0, inf)$
symbol $a_{11} : (-inf, 0.0)$
symbol $a_{22} : (-inf, 0.0)$
symbol $b_1 : [-0.0, inf)$
symbol $b_2 : -0.0$
symbol $a_{21} : (-0.0, inf)$
 $-c_2 a_{21} + c_1 a_{22} > 0$
 $a_{12} a_{21} - a_{11} a_{22} > 0$
 $c_1 a_{12} - c_2 a_{11} > 0$
 $-a_{12}^3 a_{21}^3 + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 \geq 0$
 $-a_{12}^2 a_{21}^2 + 2.00 \cdot a_{12} a_{11} a_{22} a_{21} - a_{11}^2 a_{22}^2 > 0$
 $c_1 a_{12}^2 a_{21} - a_{12} c_2 a_{11} a_{21} - c_1 a_{12} a_{11} a_{22} + c_2 a_{11}^2 a_{22} \geq 0$
 $a_{12}^3 a_{21}^3 - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 > 0$
 $-a_{12}^3 a_{21}^3 + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 > 0$
 $-a_{12}^8 a_{21}^8 + 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 +$
 $56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - a_{11}^8 a_{22}^8 \geq 0$
 $a_{12}^8 a_{21}^8 - 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 -$
 $56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + a_{11}^8 a_{22}^8 > 0$
pot #28:
symbol $a_{12} : (-0.0, inf)$
symbol $c_1 : (-inf, 0.0)$
symbol $c_2 : (-0.0, inf)$
symbol $a_{11} : (-inf, 0.0)$
symbol $a_{22} : (-inf, 0.0)$
symbol $b_1 : [-0.0, inf)$
symbol $b_2 : [-0.0, inf)$
symbol $a_{21} : (-0.0, inf)$
 $-c_2 a_{21} + c_1 a_{22} > 0$
 $a_{12} a_{21} - a_{11} a_{22} > 0$
 $c_1 a_{12} - c_2 a_{11} > 0$
 $-a_{12}^3 a_{21}^3 + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 \geq 0$
 $-a_{12}^2 a_{21}^2 + 2.00 \cdot a_{12} a_{11} a_{22} a_{21} - a_{11}^2 a_{22}^2 > 0$
 $c_1 a_{12}^2 a_{21} - a_{12} c_2 a_{11} a_{21} - c_1 a_{12} a_{11} a_{22} + c_2 a_{11}^2 a_{22} \geq 0$
 $-a_{12}^3 a_{21}^3 + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 > 0$
 $a_{12}^3 a_{21}^3 - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 > 0$
 $a_{12}^8 a_{21}^8 - 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 -$
 $56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + a_{11}^8 a_{22}^8 \geq 0$
 $a_{12}^8 a_{21}^8 - 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 -$
 $56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + a_{11}^8 a_{22}^8 > 0$
pot #29:
symbol $a_{12} : (-0.0, inf)$
symbol $c_1 : (-inf, 0.0)$
symbol $c_2 : (-0.0, inf)$
symbol $a_{11} : (-inf, 0.0)$
symbol $a_{22} : (-inf, 0.0)$
symbol $b_1 : [-0.0, inf)$
symbol $b_2 : [-0.0, inf)$
symbol $a_{21} : (-0.0, inf)$
 $-c_2 a_{21} + c_1 a_{22} > 0$

$$a_{12}a_{21} - a_{11}a_{22} > 0$$

$$c_1a_{12} - c_2a_{11} > 0$$

$$-a_{12}^3a_{21}^3 + 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 - 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} + a_{11}^3a_{22}^3 \geq 0$$

$$-a_{12}^2a_{21}^2 + 2.00 \cdot a_{12}a_{11}a_{22}a_{21} - a_{11}^2a_{22}^2 > 0$$

$$c_1a_{12}^2a_{21} - a_{12}c_2a_{11}a_{21} - c_1a_{12}a_{11}a_{22} + c_2a_{11}^2a_{22} \geq 0$$

$$-a_{12}^3a_{21}^3 + 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 - 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} + a_{11}^3a_{22}^3 > 0$$

$$a_{12}^3a_{21}^3 - 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 + 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} - a_{11}^3a_{22}^3 > 0$$

$$-a_{12}^8a_{21}^8 + 8.00 \cdot a_{12}^7a_{11}a_{22}a_{21}^7 - 28.00 \cdot a_{12}^6a_{11}^2a_{22}^2a_{21}^6 + 56.00 \cdot a_{12}^5a_{11}^3a_{22}^3a_{21}^5 - 70.00 \cdot a_{12}^4a_{11}^4a_{22}^4a_{21}^4 + 56.00 \cdot a_{12}^3a_{11}^5a_{22}^5a_{21}^3 - 28.00 \cdot a_{12}^2a_{11}^6a_{22}^6a_{21}^2 + 8.00 \cdot a_{12}a_{11}^7a_{22}^7a_{21} - a_{11}^8a_{22}^8 \geq 0$$

$$-a_{12}^8a_{21}^8 + 8.00 \cdot a_{12}^7a_{11}a_{22}a_{21}^7 - 28.00 \cdot a_{12}^6a_{11}^2a_{22}^2a_{21}^6 + 56.00 \cdot a_{12}^5a_{11}^3a_{22}^3a_{21}^5 - 70.00 \cdot a_{12}^4a_{11}^4a_{22}^4a_{21}^4 + 56.00 \cdot a_{12}^3a_{11}^5a_{22}^5a_{21}^3 - 28.00 \cdot a_{12}^2a_{11}^6a_{22}^6a_{21}^2 + 8.00 \cdot a_{12}a_{11}^7a_{22}^7a_{21} - a_{11}^8a_{22}^8 > 0$$

pot #30:

symbol $a_{12} : (-0.0, inf)$

symbol $c_1 : (-inf, 0.0)$

symbol $c_2 : (-0.0, inf)$

symbol $a_{11} : (-inf, 0.0)$

symbol $a_{22} : (-inf, 0.0)$

symbol $b_1 : [-0.0, inf)$

symbol $b_2 : -0.0$

symbol $a_{21} : (-0.0, inf)$

$$-c_2a_{21} + c_1a_{22} > 0$$

$$a_{12}a_{21} - a_{11}a_{22} > 0$$

$$c_1a_{12} - c_2a_{11} > 0$$

$$-a_{12}^3a_{21}^3 + 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 - 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} + a_{11}^3a_{22}^3 \geq 0$$

$$-a_{12}^2a_{21}^2 + 2.00 \cdot a_{12}a_{11}a_{22}a_{21} - a_{11}^2a_{22}^2 > 0$$

$$c_1a_{12}^2a_{21} - a_{12}c_2a_{11}a_{21} - c_1a_{12}a_{11}a_{22} + c_2a_{11}^2a_{22} \geq 0$$

$$-a_{12}^3a_{21}^3 + 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 - 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} + a_{11}^3a_{22}^3 > 0$$

$$a_{12}^3a_{21}^3 - 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 + 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} - a_{11}^3a_{22}^3 > 0$$

$$a_{12}^8a_{21}^8 - 8.00 \cdot a_{12}^7a_{11}a_{22}a_{21}^7 + 28.00 \cdot a_{12}^6a_{11}^2a_{22}^2a_{21}^6 - 56.00 \cdot a_{12}^5a_{11}^3a_{22}^3a_{21}^5 + 70.00 \cdot a_{12}^4a_{11}^4a_{22}^4a_{21}^4 - 56.00 \cdot a_{12}^3a_{11}^5a_{22}^5a_{21}^3 + 28.00 \cdot a_{12}^2a_{11}^6a_{22}^6a_{21}^2 - 8.00 \cdot a_{12}a_{11}^7a_{22}^7a_{21} + a_{11}^8a_{22}^8 \geq 0$$

$$-a_{12}^8a_{21}^8 + 8.00 \cdot a_{12}^7a_{11}a_{22}a_{21}^7 - 28.00 \cdot a_{12}^6a_{11}^2a_{22}^2a_{21}^6 + 56.00 \cdot a_{12}^5a_{11}^3a_{22}^3a_{21}^5 - 70.00 \cdot a_{12}^4a_{11}^4a_{22}^4a_{21}^4 + 56.00 \cdot a_{12}^3a_{11}^5a_{22}^5a_{21}^3 - 28.00 \cdot a_{12}^2a_{11}^6a_{22}^6a_{21}^2 + 8.00 \cdot a_{12}a_{11}^7a_{22}^7a_{21} - a_{11}^8a_{22}^8 > 0$$

pot #31:

symbol $a_{12} : (-0.0, inf)$

symbol $c_1 : (-inf, 0.0)$

symbol $c_2 : (-0.0, inf)$

symbol $a_{11} : (-inf, 0.0)$

symbol $a_{22} : (-inf, 0.0)$

symbol $b_1 : [-0.0, inf)$

symbol $b_2 : -0.0$

symbol $a_{21} : (-0.0, inf)$

$$-c_2a_{21} + c_1a_{22} > 0$$

$$a_{12}a_{21} - a_{11}a_{22} > 0$$

$$c_1a_{12} - c_2a_{11} > 0$$

$$-a_{12}^3a_{21}^3 + 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 - 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} + a_{11}^3a_{22}^3 \geq 0$$

$$-a_{12}^2a_{21}^2 + 2.00 \cdot a_{12}a_{11}a_{22}a_{21} - a_{11}^2a_{22}^2 > 0$$

$$c_1a_{12}^2a_{21} - a_{12}c_2a_{11}a_{21} - c_1a_{12}a_{11}a_{22} + c_2a_{11}^2a_{22} \geq 0$$

$$-a_{12}^3a_{21}^3 + 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 - 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} + a_{11}^3a_{22}^3 > 0$$

$$a_{12}^3a_{21}^3 - 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 + 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} - a_{11}^3a_{22}^3 > 0$$

$$-a_{12}^8a_{21}^8 + 8.00 \cdot a_{12}^7a_{11}a_{22}a_{21}^7 - 28.00 \cdot a_{12}^6a_{11}^2a_{22}^2a_{21}^6 + 56.00 \cdot a_{12}^5a_{11}^3a_{22}^3a_{21}^5 - 70.00 \cdot a_{12}^4a_{11}^4a_{22}^4a_{21}^4 +$$

$$\begin{aligned}
& 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - a_{11}^8 a_{22}^8 \geq 0 \\
& a_{12}^8 a_{21}^8 - 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 - \\
& 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + a_{11}^8 a_{22}^8 > 0
\end{aligned}$$

pot #32:

symbol a_{12} : $(-0.0, inf)$

symbol c_1 : $(-inf, 0.0)$

symbol c_2 : $(-0.0, inf)$

symbol a_{11} : $(-inf, 0.0)$

symbol a_{22} : $(-inf, 0.0)$

symbol b_1 : $[-0.0, inf)$

symbol b_2 : $[-0.0, inf)$

symbol a_{21} : $(-0.0, inf)$

$$-c_2 a_{21} + c_1 a_{22} > 0$$

$$a_{12} a_{21} - a_{11} a_{22} > 0$$

$$c_1 a_{12} - c_2 a_{11} > 0$$

$$-a_{12}^3 a_{21}^3 + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 \geq 0$$

$$-a_{12}^2 a_{21}^2 + 2.00 \cdot a_{12} a_{11} a_{22} a_{21} - a_{11}^2 a_{22}^2 > 0$$

$$c_1 a_{12}^2 a_{21} - a_{12} c_2 a_{11} a_{21} - c_1 a_{12} a_{11} a_{22} + c_2 a_{11}^2 a_{22} \geq 0$$

$$-a_{12}^3 a_{21}^3 + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 > 0$$

$$a_{12}^8 a_{21}^8 - 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 -$$

$$56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + a_{11}^8 a_{22}^8 \geq 0$$

$$a_{12}^8 a_{21}^8 - 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 -$$

$$56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + a_{11}^8 a_{22}^8 > 0$$

pot #33:

symbol a_{12} : $(-0.0, inf)$

symbol c_1 : $(-inf, 0.0)$

symbol c_2 : $(-0.0, inf)$

symbol a_{11} : $(-inf, 0.0)$

symbol a_{22} : $(-inf, 0.0)$

symbol b_1 : $[-0.0, inf)$

symbol b_2 : $[-0.0, inf)$

symbol a_{21} : $(-0.0, inf)$

$$-c_2 a_{21} + c_1 a_{22} > 0$$

$$a_{12} a_{21} - a_{11} a_{22} > 0$$

$$c_1 a_{12} - c_2 a_{11} > 0$$

$$-a_{12}^3 a_{21}^3 + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 \geq 0$$

$$-a_{12}^2 a_{21}^2 + 2.00 \cdot a_{12} a_{11} a_{22} a_{21} - a_{11}^2 a_{22}^2 > 0$$

$$c_1 a_{12}^2 a_{21} - a_{12} c_2 a_{11} a_{21} - c_1 a_{12} a_{11} a_{22} + c_2 a_{11}^2 a_{22} \geq 0$$

$$-a_{12}^3 a_{21}^3 + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 > 0$$

$$-a_{12}^8 a_{21}^8 + 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 +$$

$$56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - a_{11}^8 a_{22}^8 \geq 0$$

$$-a_{12}^8 a_{21}^8 + 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 +$$

$$56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - a_{11}^8 a_{22}^8 > 0$$

pot #34:

symbol a_{12} : $(-0.0, inf)$

symbol c_1 : $(-inf, 0.0)$

symbol c_2 : $(-0.0, inf)$

symbol a_{11} : $(-inf, 0.0)$

symbol a_{22} : $(-inf, 0.0)$

symbol b_1 : $[-0.0, inf)$

symbol $b_2 : -0.0$

symbol $a_{21} : (-0.0, inf)$

$$-c_2 a_{21} + c_1 a_{22} > 0$$

$$a_{12} a_{21} - a_{11} a_{22} > 0$$

$$c_1 a_{12} - c_2 a_{11} > 0$$

$$-a_{12}^3 a_{21}^3 + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 \geq 0$$

$$-a_{12}^2 a_{21}^2 + 2.00 \cdot a_{12} a_{11} a_{22} a_{21} - a_{11}^2 a_{22}^2 > 0$$

$$c_1 a_{12}^2 a_{21} - a_{12} c_2 a_{11} a_{21} - c_1 a_{12} a_{11} a_{22} + c_2 a_{11}^2 a_{22} \geq 0$$

$$-a_{12}^3 a_{21}^3 + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 > 0$$

$$a_{12}^8 a_{21}^8 - 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 - 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + a_{11}^8 a_{22}^8 \geq 0$$

$$-a_{12}^8 a_{21}^8 + 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 + 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - a_{11}^8 a_{22}^8 > 0$$

pot #35:

symbol $a_{12} : (-0.0, inf)$

symbol $c_1 : (-inf, 0.0)$

symbol $c_2 : (-0.0, inf)$

symbol $a_{11} : (-inf, 0.0)$

symbol $a_{22} : (-inf, 0.0)$

symbol $b_1 : [-0.0, inf)$

symbol $b_2 : -0.0$

symbol $a_{21} : (-0.0, inf)$

$$-c_2 a_{21} + c_1 a_{22} > 0$$

$$a_{12} a_{21} - a_{11} a_{22} > 0$$

$$c_1 a_{12} - c_2 a_{11} > 0$$

$$-a_{12}^3 a_{21}^3 + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 \geq 0$$

$$-a_{12}^2 a_{21}^2 + 2.00 \cdot a_{12} a_{11} a_{22} a_{21} - a_{11}^2 a_{22}^2 > 0$$

$$c_1 a_{12}^2 a_{21} - a_{12} c_2 a_{11} a_{21} - c_1 a_{12} a_{11} a_{22} + c_2 a_{11}^2 a_{22} \geq 0$$

$$-a_{12}^3 a_{21}^3 + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 > 0$$

$$-a_{12}^8 a_{21}^8 + 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 + 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - a_{11}^8 a_{22}^8 \geq 0$$

$$a_{12}^8 a_{21}^8 - 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 - 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + a_{11}^8 a_{22}^8 > 0$$

pot #36:

symbol $a_{12} : (-0.0, inf)$

symbol $c_1 : (-inf, 0.0)$

symbol $c_2 : (-0.0, inf)$

symbol $a_{11} : (-inf, 0.0)$

symbol $a_{22} : (-inf, 0.0)$

symbol $b_1 : -0.0$

symbol $b_2 : [-0.0, inf)$

symbol $a_{21} : (-0.0, inf)$

$$-c_2 a_{21} + c_1 a_{22} > 0$$

$$a_{12} a_{21} - a_{11} a_{22} > 0$$

$$c_1 a_{12} - c_2 a_{11} > 0$$

$$a_{12}^3 a_{21}^3 - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 \geq 0$$

$$-a_{12}^2 a_{21}^2 + 2.00 \cdot a_{12} a_{11} a_{22} a_{21} - a_{11}^2 a_{22}^2 > 0$$

$$c_1 a_{12}^2 a_{21} - a_{12} c_2 a_{11} a_{21} - c_1 a_{12} a_{11} a_{22} + c_2 a_{11}^2 a_{22} \geq 0$$

$$a_{12}^3 a_{21}^3 - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 > 0$$

$$a_{12}^8 a_{21}^8 - 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 -$$

$$\begin{aligned}
& 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + a_{11}^8 a_{22}^8 \geq 0 \\
& a_{12}^8 a_{21}^8 - 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 - \\
& 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + a_{11}^8 a_{22}^8 > 0
\end{aligned}$$

pot #37:

symbol a_{12} : $(-0.0, inf)$

symbol c_1 : $(-inf, 0.0)$

symbol c_2 : $(-0.0, inf)$

symbol a_{11} : $(-inf, 0.0)$

symbol a_{22} : $(-inf, 0.0)$

symbol b_1 : -0.0

symbol b_2 : $[-0.0, inf)$

symbol a_{21} : $(-0.0, inf)$

$$-c_2 a_{21} + c_1 a_{22} > 0$$

$$a_{12} a_{21} - a_{11} a_{22} > 0$$

$$c_1 a_{12} - c_2 a_{11} > 0$$

$$a_{12}^3 a_{21}^3 - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 \geq 0$$

$$-a_{12}^2 a_{21}^2 + 2.00 \cdot a_{12} a_{11} a_{22} a_{21} - a_{11}^2 a_{22}^2 > 0$$

$$c_1 a_{12}^2 a_{21} - a_{12} c_2 a_{11} a_{21} - c_1 a_{12} a_{11} a_{22} + c_2 a_{11}^2 a_{22} \geq 0$$

$$a_{12}^3 a_{21}^3 - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 > 0$$

$$-a_{12}^8 a_{21}^8 + 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 +$$

$$56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - a_{11}^8 a_{22}^8 \geq 0$$

$$-a_{12}^8 a_{21}^8 + 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 +$$

$$56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - a_{11}^8 a_{22}^8 > 0$$

pot #38:

symbol a_{12} : $(-0.0, inf)$

symbol c_1 : $(-inf, 0.0)$

symbol c_2 : $(-0.0, inf)$

symbol a_{11} : $(-inf, 0.0)$

symbol a_{22} : $(-inf, 0.0)$

symbol b_1 : -0.0

symbol b_2 : -0.0

symbol a_{21} : $(-0.0, inf)$

$$-c_2 a_{21} + c_1 a_{22} > 0$$

$$a_{12} a_{21} - a_{11} a_{22} > 0$$

$$c_1 a_{12} - c_2 a_{11} > 0$$

$$a_{12}^3 a_{21}^3 - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 \geq 0$$

$$-a_{12}^2 a_{21}^2 + 2.00 \cdot a_{12} a_{11} a_{22} a_{21} - a_{11}^2 a_{22}^2 > 0$$

$$c_1 a_{12}^2 a_{21} - a_{12} c_2 a_{11} a_{21} - c_1 a_{12} a_{11} a_{22} + c_2 a_{11}^2 a_{22} \geq 0$$

$$a_{12}^3 a_{21}^3 - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 > 0$$

$$a_{12}^8 a_{21}^8 - 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 -$$

$$56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + a_{11}^8 a_{22}^8 \geq 0$$

$$-a_{12}^8 a_{21}^8 + 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 +$$

$$56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - a_{11}^8 a_{22}^8 > 0$$

pot #39:

symbol a_{12} : $(-0.0, inf)$

symbol c_1 : $(-inf, 0.0)$

symbol c_2 : $(-0.0, inf)$

symbol a_{11} : $(-inf, 0.0)$

symbol a_{22} : $(-inf, 0.0)$

symbol b_1 : -0.0

symbol $b_2 : -0.0$

symbol $a_{21} : (-0.0, inf)$

$$-c_2 a_{21} + c_1 a_{22} > 0$$

$$a_{12} a_{21} - a_{11} a_{22} > 0$$

$$c_1 a_{12} - c_2 a_{11} > 0$$

$$a_{12}^3 a_{21}^3 - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 \geq 0$$

$$-a_{12}^2 a_{21}^2 + 2.00 \cdot a_{12} a_{11} a_{22} a_{21} - a_{11}^2 a_{22}^2 > 0$$

$$c_1 a_{12}^2 a_{21} - a_{12} c_2 a_{11} a_{21} - c_1 a_{12} a_{11} a_{22} + c_2 a_{11}^2 a_{22} \geq 0$$

$$a_{12}^3 a_{21}^3 - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 > 0$$

$$-a_{12}^8 a_{21}^8 + 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 +$$

$$56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - a_{11}^8 a_{22}^8 \geq 0$$

$$a_{12}^8 a_{21}^8 - 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 -$$

$$56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + a_{11}^8 a_{22}^8 > 0$$

pot #40:

symbol $a_{12} : (-0.0, inf)$

symbol $c_1 : (-inf, 0.0)$

symbol $c_2 : (-0.0, inf)$

symbol $a_{11} : (-inf, 0.0)$

symbol $a_{22} : (-inf, 0.0)$

symbol $b_1 : -0.0$

symbol $b_2 : [-0.0, inf)$

symbol $a_{21} : (-0.0, inf)$

$$-c_2 a_{21} + c_1 a_{22} > 0$$

$$a_{12} a_{21} - a_{11} a_{22} > 0$$

$$c_1 a_{12} - c_2 a_{11} > 0$$

$$a_{12}^3 a_{21}^3 - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 \geq 0$$

$$-a_{12}^2 a_{21}^2 + 2.00 \cdot a_{12} a_{11} a_{22} a_{21} - a_{11}^2 a_{22}^2 > 0$$

$$c_1 a_{12}^2 a_{21} - a_{12} c_2 a_{11} a_{21} - c_1 a_{12} a_{11} a_{22} + c_2 a_{11}^2 a_{22} \geq 0$$

$$a_{12}^3 a_{21}^3 - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 > 0$$

$$-a_{12}^3 a_{21}^3 + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 > 0$$

$$a_{12}^8 a_{21}^8 - 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 -$$

$$56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + a_{11}^8 a_{22}^8 \geq 0$$

$$a_{12}^8 a_{21}^8 - 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 -$$

$$56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + a_{11}^8 a_{22}^8 > 0$$

pot #41:

symbol $a_{12} : (-0.0, inf)$

symbol $c_1 : (-inf, 0.0)$

symbol $c_2 : (-0.0, inf)$

symbol $a_{11} : (-inf, 0.0)$

symbol $a_{22} : (-inf, 0.0)$

symbol $b_1 : -0.0$

symbol $b_2 : [-0.0, inf)$

symbol $a_{21} : (-0.0, inf)$

$$-c_2 a_{21} + c_1 a_{22} > 0$$

$$a_{12} a_{21} - a_{11} a_{22} > 0$$

$$c_1 a_{12} - c_2 a_{11} > 0$$

$$a_{12}^3 a_{21}^3 - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 \geq 0$$

$$-a_{12}^2 a_{21}^2 + 2.00 \cdot a_{12} a_{11} a_{22} a_{21} - a_{11}^2 a_{22}^2 > 0$$

$$c_1 a_{12}^2 a_{21} - a_{12} c_2 a_{11} a_{21} - c_1 a_{12} a_{11} a_{22} + c_2 a_{11}^2 a_{22} \geq 0$$

$$a_{12}^3 a_{21}^3 - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 > 0$$

$$\begin{aligned}
& -a_{12}^3 a_{21}^3 + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 > 0 \\
& -a_{12}^8 a_{21}^8 + 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 + \\
& 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - a_{11}^8 a_{22}^8 \geq 0 \\
& -a_{12}^8 a_{21}^8 + 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 + \\
& 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - a_{11}^8 a_{22}^8 > 0
\end{aligned}$$

pot #42:

symbol a_{12} : $(-0.0, inf)$

symbol c_1 : $(-inf, 0.0)$

symbol c_2 : $(-0.0, inf)$

symbol a_{11} : $(-inf, 0.0)$

symbol a_{22} : $(-inf, 0.0)$

symbol b_1 : -0.0

symbol b_2 : -0.0

symbol a_{21} : $(-0.0, inf)$

$$-c_2 a_{21} + c_1 a_{22} > 0$$

$$a_{12} a_{21} - a_{11} a_{22} > 0$$

$$c_1 a_{12} - c_2 a_{11} > 0$$

$$a_{12}^3 a_{21}^3 - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 \geq 0$$

$$-a_{12}^2 a_{21}^2 + 2.00 \cdot a_{12} a_{11} a_{22} a_{21} - a_{11}^2 a_{22}^2 > 0$$

$$c_1 a_{12}^2 a_{21} - a_{12} c_2 a_{11} a_{21} - c_1 a_{12} a_{11} a_{22} + c_2 a_{11}^2 a_{22} \geq 0$$

$$a_{12}^3 a_{21}^3 - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 > 0$$

$$-a_{12}^3 a_{21}^3 + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 > 0$$

$$\begin{aligned}
& a_{12}^8 a_{21}^8 - 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 - \\
& 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + a_{11}^8 a_{22}^8 \geq 0
\end{aligned}$$

$$\begin{aligned}
& -a_{12}^8 a_{21}^8 + 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 + \\
& 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - a_{11}^8 a_{22}^8 > 0
\end{aligned}$$

pot #43:

symbol a_{12} : $(-0.0, inf)$

symbol c_1 : $(-inf, 0.0)$

symbol c_2 : $(-0.0, inf)$

symbol a_{11} : $(-inf, 0.0)$

symbol a_{22} : $(-inf, 0.0)$

symbol b_1 : -0.0

symbol b_2 : -0.0

symbol a_{21} : $(-0.0, inf)$

$$-c_2 a_{21} + c_1 a_{22} > 0$$

$$a_{12} a_{21} - a_{11} a_{22} > 0$$

$$c_1 a_{12} - c_2 a_{11} > 0$$

$$a_{12}^3 a_{21}^3 - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 \geq 0$$

$$-a_{12}^2 a_{21}^2 + 2.00 \cdot a_{12} a_{11} a_{22} a_{21} - a_{11}^2 a_{22}^2 > 0$$

$$c_1 a_{12}^2 a_{21} - a_{12} c_2 a_{11} a_{21} - c_1 a_{12} a_{11} a_{22} + c_2 a_{11}^2 a_{22} \geq 0$$

$$a_{12}^3 a_{21}^3 - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 > 0$$

$$-a_{12}^3 a_{21}^3 + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 > 0$$

$$\begin{aligned}
& -a_{12}^8 a_{21}^8 + 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 + \\
& 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - a_{11}^8 a_{22}^8 \geq 0
\end{aligned}$$

$$\begin{aligned}
& a_{12}^8 a_{21}^8 - 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 - \\
& 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + a_{11}^8 a_{22}^8 > 0
\end{aligned}$$

pot #44:

symbol a_{12} : $(-0.0, inf)$

symbol c_1 : $(-inf, 0.0)$

symbol $c_2 : (-0.0, inf)$
symbol $a_{11} : (-inf, 0.0)$
symbol $a_{22} : (-inf, 0.0)$
symbol $b_1 : -0.0$
symbol $b_2 : [-0.0, inf)$
symbol $a_{21} : (-0.0, inf)$
 $-c_2 a_{21} + c_1 a_{22} > 0$
 $a_{12} a_{21} - a_{11} a_{22} > 0$
 $c_1 a_{12} - c_2 a_{11} > 0$
 $a_{12}^3 a_{21}^3 - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 \geq 0$
 $-a_{12}^2 a_{21}^2 + 2.00 \cdot a_{12} a_{11} a_{22} a_{21} - a_{11}^2 a_{22}^2 > 0$
 $c_1 a_{12}^2 a_{21} - a_{12} c_2 a_{11} a_{21} - c_1 a_{12} a_{11} a_{22} + c_2 a_{11}^2 a_{22} \geq 0$
 $-a_{12}^3 a_{21}^3 + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 > 0$
 $a_{12}^3 a_{21}^3 - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 > 0$
 $a_{12}^8 a_{21}^8 - 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 -$
 $56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + a_{11}^8 a_{22}^8 \geq 0$
 $a_{12}^8 a_{21}^8 - 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 -$
 $56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + a_{11}^8 a_{22}^8 > 0$
pot #45:
symbol $a_{12} : (-0.0, inf)$
symbol $c_1 : (-inf, 0.0)$
symbol $c_2 : (-0.0, inf)$
symbol $a_{11} : (-inf, 0.0)$
symbol $a_{22} : (-inf, 0.0)$
symbol $b_1 : -0.0$
symbol $b_2 : [-0.0, inf)$
symbol $a_{21} : (-0.0, inf)$
 $-c_2 a_{21} + c_1 a_{22} > 0$
 $a_{12} a_{21} - a_{11} a_{22} > 0$
 $c_1 a_{12} - c_2 a_{11} > 0$
 $a_{12}^3 a_{21}^3 - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 \geq 0$
 $-a_{12}^2 a_{21}^2 + 2.00 \cdot a_{12} a_{11} a_{22} a_{21} - a_{11}^2 a_{22}^2 > 0$
 $c_1 a_{12}^2 a_{21} - a_{12} c_2 a_{11} a_{21} - c_1 a_{12} a_{11} a_{22} + c_2 a_{11}^2 a_{22} \geq 0$
 $-a_{12}^3 a_{21}^3 + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 > 0$
 $a_{12}^3 a_{21}^3 - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 > 0$
 $-a_{12}^8 a_{21}^8 + 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 +$
 $56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - a_{11}^8 a_{22}^8 \geq 0$
 $-a_{12}^8 a_{21}^8 + 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 +$
 $56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - a_{11}^8 a_{22}^8 > 0$
pot #46:
symbol $a_{12} : (-0.0, inf)$
symbol $c_1 : (-inf, 0.0)$
symbol $c_2 : (-0.0, inf)$
symbol $a_{11} : (-inf, 0.0)$
symbol $a_{22} : (-inf, 0.0)$
symbol $b_1 : -0.0$
symbol $b_2 : -0.0$
symbol $a_{21} : (-0.0, inf)$
 $-c_2 a_{21} + c_1 a_{22} > 0$
 $a_{12} a_{21} - a_{11} a_{22} > 0$

$$56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + a_{11}^8 a_{22}^8 > 0$$

pot #49:

symbol a_{12} : $(-0.0, inf)$

symbol c_1 : $(-inf, 0.0)$

symbol c_2 : $(-0.0, inf)$

symbol a_{11} : $(-inf, 0.0)$

symbol a_{22} : $(-inf, 0.0)$

symbol b_1 : -0.0

symbol b_2 : $[-0.0, inf)$

symbol a_{21} : $(-0.0, inf)$

$$-c_2 a_{21} + c_1 a_{22} > 0$$

$$a_{12} a_{21} - a_{11} a_{22} > 0$$

$$c_1 a_{12} - c_2 a_{11} > 0$$

$$a_{12}^3 a_{21}^3 - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 \geq 0$$

$$-a_{12}^2 a_{21}^2 + 2.00 \cdot a_{12} a_{11} a_{22} a_{21} - a_{11}^2 a_{22}^2 > 0$$

$$c_1 a_{12}^2 a_{21} - a_{12} c_2 a_{11} a_{21} - c_1 a_{12} a_{11} a_{22} + c_2 a_{11}^2 a_{22} \geq 0$$

$$-a_{12}^3 a_{21}^3 + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 > 0$$

$$-a_{12}^8 a_{21}^8 + 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 +$$

$$56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - a_{11}^8 a_{22}^8 \geq 0$$

$$-a_{12}^8 a_{21}^8 + 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 +$$

$$56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - a_{11}^8 a_{22}^8 > 0$$

pot #50:

symbol a_{12} : $(-0.0, inf)$

symbol c_1 : $(-inf, 0.0)$

symbol c_2 : $(-0.0, inf)$

symbol a_{11} : $(-inf, 0.0)$

symbol a_{22} : $(-inf, 0.0)$

symbol b_1 : -0.0

symbol b_2 : -0.0

symbol a_{21} : $(-0.0, inf)$

$$-c_2 a_{21} + c_1 a_{22} > 0$$

$$a_{12} a_{21} - a_{11} a_{22} > 0$$

$$c_1 a_{12} - c_2 a_{11} > 0$$

$$a_{12}^3 a_{21}^3 - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 \geq 0$$

$$-a_{12}^2 a_{21}^2 + 2.00 \cdot a_{12} a_{11} a_{22} a_{21} - a_{11}^2 a_{22}^2 > 0$$

$$c_1 a_{12}^2 a_{21} - a_{12} c_2 a_{11} a_{21} - c_1 a_{12} a_{11} a_{22} + c_2 a_{11}^2 a_{22} \geq 0$$

$$-a_{12}^3 a_{21}^3 + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 > 0$$

$$a_{12}^8 a_{21}^8 - 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 -$$

$$56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + a_{11}^8 a_{22}^8 \geq 0$$

$$-a_{12}^8 a_{21}^8 + 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 +$$

$$56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - a_{11}^8 a_{22}^8 > 0$$

pot #51:

symbol a_{12} : $(-0.0, inf)$

symbol c_1 : $(-inf, 0.0)$

symbol c_2 : $(-0.0, inf)$

symbol a_{11} : $(-inf, 0.0)$

symbol a_{22} : $(-inf, 0.0)$

symbol b_1 : -0.0

symbol b_2 : -0.0

symbol a_{21} : $(-0.0, inf)$

$$56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - a_{11}^8 a_{22}^8 > 0$$

pot #54:

symbol a_{12} : $(-0.0, inf)$

symbol c_1 : $(-inf, 0.0)$

symbol c_2 : $(-0.0, inf)$

symbol a_{11} : $(-inf, 0.0)$

symbol a_{22} : $(-inf, 0.0)$

symbol b_1 : -0.0

symbol b_2 : -0.0

symbol a_{21} : $(-0.0, inf)$

$$-c_2 a_{21} + c_1 a_{22} > 0$$

$$a_{12} a_{21} - a_{11} a_{22} > 0$$

$$c_1 a_{12} - c_2 a_{11} > 0$$

$$-a_{12}^3 a_{21}^3 + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 \geq 0$$

$$a_{12}^2 a_{21}^2 - 2.00 \cdot a_{12} a_{11} a_{22} a_{21} + a_{11}^2 a_{22}^2 > 0$$

$$c_1 a_{12}^2 a_{21} - a_{12} c_2 a_{11} a_{21} - c_1 a_{12} a_{11} a_{22} + c_2 a_{11}^2 a_{22} \geq 0$$

$$a_{12}^3 a_{21}^3 - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 > 0$$

$$a_{12}^8 a_{21}^8 - 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 -$$

$$56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + a_{11}^8 a_{22}^8 \geq 0$$

$$-a_{12}^8 a_{21}^8 + 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 +$$

$$56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - a_{11}^8 a_{22}^8 > 0$$

pot #55:

symbol a_{12} : $(-0.0, inf)$

symbol c_1 : $(-inf, 0.0)$

symbol c_2 : $(-0.0, inf)$

symbol a_{11} : $(-inf, 0.0)$

symbol a_{22} : $(-inf, 0.0)$

symbol b_1 : -0.0

symbol b_2 : -0.0

symbol a_{21} : $(-0.0, inf)$

$$-c_2 a_{21} + c_1 a_{22} > 0$$

$$a_{12} a_{21} - a_{11} a_{22} > 0$$

$$c_1 a_{12} - c_2 a_{11} > 0$$

$$-a_{12}^3 a_{21}^3 + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 \geq 0$$

$$a_{12}^2 a_{21}^2 - 2.00 \cdot a_{12} a_{11} a_{22} a_{21} + a_{11}^2 a_{22}^2 > 0$$

$$c_1 a_{12}^2 a_{21} - a_{12} c_2 a_{11} a_{21} - c_1 a_{12} a_{11} a_{22} + c_2 a_{11}^2 a_{22} \geq 0$$

$$a_{12}^3 a_{21}^3 - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 > 0$$

$$-a_{12}^8 a_{21}^8 + 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 +$$

$$56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - a_{11}^8 a_{22}^8 \geq 0$$

$$a_{12}^8 a_{21}^8 - 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 -$$

$$56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + a_{11}^8 a_{22}^8 > 0$$

pot #56:

symbol a_{12} : $(-0.0, inf)$

symbol c_1 : $(-inf, 0.0)$

symbol c_2 : $(-0.0, inf)$

symbol a_{11} : $(-inf, 0.0)$

symbol a_{22} : $(-inf, 0.0)$

symbol b_1 : -0.0

symbol b_2 : $[-0.0, inf)$

symbol a_{21} : $(-0.0, inf)$

$$\begin{aligned}
& -c_2a_{21} + c_1a_{22} > 0 \\
& a_{12}a_{21} - a_{11}a_{22} > 0 \\
& c_1a_{12} - c_2a_{11} > 0 \\
& -a_{12}^3a_{21}^3 + 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 - 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} + a_{11}^3a_{22}^3 \geq 0 \\
& a_{12}^2a_{21}^2 - 2.00 \cdot a_{12}a_{11}a_{22}a_{21} + a_{11}^2a_{22}^2 > 0 \\
& c_1a_{12}^2a_{21} - a_{12}c_2a_{11}a_{21} - c_1a_{12}a_{11}a_{22} + c_2a_{11}^2a_{22} \geq 0 \\
& a_{12}^3a_{21}^3 - 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 + 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} - a_{11}^3a_{22}^3 > 0 \\
& -a_{12}^3a_{21}^3 + 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 - 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} + a_{11}^3a_{22}^3 > 0 \\
& a_{12}^8a_{21}^8 - 8.00 \cdot a_{12}^7a_{11}a_{22}a_{21}^7 + 28.00 \cdot a_{12}^6a_{11}^2a_{22}^2a_{21}^6 - 56.00 \cdot a_{12}^5a_{11}^3a_{22}^3a_{21}^5 + 70.00 \cdot a_{12}^4a_{11}^4a_{22}^4a_{21}^4 - \\
& 56.00 \cdot a_{12}^3a_{11}^5a_{22}^5a_{21}^3 + 28.00 \cdot a_{12}^2a_{11}^6a_{22}^6a_{21}^2 - 8.00 \cdot a_{12}a_{11}^7a_{22}^7a_{21} + a_{11}^8a_{22}^8 \geq 0 \\
& a_{12}^8a_{21}^8 - 8.00 \cdot a_{12}^7a_{11}a_{22}a_{21}^7 + 28.00 \cdot a_{12}^6a_{11}^2a_{22}^2a_{21}^6 - 56.00 \cdot a_{12}^5a_{11}^3a_{22}^3a_{21}^5 + 70.00 \cdot a_{12}^4a_{11}^4a_{22}^4a_{21}^4 - \\
& 56.00 \cdot a_{12}^3a_{11}^5a_{22}^5a_{21}^3 + 28.00 \cdot a_{12}^2a_{11}^6a_{22}^6a_{21}^2 - 8.00 \cdot a_{12}a_{11}^7a_{22}^7a_{21} + a_{11}^8a_{22}^8 > 0
\end{aligned}$$

pot #57:

symbol a_{12} : $(-0.0, inf)$

symbol c_1 : $(-inf, 0.0)$

symbol c_2 : $(-0.0, inf)$

symbol a_{11} : $(-inf, 0.0)$

symbol a_{22} : $(-inf, 0.0)$

symbol b_1 : -0.0

symbol b_2 : $[-0.0, inf)$

symbol a_{21} : $(-0.0, inf)$

$$-c_2a_{21} + c_1a_{22} > 0$$

$$a_{12}a_{21} - a_{11}a_{22} > 0$$

$$c_1a_{12} - c_2a_{11} > 0$$

$$-a_{12}^3a_{21}^3 + 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 - 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} + a_{11}^3a_{22}^3 \geq 0$$

$$a_{12}^2a_{21}^2 - 2.00 \cdot a_{12}a_{11}a_{22}a_{21} + a_{11}^2a_{22}^2 > 0$$

$$c_1a_{12}^2a_{21} - a_{12}c_2a_{11}a_{21} - c_1a_{12}a_{11}a_{22} + c_2a_{11}^2a_{22} \geq 0$$

$$a_{12}^3a_{21}^3 - 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 + 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} - a_{11}^3a_{22}^3 > 0$$

$$-a_{12}^3a_{21}^3 + 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 - 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} + a_{11}^3a_{22}^3 > 0$$

$$-a_{12}^8a_{21}^8 + 8.00 \cdot a_{12}^7a_{11}a_{22}a_{21}^7 - 28.00 \cdot a_{12}^6a_{11}^2a_{22}^2a_{21}^6 + 56.00 \cdot a_{12}^5a_{11}^3a_{22}^3a_{21}^5 - 70.00 \cdot a_{12}^4a_{11}^4a_{22}^4a_{21}^4 +$$

$$56.00 \cdot a_{12}^3a_{11}^5a_{22}^5a_{21}^3 - 28.00 \cdot a_{12}^2a_{11}^6a_{22}^6a_{21}^2 + 8.00 \cdot a_{12}a_{11}^7a_{22}^7a_{21} - a_{11}^8a_{22}^8 \geq 0$$

$$-a_{12}^8a_{21}^8 + 8.00 \cdot a_{12}^7a_{11}a_{22}a_{21}^7 - 28.00 \cdot a_{12}^6a_{11}^2a_{22}^2a_{21}^6 + 56.00 \cdot a_{12}^5a_{11}^3a_{22}^3a_{21}^5 - 70.00 \cdot a_{12}^4a_{11}^4a_{22}^4a_{21}^4 +$$

$$56.00 \cdot a_{12}^3a_{11}^5a_{22}^5a_{21}^3 - 28.00 \cdot a_{12}^2a_{11}^6a_{22}^6a_{21}^2 + 8.00 \cdot a_{12}a_{11}^7a_{22}^7a_{21} - a_{11}^8a_{22}^8 > 0$$

pot #58:

symbol a_{12} : $(-0.0, inf)$

symbol c_1 : $(-inf, 0.0)$

symbol c_2 : $(-0.0, inf)$

symbol a_{11} : $(-inf, 0.0)$

symbol a_{22} : $(-inf, 0.0)$

symbol b_1 : -0.0

symbol b_2 : -0.0

symbol a_{21} : $(-0.0, inf)$

$$-c_2a_{21} + c_1a_{22} > 0$$

$$a_{12}a_{21} - a_{11}a_{22} > 0$$

$$c_1a_{12} - c_2a_{11} > 0$$

$$-a_{12}^3a_{21}^3 + 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 - 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} + a_{11}^3a_{22}^3 \geq 0$$

$$a_{12}^2a_{21}^2 - 2.00 \cdot a_{12}a_{11}a_{22}a_{21} + a_{11}^2a_{22}^2 > 0$$

$$c_1a_{12}^2a_{21} - a_{12}c_2a_{11}a_{21} - c_1a_{12}a_{11}a_{22} + c_2a_{11}^2a_{22} \geq 0$$

$$a_{12}^3a_{21}^3 - 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 + 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} - a_{11}^3a_{22}^3 > 0$$

$$-a_{12}^3a_{21}^3 + 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 - 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} + a_{11}^3a_{22}^3 > 0$$

$$\begin{aligned}
& a_{12}^8 a_{21}^8 - 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 - \\
& 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + a_{11}^8 a_{22}^8 \geq 0 \\
& -a_{12}^8 a_{21}^8 + 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 + \\
& 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - a_{11}^8 a_{22}^8 > 0
\end{aligned}$$

pot #59:

symbol a_{12} : $(-0.0, inf)$

symbol c_1 : $(-inf, 0.0)$

symbol c_2 : $(-0.0, inf)$

symbol a_{11} : $(-inf, 0.0)$

symbol a_{22} : $(-inf, 0.0)$

symbol b_1 : -0.0

symbol b_2 : -0.0

symbol a_{21} : $(-0.0, inf)$

$$-c_2 a_{21} + c_1 a_{22} > 0$$

$$a_{12} a_{21} - a_{11} a_{22} > 0$$

$$c_1 a_{12} - c_2 a_{11} > 0$$

$$-a_{12}^3 a_{21}^3 + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 \geq 0$$

$$a_{12}^2 a_{21}^2 - 2.00 \cdot a_{12} a_{11} a_{22} a_{21} + a_{11}^2 a_{22}^2 > 0$$

$$c_1 a_{12}^2 a_{21} - a_{12} c_2 a_{11} a_{21} - c_1 a_{12} a_{11} a_{22} + c_2 a_{11}^2 a_{22} \geq 0$$

$$a_{12}^3 a_{21}^3 - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 > 0$$

$$-a_{12}^3 a_{21}^3 + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 > 0$$

$$-a_{12}^8 a_{21}^8 + 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 +$$

$$56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - a_{11}^8 a_{22}^8 \geq 0$$

$$a_{12}^8 a_{21}^8 - 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 -$$

$$56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + a_{11}^8 a_{22}^8 > 0$$

pot #60:

symbol a_{12} : $(-0.0, inf)$

symbol c_1 : $(-inf, 0.0)$

symbol c_2 : $(-0.0, inf)$

symbol a_{11} : $(-inf, 0.0)$

symbol a_{22} : $(-inf, 0.0)$

symbol b_1 : -0.0

symbol b_2 : $[-0.0, inf)$

symbol a_{21} : $(-0.0, inf)$

$$-c_2 a_{21} + c_1 a_{22} > 0$$

$$a_{12} a_{21} - a_{11} a_{22} > 0$$

$$c_1 a_{12} - c_2 a_{11} > 0$$

$$-a_{12}^3 a_{21}^3 + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 \geq 0$$

$$a_{12}^2 a_{21}^2 - 2.00 \cdot a_{12} a_{11} a_{22} a_{21} + a_{11}^2 a_{22}^2 > 0$$

$$c_1 a_{12}^2 a_{21} - a_{12} c_2 a_{11} a_{21} - c_1 a_{12} a_{11} a_{22} + c_2 a_{11}^2 a_{22} \geq 0$$

$$-a_{12}^3 a_{21}^3 + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 > 0$$

$$a_{12}^3 a_{21}^3 - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 > 0$$

$$a_{12}^8 a_{21}^8 - 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 -$$

$$56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + a_{11}^8 a_{22}^8 \geq 0$$

$$a_{12}^8 a_{21}^8 - 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 -$$

$$56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + a_{11}^8 a_{22}^8 > 0$$

pot #61:

symbol a_{12} : $(-0.0, inf)$

symbol c_1 : $(-inf, 0.0)$

symbol c_2 : $(-0.0, inf)$

symbol $a_{11} : (-inf, 0.0)$
symbol $a_{22} : (-inf, 0.0)$
symbol $b_1 : -0.0$
symbol $b_2 : [-0.0, inf)$
symbol $a_{21} : (-0.0, inf)$
 $-c_2a_{21} + c_1a_{22} > 0$
 $a_{12}a_{21} - a_{11}a_{22} > 0$
 $c_1a_{12} - c_2a_{11} > 0$
 $-a_{12}^3a_{21}^3 + 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 - 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} + a_{11}^3a_{22}^3 \geq 0$
 $a_{12}^2a_{21}^2 - 2.00 \cdot a_{12}a_{11}a_{22}a_{21} + a_{11}^2a_{22}^2 > 0$
 $c_1a_{12}^2a_{21} - a_{12}c_2a_{11}a_{21} - c_1a_{12}a_{11}a_{22} + c_2a_{11}^2a_{22} \geq 0$
 $-a_{12}^3a_{21}^3 + 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 - 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} + a_{11}^3a_{22}^3 > 0$
 $a_{12}^3a_{21}^3 - 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 + 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} - a_{11}^3a_{22}^3 > 0$
 $-a_{12}^8a_{21}^8 + 8.00 \cdot a_{12}^7a_{11}a_{22}a_{21}^7 - 28.00 \cdot a_{12}^6a_{11}^2a_{22}^2a_{21}^6 + 56.00 \cdot a_{12}^5a_{11}^3a_{22}^3a_{21}^5 - 70.00 \cdot a_{12}^4a_{11}^4a_{22}^4a_{21}^4 +$
 $56.00 \cdot a_{12}^3a_{11}^5a_{22}^5a_{21}^3 - 28.00 \cdot a_{12}^2a_{11}^6a_{22}^6a_{21}^2 + 8.00 \cdot a_{12}a_{11}^7a_{22}^7a_{21} - a_{11}^8a_{22}^8 \geq 0$
 $-a_{12}^8a_{21}^8 + 8.00 \cdot a_{12}^7a_{11}a_{22}a_{21}^7 - 28.00 \cdot a_{12}^6a_{11}^2a_{22}^2a_{21}^6 + 56.00 \cdot a_{12}^5a_{11}^3a_{22}^3a_{21}^5 - 70.00 \cdot a_{12}^4a_{11}^4a_{22}^4a_{21}^4 +$
 $56.00 \cdot a_{12}^3a_{11}^5a_{22}^5a_{21}^3 - 28.00 \cdot a_{12}^2a_{11}^6a_{22}^6a_{21}^2 + 8.00 \cdot a_{12}a_{11}^7a_{22}^7a_{21} - a_{11}^8a_{22}^8 > 0$
pot #62:
symbol $a_{12} : (-0.0, inf)$
symbol $c_1 : (-inf, 0.0)$
symbol $c_2 : (-0.0, inf)$
symbol $a_{11} : (-inf, 0.0)$
symbol $a_{22} : (-inf, 0.0)$
symbol $b_1 : -0.0$
symbol $b_2 : -0.0$
symbol $a_{21} : (-0.0, inf)$
 $-c_2a_{21} + c_1a_{22} > 0$
 $a_{12}a_{21} - a_{11}a_{22} > 0$
 $c_1a_{12} - c_2a_{11} > 0$
 $-a_{12}^3a_{21}^3 + 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 - 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} + a_{11}^3a_{22}^3 \geq 0$
 $a_{12}^2a_{21}^2 - 2.00 \cdot a_{12}a_{11}a_{22}a_{21} + a_{11}^2a_{22}^2 > 0$
 $c_1a_{12}^2a_{21} - a_{12}c_2a_{11}a_{21} - c_1a_{12}a_{11}a_{22} + c_2a_{11}^2a_{22} \geq 0$
 $-a_{12}^3a_{21}^3 + 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 - 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} + a_{11}^3a_{22}^3 > 0$
 $a_{12}^3a_{21}^3 - 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 + 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} - a_{11}^3a_{22}^3 > 0$
 $a_{12}^8a_{21}^8 - 8.00 \cdot a_{12}^7a_{11}a_{22}a_{21}^7 + 28.00 \cdot a_{12}^6a_{11}^2a_{22}^2a_{21}^6 - 56.00 \cdot a_{12}^5a_{11}^3a_{22}^3a_{21}^5 + 70.00 \cdot a_{12}^4a_{11}^4a_{22}^4a_{21}^4 -$
 $56.00 \cdot a_{12}^3a_{11}^5a_{22}^5a_{21}^3 + 28.00 \cdot a_{12}^2a_{11}^6a_{22}^6a_{21}^2 - 8.00 \cdot a_{12}a_{11}^7a_{22}^7a_{21} + a_{11}^8a_{22}^8 \geq 0$
 $-a_{12}^8a_{21}^8 + 8.00 \cdot a_{12}^7a_{11}a_{22}a_{21}^7 - 28.00 \cdot a_{12}^6a_{11}^2a_{22}^2a_{21}^6 + 56.00 \cdot a_{12}^5a_{11}^3a_{22}^3a_{21}^5 - 70.00 \cdot a_{12}^4a_{11}^4a_{22}^4a_{21}^4 +$
 $56.00 \cdot a_{12}^3a_{11}^5a_{22}^5a_{21}^3 - 28.00 \cdot a_{12}^2a_{11}^6a_{22}^6a_{21}^2 + 8.00 \cdot a_{12}a_{11}^7a_{22}^7a_{21} - a_{11}^8a_{22}^8 > 0$
pot #63:
symbol $a_{12} : (-0.0, inf)$
symbol $c_1 : (-inf, 0.0)$
symbol $c_2 : (-0.0, inf)$
symbol $a_{11} : (-inf, 0.0)$
symbol $a_{22} : (-inf, 0.0)$
symbol $b_1 : -0.0$
symbol $b_2 : -0.0$
symbol $a_{21} : (-0.0, inf)$
 $-c_2a_{21} + c_1a_{22} > 0$
 $a_{12}a_{21} - a_{11}a_{22} > 0$
 $c_1a_{12} - c_2a_{11} > 0$

$$\begin{aligned}
& -a_{12}^3 a_{21}^3 + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 \geq 0 \\
& a_{12}^2 a_{21}^2 - 2.00 \cdot a_{12} a_{11} a_{22} a_{21} + a_{11}^2 a_{22}^2 > 0 \\
& c_1 a_{12}^2 a_{21} - a_{12} c_2 a_{11} a_{21} - c_1 a_{12} a_{11} a_{22} + c_2 a_{11}^2 a_{22} \geq 0 \\
& -a_{12}^3 a_{21}^3 + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 > 0 \\
& a_{12}^3 a_{21}^3 - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 > 0 \\
& -a_{12}^8 a_{21}^8 + 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 + \\
& 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - a_{11}^8 a_{22}^8 \geq 0 \\
& a_{12}^8 a_{21}^8 - 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 - \\
& 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + a_{11}^8 a_{22}^8 > 0
\end{aligned}$$

pot #64:

symbol a_{12} : $(-0.0, inf)$

symbol c_1 : $(-inf, 0.0)$

symbol c_2 : $(-0.0, inf)$

symbol a_{11} : $(-inf, 0.0)$

symbol a_{22} : $(-inf, 0.0)$

symbol b_1 : -0.0

symbol b_2 : $[-0.0, inf)$

symbol a_{21} : $(-0.0, inf)$

$$-c_2 a_{21} + c_1 a_{22} > 0$$

$$a_{12} a_{21} - a_{11} a_{22} > 0$$

$$c_1 a_{12} - c_2 a_{11} > 0$$

$$-a_{12}^3 a_{21}^3 + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 \geq 0$$

$$a_{12}^2 a_{21}^2 - 2.00 \cdot a_{12} a_{11} a_{22} a_{21} + a_{11}^2 a_{22}^2 > 0$$

$$c_1 a_{12}^2 a_{21} - a_{12} c_2 a_{11} a_{21} - c_1 a_{12} a_{11} a_{22} + c_2 a_{11}^2 a_{22} \geq 0$$

$$-a_{12}^3 a_{21}^3 + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 > 0$$

$$a_{12}^8 a_{21}^8 - 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 -$$

$$56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + a_{11}^8 a_{22}^8 \geq 0$$

$$a_{12}^8 a_{21}^8 - 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 -$$

$$56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + a_{11}^8 a_{22}^8 > 0$$

pot #65:

symbol a_{12} : $(-0.0, inf)$

symbol c_1 : $(-inf, 0.0)$

symbol c_2 : $(-0.0, inf)$

symbol a_{11} : $(-inf, 0.0)$

symbol a_{22} : $(-inf, 0.0)$

symbol b_1 : -0.0

symbol b_2 : $[-0.0, inf)$

symbol a_{21} : $(-0.0, inf)$

$$-c_2 a_{21} + c_1 a_{22} > 0$$

$$a_{12} a_{21} - a_{11} a_{22} > 0$$

$$c_1 a_{12} - c_2 a_{11} > 0$$

$$-a_{12}^3 a_{21}^3 + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 \geq 0$$

$$a_{12}^2 a_{21}^2 - 2.00 \cdot a_{12} a_{11} a_{22} a_{21} + a_{11}^2 a_{22}^2 > 0$$

$$c_1 a_{12}^2 a_{21} - a_{12} c_2 a_{11} a_{21} - c_1 a_{12} a_{11} a_{22} + c_2 a_{11}^2 a_{22} \geq 0$$

$$-a_{12}^3 a_{21}^3 + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 > 0$$

$$-a_{12}^8 a_{21}^8 + 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 +$$

$$56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - a_{11}^8 a_{22}^8 \geq 0$$

$$-a_{12}^8 a_{21}^8 + 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 +$$

$$56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - a_{11}^8 a_{22}^8 > 0$$

pot #66:

symbol $a_{12} : (-0.0, inf)$
symbol $c_1 : (-inf, 0.0)$
symbol $c_2 : (-0.0, inf)$
symbol $a_{11} : (-inf, 0.0)$
symbol $a_{22} : (-inf, 0.0)$
symbol $b_1 : -0.0$
symbol $b_2 : -0.0$
symbol $a_{21} : (-0.0, inf)$
 $-c_2 a_{21} + c_1 a_{22} > 0$
 $a_{12} a_{21} - a_{11} a_{22} > 0$
 $c_1 a_{12} - c_2 a_{11} > 0$
 $-a_{12}^3 a_{21}^3 + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 \geq 0$
 $a_{12}^2 a_{21}^2 - 2.00 \cdot a_{12} a_{11} a_{22} a_{21} + a_{11}^2 a_{22}^2 > 0$
 $c_1 a_{12}^2 a_{21} - a_{12} c_2 a_{11} a_{21} - c_1 a_{12} a_{11} a_{22} + c_2 a_{11}^2 a_{22} \geq 0$
 $-a_{12}^3 a_{21}^3 + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 > 0$
 $a_{12}^8 a_{21}^8 - 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 -$
 $56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + a_{11}^8 a_{22}^8 \geq 0$
 $-a_{12}^8 a_{21}^8 + 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 +$
 $56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - a_{11}^8 a_{22}^8 > 0$
pot #67:

symbol $a_{12} : (-0.0, inf)$
symbol $c_1 : (-inf, 0.0)$
symbol $c_2 : (-0.0, inf)$
symbol $a_{11} : (-inf, 0.0)$
symbol $a_{22} : (-inf, 0.0)$
symbol $b_1 : -0.0$
symbol $b_2 : -0.0$
symbol $a_{21} : (-0.0, inf)$
 $-c_2 a_{21} + c_1 a_{22} > 0$
 $a_{12} a_{21} - a_{11} a_{22} > 0$
 $c_1 a_{12} - c_2 a_{11} > 0$
 $-a_{12}^3 a_{21}^3 + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 \geq 0$
 $a_{12}^2 a_{21}^2 - 2.00 \cdot a_{12} a_{11} a_{22} a_{21} + a_{11}^2 a_{22}^2 > 0$
 $c_1 a_{12}^2 a_{21} - a_{12} c_2 a_{11} a_{21} - c_1 a_{12} a_{11} a_{22} + c_2 a_{11}^2 a_{22} \geq 0$
 $-a_{12}^3 a_{21}^3 + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 > 0$
 $-a_{12}^8 a_{21}^8 + 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 +$
 $56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - a_{11}^8 a_{22}^8 \geq 0$
 $a_{12}^8 a_{21}^8 - 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 -$
 $56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + a_{11}^8 a_{22}^8 > 0$

x_2	$\frac{b_1 a_{21}^6 a_{12}^6 - 6.00 \cdot b_1 a_{21}^5 a_{11} a_{22} a_{12}^5 + 15.00 \cdot b_1 a_{21}^4 a_{11}^2 a_{22}^2 a_{12}^4 - 20.00 \cdot b_1 a_{21}^3 a_{11}^3 a_{22}^3 a_{12}^3 + 15.00 \cdot b_1 a_{21}^2 a_{11}^4 a_{22}^4 a_{12}^2 - 6.00 \cdot b_1 a_{21} a_{11}^5 a_{22}^5 a_{12} + a_{12}^6 a_{21}^6 - 6.00 \cdot a_{12}^5 a_{11} a_{22} a_{21}^5 + 15.00 \cdot a_{12}^4 a_{11}^2 a_{22}^2 a_{21}^4 - 20.00 \cdot a_{12}^3 a_{11}^3 a_{22}^3 a_{21}^3 + 15.00 \cdot a_{12}^2 a_{11}^4 a_{22}^4 a_{21}^2 - 6.00 \cdot a_{12} a_{11}^5 a_{22}^5 a_{21} + a_{12}^8 b_2 a_{21}^8 - 8.00 \cdot a_{12}^7 b_2 a_{11} a_{22} a_{21}^7 + 28.00 \cdot a_{12}^6 b_2 a_{11}^2 a_{22}^2 a_{21}^6 - 56.00 \cdot a_{12}^5 b_2 a_{11}^3 a_{22}^3 a_{21}^5 + 70.00 \cdot a_{12}^4 b_2 a_{11}^4 a_{22}^4 a_{21}^4 - 56.00 \cdot a_{12}^3 b_2 a_{11}^5 a_{22}^5 a_{21}^3 + 28.00 \cdot a_{12}^2 b_2 a_{11}^6 a_{22}^6 a_{21}^2 - 8.00 \cdot a_{12} b_2 a_{11}^7 a_{22}^7 a_{21} + a_{12}^8 a_{21}^8 - 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 - 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + a_{11}^8 a_{22}^8}{0.0}$
Ψ	

Table #1.0.1.1

Moving out basis: x_3 from line: 1

Moving to basis: x_2

pots:

pot #0:

symbol a_{12} : $(-0.0, inf)$

symbol c_1 : $(-inf, 0.0)$

symbol c_2 : $(-0.0, inf)$

symbol a_{11} : $(-inf, 0.0)$

symbol a_{22} : $(-inf, 0.0)$

symbol b_1 : $[-0.0, inf)$

symbol b_2 : $[-0.0, inf)$

symbol a_{21} : $(-0.0, inf)$

$$-c_2 a_{21} + c_1 a_{22} > 0$$

$$a_{12} a_{21} - a_{11} a_{22} > 0$$

$$c_1 a_{12} - c_2 a_{11} > 0$$

$$a_{12}^3 a_{21}^3 - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 \geq 0$$

$$a_{12}^2 a_{21}^2 - 2.00 \cdot a_{12} a_{11} a_{22} a_{21} + a_{11}^2 a_{22}^2 > 0$$

$$c_1 a_{12}^2 a_{21} - a_{12} c_2 a_{11} a_{21} - c_1 a_{12} a_{11} a_{22} + c_2 a_{11}^2 a_{22} \geq 0$$

$$a_{12}^3 a_{21}^3 - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 > 0$$

$$-a_{12}^8 a_{21}^8 + 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 +$$

$$56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - a_{11}^8 a_{22}^8 \geq 0$$

$$a_{12}^8 a_{21}^8 - 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 -$$

$$56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + a_{11}^8 a_{22}^8 > 0$$

pot #1:

symbol a_{12} : $(-0.0, inf)$

symbol c_1 : $(-inf, 0.0)$

symbol c_2 : $(-0.0, inf)$

symbol a_{11} : $(-inf, 0.0)$

symbol a_{22} : $(-inf, 0.0)$

symbol b_1 : $[-0.0, inf)$

symbol b_2 : $[-0.0, inf)$

symbol a_{21} : $(-0.0, inf)$

$$-c_2 a_{21} + c_1 a_{22} > 0$$

$$a_{12} a_{21} - a_{11} a_{22} > 0$$

$$c_1 a_{12} - c_2 a_{11} > 0$$

$$a_{12}^3 a_{21}^3 - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 \geq 0$$

$$a_{12}^2 a_{21}^2 - 2.00 \cdot a_{12} a_{11} a_{22} a_{21} + a_{11}^2 a_{22}^2 > 0$$

$$c_1 a_{12}^2 a_{21} - a_{12} c_2 a_{11} a_{21} - c_1 a_{12} a_{11} a_{22} + c_2 a_{11}^2 a_{22} \geq 0$$

$$a_{12}^3 a_{21}^3 - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 > 0$$

$$a_{12}^8 a_{21}^8 - 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 -$$

$$56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + a_{11}^8 a_{22}^8 \geq 0$$

$$-a_{12}^8 a_{21}^8 + 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 +$$

$$56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - a_{11}^8 a_{22}^8 > 0$$

pot #2:

symbol a_{12} : $(-0.0, inf)$

symbol c_1 : $(-inf, 0.0)$

symbol c_2 : $(-0.0, inf)$

symbol a_{11} : $(-inf, 0.0)$

symbol $a_{22} : (-inf, 0.0)$

symbol $b_1 : [-0.0, inf)$

symbol $b_2 : -0.0$

symbol $a_{21} : (-0.0, inf)$

$$-c_2 a_{21} + c_1 a_{22} > 0$$

$$a_{12} a_{21} - a_{11} a_{22} > 0$$

$$c_1 a_{12} - c_2 a_{11} > 0$$

$$a_{12}^3 a_{21}^3 - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 \geq 0$$

$$a_{12}^2 a_{21}^2 - 2.00 \cdot a_{12} a_{11} a_{22} a_{21} + a_{11}^2 a_{22}^2 > 0$$

$$c_1 a_{12}^2 a_{21} - a_{12} c_2 a_{11} a_{21} - c_1 a_{12} a_{11} a_{22} + c_2 a_{11}^2 a_{22} \geq 0$$

$$a_{12}^3 a_{21}^3 - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 > 0$$

$$-a_{12}^8 a_{21}^8 + 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 +$$

$$56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - a_{11}^8 a_{22}^8 \geq 0$$

$$-a_{12}^8 a_{21}^8 + 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 +$$

$$56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - a_{11}^8 a_{22}^8 > 0$$

pot #3:

symbol $a_{12} : (-0.0, inf)$

symbol $c_1 : (-inf, 0.0)$

symbol $c_2 : (-0.0, inf)$

symbol $a_{11} : (-inf, 0.0)$

symbol $a_{22} : (-inf, 0.0)$

symbol $b_1 : [-0.0, inf)$

symbol $b_2 : -0.0$

symbol $a_{21} : (-0.0, inf)$

$$-c_2 a_{21} + c_1 a_{22} > 0$$

$$a_{12} a_{21} - a_{11} a_{22} > 0$$

$$c_1 a_{12} - c_2 a_{11} > 0$$

$$a_{12}^3 a_{21}^3 - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 \geq 0$$

$$a_{12}^2 a_{21}^2 - 2.00 \cdot a_{12} a_{11} a_{22} a_{21} + a_{11}^2 a_{22}^2 > 0$$

$$c_1 a_{12}^2 a_{21} - a_{12} c_2 a_{11} a_{21} - c_1 a_{12} a_{11} a_{22} + c_2 a_{11}^2 a_{22} \geq 0$$

$$a_{12}^3 a_{21}^3 - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 > 0$$

$$a_{12}^8 a_{21}^8 - 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 -$$

$$56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + a_{11}^8 a_{22}^8 \geq 0$$

$$a_{12}^8 a_{21}^8 - 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 -$$

$$56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + a_{11}^8 a_{22}^8 > 0$$

pot #4:

symbol $a_{12} : (-0.0, inf)$

symbol $c_1 : (-inf, 0.0)$

symbol $c_2 : (-0.0, inf)$

symbol $a_{11} : (-inf, 0.0)$

symbol $a_{22} : (-inf, 0.0)$

symbol $b_1 : [-0.0, inf)$

symbol $b_2 : [-0.0, inf)$

symbol $a_{21} : (-0.0, inf)$

$$-c_2 a_{21} + c_1 a_{22} > 0$$

$$a_{12} a_{21} - a_{11} a_{22} > 0$$

$$c_1 a_{12} - c_2 a_{11} > 0$$

$$a_{12}^3 a_{21}^3 - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 \geq 0$$

$$a_{12}^2 a_{21}^2 - 2.00 \cdot a_{12} a_{11} a_{22} a_{21} + a_{11}^2 a_{22}^2 > 0$$

$$c_1 a_{12}^2 a_{21} - a_{12} c_2 a_{11} a_{21} - c_1 a_{12} a_{11} a_{22} + c_2 a_{11}^2 a_{22} \geq 0$$

$$\begin{aligned}
& a_{12}^3 a_{21}^3 - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 > 0 \\
& -a_{12}^3 a_{21}^3 + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 > 0 \\
& -a_{12}^8 a_{21}^8 + 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 + \\
& 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - a_{11}^8 a_{22}^8 \geq 0 \\
& a_{12}^8 a_{21}^8 - 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 - \\
& 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + a_{11}^8 a_{22}^8 > 0
\end{aligned}$$

pot #5:

symbol a_{12} : $(-0.0, inf)$

symbol c_1 : $(-inf, 0.0)$

symbol c_2 : $(-0.0, inf)$

symbol a_{11} : $(-inf, 0.0)$

symbol a_{22} : $(-inf, 0.0)$

symbol b_1 : $[-0.0, inf)$

symbol b_2 : $[-0.0, inf)$

symbol a_{21} : $(-0.0, inf)$

$$-c_2 a_{21} + c_1 a_{22} > 0$$

$$a_{12} a_{21} - a_{11} a_{22} > 0$$

$$c_1 a_{12} - c_2 a_{11} > 0$$

$$a_{12}^3 a_{21}^3 - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 \geq 0$$

$$a_{12}^2 a_{21}^2 - 2.00 \cdot a_{12} a_{11} a_{22} a_{21} + a_{11}^2 a_{22}^2 > 0$$

$$c_1 a_{12}^2 a_{21} - a_{12} c_2 a_{11} a_{21} - c_1 a_{12} a_{11} a_{22} + c_2 a_{11}^2 a_{22} \geq 0$$

$$a_{12}^3 a_{21}^3 - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 > 0$$

$$-a_{12}^3 a_{21}^3 + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 > 0$$

$$a_{12}^8 a_{21}^8 - 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 -$$

$$56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + a_{11}^8 a_{22}^8 \geq 0$$

$$-a_{12}^8 a_{21}^8 + 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 +$$

$$56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - a_{11}^8 a_{22}^8 > 0$$

pot #6:

symbol a_{12} : $(-0.0, inf)$

symbol c_1 : $(-inf, 0.0)$

symbol c_2 : $(-0.0, inf)$

symbol a_{11} : $(-inf, 0.0)$

symbol a_{22} : $(-inf, 0.0)$

symbol b_1 : $[-0.0, inf)$

symbol b_2 : -0.0

symbol a_{21} : $(-0.0, inf)$

$$-c_2 a_{21} + c_1 a_{22} > 0$$

$$a_{12} a_{21} - a_{11} a_{22} > 0$$

$$c_1 a_{12} - c_2 a_{11} > 0$$

$$a_{12}^3 a_{21}^3 - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 \geq 0$$

$$a_{12}^2 a_{21}^2 - 2.00 \cdot a_{12} a_{11} a_{22} a_{21} + a_{11}^2 a_{22}^2 > 0$$

$$c_1 a_{12}^2 a_{21} - a_{12} c_2 a_{11} a_{21} - c_1 a_{12} a_{11} a_{22} + c_2 a_{11}^2 a_{22} \geq 0$$

$$a_{12}^3 a_{21}^3 - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 > 0$$

$$-a_{12}^3 a_{21}^3 + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 > 0$$

$$-a_{12}^8 a_{21}^8 + 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 +$$

$$56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - a_{11}^8 a_{22}^8 \geq 0$$

$$-a_{12}^8 a_{21}^8 + 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 +$$

$$56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - a_{11}^8 a_{22}^8 > 0$$

pot #7:

symbol a_{12} : $(-0.0, inf)$

symbol $c_1 : (-inf, 0.0)$
 symbol $c_2 : (-0.0, inf)$
 symbol $a_{11} : (-inf, 0.0)$
 symbol $a_{22} : (-inf, 0.0)$
 symbol $b_1 : [-0.0, inf)$
 symbol $b_2 : -0.0$
 symbol $a_{21} : (-0.0, inf)$
 $-c_2 a_{21} + c_1 a_{22} > 0$
 $a_{12} a_{21} - a_{11} a_{22} > 0$
 $c_1 a_{12} - c_2 a_{11} > 0$
 $a_{12}^3 a_{21}^3 - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 \geq 0$
 $a_{12}^2 a_{21}^2 - 2.00 \cdot a_{12} a_{11} a_{22} a_{21} + a_{11}^2 a_{22}^2 > 0$
 $c_1 a_{12}^2 a_{21} - a_{12} c_2 a_{11} a_{21} - c_1 a_{12} a_{11} a_{22} + c_2 a_{11}^2 a_{22} \geq 0$
 $a_{12}^3 a_{21}^3 - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 > 0$
 $-a_{12}^3 a_{21}^3 + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 > 0$
 $a_{12}^8 a_{21}^8 - 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 -$
 $56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + a_{11}^8 a_{22}^8 \geq 0$
 $a_{12}^8 a_{21}^8 - 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 -$
 $56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + a_{11}^8 a_{22}^8 > 0$
 pot #8:
 symbol $a_{12} : (-0.0, inf)$
 symbol $c_1 : (-inf, 0.0)$
 symbol $c_2 : (-0.0, inf)$
 symbol $a_{11} : (-inf, 0.0)$
 symbol $a_{22} : (-inf, 0.0)$
 symbol $b_1 : [-0.0, inf)$
 symbol $b_2 : [-0.0, inf)$
 symbol $a_{21} : (-0.0, inf)$
 $-c_2 a_{21} + c_1 a_{22} > 0$
 $a_{12} a_{21} - a_{11} a_{22} > 0$
 $c_1 a_{12} - c_2 a_{11} > 0$
 $a_{12}^3 a_{21}^3 - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 \geq 0$
 $a_{12}^2 a_{21}^2 - 2.00 \cdot a_{12} a_{11} a_{22} a_{21} + a_{11}^2 a_{22}^2 > 0$
 $c_1 a_{12}^2 a_{21} - a_{12} c_2 a_{11} a_{21} - c_1 a_{12} a_{11} a_{22} + c_2 a_{11}^2 a_{22} \geq 0$
 $-a_{12}^3 a_{21}^3 + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 > 0$
 $a_{12}^3 a_{21}^3 - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 > 0$
 $-a_{12}^8 a_{21}^8 + 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 +$
 $56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - a_{11}^8 a_{22}^8 \geq 0$
 $a_{12}^8 a_{21}^8 - 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 -$
 $56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + a_{11}^8 a_{22}^8 > 0$
 pot #9:
 symbol $a_{12} : (-0.0, inf)$
 symbol $c_1 : (-inf, 0.0)$
 symbol $c_2 : (-0.0, inf)$
 symbol $a_{11} : (-inf, 0.0)$
 symbol $a_{22} : (-inf, 0.0)$
 symbol $b_1 : [-0.0, inf)$
 symbol $b_2 : [-0.0, inf)$
 symbol $a_{21} : (-0.0, inf)$
 $-c_2 a_{21} + c_1 a_{22} > 0$

$$a_{12}a_{21} - a_{11}a_{22} > 0$$

$$c_1a_{12} - c_2a_{11} > 0$$

$$a_{12}^3a_{21}^3 - 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 + 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} - a_{11}^3a_{22}^3 \geq 0$$

$$a_{12}^2a_{21}^2 - 2.00 \cdot a_{12}a_{11}a_{22}a_{21} + a_{11}^2a_{22}^2 > 0$$

$$c_1a_{12}^2a_{21} - a_{12}c_2a_{11}a_{21} - c_1a_{12}a_{11}a_{22} + c_2a_{11}^2a_{22} \geq 0$$

$$-a_{12}^3a_{21}^3 + 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 - 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} + a_{11}^3a_{22}^3 > 0$$

$$a_{12}^3a_{21}^3 - 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 + 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} - a_{11}^3a_{22}^3 > 0$$

$$a_{12}^8a_{21}^8 - 8.00 \cdot a_{12}^7a_{11}a_{22}a_{21}^7 + 28.00 \cdot a_{12}^6a_{11}^2a_{22}^2a_{21}^6 - 56.00 \cdot a_{12}^5a_{11}^3a_{22}^3a_{21}^5 + 70.00 \cdot a_{12}^4a_{11}^4a_{22}^4a_{21}^4 - 56.00 \cdot a_{12}^3a_{11}^5a_{22}^5a_{21}^3 + 28.00 \cdot a_{12}^2a_{11}^6a_{22}^6a_{21}^2 - 8.00 \cdot a_{12}a_{11}^7a_{22}^7a_{21} + a_{11}^8a_{22}^8 \geq 0$$

$$-a_{12}^8a_{21}^8 + 8.00 \cdot a_{12}^7a_{11}a_{22}a_{21}^7 - 28.00 \cdot a_{12}^6a_{11}^2a_{22}^2a_{21}^6 + 56.00 \cdot a_{12}^5a_{11}^3a_{22}^3a_{21}^5 - 70.00 \cdot a_{12}^4a_{11}^4a_{22}^4a_{21}^4 + 56.00 \cdot a_{12}^3a_{11}^5a_{22}^5a_{21}^3 - 28.00 \cdot a_{12}^2a_{11}^6a_{22}^6a_{21}^2 + 8.00 \cdot a_{12}a_{11}^7a_{22}^7a_{21} - a_{11}^8a_{22}^8 > 0$$

pot #10:

symbol a_{12} : $(-0.0, inf)$

symbol c_1 : $(-inf, 0.0)$

symbol c_2 : $(-0.0, inf)$

symbol a_{11} : $(-inf, 0.0)$

symbol a_{22} : $(-inf, 0.0)$

symbol b_1 : $[-0.0, inf)$

symbol b_2 : -0.0

symbol a_{21} : $(-0.0, inf)$

$$-c_2a_{21} + c_1a_{22} > 0$$

$$a_{12}a_{21} - a_{11}a_{22} > 0$$

$$c_1a_{12} - c_2a_{11} > 0$$

$$a_{12}^3a_{21}^3 - 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 + 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} - a_{11}^3a_{22}^3 \geq 0$$

$$a_{12}^2a_{21}^2 - 2.00 \cdot a_{12}a_{11}a_{22}a_{21} + a_{11}^2a_{22}^2 > 0$$

$$c_1a_{12}^2a_{21} - a_{12}c_2a_{11}a_{21} - c_1a_{12}a_{11}a_{22} + c_2a_{11}^2a_{22} \geq 0$$

$$-a_{12}^3a_{21}^3 + 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 - 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} + a_{11}^3a_{22}^3 > 0$$

$$a_{12}^3a_{21}^3 - 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 + 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} - a_{11}^3a_{22}^3 > 0$$

$$-a_{12}^8a_{21}^8 + 8.00 \cdot a_{12}^7a_{11}a_{22}a_{21}^7 - 28.00 \cdot a_{12}^6a_{11}^2a_{22}^2a_{21}^6 + 56.00 \cdot a_{12}^5a_{11}^3a_{22}^3a_{21}^5 - 70.00 \cdot a_{12}^4a_{11}^4a_{22}^4a_{21}^4 + 56.00 \cdot a_{12}^3a_{11}^5a_{22}^5a_{21}^3 - 28.00 \cdot a_{12}^2a_{11}^6a_{22}^6a_{21}^2 + 8.00 \cdot a_{12}a_{11}^7a_{22}^7a_{21} - a_{11}^8a_{22}^8 \geq 0$$

$$-a_{12}^8a_{21}^8 + 8.00 \cdot a_{12}^7a_{11}a_{22}a_{21}^7 - 28.00 \cdot a_{12}^6a_{11}^2a_{22}^2a_{21}^6 + 56.00 \cdot a_{12}^5a_{11}^3a_{22}^3a_{21}^5 - 70.00 \cdot a_{12}^4a_{11}^4a_{22}^4a_{21}^4 + 56.00 \cdot a_{12}^3a_{11}^5a_{22}^5a_{21}^3 - 28.00 \cdot a_{12}^2a_{11}^6a_{22}^6a_{21}^2 + 8.00 \cdot a_{12}a_{11}^7a_{22}^7a_{21} - a_{11}^8a_{22}^8 > 0$$

pot #11:

symbol a_{12} : $(-0.0, inf)$

symbol c_1 : $(-inf, 0.0)$

symbol c_2 : $(-0.0, inf)$

symbol a_{11} : $(-inf, 0.0)$

symbol a_{22} : $(-inf, 0.0)$

symbol b_1 : $[-0.0, inf)$

symbol b_2 : -0.0

symbol a_{21} : $(-0.0, inf)$

$$-c_2a_{21} + c_1a_{22} > 0$$

$$a_{12}a_{21} - a_{11}a_{22} > 0$$

$$c_1a_{12} - c_2a_{11} > 0$$

$$a_{12}^3a_{21}^3 - 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 + 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} - a_{11}^3a_{22}^3 \geq 0$$

$$a_{12}^2a_{21}^2 - 2.00 \cdot a_{12}a_{11}a_{22}a_{21} + a_{11}^2a_{22}^2 > 0$$

$$c_1a_{12}^2a_{21} - a_{12}c_2a_{11}a_{21} - c_1a_{12}a_{11}a_{22} + c_2a_{11}^2a_{22} \geq 0$$

$$-a_{12}^3a_{21}^3 + 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 - 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} + a_{11}^3a_{22}^3 > 0$$

$$a_{12}^3a_{21}^3 - 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 + 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} - a_{11}^3a_{22}^3 > 0$$

$$a_{12}^8a_{21}^8 - 8.00 \cdot a_{12}^7a_{11}a_{22}a_{21}^7 + 28.00 \cdot a_{12}^6a_{11}^2a_{22}^2a_{21}^6 - 56.00 \cdot a_{12}^5a_{11}^3a_{22}^3a_{21}^5 + 70.00 \cdot a_{12}^4a_{11}^4a_{22}^4a_{21}^4 -$$

$56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + a_{11}^8 a_{22}^8 \geq 0$
 $a_{12}^8 a_{21}^8 - 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 -$
 $56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + a_{11}^8 a_{22}^8 > 0$
 pot #12:
 symbol $a_{12} : (-0.0, inf)$
 symbol $c_1 : (-inf, 0.0)$
 symbol $c_2 : (-0.0, inf)$
 symbol $a_{11} : (-inf, 0.0)$
 symbol $a_{22} : (-inf, 0.0)$
 symbol $b_1 : [-0.0, inf)$
 symbol $b_2 : [-0.0, inf)$
 symbol $a_{21} : (-0.0, inf)$
 $-c_2 a_{21} + c_1 a_{22} > 0$
 $a_{12} a_{21} - a_{11} a_{22} > 0$
 $c_1 a_{12} - c_2 a_{11} > 0$
 $a_{12}^3 a_{21}^3 - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 \geq 0$
 $a_{12}^2 a_{21}^2 - 2.00 \cdot a_{12} a_{11} a_{22} a_{21} + a_{11}^2 a_{22}^2 > 0$
 $c_1 a_{12}^2 a_{21} - a_{12} c_2 a_{11} a_{21} - c_1 a_{12} a_{11} a_{22} + c_2 a_{11}^2 a_{22} \geq 0$
 $-a_{12}^3 a_{21}^3 + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 > 0$
 $-a_{12}^8 a_{21}^8 + 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 +$
 $56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - a_{11}^8 a_{22}^8 \geq 0$
 $a_{12}^8 a_{21}^8 - 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 -$
 $56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + a_{11}^8 a_{22}^8 > 0$
 pot #13:
 symbol $a_{12} : (-0.0, inf)$
 symbol $c_1 : (-inf, 0.0)$
 symbol $c_2 : (-0.0, inf)$
 symbol $a_{11} : (-inf, 0.0)$
 symbol $a_{22} : (-inf, 0.0)$
 symbol $b_1 : [-0.0, inf)$
 symbol $b_2 : [-0.0, inf)$
 symbol $a_{21} : (-0.0, inf)$
 $-c_2 a_{21} + c_1 a_{22} > 0$
 $a_{12} a_{21} - a_{11} a_{22} > 0$
 $c_1 a_{12} - c_2 a_{11} > 0$
 $a_{12}^3 a_{21}^3 - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 \geq 0$
 $a_{12}^2 a_{21}^2 - 2.00 \cdot a_{12} a_{11} a_{22} a_{21} + a_{11}^2 a_{22}^2 > 0$
 $c_1 a_{12}^2 a_{21} - a_{12} c_2 a_{11} a_{21} - c_1 a_{12} a_{11} a_{22} + c_2 a_{11}^2 a_{22} \geq 0$
 $-a_{12}^3 a_{21}^3 + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 > 0$
 $a_{12}^8 a_{21}^8 - 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 -$
 $56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + a_{11}^8 a_{22}^8 \geq 0$
 $-a_{12}^8 a_{21}^8 + 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 +$
 $56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - a_{11}^8 a_{22}^8 > 0$
 pot #14:
 symbol $a_{12} : (-0.0, inf)$
 symbol $c_1 : (-inf, 0.0)$
 symbol $c_2 : (-0.0, inf)$
 symbol $a_{11} : (-inf, 0.0)$
 symbol $a_{22} : (-inf, 0.0)$
 symbol $b_1 : [-0.0, inf)$

symbol $b_2 : -0.0$

symbol $a_{21} : (-0.0, inf)$

$$-c_2 a_{21} + c_1 a_{22} > 0$$

$$a_{12} a_{21} - a_{11} a_{22} > 0$$

$$c_1 a_{12} - c_2 a_{11} > 0$$

$$a_{12}^3 a_{21}^3 - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 \geq 0$$

$$a_{12}^2 a_{21}^2 - 2.00 \cdot a_{12} a_{11} a_{22} a_{21} + a_{11}^2 a_{22}^2 > 0$$

$$c_1 a_{12}^2 a_{21} - a_{12} c_2 a_{11} a_{21} - c_1 a_{12} a_{11} a_{22} + c_2 a_{11}^2 a_{22} \geq 0$$

$$-a_{12}^3 a_{21}^3 + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 > 0$$

$$-a_{12}^8 a_{21}^8 + 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 +$$

$$56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - a_{11}^8 a_{22}^8 \geq 0$$

$$-a_{12}^8 a_{21}^8 + 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 +$$

$$56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - a_{11}^8 a_{22}^8 > 0$$

pot #15:

symbol $a_{12} : (-0.0, inf)$

symbol $c_1 : (-inf, 0.0)$

symbol $c_2 : (-0.0, inf)$

symbol $a_{11} : (-inf, 0.0)$

symbol $a_{22} : (-inf, 0.0)$

symbol $b_1 : [-0.0, inf)$

symbol $b_2 : -0.0$

symbol $a_{21} : (-0.0, inf)$

$$-c_2 a_{21} + c_1 a_{22} > 0$$

$$a_{12} a_{21} - a_{11} a_{22} > 0$$

$$c_1 a_{12} - c_2 a_{11} > 0$$

$$a_{12}^3 a_{21}^3 - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 \geq 0$$

$$a_{12}^2 a_{21}^2 - 2.00 \cdot a_{12} a_{11} a_{22} a_{21} + a_{11}^2 a_{22}^2 > 0$$

$$c_1 a_{12}^2 a_{21} - a_{12} c_2 a_{11} a_{21} - c_1 a_{12} a_{11} a_{22} + c_2 a_{11}^2 a_{22} \geq 0$$

$$-a_{12}^3 a_{21}^3 + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 > 0$$

$$a_{12}^8 a_{21}^8 - 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 -$$

$$56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + a_{11}^8 a_{22}^8 \geq 0$$

$$a_{12}^8 a_{21}^8 - 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 -$$

$$56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + a_{11}^8 a_{22}^8 > 0$$

pot #16:

symbol $a_{12} : (-0.0, inf)$

symbol $c_1 : (-inf, 0.0)$

symbol $c_2 : (-0.0, inf)$

symbol $a_{11} : (-inf, 0.0)$

symbol $a_{22} : (-inf, 0.0)$

symbol $b_1 : [-0.0, inf)$

symbol $b_2 : [-0.0, inf)$

symbol $a_{21} : (-0.0, inf)$

$$-c_2 a_{21} + c_1 a_{22} > 0$$

$$a_{12} a_{21} - a_{11} a_{22} > 0$$

$$c_1 a_{12} - c_2 a_{11} > 0$$

$$a_{12}^3 a_{21}^3 - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 \geq 0$$

$$a_{12}^2 a_{21}^2 - 2.00 \cdot a_{12} a_{11} a_{22} a_{21} + a_{11}^2 a_{22}^2 > 0$$

$$c_1 a_{12}^2 a_{21} - a_{12} c_2 a_{11} a_{21} - c_1 a_{12} a_{11} a_{22} + c_2 a_{11}^2 a_{22} \geq 0$$

$$a_{12}^3 a_{21}^3 - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 > 0$$

$$-a_{12}^3 a_{21}^3 + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 \geq 0$$

pot #17:

symbol $a_{12} : (-0.0, inf)$

symbol $c_1 : (-inf, 0.0)$

symbol $c_2 : (-0.0, inf)$

symbol $a_{11} : (-inf, 0.0)$

symbol $a_{22} : (-inf, 0.0)$

symbol $b_1 : [-0.0, inf)$

symbol $b_2 : [-0.0, inf)$

symbol $a_{21} : (-0.0, inf)$

$$-c_2 a_{21} + c_1 a_{22} > 0$$

$$a_{12} a_{21} - a_{11} a_{22} > 0$$

$$c_1 a_{12} - c_2 a_{11} > 0$$

$$a_{12}^3 a_{21}^3 - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 \geq 0$$

$$a_{12}^2 a_{21}^2 - 2.00 \cdot a_{12} a_{11} a_{22} a_{21} + a_{11}^2 a_{22}^2 > 0$$

$$c_1 a_{12}^2 a_{21} - a_{12} c_2 a_{11} a_{21} - c_1 a_{12} a_{11} a_{22} + c_2 a_{11}^2 a_{22} \geq 0$$

$$a_{12}^3 a_{21}^3 - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 > 0$$

$$-a_{12}^3 a_{21}^3 + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 > 0$$

pot #18:

symbol $a_{12} : (-0.0, inf)$

symbol $c_1 : (-inf, 0.0)$

symbol $c_2 : (-0.0, inf)$

symbol $a_{11} : (-inf, 0.0)$

symbol $a_{22} : (-inf, 0.0)$

symbol $b_1 : [-0.0, inf)$

symbol $b_2 : [-0.0, inf)$

symbol $a_{21} : (-0.0, inf)$

$$-c_2 a_{21} + c_1 a_{22} > 0$$

$$a_{12} a_{21} - a_{11} a_{22} > 0$$

$$c_1 a_{12} - c_2 a_{11} > 0$$

$$a_{12}^3 a_{21}^3 - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 \geq 0$$

$$a_{12}^2 a_{21}^2 - 2.00 \cdot a_{12} a_{11} a_{22} a_{21} + a_{11}^2 a_{22}^2 > 0$$

$$c_1 a_{12}^2 a_{21} - a_{12} c_2 a_{11} a_{21} - c_1 a_{12} a_{11} a_{22} + c_2 a_{11}^2 a_{22} \geq 0$$

$$-a_{12}^3 a_{21}^3 + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 > 0$$

$$-a_{12}^3 a_{21}^3 + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 \geq 0$$

$$a_{12}^3 a_{21}^3 - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 > 0$$

pot #19:

symbol $a_{12} : (-0.0, inf)$

symbol $c_1 : (-inf, 0.0)$

symbol $c_2 : (-0.0, inf)$

symbol $a_{11} : (-inf, 0.0)$

symbol $a_{22} : (-inf, 0.0)$

symbol $b_1 : [-0.0, inf)$

symbol $b_2 : [-0.0, inf)$

symbol $a_{21} : (-0.0, inf)$

$$-c_2 a_{21} + c_1 a_{22} > 0$$

$$a_{12} a_{21} - a_{11} a_{22} > 0$$

$$c_1 a_{12} - c_2 a_{11} > 0$$

$$a_{12}^3 a_{21}^3 - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 \geq 0$$

$$a_{12}^2 a_{21}^2 - 2.00 \cdot a_{12} a_{11} a_{22} a_{21} + a_{11}^2 a_{22}^2 > 0$$

$$c_1 a_{12}^2 a_{21} - a_{12} c_2 a_{11} a_{21} - c_1 a_{12} a_{11} a_{22} + c_2 a_{11}^2 a_{22} \geq 0$$

$$-a_{12}^3 a_{21}^3 + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 > 0$$

pot #20:

symbol $a_{12} : (-0.0, inf)$

symbol $c_1 : (-inf, 0.0)$

symbol $c_2 : (-0.0, inf)$

symbol $a_{11} : (-inf, 0.0)$

symbol $a_{22} : (-inf, 0.0)$

symbol $b_1 : [-0.0, inf)$

symbol $b_2 : [-0.0, inf)$

symbol $a_{21} : (-0.0, inf)$

$$-c_2 a_{21} + c_1 a_{22} > 0$$

$$a_{12} a_{21} - a_{11} a_{22} > 0$$

$$c_1 a_{12} - c_2 a_{11} > 0$$

$$-a_{12}^3 a_{21}^3 + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 \geq 0$$

$$-a_{12}^2 a_{21}^2 + 2.00 \cdot a_{12} a_{11} a_{22} a_{21} - a_{11}^2 a_{22}^2 > 0$$

$$c_1 a_{12}^2 a_{21} - a_{12} c_2 a_{11} a_{21} - c_1 a_{12} a_{11} a_{22} + c_2 a_{11}^2 a_{22} \geq 0$$

$$a_{12}^3 a_{21}^3 - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 > 0$$

$$-a_{12}^8 a_{21}^8 + 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 +$$

$$56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - a_{11}^8 a_{22}^8 \geq 0$$

$$a_{12}^8 a_{21}^8 - 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 -$$

$$56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + a_{11}^8 a_{22}^8 > 0$$

pot #21:

symbol $a_{12} : (-0.0, inf)$

symbol $c_1 : (-inf, 0.0)$

symbol $c_2 : (-0.0, inf)$

symbol $a_{11} : (-inf, 0.0)$

symbol $a_{22} : (-inf, 0.0)$

symbol $b_1 : [-0.0, inf)$

symbol $b_2 : [-0.0, inf)$

symbol $a_{21} : (-0.0, inf)$

$$-c_2 a_{21} + c_1 a_{22} > 0$$

$$a_{12} a_{21} - a_{11} a_{22} > 0$$

$$c_1 a_{12} - c_2 a_{11} > 0$$

$$-a_{12}^3 a_{21}^3 + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 \geq 0$$

$$-a_{12}^2 a_{21}^2 + 2.00 \cdot a_{12} a_{11} a_{22} a_{21} - a_{11}^2 a_{22}^2 > 0$$

$$c_1 a_{12}^2 a_{21} - a_{12} c_2 a_{11} a_{21} - c_1 a_{12} a_{11} a_{22} + c_2 a_{11}^2 a_{22} \geq 0$$

$$a_{12}^3 a_{21}^3 - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 > 0$$

$$a_{12}^8 a_{21}^8 - 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 -$$

$$56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + a_{11}^8 a_{22}^8 \geq 0$$

$$-a_{12}^8 a_{21}^8 + 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 +$$

$$56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - a_{11}^8 a_{22}^8 > 0$$

pot #22:

symbol $a_{12} : (-0.0, inf)$

symbol $c_1 : (-inf, 0.0)$

symbol $c_2 : (-0.0, inf)$

symbol $a_{11} : (-inf, 0.0)$

symbol $a_{22} : (-inf, 0.0)$

symbol $b_1 : [-0.0, inf)$

symbol $b_2 : -0.0$

symbol $a_{21} : (-0.0, inf)$

$$a_{12}^8 a_{21}^8 - 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 - 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + a_{11}^8 a_{22}^8 > 0$$

pot #25:

symbol a_{12} : $(-0.0, inf)$

symbol c_1 : $(-inf, 0.0)$

symbol c_2 : $(-0.0, inf)$

symbol a_{11} : $(-inf, 0.0)$

symbol a_{22} : $(-inf, 0.0)$

symbol b_1 : $[-0.0, inf)$

symbol b_2 : $[-0.0, inf)$

symbol a_{21} : $(-0.0, inf)$

$$-c_2 a_{21} + c_1 a_{22} > 0$$

$$a_{12} a_{21} - a_{11} a_{22} > 0$$

$$c_1 a_{12} - c_2 a_{11} > 0$$

$$-a_{12}^3 a_{21}^3 + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 \geq 0$$

$$-a_{12}^2 a_{21}^2 + 2.00 \cdot a_{12} a_{11} a_{22} a_{21} - a_{11}^2 a_{22}^2 > 0$$

$$c_1 a_{12}^2 a_{21} - a_{12} c_2 a_{11} a_{21} - c_1 a_{12} a_{11} a_{22} + c_2 a_{11}^2 a_{22} \geq 0$$

$$a_{12}^3 a_{21}^3 - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 > 0$$

$$-a_{12}^3 a_{21}^3 + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 > 0$$

$$a_{12}^8 a_{21}^8 - 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 - 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + a_{11}^8 a_{22}^8 \geq 0$$

$$-a_{12}^8 a_{21}^8 + 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 + 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - a_{11}^8 a_{22}^8 > 0$$

pot #26:

symbol a_{12} : $(-0.0, inf)$

symbol c_1 : $(-inf, 0.0)$

symbol c_2 : $(-0.0, inf)$

symbol a_{11} : $(-inf, 0.0)$

symbol a_{22} : $(-inf, 0.0)$

symbol b_1 : $[-0.0, inf)$

symbol b_2 : -0.0

symbol a_{21} : $(-0.0, inf)$

$$-c_2 a_{21} + c_1 a_{22} > 0$$

$$a_{12} a_{21} - a_{11} a_{22} > 0$$

$$c_1 a_{12} - c_2 a_{11} > 0$$

$$-a_{12}^3 a_{21}^3 + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 \geq 0$$

$$-a_{12}^2 a_{21}^2 + 2.00 \cdot a_{12} a_{11} a_{22} a_{21} - a_{11}^2 a_{22}^2 > 0$$

$$c_1 a_{12}^2 a_{21} - a_{12} c_2 a_{11} a_{21} - c_1 a_{12} a_{11} a_{22} + c_2 a_{11}^2 a_{22} \geq 0$$

$$a_{12}^3 a_{21}^3 - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 > 0$$

$$-a_{12}^3 a_{21}^3 + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 > 0$$

$$-a_{12}^8 a_{21}^8 + 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 + 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - a_{11}^8 a_{22}^8 \geq 0$$

$$-a_{12}^8 a_{21}^8 + 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 + 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - a_{11}^8 a_{22}^8 > 0$$

pot #27:

symbol a_{12} : $(-0.0, inf)$

symbol c_1 : $(-inf, 0.0)$

symbol c_2 : $(-0.0, inf)$

symbol a_{11} : $(-inf, 0.0)$

symbol a_{22} : $(-inf, 0.0)$

symbol $b_1 : [-0.0, inf)$

symbol $b_2 : -0.0$

symbol $a_{21} : (-0.0, inf)$

$$-c_2 a_{21} + c_1 a_{22} > 0$$

$$a_{12} a_{21} - a_{11} a_{22} > 0$$

$$c_1 a_{12} - c_2 a_{11} > 0$$

$$-a_{12}^3 a_{21}^3 + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 \geq 0$$

$$-a_{12}^2 a_{21}^2 + 2.00 \cdot a_{12} a_{11} a_{22} a_{21} - a_{11}^2 a_{22}^2 > 0$$

$$c_1 a_{12}^2 a_{21} - a_{12} c_2 a_{11} a_{21} - c_1 a_{12} a_{11} a_{22} + c_2 a_{11}^2 a_{22} \geq 0$$

$$a_{12}^3 a_{21}^3 - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 > 0$$

$$-a_{12}^2 a_{21}^2 + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 > 0$$

$$a_{12}^8 a_{21}^8 - 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 - 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + a_{11}^8 a_{22}^8 \geq 0$$

$$a_{12}^8 a_{21}^8 - 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 - 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + a_{11}^8 a_{22}^8 > 0$$

pot #28:

symbol $a_{12} : (-0.0, inf)$

symbol $c_1 : (-inf, 0.0)$

symbol $c_2 : (-0.0, inf)$

symbol $a_{11} : (-inf, 0.0)$

symbol $a_{22} : (-inf, 0.0)$

symbol $b_1 : [-0.0, inf)$

symbol $b_2 : [-0.0, inf)$

symbol $a_{21} : (-0.0, inf)$

$$-c_2 a_{21} + c_1 a_{22} > 0$$

$$a_{12} a_{21} - a_{11} a_{22} > 0$$

$$c_1 a_{12} - c_2 a_{11} > 0$$

$$-a_{12}^3 a_{21}^3 + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 \geq 0$$

$$-a_{12}^2 a_{21}^2 + 2.00 \cdot a_{12} a_{11} a_{22} a_{21} - a_{11}^2 a_{22}^2 > 0$$

$$c_1 a_{12}^2 a_{21} - a_{12} c_2 a_{11} a_{21} - c_1 a_{12} a_{11} a_{22} + c_2 a_{11}^2 a_{22} \geq 0$$

$$-a_{12}^3 a_{21}^3 + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 > 0$$

$$a_{12}^3 a_{21}^3 - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 > 0$$

$$-a_{12}^8 a_{21}^8 + 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 + 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - a_{11}^8 a_{22}^8 \geq 0$$

$$a_{12}^8 a_{21}^8 - 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 - 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + a_{11}^8 a_{22}^8 > 0$$

pot #29:

symbol $a_{12} : (-0.0, inf)$

symbol $c_1 : (-inf, 0.0)$

symbol $c_2 : (-0.0, inf)$

symbol $a_{11} : (-inf, 0.0)$

symbol $a_{22} : (-inf, 0.0)$

symbol $b_1 : [-0.0, inf)$

symbol $b_2 : [-0.0, inf)$

symbol $a_{21} : (-0.0, inf)$

$$-c_2 a_{21} + c_1 a_{22} > 0$$

$$a_{12} a_{21} - a_{11} a_{22} > 0$$

$$c_1 a_{12} - c_2 a_{11} > 0$$

$$-a_{12}^3 a_{21}^3 + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 \geq 0$$

$$-a_{12}^2 a_{21}^2 + 2.00 \cdot a_{12} a_{11} a_{22} a_{21} - a_{11}^2 a_{22}^2 > 0$$

$$\begin{aligned}
& c_1 a_{12}^2 a_{21} - a_{12} c_2 a_{11} a_{21} - c_1 a_{12} a_{11} a_{22} + c_2 a_{11}^2 a_{22} \geq 0 \\
& -a_{12}^3 a_{21}^3 + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 > 0 \\
& a_{12}^3 a_{21}^3 - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 > 0 \\
& a_{12}^8 a_{21}^8 - 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 - \\
& 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + a_{11}^8 a_{22}^8 \geq 0 \\
& -a_{12}^8 a_{21}^8 + 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 + \\
& 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - a_{11}^8 a_{22}^8 > 0
\end{aligned}$$

pot #30:

symbol a_{12} : $(-0.0, inf)$

symbol c_1 : $(-inf, 0.0)$

symbol c_2 : $(-0.0, inf)$

symbol a_{11} : $(-inf, 0.0)$

symbol a_{22} : $(-inf, 0.0)$

symbol b_1 : $[-0.0, inf)$

symbol b_2 : -0.0

symbol a_{21} : $(-0.0, inf)$

$$-c_2 a_{21} + c_1 a_{22} > 0$$

$$a_{12} a_{21} - a_{11} a_{22} > 0$$

$$c_1 a_{12} - c_2 a_{11} > 0$$

$$-a_{12}^3 a_{21}^3 + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 \geq 0$$

$$-a_{12}^2 a_{21}^2 + 2.00 \cdot a_{12} a_{11} a_{22} a_{21} - a_{11}^2 a_{22}^2 > 0$$

$$c_1 a_{12}^2 a_{21} - a_{12} c_2 a_{11} a_{21} - c_1 a_{12} a_{11} a_{22} + c_2 a_{11}^2 a_{22} \geq 0$$

$$-a_{12}^3 a_{21}^3 + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 > 0$$

$$a_{12}^3 a_{21}^3 - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 > 0$$

$$-a_{12}^8 a_{21}^8 + 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 +$$

$$56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - a_{11}^8 a_{22}^8 \geq 0$$

$$-a_{12}^8 a_{21}^8 + 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 +$$

$$56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - a_{11}^8 a_{22}^8 > 0$$

pot #31:

symbol a_{12} : $(-0.0, inf)$

symbol c_1 : $(-inf, 0.0)$

symbol c_2 : $(-0.0, inf)$

symbol a_{11} : $(-inf, 0.0)$

symbol a_{22} : $(-inf, 0.0)$

symbol b_1 : $[-0.0, inf)$

symbol b_2 : -0.0

symbol a_{21} : $(-0.0, inf)$

$$-c_2 a_{21} + c_1 a_{22} > 0$$

$$a_{12} a_{21} - a_{11} a_{22} > 0$$

$$c_1 a_{12} - c_2 a_{11} > 0$$

$$-a_{12}^3 a_{21}^3 + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 \geq 0$$

$$-a_{12}^2 a_{21}^2 + 2.00 \cdot a_{12} a_{11} a_{22} a_{21} - a_{11}^2 a_{22}^2 > 0$$

$$c_1 a_{12}^2 a_{21} - a_{12} c_2 a_{11} a_{21} - c_1 a_{12} a_{11} a_{22} + c_2 a_{11}^2 a_{22} \geq 0$$

$$-a_{12}^3 a_{21}^3 + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 > 0$$

$$a_{12}^3 a_{21}^3 - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 > 0$$

$$a_{12}^8 a_{21}^8 - 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 -$$

$$56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + a_{11}^8 a_{22}^8 \geq 0$$

$$a_{12}^8 a_{21}^8 - 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 -$$

$$56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + a_{11}^8 a_{22}^8 > 0$$

pot #32:

symbol $a_{12} : (-0.0, inf)$

symbol $c_1 : (-inf, 0.0)$

symbol $c_2 : (-0.0, inf)$

symbol $a_{11} : (-inf, 0.0)$

symbol $a_{22} : (-inf, 0.0)$

symbol $b_1 : [-0.0, inf)$

symbol $b_2 : [-0.0, inf)$

symbol $a_{21} : (-0.0, inf)$

$$-c_2 a_{21} + c_1 a_{22} > 0$$

$$a_{12} a_{21} - a_{11} a_{22} > 0$$

$$c_1 a_{12} - c_2 a_{11} > 0$$

$$-a_{12}^3 a_{21}^3 + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 \geq 0$$

$$-a_{12}^2 a_{21}^2 + 2.00 \cdot a_{12} a_{11} a_{22} a_{21} - a_{11}^2 a_{22}^2 > 0$$

$$c_1 a_{12}^2 a_{21} - a_{12} c_2 a_{11} a_{21} - c_1 a_{12} a_{11} a_{22} + c_2 a_{11}^2 a_{22} \geq 0$$

$$-a_{12}^3 a_{21}^3 + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 > 0$$

$$-a_{12}^8 a_{21}^8 + 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 +$$

$$56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - a_{11}^8 a_{22}^8 \geq 0$$

$$a_{12}^8 a_{21}^8 - 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 -$$

$$56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + a_{11}^8 a_{22}^8 > 0$$

pot #33:

symbol $a_{12} : (-0.0, inf)$

symbol $c_1 : (-inf, 0.0)$

symbol $c_2 : (-0.0, inf)$

symbol $a_{11} : (-inf, 0.0)$

symbol $a_{22} : (-inf, 0.0)$

symbol $b_1 : [-0.0, inf)$

symbol $b_2 : [-0.0, inf)$

symbol $a_{21} : (-0.0, inf)$

$$-c_2 a_{21} + c_1 a_{22} > 0$$

$$a_{12} a_{21} - a_{11} a_{22} > 0$$

$$c_1 a_{12} - c_2 a_{11} > 0$$

$$-a_{12}^3 a_{21}^3 + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 \geq 0$$

$$-a_{12}^2 a_{21}^2 + 2.00 \cdot a_{12} a_{11} a_{22} a_{21} - a_{11}^2 a_{22}^2 > 0$$

$$c_1 a_{12}^2 a_{21} - a_{12} c_2 a_{11} a_{21} - c_1 a_{12} a_{11} a_{22} + c_2 a_{11}^2 a_{22} \geq 0$$

$$-a_{12}^3 a_{21}^3 + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 > 0$$

$$a_{12}^8 a_{21}^8 - 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 -$$

$$56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + a_{11}^8 a_{22}^8 \geq 0$$

$$-a_{12}^8 a_{21}^8 + 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 +$$

$$56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - a_{11}^8 a_{22}^8 > 0$$

pot #34:

symbol $a_{12} : (-0.0, inf)$

symbol $c_1 : (-inf, 0.0)$

symbol $c_2 : (-0.0, inf)$

symbol $a_{11} : (-inf, 0.0)$

symbol $a_{22} : (-inf, 0.0)$

symbol $b_1 : [-0.0, inf)$

symbol $b_2 : -0.0$

symbol $a_{21} : (-0.0, inf)$

$$-c_2 a_{21} + c_1 a_{22} > 0$$

$$a_{12} a_{21} - a_{11} a_{22} > 0$$

$$c_1 a_{12} - c_2 a_{11} > 0$$

$$-a_{12}^3 a_{21}^3 + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 \geq 0$$

$$-a_{12}^2 a_{21}^2 + 2.00 \cdot a_{12} a_{11} a_{22} a_{21} - a_{11}^2 a_{22}^2 > 0$$

$$c_1 a_{12}^2 a_{21} - a_{12} c_2 a_{11} a_{21} - c_1 a_{12} a_{11} a_{22} + c_2 a_{11}^2 a_{22} \geq 0$$

$$-a_{12}^3 a_{21}^3 + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 > 0$$

$$-a_{12}^8 a_{21}^8 + 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 + 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - a_{11}^8 a_{22}^8 \geq 0$$

$$-a_{12}^8 a_{21}^8 + 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 + 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - a_{11}^8 a_{22}^8 > 0$$

pot #35:

symbol a_{12} : $(-0.0, inf)$

symbol c_1 : $(-inf, 0.0)$

symbol c_2 : $(-0.0, inf)$

symbol a_{11} : $(-inf, 0.0)$

symbol a_{22} : $(-inf, 0.0)$

symbol b_1 : $[-0.0, inf)$

symbol b_2 : -0.0

symbol a_{21} : $(-0.0, inf)$

$$-c_2 a_{21} + c_1 a_{22} > 0$$

$$a_{12} a_{21} - a_{11} a_{22} > 0$$

$$c_1 a_{12} - c_2 a_{11} > 0$$

$$-a_{12}^3 a_{21}^3 + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 \geq 0$$

$$-a_{12}^2 a_{21}^2 + 2.00 \cdot a_{12} a_{11} a_{22} a_{21} - a_{11}^2 a_{22}^2 > 0$$

$$c_1 a_{12}^2 a_{21} - a_{12} c_2 a_{11} a_{21} - c_1 a_{12} a_{11} a_{22} + c_2 a_{11}^2 a_{22} \geq 0$$

$$-a_{12}^3 a_{21}^3 + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 > 0$$

$$a_{12}^8 a_{21}^8 - 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 - 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + a_{11}^8 a_{22}^8 \geq 0$$

$$a_{12}^8 a_{21}^8 - 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 - 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + a_{11}^8 a_{22}^8 > 0$$

pot #36:

symbol a_{12} : $(-0.0, inf)$

symbol c_1 : $(-inf, 0.0)$

symbol c_2 : $(-0.0, inf)$

symbol a_{11} : $(-inf, 0.0)$

symbol a_{22} : $(-inf, 0.0)$

symbol b_1 : $[-0.0, inf)$

symbol b_2 : $[-0.0, inf)$

symbol a_{21} : $(-0.0, inf)$

$$-c_2 a_{21} + c_1 a_{22} > 0$$

$$a_{12} a_{21} - a_{11} a_{22} > 0$$

$$c_1 a_{12} - c_2 a_{11} > 0$$

$$-a_{12}^3 a_{21}^3 + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 \geq 0$$

$$-a_{12}^2 a_{21}^2 + 2.00 \cdot a_{12} a_{11} a_{22} a_{21} - a_{11}^2 a_{22}^2 > 0$$

$$c_1 a_{12}^2 a_{21} - a_{12} c_2 a_{11} a_{21} - c_1 a_{12} a_{11} a_{22} + c_2 a_{11}^2 a_{22} \geq 0$$

$$a_{12}^3 a_{21}^3 - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 > 0$$

pot #37:

symbol a_{12} : $(-0.0, inf)$

symbol c_1 : $(-inf, 0.0)$

symbol c_2 : $(-0.0, inf)$

symbol a_{11} : $(-inf, 0.0)$

symbol $a_{22} : (-inf, 0.0)$
symbol $b_1 : [-0.0, inf)$
symbol $b_2 : [-0.0, inf)$
symbol $a_{21} : (-0.0, inf)$
 $-c_2a_{21} + c_1a_{22} > 0$
 $a_{12}a_{21} - a_{11}a_{22} > 0$
 $c_1a_{12} - c_2a_{11} > 0$
 $-a_{12}^3a_{21}^3 + 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 - 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} + a_{11}^3a_{22}^3 \geq 0$
 $-a_{12}^2a_{21}^2 + 2.00 \cdot a_{12}a_{11}a_{22}a_{21} - a_{11}^2a_{22}^2 > 0$
 $c_1a_{12}^2a_{21} - a_{12}c_2a_{11}a_{21} - c_1a_{12}a_{11}a_{22} + c_2a_{11}^2a_{22} \geq 0$
 $a_{12}^3a_{21}^3 - 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 + 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} - a_{11}^3a_{22}^3 > 0$
 $a_{12}^3a_{21}^3 - 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 + 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} - a_{11}^3a_{22}^3 \geq 0$
 $-a_{12}^3a_{21}^3 + 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 - 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} + a_{11}^3a_{22}^3 > 0$
pot #38:
symbol $a_{12} : (-0.0, inf)$
symbol $c_1 : (-inf, 0.0)$
symbol $c_2 : (-0.0, inf)$
symbol $a_{11} : (-inf, 0.0)$
symbol $a_{22} : (-inf, 0.0)$
symbol $b_1 : [-0.0, inf)$
symbol $b_2 : [-0.0, inf)$
symbol $a_{21} : (-0.0, inf)$
 $-c_2a_{21} + c_1a_{22} > 0$
 $a_{12}a_{21} - a_{11}a_{22} > 0$
 $c_1a_{12} - c_2a_{11} > 0$
 $-a_{12}^3a_{21}^3 + 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 - 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} + a_{11}^3a_{22}^3 \geq 0$
 $-a_{12}^2a_{21}^2 + 2.00 \cdot a_{12}a_{11}a_{22}a_{21} - a_{11}^2a_{22}^2 > 0$
 $c_1a_{12}^2a_{21} - a_{12}c_2a_{11}a_{21} - c_1a_{12}a_{11}a_{22} + c_2a_{11}^2a_{22} \geq 0$
 $-a_{12}^3a_{21}^3 + 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 - 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} + a_{11}^3a_{22}^3 > 0$
 $a_{12}^3a_{21}^3 - 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 + 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} - a_{11}^3a_{22}^3 > 0$
pot #39:
symbol $a_{12} : (-0.0, inf)$
symbol $c_1 : (-inf, 0.0)$
symbol $c_2 : (-0.0, inf)$
symbol $a_{11} : (-inf, 0.0)$
symbol $a_{22} : (-inf, 0.0)$
symbol $b_1 : [-0.0, inf)$
symbol $b_2 : [-0.0, inf)$
symbol $a_{21} : (-0.0, inf)$
 $-c_2a_{21} + c_1a_{22} > 0$
 $a_{12}a_{21} - a_{11}a_{22} > 0$
 $c_1a_{12} - c_2a_{11} > 0$
 $-a_{12}^3a_{21}^3 + 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 - 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} + a_{11}^3a_{22}^3 \geq 0$
 $-a_{12}^2a_{21}^2 + 2.00 \cdot a_{12}a_{11}a_{22}a_{21} - a_{11}^2a_{22}^2 > 0$
 $c_1a_{12}^2a_{21} - a_{12}c_2a_{11}a_{21} - c_1a_{12}a_{11}a_{22} + c_2a_{11}^2a_{22} \geq 0$
 $-a_{12}^3a_{21}^3 + 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 - 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} + a_{11}^3a_{22}^3 > 0$
 $a_{12}^3a_{21}^3 - 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 + 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} - a_{11}^3a_{22}^3 \geq 0$
pot #40:
symbol $a_{12} : (-0.0, inf)$
symbol $c_1 : (-inf, 0.0)$

symbol $c_2 : (-0.0, inf)$
symbol $a_{11} : (-inf, 0.0)$
symbol $a_{22} : (-inf, 0.0)$
symbol $b_1 : -0.0$
symbol $b_2 : [-0.0, inf)$
symbol $a_{21} : (-0.0, inf)$
 $-c_2 a_{21} + c_1 a_{22} > 0$
 $a_{12} a_{21} - a_{11} a_{22} > 0$
 $c_1 a_{12} - c_2 a_{11} > 0$
 $a_{12}^3 a_{21}^3 - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 \geq 0$
 $-a_{12}^2 a_{21}^2 + 2.00 \cdot a_{12} a_{11} a_{22} a_{21} - a_{11}^2 a_{22}^2 > 0$
 $c_1 a_{12}^2 a_{21} - a_{12} c_2 a_{11} a_{21} - c_1 a_{12} a_{11} a_{22} + c_2 a_{11}^2 a_{22} \geq 0$
 $a_{12}^3 a_{21}^3 - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 > 0$
 $-a_{12}^8 a_{21}^8 + 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 +$
 $56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - a_{11}^8 a_{22}^8 \geq 0$
 $a_{12}^8 a_{21}^8 - 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 -$
 $56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + a_{11}^8 a_{22}^8 > 0$
pot #41:
symbol $a_{12} : (-0.0, inf)$
symbol $c_1 : (-inf, 0.0)$
symbol $c_2 : (-0.0, inf)$
symbol $a_{11} : (-inf, 0.0)$
symbol $a_{22} : (-inf, 0.0)$
symbol $b_1 : -0.0$
symbol $b_2 : [-0.0, inf)$
symbol $a_{21} : (-0.0, inf)$
 $-c_2 a_{21} + c_1 a_{22} > 0$
 $a_{12} a_{21} - a_{11} a_{22} > 0$
 $c_1 a_{12} - c_2 a_{11} > 0$
 $a_{12}^3 a_{21}^3 - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 \geq 0$
 $-a_{12}^2 a_{21}^2 + 2.00 \cdot a_{12} a_{11} a_{22} a_{21} - a_{11}^2 a_{22}^2 > 0$
 $c_1 a_{12}^2 a_{21} - a_{12} c_2 a_{11} a_{21} - c_1 a_{12} a_{11} a_{22} + c_2 a_{11}^2 a_{22} \geq 0$
 $a_{12}^3 a_{21}^3 - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 > 0$
 $a_{12}^8 a_{21}^8 - 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 -$
 $56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + a_{11}^8 a_{22}^8 \geq 0$
 $-a_{12}^8 a_{21}^8 + 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 +$
 $56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - a_{11}^8 a_{22}^8 > 0$
pot #42:
symbol $a_{12} : (-0.0, inf)$
symbol $c_1 : (-inf, 0.0)$
symbol $c_2 : (-0.0, inf)$
symbol $a_{11} : (-inf, 0.0)$
symbol $a_{22} : (-inf, 0.0)$
symbol $b_1 : -0.0$
symbol $b_2 : -0.0$
symbol $a_{21} : (-0.0, inf)$
 $-c_2 a_{21} + c_1 a_{22} > 0$
 $a_{12} a_{21} - a_{11} a_{22} > 0$
 $c_1 a_{12} - c_2 a_{11} > 0$
 $a_{12}^3 a_{21}^3 - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 \geq 0$

$$\begin{aligned}
& -a_{12}^2 a_{21}^2 + 2.00 \cdot a_{12} a_{11} a_{22} a_{21} - a_{11}^2 a_{22}^2 > 0 \\
& c_1 a_{12}^2 a_{21} - a_{12} c_2 a_{11} a_{21} - c_1 a_{12} a_{11} a_{22} + c_2 a_{11}^2 a_{22} \geq 0 \\
& a_{12}^3 a_{21}^3 - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 > 0 \\
& -a_{12}^8 a_{21}^8 + 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 + \\
& 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - a_{11}^8 a_{22}^8 \geq 0 \\
& -a_{12}^8 a_{21}^8 + 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 + \\
& 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - a_{11}^8 a_{22}^8 > 0
\end{aligned}$$

pot #43:

symbol a_{12} : $(-0.0, inf)$

symbol c_1 : $(-inf, 0.0)$

symbol c_2 : $(-0.0, inf)$

symbol a_{11} : $(-inf, 0.0)$

symbol a_{22} : $(-inf, 0.0)$

symbol b_1 : -0.0

symbol b_2 : -0.0

symbol a_{21} : $(-0.0, inf)$

$$-c_2 a_{21} + c_1 a_{22} > 0$$

$$a_{12} a_{21} - a_{11} a_{22} > 0$$

$$c_1 a_{12} - c_2 a_{11} > 0$$

$$a_{12}^3 a_{21}^3 - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 \geq 0$$

$$-a_{12}^2 a_{21}^2 + 2.00 \cdot a_{12} a_{11} a_{22} a_{21} - a_{11}^2 a_{22}^2 > 0$$

$$c_1 a_{12}^2 a_{21} - a_{12} c_2 a_{11} a_{21} - c_1 a_{12} a_{11} a_{22} + c_2 a_{11}^2 a_{22} \geq 0$$

$$a_{12}^3 a_{21}^3 - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 > 0$$

$$a_{12}^8 a_{21}^8 - 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 -$$

$$56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + a_{11}^8 a_{22}^8 \geq 0$$

$$a_{12}^8 a_{21}^8 - 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 -$$

$$56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + a_{11}^8 a_{22}^8 > 0$$

pot #44:

symbol a_{12} : $(-0.0, inf)$

symbol c_1 : $(-inf, 0.0)$

symbol c_2 : $(-0.0, inf)$

symbol a_{11} : $(-inf, 0.0)$

symbol a_{22} : $(-inf, 0.0)$

symbol b_1 : -0.0

symbol b_2 : $[-0.0, inf)$

symbol a_{21} : $(-0.0, inf)$

$$-c_2 a_{21} + c_1 a_{22} > 0$$

$$a_{12} a_{21} - a_{11} a_{22} > 0$$

$$c_1 a_{12} - c_2 a_{11} > 0$$

$$a_{12}^3 a_{21}^3 - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 \geq 0$$

$$-a_{12}^2 a_{21}^2 + 2.00 \cdot a_{12} a_{11} a_{22} a_{21} - a_{11}^2 a_{22}^2 > 0$$

$$c_1 a_{12}^2 a_{21} - a_{12} c_2 a_{11} a_{21} - c_1 a_{12} a_{11} a_{22} + c_2 a_{11}^2 a_{22} \geq 0$$

$$a_{12}^3 a_{21}^3 - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 > 0$$

$$-a_{12}^3 a_{21}^3 + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 > 0$$

$$-a_{12}^8 a_{21}^8 + 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 +$$

$$56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - a_{11}^8 a_{22}^8 \geq 0$$

$$a_{12}^8 a_{21}^8 - 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 -$$

$$56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + a_{11}^8 a_{22}^8 > 0$$

pot #45:

symbol a_{12} : $(-0.0, inf)$

symbol $c_1 : (-inf, 0.0)$
symbol $c_2 : (-0.0, inf)$
symbol $a_{11} : (-inf, 0.0)$
symbol $a_{22} : (-inf, 0.0)$
symbol $b_1 : -0.0$
symbol $b_2 : [-0.0, inf)$
symbol $a_{21} : (-0.0, inf)$
 $-c_2 a_{21} + c_1 a_{22} > 0$
 $a_{12} a_{21} - a_{11} a_{22} > 0$
 $c_1 a_{12} - c_2 a_{11} > 0$
 $a_{12}^3 a_{21}^3 - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 \geq 0$
 $-a_{12}^2 a_{21}^2 + 2.00 \cdot a_{12} a_{11} a_{22} a_{21} - a_{11}^2 a_{22}^2 > 0$
 $c_1 a_{12}^2 a_{21} - a_{12} c_2 a_{11} a_{21} - c_1 a_{12} a_{11} a_{22} + c_2 a_{11}^2 a_{22} \geq 0$
 $a_{12}^3 a_{21}^3 - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 > 0$
 $-a_{12}^3 a_{21}^3 + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 > 0$
 $a_{12}^8 a_{21}^8 - 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 -$
 $56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + a_{11}^8 a_{22}^8 \geq 0$
 $-a_{12}^8 a_{21}^8 + 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 +$
 $56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - a_{11}^8 a_{22}^8 > 0$
pot #46:
symbol $a_{12} : (-0.0, inf)$
symbol $c_1 : (-inf, 0.0)$
symbol $c_2 : (-0.0, inf)$
symbol $a_{11} : (-inf, 0.0)$
symbol $a_{22} : (-inf, 0.0)$
symbol $b_1 : -0.0$
symbol $b_2 : -0.0$
symbol $a_{21} : (-0.0, inf)$
 $-c_2 a_{21} + c_1 a_{22} > 0$
 $a_{12} a_{21} - a_{11} a_{22} > 0$
 $c_1 a_{12} - c_2 a_{11} > 0$
 $a_{12}^3 a_{21}^3 - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 \geq 0$
 $-a_{12}^2 a_{21}^2 + 2.00 \cdot a_{12} a_{11} a_{22} a_{21} - a_{11}^2 a_{22}^2 > 0$
 $c_1 a_{12}^2 a_{21} - a_{12} c_2 a_{11} a_{21} - c_1 a_{12} a_{11} a_{22} + c_2 a_{11}^2 a_{22} \geq 0$
 $a_{12}^3 a_{21}^3 - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 > 0$
 $-a_{12}^3 a_{21}^3 + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 > 0$
 $-a_{12}^8 a_{21}^8 + 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 +$
 $56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - a_{11}^8 a_{22}^8 \geq 0$
 $-a_{12}^8 a_{21}^8 + 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 +$
 $56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - a_{11}^8 a_{22}^8 > 0$
pot #47:
symbol $a_{12} : (-0.0, inf)$
symbol $c_1 : (-inf, 0.0)$
symbol $c_2 : (-0.0, inf)$
symbol $a_{11} : (-inf, 0.0)$
symbol $a_{22} : (-inf, 0.0)$
symbol $b_1 : -0.0$
symbol $b_2 : -0.0$
symbol $a_{21} : (-0.0, inf)$
 $-c_2 a_{21} + c_1 a_{22} > 0$

$$a_{12}a_{21} - a_{11}a_{22} > 0$$

$$c_1a_{12} - c_2a_{11} > 0$$

$$a_{12}^3a_{21}^3 - 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 + 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} - a_{11}^3a_{22}^3 \geq 0$$

$$-a_{12}^2a_{21}^2 + 2.00 \cdot a_{12}a_{11}a_{22}a_{21} - a_{11}^2a_{22}^2 > 0$$

$$c_1a_{12}^2a_{21} - a_{12}c_2a_{11}a_{21} - c_1a_{12}a_{11}a_{22} + c_2a_{11}^2a_{22} \geq 0$$

$$a_{12}^3a_{21}^3 - 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 + 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} - a_{11}^3a_{22}^3 > 0$$

$$-a_{12}^3a_{21}^3 + 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 - 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} + a_{11}^3a_{22}^3 > 0$$

$$a_{12}^8a_{21}^8 - 8.00 \cdot a_{12}^7a_{11}a_{22}a_{21}^7 + 28.00 \cdot a_{12}^6a_{11}^2a_{22}^2a_{21}^6 - 56.00 \cdot a_{12}^5a_{11}^3a_{22}^3a_{21}^5 + 70.00 \cdot a_{12}^4a_{11}^4a_{22}^4a_{21}^4 - 56.00 \cdot a_{12}^3a_{11}^5a_{22}^5a_{21}^3 + 28.00 \cdot a_{12}^2a_{11}^6a_{22}^6a_{21}^2 - 8.00 \cdot a_{12}a_{11}^7a_{22}^7a_{21} + a_{11}^8a_{22}^8 \geq 0$$

$$a_{12}^8a_{21}^8 - 8.00 \cdot a_{12}^7a_{11}a_{22}a_{21}^7 + 28.00 \cdot a_{12}^6a_{11}^2a_{22}^2a_{21}^6 - 56.00 \cdot a_{12}^5a_{11}^3a_{22}^3a_{21}^5 + 70.00 \cdot a_{12}^4a_{11}^4a_{22}^4a_{21}^4 - 56.00 \cdot a_{12}^3a_{11}^5a_{22}^5a_{21}^3 + 28.00 \cdot a_{12}^2a_{11}^6a_{22}^6a_{21}^2 - 8.00 \cdot a_{12}a_{11}^7a_{22}^7a_{21} + a_{11}^8a_{22}^8 > 0$$

pot #48:

symbol a_{12} : $(-0.0, inf)$

symbol c_1 : $(-inf, 0.0)$

symbol c_2 : $(-0.0, inf)$

symbol a_{11} : $(-inf, 0.0)$

symbol a_{22} : $(-inf, 0.0)$

symbol b_1 : -0.0

symbol b_2 : $[-0.0, inf)$

symbol a_{21} : $(-0.0, inf)$

$$-c_2a_{21} + c_1a_{22} > 0$$

$$a_{12}a_{21} - a_{11}a_{22} > 0$$

$$c_1a_{12} - c_2a_{11} > 0$$

$$a_{12}^3a_{21}^3 - 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 + 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} - a_{11}^3a_{22}^3 \geq 0$$

$$-a_{12}^2a_{21}^2 + 2.00 \cdot a_{12}a_{11}a_{22}a_{21} - a_{11}^2a_{22}^2 > 0$$

$$c_1a_{12}^2a_{21} - a_{12}c_2a_{11}a_{21} - c_1a_{12}a_{11}a_{22} + c_2a_{11}^2a_{22} \geq 0$$

$$-a_{12}^3a_{21}^3 + 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 - 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} + a_{11}^3a_{22}^3 > 0$$

$$a_{12}^3a_{21}^3 - 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 + 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} - a_{11}^3a_{22}^3 > 0$$

$$-a_{12}^8a_{21}^8 + 8.00 \cdot a_{12}^7a_{11}a_{22}a_{21}^7 - 28.00 \cdot a_{12}^6a_{11}^2a_{22}^2a_{21}^6 + 56.00 \cdot a_{12}^5a_{11}^3a_{22}^3a_{21}^5 - 70.00 \cdot a_{12}^4a_{11}^4a_{22}^4a_{21}^4 + 56.00 \cdot a_{12}^3a_{11}^5a_{22}^5a_{21}^3 - 28.00 \cdot a_{12}^2a_{11}^6a_{22}^6a_{21}^2 + 8.00 \cdot a_{12}a_{11}^7a_{22}^7a_{21} - a_{11}^8a_{22}^8 \geq 0$$

$$a_{12}^8a_{21}^8 - 8.00 \cdot a_{12}^7a_{11}a_{22}a_{21}^7 + 28.00 \cdot a_{12}^6a_{11}^2a_{22}^2a_{21}^6 - 56.00 \cdot a_{12}^5a_{11}^3a_{22}^3a_{21}^5 + 70.00 \cdot a_{12}^4a_{11}^4a_{22}^4a_{21}^4 - 56.00 \cdot a_{12}^3a_{11}^5a_{22}^5a_{21}^3 + 28.00 \cdot a_{12}^2a_{11}^6a_{22}^6a_{21}^2 - 8.00 \cdot a_{12}a_{11}^7a_{22}^7a_{21} + a_{11}^8a_{22}^8 > 0$$

pot #49:

symbol a_{12} : $(-0.0, inf)$

symbol c_1 : $(-inf, 0.0)$

symbol c_2 : $(-0.0, inf)$

symbol a_{11} : $(-inf, 0.0)$

symbol a_{22} : $(-inf, 0.0)$

symbol b_1 : -0.0

symbol b_2 : $[-0.0, inf)$

symbol a_{21} : $(-0.0, inf)$

$$-c_2a_{21} + c_1a_{22} > 0$$

$$a_{12}a_{21} - a_{11}a_{22} > 0$$

$$c_1a_{12} - c_2a_{11} > 0$$

$$a_{12}^3a_{21}^3 - 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 + 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} - a_{11}^3a_{22}^3 \geq 0$$

$$-a_{12}^2a_{21}^2 + 2.00 \cdot a_{12}a_{11}a_{22}a_{21} - a_{11}^2a_{22}^2 > 0$$

$$c_1a_{12}^2a_{21} - a_{12}c_2a_{11}a_{21} - c_1a_{12}a_{11}a_{22} + c_2a_{11}^2a_{22} \geq 0$$

$$-a_{12}^3a_{21}^3 + 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 - 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} + a_{11}^3a_{22}^3 > 0$$

$$a_{12}^3a_{21}^3 - 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 + 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} - a_{11}^3a_{22}^3 > 0$$

$$a_{12}^8a_{21}^8 - 8.00 \cdot a_{12}^7a_{11}a_{22}a_{21}^7 + 28.00 \cdot a_{12}^6a_{11}^2a_{22}^2a_{21}^6 - 56.00 \cdot a_{12}^5a_{11}^3a_{22}^3a_{21}^5 + 70.00 \cdot a_{12}^4a_{11}^4a_{22}^4a_{21}^4 -$$

$$\begin{aligned}
& 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + a_{11}^8 a_{22}^8 \geq 0 \\
& -a_{12}^8 a_{21}^8 + 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 + \\
& 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - a_{11}^8 a_{22}^8 > 0
\end{aligned}$$

pot #50:

symbol a_{12} : $(-0.0, inf)$

symbol c_1 : $(-inf, 0.0)$

symbol c_2 : $(-0.0, inf)$

symbol a_{11} : $(-inf, 0.0)$

symbol a_{22} : $(-inf, 0.0)$

symbol b_1 : -0.0

symbol b_2 : -0.0

symbol a_{21} : $(-0.0, inf)$

$$-c_2 a_{21} + c_1 a_{22} > 0$$

$$a_{12} a_{21} - a_{11} a_{22} > 0$$

$$c_1 a_{12} - c_2 a_{11} > 0$$

$$a_{12}^3 a_{21}^3 - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 \geq 0$$

$$-a_{12}^2 a_{21}^2 + 2.00 \cdot a_{12} a_{11} a_{22} a_{21} - a_{11}^2 a_{22}^2 > 0$$

$$c_1 a_{12}^2 a_{21} - a_{12} c_2 a_{11} a_{21} - c_1 a_{12} a_{11} a_{22} + c_2 a_{11}^2 a_{22} \geq 0$$

$$-a_{12}^3 a_{21}^3 + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 > 0$$

$$a_{12}^3 a_{21}^3 - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 > 0$$

$$-a_{12}^8 a_{21}^8 + 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 +$$

$$56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - a_{11}^8 a_{22}^8 \geq 0$$

$$-a_{12}^8 a_{21}^8 + 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 +$$

$$56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - a_{11}^8 a_{22}^8 > 0$$

pot #51:

symbol a_{12} : $(-0.0, inf)$

symbol c_1 : $(-inf, 0.0)$

symbol c_2 : $(-0.0, inf)$

symbol a_{11} : $(-inf, 0.0)$

symbol a_{22} : $(-inf, 0.0)$

symbol b_1 : -0.0

symbol b_2 : -0.0

symbol a_{21} : $(-0.0, inf)$

$$-c_2 a_{21} + c_1 a_{22} > 0$$

$$a_{12} a_{21} - a_{11} a_{22} > 0$$

$$c_1 a_{12} - c_2 a_{11} > 0$$

$$a_{12}^3 a_{21}^3 - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 \geq 0$$

$$-a_{12}^2 a_{21}^2 + 2.00 \cdot a_{12} a_{11} a_{22} a_{21} - a_{11}^2 a_{22}^2 > 0$$

$$c_1 a_{12}^2 a_{21} - a_{12} c_2 a_{11} a_{21} - c_1 a_{12} a_{11} a_{22} + c_2 a_{11}^2 a_{22} \geq 0$$

$$-a_{12}^3 a_{21}^3 + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 > 0$$

$$a_{12}^3 a_{21}^3 - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 > 0$$

$$a_{12}^8 a_{21}^8 - 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 -$$

$$56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + a_{11}^8 a_{22}^8 \geq 0$$

$$a_{12}^8 a_{21}^8 - 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 -$$

$$56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + a_{11}^8 a_{22}^8 > 0$$

pot #52:

symbol a_{12} : $(-0.0, inf)$

symbol c_1 : $(-inf, 0.0)$

symbol c_2 : $(-0.0, inf)$

symbol a_{11} : $(-inf, 0.0)$

symbol a_{22} : $(-inf, 0.0)$

symbol b_1 : -0.0

symbol b_2 : $[-0.0, inf)$

symbol a_{21} : $(-0.0, inf)$

$$-c_2 a_{21} + c_1 a_{22} > 0$$

$$a_{12} a_{21} - a_{11} a_{22} > 0$$

$$c_1 a_{12} - c_2 a_{11} > 0$$

$$a_{12}^3 a_{21}^3 - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 \geq 0$$

$$-a_{12}^2 a_{21}^2 + 2.00 \cdot a_{12} a_{11} a_{22} a_{21} - a_{11}^2 a_{22}^2 > 0$$

$$c_1 a_{12}^2 a_{21} - a_{12} c_2 a_{11} a_{21} - c_1 a_{12} a_{11} a_{22} + c_2 a_{11}^2 a_{22} \geq 0$$

$$-a_{12}^3 a_{21}^3 + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 > 0$$

$$-a_{12}^8 a_{21}^8 + 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 + 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - a_{11}^8 a_{22}^8 \geq 0$$

$$a_{12}^8 a_{21}^8 - 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 - 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + a_{11}^8 a_{22}^8 > 0$$

pot #53:

symbol a_{12} : $(-0.0, inf)$

symbol c_1 : $(-inf, 0.0)$

symbol c_2 : $(-0.0, inf)$

symbol a_{11} : $(-inf, 0.0)$

symbol a_{22} : $(-inf, 0.0)$

symbol b_1 : -0.0

symbol b_2 : $[-0.0, inf)$

symbol a_{21} : $(-0.0, inf)$

$$-c_2 a_{21} + c_1 a_{22} > 0$$

$$a_{12} a_{21} - a_{11} a_{22} > 0$$

$$c_1 a_{12} - c_2 a_{11} > 0$$

$$a_{12}^3 a_{21}^3 - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 \geq 0$$

$$-a_{12}^2 a_{21}^2 + 2.00 \cdot a_{12} a_{11} a_{22} a_{21} - a_{11}^2 a_{22}^2 > 0$$

$$c_1 a_{12}^2 a_{21} - a_{12} c_2 a_{11} a_{21} - c_1 a_{12} a_{11} a_{22} + c_2 a_{11}^2 a_{22} \geq 0$$

$$-a_{12}^3 a_{21}^3 + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 > 0$$

$$a_{12}^8 a_{21}^8 - 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 - 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + a_{11}^8 a_{22}^8 \geq 0$$

$$-a_{12}^8 a_{21}^8 + 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 + 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - a_{11}^8 a_{22}^8 > 0$$

pot #54:

symbol a_{12} : $(-0.0, inf)$

symbol c_1 : $(-inf, 0.0)$

symbol c_2 : $(-0.0, inf)$

symbol a_{11} : $(-inf, 0.0)$

symbol a_{22} : $(-inf, 0.0)$

symbol b_1 : -0.0

symbol b_2 : -0.0

symbol a_{21} : $(-0.0, inf)$

$$-c_2 a_{21} + c_1 a_{22} > 0$$

$$a_{12} a_{21} - a_{11} a_{22} > 0$$

$$c_1 a_{12} - c_2 a_{11} > 0$$

$$a_{12}^3 a_{21}^3 - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 \geq 0$$

$$-a_{12}^2 a_{21}^2 + 2.00 \cdot a_{12} a_{11} a_{22} a_{21} - a_{11}^2 a_{22}^2 > 0$$

$$c_1 a_{12}^2 a_{21} - a_{12} c_2 a_{11} a_{21} - c_1 a_{12} a_{11} a_{22} + c_2 a_{11}^2 a_{22} \geq 0$$

$$\begin{aligned}
& -a_{12}^3 a_{21}^3 + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 > 0 \\
& -a_{12}^8 a_{21}^8 + 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 + \\
& 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - a_{11}^8 a_{22}^8 \geq 0 \\
& -a_{12}^8 a_{21}^8 + 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 + \\
& 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - a_{11}^8 a_{22}^8 > 0
\end{aligned}$$

pot #55:

symbol a_{12} : $(-0.0, inf)$

symbol c_1 : $(-inf, 0.0)$

symbol c_2 : $(-0.0, inf)$

symbol a_{11} : $(-inf, 0.0)$

symbol a_{22} : $(-inf, 0.0)$

symbol b_1 : -0.0

symbol b_2 : -0.0

symbol a_{21} : $(-0.0, inf)$

$$-c_2 a_{21} + c_1 a_{22} > 0$$

$$a_{12} a_{21} - a_{11} a_{22} > 0$$

$$c_1 a_{12} - c_2 a_{11} > 0$$

$$a_{12}^3 a_{21}^3 - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 \geq 0$$

$$-a_{12}^2 a_{21}^2 + 2.00 \cdot a_{12} a_{11} a_{22} a_{21} - a_{11}^2 a_{22}^2 > 0$$

$$c_1 a_{12}^2 a_{21} - a_{12} c_2 a_{11} a_{21} - c_1 a_{12} a_{11} a_{22} + c_2 a_{11}^2 a_{22} \geq 0$$

$$-a_{12}^3 a_{21}^3 + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 > 0$$

$$a_{12}^8 a_{21}^8 - 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 -$$

$$56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + a_{11}^8 a_{22}^8 \geq 0$$

$$a_{12}^8 a_{21}^8 - 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 -$$

$$56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + a_{11}^8 a_{22}^8 > 0$$

pot #56:

symbol a_{12} : $(-0.0, inf)$

symbol c_1 : $(-inf, 0.0)$

symbol c_2 : $(-0.0, inf)$

symbol a_{11} : $(-inf, 0.0)$

symbol a_{22} : $(-inf, 0.0)$

symbol b_1 : -0.0

symbol b_2 : $[-0.0, inf)$

symbol a_{21} : $(-0.0, inf)$

$$-c_2 a_{21} + c_1 a_{22} > 0$$

$$a_{12} a_{21} - a_{11} a_{22} > 0$$

$$c_1 a_{12} - c_2 a_{11} > 0$$

$$a_{12}^3 a_{21}^3 - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 \geq 0$$

$$-a_{12}^2 a_{21}^2 + 2.00 \cdot a_{12} a_{11} a_{22} a_{21} - a_{11}^2 a_{22}^2 > 0$$

$$c_1 a_{12}^2 a_{21} - a_{12} c_2 a_{11} a_{21} - c_1 a_{12} a_{11} a_{22} + c_2 a_{11}^2 a_{22} \geq 0$$

$$a_{12}^3 a_{21}^3 - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 > 0$$

$$-a_{12}^3 a_{21}^3 + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 \geq 0$$

pot #57:

symbol a_{12} : $(-0.0, inf)$

symbol c_1 : $(-inf, 0.0)$

symbol c_2 : $(-0.0, inf)$

symbol a_{11} : $(-inf, 0.0)$

symbol a_{22} : $(-inf, 0.0)$

symbol b_1 : -0.0

symbol b_2 : $[-0.0, inf)$

symbol $a_{21} : (-0.0, inf)$

$$-c_2 a_{21} + c_1 a_{22} > 0$$

$$a_{12} a_{21} - a_{11} a_{22} > 0$$

$$c_1 a_{12} - c_2 a_{11} > 0$$

$$a_{12}^3 a_{21}^3 - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 \geq 0$$

$$-a_{12}^2 a_{21}^2 + 2.00 \cdot a_{12} a_{11} a_{22} a_{21} - a_{11}^2 a_{22}^2 > 0$$

$$c_1 a_{12}^2 a_{21} - a_{12} c_2 a_{11} a_{21} - c_1 a_{12} a_{11} a_{22} + c_2 a_{11}^2 a_{22} \geq 0$$

$$a_{12}^3 a_{21}^3 - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 > 0$$

$$-a_{12}^3 a_{21}^3 + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 > 0$$

pot #58:

symbol $a_{12} : (-0.0, inf)$

symbol $c_1 : (-inf, 0.0)$

symbol $c_2 : (-0.0, inf)$

symbol $a_{11} : (-inf, 0.0)$

symbol $a_{22} : (-inf, 0.0)$

symbol $b_1 : -0.0$

symbol $b_2 : [-0.0, inf)$

symbol $a_{21} : (-0.0, inf)$

$$-c_2 a_{21} + c_1 a_{22} > 0$$

$$a_{12} a_{21} - a_{11} a_{22} > 0$$

$$c_1 a_{12} - c_2 a_{11} > 0$$

$$a_{12}^3 a_{21}^3 - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 \geq 0$$

$$-a_{12}^2 a_{21}^2 + 2.00 \cdot a_{12} a_{11} a_{22} a_{21} - a_{11}^2 a_{22}^2 > 0$$

$$c_1 a_{12}^2 a_{21} - a_{12} c_2 a_{11} a_{21} - c_1 a_{12} a_{11} a_{22} + c_2 a_{11}^2 a_{22} \geq 0$$

$$-a_{12}^3 a_{21}^3 + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 > 0$$

$$-a_{12}^3 a_{21}^3 + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 \geq 0$$

$$a_{12}^3 a_{21}^3 - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 > 0$$

pot #59:

symbol $a_{12} : (-0.0, inf)$

symbol $c_1 : (-inf, 0.0)$

symbol $c_2 : (-0.0, inf)$

symbol $a_{11} : (-inf, 0.0)$

symbol $a_{22} : (-inf, 0.0)$

symbol $b_1 : -0.0$

symbol $b_2 : [-0.0, inf)$

symbol $a_{21} : (-0.0, inf)$

$$-c_2 a_{21} + c_1 a_{22} > 0$$

$$a_{12} a_{21} - a_{11} a_{22} > 0$$

$$c_1 a_{12} - c_2 a_{11} > 0$$

$$a_{12}^3 a_{21}^3 - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 \geq 0$$

$$-a_{12}^2 a_{21}^2 + 2.00 \cdot a_{12} a_{11} a_{22} a_{21} - a_{11}^2 a_{22}^2 > 0$$

$$c_1 a_{12}^2 a_{21} - a_{12} c_2 a_{11} a_{21} - c_1 a_{12} a_{11} a_{22} + c_2 a_{11}^2 a_{22} \geq 0$$

$$-a_{12}^3 a_{21}^3 + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 > 0$$

pot #60:

symbol $a_{12} : (-0.0, inf)$

symbol $c_1 : (-inf, 0.0)$

symbol $c_2 : (-0.0, inf)$

symbol $a_{11} : (-inf, 0.0)$

symbol $a_{22} : (-inf, 0.0)$

symbol $b_1 : -0.0$

symbol $b_2 : [-0.0, inf)$

symbol $a_{21} : (-0.0, inf)$

$$-c_2 a_{21} + c_1 a_{22} > 0$$

$$a_{12} a_{21} - a_{11} a_{22} > 0$$

$$c_1 a_{12} - c_2 a_{11} > 0$$

$$-a_{12}^3 a_{21}^3 + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 \geq 0$$

$$a_{12}^2 a_{21}^2 - 2.00 \cdot a_{12} a_{11} a_{22} a_{21} + a_{11}^2 a_{22}^2 > 0$$

$$c_1 a_{12}^2 a_{21} - a_{12} c_2 a_{11} a_{21} - c_1 a_{12} a_{11} a_{22} + c_2 a_{11}^2 a_{22} \geq 0$$

$$a_{12}^3 a_{21}^3 - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 > 0$$

$$-a_{12}^8 a_{21}^8 + 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 +$$

$$56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - a_{11}^8 a_{22}^8 \geq 0$$

$$a_{12}^8 a_{21}^8 - 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 -$$

$$56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + a_{11}^8 a_{22}^8 > 0$$

pot #61:

symbol $a_{12} : (-0.0, inf)$

symbol $c_1 : (-inf, 0.0)$

symbol $c_2 : (-0.0, inf)$

symbol $a_{11} : (-inf, 0.0)$

symbol $a_{22} : (-inf, 0.0)$

symbol $b_1 : -0.0$

symbol $b_2 : [-0.0, inf)$

symbol $a_{21} : (-0.0, inf)$

$$-c_2 a_{21} + c_1 a_{22} > 0$$

$$a_{12} a_{21} - a_{11} a_{22} > 0$$

$$c_1 a_{12} - c_2 a_{11} > 0$$

$$-a_{12}^3 a_{21}^3 + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 \geq 0$$

$$a_{12}^2 a_{21}^2 - 2.00 \cdot a_{12} a_{11} a_{22} a_{21} + a_{11}^2 a_{22}^2 > 0$$

$$c_1 a_{12}^2 a_{21} - a_{12} c_2 a_{11} a_{21} - c_1 a_{12} a_{11} a_{22} + c_2 a_{11}^2 a_{22} \geq 0$$

$$a_{12}^3 a_{21}^3 - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 > 0$$

$$a_{12}^8 a_{21}^8 - 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 -$$

$$56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + a_{11}^8 a_{22}^8 \geq 0$$

$$-a_{12}^8 a_{21}^8 + 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 +$$

$$56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - a_{11}^8 a_{22}^8 > 0$$

pot #62:

symbol $a_{12} : (-0.0, inf)$

symbol $c_1 : (-inf, 0.0)$

symbol $c_2 : (-0.0, inf)$

symbol $a_{11} : (-inf, 0.0)$

symbol $a_{22} : (-inf, 0.0)$

symbol $b_1 : -0.0$

symbol $b_2 : -0.0$

symbol $a_{21} : (-0.0, inf)$

$$-c_2 a_{21} + c_1 a_{22} > 0$$

$$a_{12} a_{21} - a_{11} a_{22} > 0$$

$$c_1 a_{12} - c_2 a_{11} > 0$$

$$-a_{12}^3 a_{21}^3 + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 \geq 0$$

$$a_{12}^2 a_{21}^2 - 2.00 \cdot a_{12} a_{11} a_{22} a_{21} + a_{11}^2 a_{22}^2 > 0$$

$$c_1 a_{12}^2 a_{21} - a_{12} c_2 a_{11} a_{21} - c_1 a_{12} a_{11} a_{22} + c_2 a_{11}^2 a_{22} \geq 0$$

$$a_{12}^3 a_{21}^3 - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 > 0$$

$$-a_{12}^8 a_{21}^8 + 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 +$$

$$\begin{aligned}
& 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - a_{11}^8 a_{22}^8 \geq 0 \\
& -a_{12}^8 a_{21}^8 + 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 + \\
& 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - a_{11}^8 a_{22}^8 > 0
\end{aligned}$$

pot #63:

symbol a_{12} : $(-0.0, inf)$

symbol c_1 : $(-inf, 0.0)$

symbol c_2 : $(-0.0, inf)$

symbol a_{11} : $(-inf, 0.0)$

symbol a_{22} : $(-inf, 0.0)$

symbol b_1 : -0.0

symbol b_2 : -0.0

symbol a_{21} : $(-0.0, inf)$

$$-c_2 a_{21} + c_1 a_{22} > 0$$

$$a_{12} a_{21} - a_{11} a_{22} > 0$$

$$c_1 a_{12} - c_2 a_{11} > 0$$

$$-a_{12}^3 a_{21}^3 + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 \geq 0$$

$$a_{12}^2 a_{21}^2 - 2.00 \cdot a_{12} a_{11} a_{22} a_{21} + a_{11}^2 a_{22}^2 > 0$$

$$c_1 a_{12}^2 a_{21} - a_{12} c_2 a_{11} a_{21} - c_1 a_{12} a_{11} a_{22} + c_2 a_{11}^2 a_{22} \geq 0$$

$$a_{12}^3 a_{21}^3 - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 > 0$$

$$a_{12}^8 a_{21}^8 - 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 -$$

$$56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + a_{11}^8 a_{22}^8 \geq 0$$

$$a_{12}^8 a_{21}^8 - 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 -$$

$$56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + a_{11}^8 a_{22}^8 > 0$$

pot #64:

symbol a_{12} : $(-0.0, inf)$

symbol c_1 : $(-inf, 0.0)$

symbol c_2 : $(-0.0, inf)$

symbol a_{11} : $(-inf, 0.0)$

symbol a_{22} : $(-inf, 0.0)$

symbol b_1 : -0.0

symbol b_2 : $[-0.0, inf)$

symbol a_{21} : $(-0.0, inf)$

$$-c_2 a_{21} + c_1 a_{22} > 0$$

$$a_{12} a_{21} - a_{11} a_{22} > 0$$

$$c_1 a_{12} - c_2 a_{11} > 0$$

$$-a_{12}^3 a_{21}^3 + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 \geq 0$$

$$a_{12}^2 a_{21}^2 - 2.00 \cdot a_{12} a_{11} a_{22} a_{21} + a_{11}^2 a_{22}^2 > 0$$

$$c_1 a_{12}^2 a_{21} - a_{12} c_2 a_{11} a_{21} - c_1 a_{12} a_{11} a_{22} + c_2 a_{11}^2 a_{22} \geq 0$$

$$a_{12}^3 a_{21}^3 - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 > 0$$

$$-a_{12}^3 a_{21}^3 + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 > 0$$

$$-a_{12}^8 a_{21}^8 + 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 +$$

$$56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - a_{11}^8 a_{22}^8 \geq 0$$

$$a_{12}^8 a_{21}^8 - 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 -$$

$$56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + a_{11}^8 a_{22}^8 > 0$$

pot #65:

symbol a_{12} : $(-0.0, inf)$

symbol c_1 : $(-inf, 0.0)$

symbol c_2 : $(-0.0, inf)$

symbol a_{11} : $(-inf, 0.0)$

symbol a_{22} : $(-inf, 0.0)$

symbol $b_1 : -0.0$

symbol $b_2 : [-0.0, inf)$

symbol $a_{21} : (-0.0, inf)$

$$-c_2 a_{21} + c_1 a_{22} > 0$$

$$a_{12} a_{21} - a_{11} a_{22} > 0$$

$$c_1 a_{12} - c_2 a_{11} > 0$$

$$-a_{12}^3 a_{21}^3 + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 \geq 0$$

$$a_{12}^2 a_{21}^2 - 2.00 \cdot a_{12} a_{11} a_{22} a_{21} + a_{11}^2 a_{22}^2 > 0$$

$$c_1 a_{12}^2 a_{21} - a_{12} c_2 a_{11} a_{21} - c_1 a_{12} a_{11} a_{22} + c_2 a_{11}^2 a_{22} \geq 0$$

$$a_{12}^3 a_{21}^3 - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 > 0$$

$$-a_{12}^3 a_{21}^3 + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 > 0$$

$$a_{12}^8 a_{21}^8 - 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 - 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + a_{11}^8 a_{22}^8 \geq 0$$

$$-a_{12}^8 a_{21}^8 + 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 + 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - a_{11}^8 a_{22}^8 > 0$$

pot #66:

symbol $a_{12} : (-0.0, inf)$

symbol $c_1 : (-inf, 0.0)$

symbol $c_2 : (-0.0, inf)$

symbol $a_{11} : (-inf, 0.0)$

symbol $a_{22} : (-inf, 0.0)$

symbol $b_1 : -0.0$

symbol $b_2 : -0.0$

symbol $a_{21} : (-0.0, inf)$

$$-c_2 a_{21} + c_1 a_{22} > 0$$

$$a_{12} a_{21} - a_{11} a_{22} > 0$$

$$c_1 a_{12} - c_2 a_{11} > 0$$

$$-a_{12}^3 a_{21}^3 + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 \geq 0$$

$$a_{12}^2 a_{21}^2 - 2.00 \cdot a_{12} a_{11} a_{22} a_{21} + a_{11}^2 a_{22}^2 > 0$$

$$c_1 a_{12}^2 a_{21} - a_{12} c_2 a_{11} a_{21} - c_1 a_{12} a_{11} a_{22} + c_2 a_{11}^2 a_{22} \geq 0$$

$$a_{12}^3 a_{21}^3 - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 > 0$$

$$-a_{12}^3 a_{21}^3 + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 > 0$$

$$-a_{12}^8 a_{21}^8 + 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 + 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - a_{11}^8 a_{22}^8 \geq 0$$

$$-a_{12}^8 a_{21}^8 + 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 + 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - a_{11}^8 a_{22}^8 > 0$$

pot #67:

symbol $a_{12} : (-0.0, inf)$

symbol $c_1 : (-inf, 0.0)$

symbol $c_2 : (-0.0, inf)$

symbol $a_{11} : (-inf, 0.0)$

symbol $a_{22} : (-inf, 0.0)$

symbol $b_1 : -0.0$

symbol $b_2 : -0.0$

symbol $a_{21} : (-0.0, inf)$

$$-c_2 a_{21} + c_1 a_{22} > 0$$

$$a_{12} a_{21} - a_{11} a_{22} > 0$$

$$c_1 a_{12} - c_2 a_{11} > 0$$

$$-a_{12}^3 a_{21}^3 + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 \geq 0$$

$$a_{12}^2 a_{21}^2 - 2.00 \cdot a_{12} a_{11} a_{22} a_{21} + a_{11}^2 a_{22}^2 > 0$$

$$\begin{aligned}
& c_1 a_{12}^2 a_{21} - a_{12} c_2 a_{11} a_{21} - c_1 a_{12} a_{11} a_{22} + c_2 a_{11}^2 a_{22} \geq 0 \\
& a_{12}^3 a_{21}^3 - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 > 0 \\
& -a_{12}^3 a_{21}^3 + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 > 0 \\
& a_{12}^8 a_{21}^8 - 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 - \\
& 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + a_{11}^8 a_{22}^8 \geq 0 \\
& a_{12}^8 a_{21}^8 - 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 - \\
& 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + a_{11}^8 a_{22}^8 > 0
\end{aligned}$$

pot #68:

symbol a_{12} : $(-0.0, inf)$

symbol c_1 : $(-inf, 0.0)$

symbol c_2 : $(-0.0, inf)$

symbol a_{11} : $(-inf, 0.0)$

symbol a_{22} : $(-inf, 0.0)$

symbol b_1 : -0.0

symbol b_2 : $[-0.0, inf)$

symbol a_{21} : $(-0.0, inf)$

$$-c_2 a_{21} + c_1 a_{22} > 0$$

$$a_{12} a_{21} - a_{11} a_{22} > 0$$

$$c_1 a_{12} - c_2 a_{11} > 0$$

$$-a_{12}^3 a_{21}^3 + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 \geq 0$$

$$a_{12}^2 a_{21}^2 - 2.00 \cdot a_{12} a_{11} a_{22} a_{21} + a_{11}^2 a_{22}^2 > 0$$

$$c_1 a_{12}^2 a_{21} - a_{12} c_2 a_{11} a_{21} - c_1 a_{12} a_{11} a_{22} + c_2 a_{11}^2 a_{22} \geq 0$$

$$-a_{12}^3 a_{21}^3 + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 > 0$$

$$a_{12}^3 a_{21}^3 - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 > 0$$

$$-a_{12}^8 a_{21}^8 + 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 + \\ 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - a_{11}^8 a_{22}^8 \geq 0$$

$$a_{12}^8 a_{21}^8 - 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 - \\ 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + a_{11}^8 a_{22}^8 > 0$$

pot #69:

symbol a_{12} : $(-0.0, inf)$

symbol c_1 : $(-inf, 0.0)$

symbol c_2 : $(-0.0, inf)$

symbol a_{11} : $(-inf, 0.0)$

symbol a_{22} : $(-inf, 0.0)$

symbol b_1 : -0.0

symbol b_2 : $[-0.0, inf)$

symbol a_{21} : $(-0.0, inf)$

$$-c_2 a_{21} + c_1 a_{22} > 0$$

$$a_{12} a_{21} - a_{11} a_{22} > 0$$

$$c_1 a_{12} - c_2 a_{11} > 0$$

$$-a_{12}^3 a_{21}^3 + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 \geq 0$$

$$a_{12}^2 a_{21}^2 - 2.00 \cdot a_{12} a_{11} a_{22} a_{21} + a_{11}^2 a_{22}^2 > 0$$

$$c_1 a_{12}^2 a_{21} - a_{12} c_2 a_{11} a_{21} - c_1 a_{12} a_{11} a_{22} + c_2 a_{11}^2 a_{22} \geq 0$$

$$-a_{12}^3 a_{21}^3 + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 > 0$$

$$a_{12}^3 a_{21}^3 - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 > 0$$

$$a_{12}^8 a_{21}^8 - 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 - \\ 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + a_{11}^8 a_{22}^8 \geq 0$$

$$-a_{12}^8 a_{21}^8 + 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 + \\ 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - a_{11}^8 a_{22}^8 > 0$$

pot #70:

symbol $a_{12} : (-0.0, inf)$
symbol $c_1 : (-inf, 0.0)$
symbol $c_2 : (-0.0, inf)$
symbol $a_{11} : (-inf, 0.0)$
symbol $a_{22} : (-inf, 0.0)$
symbol $b_1 : -0.0$
symbol $b_2 : -0.0$
symbol $a_{21} : (-0.0, inf)$
 $-c_2 a_{21} + c_1 a_{22} > 0$
 $a_{12} a_{21} - a_{11} a_{22} > 0$
 $c_1 a_{12} - c_2 a_{11} > 0$
 $-a_{12}^3 a_{21}^3 + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 \geq 0$
 $a_{12}^2 a_{21}^2 - 2.00 \cdot a_{12} a_{11} a_{22} a_{21} + a_{11}^2 a_{22}^2 > 0$
 $c_1 a_{12}^2 a_{21} - a_{12} c_2 a_{11} a_{21} - c_1 a_{12} a_{11} a_{22} + c_2 a_{11}^2 a_{22} \geq 0$
 $-a_{12}^3 a_{21}^3 + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 > 0$
 $a_{12}^3 a_{21}^3 - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 > 0$
 $-a_{12}^8 a_{21}^8 + 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 +$
 $56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - a_{11}^8 a_{22}^8 \geq 0$
 $-a_{12}^8 a_{21}^8 + 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 +$
 $56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - a_{11}^8 a_{22}^8 > 0$

pot #71:

symbol $a_{12} : (-0.0, inf)$
symbol $c_1 : (-inf, 0.0)$
symbol $c_2 : (-0.0, inf)$
symbol $a_{11} : (-inf, 0.0)$
symbol $a_{22} : (-inf, 0.0)$
symbol $b_1 : -0.0$
symbol $b_2 : -0.0$
symbol $a_{21} : (-0.0, inf)$
 $-c_2 a_{21} + c_1 a_{22} > 0$
 $a_{12} a_{21} - a_{11} a_{22} > 0$
 $c_1 a_{12} - c_2 a_{11} > 0$
 $-a_{12}^3 a_{21}^3 + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 \geq 0$
 $a_{12}^2 a_{21}^2 - 2.00 \cdot a_{12} a_{11} a_{22} a_{21} + a_{11}^2 a_{22}^2 > 0$
 $c_1 a_{12}^2 a_{21} - a_{12} c_2 a_{11} a_{21} - c_1 a_{12} a_{11} a_{22} + c_2 a_{11}^2 a_{22} \geq 0$
 $-a_{12}^3 a_{21}^3 + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 > 0$
 $a_{12}^3 a_{21}^3 - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 > 0$
 $a_{12}^8 a_{21}^8 - 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 -$
 $56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + a_{11}^8 a_{22}^8 \geq 0$
 $a_{12}^8 a_{21}^8 - 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 -$
 $56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + a_{11}^8 a_{22}^8 > 0$

pot #72:

symbol $a_{12} : (-0.0, inf)$
symbol $c_1 : (-inf, 0.0)$
symbol $c_2 : (-0.0, inf)$
symbol $a_{11} : (-inf, 0.0)$
symbol $a_{22} : (-inf, 0.0)$
symbol $b_1 : -0.0$
symbol $b_2 : [-0.0, inf)$
symbol $a_{21} : (-0.0, inf)$

$$-c_2a_{21} + c_1a_{22} > 0$$

$$a_{12}a_{21} - a_{11}a_{22} > 0$$

$$c_1a_{12} - c_2a_{11} > 0$$

$$-a_{12}^3a_{21}^3 + 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 - 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} + a_{11}^3a_{22}^3 \geq 0$$

$$a_{12}^2a_{21}^2 - 2.00 \cdot a_{12}a_{11}a_{22}a_{21} + a_{11}^2a_{22}^2 > 0$$

$$c_1a_{12}^2a_{21} - a_{12}c_2a_{11}a_{21} - c_1a_{12}a_{11}a_{22} + c_2a_{11}^2a_{22} \geq 0$$

$$-a_{12}^3a_{21}^3 + 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 - 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} + a_{11}^3a_{22}^3 > 0$$

$$-a_{12}^8a_{21}^8 + 8.00 \cdot a_{12}^7a_{11}a_{22}a_{21}^7 - 28.00 \cdot a_{12}^6a_{11}^2a_{22}^2a_{21}^6 + 56.00 \cdot a_{12}^5a_{11}^3a_{22}^3a_{21}^5 - 70.00 \cdot a_{12}^4a_{11}^4a_{22}^4a_{21}^4 + 56.00 \cdot a_{12}^3a_{11}^5a_{22}^5a_{21}^3 - 28.00 \cdot a_{12}^2a_{11}^6a_{22}^6a_{21}^2 + 8.00 \cdot a_{12}a_{11}^7a_{22}^7a_{21} - a_{11}^8a_{22}^8 \geq 0$$

$$a_{12}^8a_{21}^8 - 8.00 \cdot a_{12}^7a_{11}a_{22}a_{21}^7 + 28.00 \cdot a_{12}^6a_{11}^2a_{22}^2a_{21}^6 - 56.00 \cdot a_{12}^5a_{11}^3a_{22}^3a_{21}^5 + 70.00 \cdot a_{12}^4a_{11}^4a_{22}^4a_{21}^4 - 56.00 \cdot a_{12}^3a_{11}^5a_{22}^5a_{21}^3 + 28.00 \cdot a_{12}^2a_{11}^6a_{22}^6a_{21}^2 - 8.00 \cdot a_{12}a_{11}^7a_{22}^7a_{21} + a_{11}^8a_{22}^8 > 0$$

pot #73:

symbol a_{12} : $(-0.0, inf)$

symbol c_1 : $(-inf, 0.0)$

symbol c_2 : $(-0.0, inf)$

symbol a_{11} : $(-inf, 0.0)$

symbol a_{22} : $(-inf, 0.0)$

symbol b_1 : -0.0

symbol b_2 : $[-0.0, inf)$

symbol a_{21} : $(-0.0, inf)$

$$-c_2a_{21} + c_1a_{22} > 0$$

$$a_{12}a_{21} - a_{11}a_{22} > 0$$

$$c_1a_{12} - c_2a_{11} > 0$$

$$-a_{12}^3a_{21}^3 + 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 - 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} + a_{11}^3a_{22}^3 \geq 0$$

$$a_{12}^2a_{21}^2 - 2.00 \cdot a_{12}a_{11}a_{22}a_{21} + a_{11}^2a_{22}^2 > 0$$

$$c_1a_{12}^2a_{21} - a_{12}c_2a_{11}a_{21} - c_1a_{12}a_{11}a_{22} + c_2a_{11}^2a_{22} \geq 0$$

$$-a_{12}^3a_{21}^3 + 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 - 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} + a_{11}^3a_{22}^3 > 0$$

$$a_{12}^8a_{21}^8 - 8.00 \cdot a_{12}^7a_{11}a_{22}a_{21}^7 + 28.00 \cdot a_{12}^6a_{11}^2a_{22}^2a_{21}^6 - 56.00 \cdot a_{12}^5a_{11}^3a_{22}^3a_{21}^5 + 70.00 \cdot a_{12}^4a_{11}^4a_{22}^4a_{21}^4 - 56.00 \cdot a_{12}^3a_{11}^5a_{22}^5a_{21}^3 + 28.00 \cdot a_{12}^2a_{11}^6a_{22}^6a_{21}^2 - 8.00 \cdot a_{12}a_{11}^7a_{22}^7a_{21} + a_{11}^8a_{22}^8 \geq 0$$

$$-a_{12}^8a_{21}^8 + 8.00 \cdot a_{12}^7a_{11}a_{22}a_{21}^7 - 28.00 \cdot a_{12}^6a_{11}^2a_{22}^2a_{21}^6 + 56.00 \cdot a_{12}^5a_{11}^3a_{22}^3a_{21}^5 - 70.00 \cdot a_{12}^4a_{11}^4a_{22}^4a_{21}^4 + 56.00 \cdot a_{12}^3a_{11}^5a_{22}^5a_{21}^3 - 28.00 \cdot a_{12}^2a_{11}^6a_{22}^6a_{21}^2 + 8.00 \cdot a_{12}a_{11}^7a_{22}^7a_{21} - a_{11}^8a_{22}^8 > 0$$

pot #74:

symbol a_{12} : $(-0.0, inf)$

symbol c_1 : $(-inf, 0.0)$

symbol c_2 : $(-0.0, inf)$

symbol a_{11} : $(-inf, 0.0)$

symbol a_{22} : $(-inf, 0.0)$

symbol b_1 : -0.0

symbol b_2 : -0.0

symbol a_{21} : $(-0.0, inf)$

$$-c_2a_{21} + c_1a_{22} > 0$$

$$a_{12}a_{21} - a_{11}a_{22} > 0$$

$$c_1a_{12} - c_2a_{11} > 0$$

$$-a_{12}^3a_{21}^3 + 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 - 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} + a_{11}^3a_{22}^3 \geq 0$$

$$a_{12}^2a_{21}^2 - 2.00 \cdot a_{12}a_{11}a_{22}a_{21} + a_{11}^2a_{22}^2 > 0$$

$$c_1a_{12}^2a_{21} - a_{12}c_2a_{11}a_{21} - c_1a_{12}a_{11}a_{22} + c_2a_{11}^2a_{22} \geq 0$$

$$-a_{12}^3a_{21}^3 + 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 - 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} + a_{11}^3a_{22}^3 > 0$$

$$-a_{12}^8a_{21}^8 + 8.00 \cdot a_{12}^7a_{11}a_{22}a_{21}^7 - 28.00 \cdot a_{12}^6a_{11}^2a_{22}^2a_{21}^6 + 56.00 \cdot a_{12}^5a_{11}^3a_{22}^3a_{21}^5 - 70.00 \cdot a_{12}^4a_{11}^4a_{22}^4a_{21}^4 + 56.00 \cdot a_{12}^3a_{11}^5a_{22}^5a_{21}^3 - 28.00 \cdot a_{12}^2a_{11}^6a_{22}^6a_{21}^2 + 8.00 \cdot a_{12}a_{11}^7a_{22}^7a_{21} - a_{11}^8a_{22}^8 \geq 0$$

$$-a_{12}^8a_{21}^8 + 8.00 \cdot a_{12}^7a_{11}a_{22}a_{21}^7 - 28.00 \cdot a_{12}^6a_{11}^2a_{22}^2a_{21}^6 + 56.00 \cdot a_{12}^5a_{11}^3a_{22}^3a_{21}^5 - 70.00 \cdot a_{12}^4a_{11}^4a_{22}^4a_{21}^4 +$$

$$56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - a_{11}^8 a_{22}^8 > 0$$

pot #75:

symbol $a_{12} : (-0.0, inf)$

symbol $c_1 : (-inf, 0.0)$

symbol $c_2 : (-0.0, inf)$

symbol $a_{11} : (-inf, 0.0)$

symbol $a_{22} : (-inf, 0.0)$

symbol $b_1 : -0.0$

symbol $b_2 : -0.0$

symbol $a_{21} : (-0.0, inf)$

$$-c_2 a_{21} + c_1 a_{22} > 0$$

$$a_{12} a_{21} - a_{11} a_{22} > 0$$

$$c_1 a_{12} - c_2 a_{11} > 0$$

$$-a_{12}^3 a_{21}^3 + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 \geq 0$$

$$a_{12}^2 a_{21}^2 - 2.00 \cdot a_{12} a_{11} a_{22} a_{21} + a_{11}^2 a_{22}^2 > 0$$

$$c_1 a_{12}^2 a_{21} - a_{12} c_2 a_{11} a_{21} - c_1 a_{12} a_{11} a_{22} + c_2 a_{11}^2 a_{22} \geq 0$$

$$-a_{12}^3 a_{21}^3 + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 > 0$$

$$a_{12}^8 a_{21}^8 - 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 -$$

$$56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + a_{11}^8 a_{22}^8 \geq 0$$

$$a_{12}^8 a_{21}^8 - 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 -$$

$$56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + a_{11}^8 a_{22}^8 > 0$$

pot #76:

symbol $a_{12} : (-0.0, inf)$

symbol $c_1 : (-inf, 0.0)$

symbol $c_2 : (-0.0, inf)$

symbol $a_{11} : (-inf, 0.0)$

symbol $a_{22} : (-inf, 0.0)$

symbol $b_1 : -0.0$

symbol $b_2 : [-0.0, inf)$

symbol $a_{21} : (-0.0, inf)$

$$-c_2 a_{21} + c_1 a_{22} > 0$$

$$a_{12} a_{21} - a_{11} a_{22} > 0$$

$$c_1 a_{12} - c_2 a_{11} > 0$$

$$-a_{12}^3 a_{21}^3 + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 \geq 0$$

$$a_{12}^2 a_{21}^2 - 2.00 \cdot a_{12} a_{11} a_{22} a_{21} + a_{11}^2 a_{22}^2 > 0$$

$$c_1 a_{12}^2 a_{21} - a_{12} c_2 a_{11} a_{21} - c_1 a_{12} a_{11} a_{22} + c_2 a_{11}^2 a_{22} \geq 0$$

$$a_{12}^3 a_{21}^3 - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 > 0$$

pot #77:

symbol $a_{12} : (-0.0, inf)$

symbol $c_1 : (-inf, 0.0)$

symbol $c_2 : (-0.0, inf)$

symbol $a_{11} : (-inf, 0.0)$

symbol $a_{22} : (-inf, 0.0)$

symbol $b_1 : -0.0$

symbol $b_2 : [-0.0, inf)$

symbol $a_{21} : (-0.0, inf)$

$$-c_2 a_{21} + c_1 a_{22} > 0$$

$$a_{12} a_{21} - a_{11} a_{22} > 0$$

$$c_1 a_{12} - c_2 a_{11} > 0$$

$$-a_{12}^3 a_{21}^3 + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 \geq 0$$

$$\begin{aligned}
& a_{12}^2 a_{21}^2 - 2.00 \cdot a_{12} a_{11} a_{22} a_{21} + a_{11}^2 a_{22}^2 > 0 \\
& c_1 a_{12}^2 a_{21} - a_{12} c_2 a_{11} a_{21} - c_1 a_{12} a_{11} a_{22} + c_2 a_{11}^2 a_{22} \geq 0 \\
& a_{12}^3 a_{21}^3 - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 > 0 \\
& a_{12}^3 a_{21}^3 - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 \geq 0 \\
& -a_{12}^3 a_{21}^3 + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 > 0
\end{aligned}$$

pot #78:

symbol a_{12} : $(-0.0, inf)$

symbol c_1 : $(-inf, 0.0)$

symbol c_2 : $(-0.0, inf)$

symbol a_{11} : $(-inf, 0.0)$

symbol a_{22} : $(-inf, 0.0)$

symbol b_1 : -0.0

symbol b_2 : $[-0.0, inf)$

symbol a_{21} : $(-0.0, inf)$

$$-c_2 a_{21} + c_1 a_{22} > 0$$

$$a_{12} a_{21} - a_{11} a_{22} > 0$$

$$c_1 a_{12} - c_2 a_{11} > 0$$

$$-a_{12}^3 a_{21}^3 + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 \geq 0$$

$$a_{12}^2 a_{21}^2 - 2.00 \cdot a_{12} a_{11} a_{22} a_{21} + a_{11}^2 a_{22}^2 > 0$$

$$c_1 a_{12}^2 a_{21} - a_{12} c_2 a_{11} a_{21} - c_1 a_{12} a_{11} a_{22} + c_2 a_{11}^2 a_{22} \geq 0$$

$$-a_{12}^3 a_{21}^3 + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 > 0$$

$$a_{12}^3 a_{21}^3 - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 > 0$$

pot #79:

symbol a_{12} : $(-0.0, inf)$

symbol c_1 : $(-inf, 0.0)$

symbol c_2 : $(-0.0, inf)$

symbol a_{11} : $(-inf, 0.0)$

symbol a_{22} : $(-inf, 0.0)$

symbol b_1 : -0.0

symbol b_2 : $[-0.0, inf)$

symbol a_{21} : $(-0.0, inf)$

$$-c_2 a_{21} + c_1 a_{22} > 0$$

$$a_{12} a_{21} - a_{11} a_{22} > 0$$

$$c_1 a_{12} - c_2 a_{11} > 0$$

$$-a_{12}^3 a_{21}^3 + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 \geq 0$$

$$a_{12}^2 a_{21}^2 - 2.00 \cdot a_{12} a_{11} a_{22} a_{21} + a_{11}^2 a_{22}^2 > 0$$

$$c_1 a_{12}^2 a_{21} - a_{12} c_2 a_{11} a_{21} - c_1 a_{12} a_{11} a_{22} + c_2 a_{11}^2 a_{22} \geq 0$$

$$-a_{12}^3 a_{21}^3 + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 > 0$$

$$a_{12}^3 a_{21}^3 - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 \geq 0$$

x_1	$\frac{-a_{12}^8 b_2 a_{21}^8 + 8.00 \cdot a_{12}^7 b_2 a_{11} a_{22} a_{21}^7 - 28.00 \cdot a_{12}^6 b_2 a_{11}^2 a_{22}^2 a_{21}^6 + 56.00 \cdot a_{12}^5 b_2 a_{11}^3 a_{22}^3 a_{21}^5 - 70.00 \cdot a_{12}^4 b_2 a_{11}^4 a_{22}^4 a_{21}^4 + 56.00 \cdot a_{12}^3 b_2 a_{11}^5 a_{22}^5 a_{21}^3 - 28.00 \cdot a_{12}^2 b_2 a_{11}^6 a_{22}^6 a_{21}^2 + 8.00 \cdot a_{12} b_2 a_{11}^7 a_{22}^7 a_{21} - b_2 a_{11}^8 a_{22}^8 a_{21}}{a_{12}^8 a_{22}^8 a_{21} + 8.00 \cdot a_{12}^7 a_{11} a_{22}^2 a_{21}^7 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^3 a_{21}^6 + 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^4 a_{21}^5 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^5 a_{21}^4 + 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^6 a_{21}^3 - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^7 a_{21}^2 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^8 a_{21} - a_{11}^8 a_{22}^9 a_{21}}$
x_2	$\frac{a_{12}^3 b_2 a_{21}^3 - 2.00 \cdot a_{12}^2 b_2 a_{11} a_{22} a_{21}^2 + a_{12} b_2 a_{11}^2 a_{22}^2 - b_1 a_{21}^3 a_{22}^3 a_{12}^2 + 2.00 \cdot b_1 a_{21} a_{11} a_{22}^2 a_{12} - b_1 a_{11}^2 a_{22}^3 a_{21}^2 + 2.00 \cdot a_{12} a_{11} a_{22}^2 a_{21} - a_{11}^2 a_{22}^3}{a_{12}^8 b_2 c_2 a_{21}^8 - 8.00 \cdot a_{12}^7 c_2 a_{11} a_{22} b_2 a_{21}^7 + 28.00 \cdot a_{12}^6 c_2 a_{11}^2 a_{22}^2 b_2 a_{21}^6 - 56.00 \cdot a_{12}^5 c_2 a_{11}^3 a_{22}^3 b_2 a_{21}^5 + 70.00 \cdot a_{12}^4 c_2 a_{11}^4 a_{22}^4 b_2 a_{21}^4 - 56.00 \cdot a_{12}^3 c_2 a_{11}^5 a_{22}^5 b_2 a_{21}^3 + 28.00 \cdot a_{12}^2 c_2 a_{11}^6 a_{22}^6 b_2 a_{21}^2 - 8.00 \cdot a_{12} c_2 a_{11}^7 a_{22}^7 b_2 a_{21} - c_2 a_{11}^8 a_{22}^8 b_2 a_{21}}$
Ψ	$\frac{a_{12}^8 b_2 c_2 a_{21}^8 - 8.00 \cdot a_{12}^7 c_2 a_{11} a_{22} b_2 a_{21}^7 + 28.00 \cdot a_{12}^6 c_2 a_{11}^2 a_{22}^2 b_2 a_{21}^6 - 56.00 \cdot a_{12}^5 c_2 a_{11}^3 a_{22}^3 b_2 a_{21}^5 + 70.00 \cdot a_{12}^4 c_2 a_{11}^4 a_{22}^4 b_2 a_{21}^4 - 56.00 \cdot a_{12}^3 c_2 a_{11}^5 a_{22}^5 b_2 a_{21}^3 + 28.00 \cdot a_{12}^2 c_2 a_{11}^6 a_{22}^6 b_2 a_{21}^2 - 8.00 \cdot a_{12} c_2 a_{11}^7 a_{22}^7 b_2 a_{21} - c_2 a_{11}^8 a_{22}^8 b_2 a_{21}}{-a_{12}^8 a_{22}^8 a_{21} + 8.00 \cdot a_{12}^7 a_{11} a_{22}^2 a_{21}^7 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^3 a_{21}^6 + 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^4 a_{21}^5 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^5 a_{21}^4 + 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^6 a_{21}^3 - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^7 a_{21}^2 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^8 a_{21} - a_{11}^8 a_{22}^9 a_{21}}$

Table #1.0.1.-1

pots:

pot #0:

symbol $a_{12} : (-0.0, inf)$

symbol $c_1 : (-inf, 0.0)$

symbol $c_2 : (-inf, 0.0]$

symbol $a_{11} : (-0.0, inf)$

symbol $a_{22} : (-0.0, inf)$

symbol $b_1 : [-0.0, inf)$

symbol $b_2 : [-0.0, inf)$

symbol $a_{21} : (-0.0, inf)$

$$b_1 a_{21} - b_2 a_{11} \geq 0$$

$$-c_2 a_{21} + c_1 a_{22} > 0$$

$$a_{12} a_{21} - a_{11} a_{22} > 0$$

$$a_{12} b_2 - b_1 a_{22} \geq 0$$

$$c_1 a_{12} - c_2 a_{11} > 0$$

$$c_1 a_{12}^2 a_{21} - a_{12} c_2 a_{11} a_{21} - c_1 a_{12} a_{11} a_{22} + c_2 a_{11}^2 a_{22} \geq 0$$

$$-a_{12}^3 a_{21}^3 + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 \geq 0$$

$$-a_{12}^3 a_{21}^3 + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 > 0$$

pot #1:

symbol $a_{12} : (-0.0, inf)$

symbol $c_1 : (-inf, 0.0)$

symbol $c_2 : (-inf, 0.0]$

symbol $a_{11} : (-0.0, inf)$

symbol $a_{22} : (-0.0, inf)$

symbol $b_1 : [-0.0, inf)$

symbol $b_2 : [-0.0, inf)$

symbol $a_{21} : (-0.0, inf)$

$$b_1 a_{21} - b_2 a_{11} \geq 0$$

$$-c_2 a_{21} + c_1 a_{22} > 0$$

$$a_{12} a_{21} - a_{11} a_{22} > 0$$

$$a_{12} b_2 - b_1 a_{22} \geq 0$$

$$c_1 a_{12} - c_2 a_{11} > 0$$

$$c_1 a_{12}^2 a_{21} - a_{12} c_2 a_{11} a_{21} - c_1 a_{12} a_{11} a_{22} + c_2 a_{11}^2 a_{22} \geq 0$$

$$a_{12}^3 a_{21}^3 - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 \geq 0$$

$$a_{12}^3 a_{21}^3 - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 > 0$$

pot #2:

symbol $a_{12} : (-0.0, inf)$

symbol $c_1 : (-inf, 0.0)$

symbol $c_2 : (-inf, 0.0]$

symbol $a_{11} : (-0.0, inf)$

symbol $a_{22} : (-inf, 0.0]$

symbol $b_1 : [-0.0, inf)$

symbol $b_2 : [-0.0, inf)$

symbol $a_{21} : (-0.0, inf)$

$$b_1 a_{21} - b_2 a_{11} \geq 0$$

$$-c_2 a_{21} + c_1 a_{22} > 0$$

$$a_{12} a_{21} - a_{11} a_{22} > 0$$

$$c_1 a_{12} - c_2 a_{11} > 0$$

$$c_1 a_{12}^2 a_{21} - a_{12} c_2 a_{11} a_{21} - c_1 a_{12} a_{11} a_{22} + c_2 a_{11}^2 a_{22} \geq 0$$

$$a_{12}^3 a_{21}^3 - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 \geq 0$$

$$a_{12}^3 a_{21}^3 - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 > 0$$

pot #3:

$$\text{symbol } a_{12} : (-0.0, \text{inf})$$

$$\text{symbol } c_1 : (-\text{inf}, 0.0)$$

$$\text{symbol } c_2 : [-0.0, \text{inf})$$

$$\text{symbol } a_{11} : (-\text{inf}, 0.0)$$

$$\text{symbol } a_{22} : (-\text{inf}, 0.0]$$

$$\text{symbol } b_1 : [-0.0, \text{inf})$$

$$\text{symbol } b_2 : [-0.0, \text{inf})$$

$$\text{symbol } a_{21} : (-0.0, \text{inf})$$

$$-c_2 a_{21} + c_1 a_{22} > 0$$

$$a_{12} a_{21} - a_{11} a_{22} > 0$$

$$c_1 a_{12} - c_2 a_{11} > 0$$

$$a_{12}^3 a_{21}^3 - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 \geq 0$$

$$a_{12}^2 a_{21}^2 - 2.00 \cdot a_{12} a_{11} a_{22} a_{21} + a_{11}^2 a_{22}^2 > 0$$

$$c_1 a_{12}^2 a_{21} - a_{12} c_2 a_{11} a_{21} - c_1 a_{12} a_{11} a_{22} + c_2 a_{11}^2 a_{22} \geq 0$$

$$-a_{12}^3 a_{21}^3 + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 \geq 0$$

$$a_{12}^3 a_{21}^3 - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 > 0$$

pot #4:

$$\text{symbol } a_{12} : (-0.0, \text{inf})$$

$$\text{symbol } c_1 : (-\text{inf}, 0.0)$$

$$\text{symbol } c_2 : [-0.0, \text{inf})$$

$$\text{symbol } a_{11} : (-\text{inf}, 0.0)$$

$$\text{symbol } a_{22} : (-\text{inf}, 0.0]$$

$$\text{symbol } b_1 : [-0.0, \text{inf})$$

$$\text{symbol } b_2 : [-0.0, \text{inf})$$

$$\text{symbol } a_{21} : (-0.0, \text{inf})$$

$$-c_2 a_{21} + c_1 a_{22} > 0$$

$$a_{12} a_{21} - a_{11} a_{22} > 0$$

$$c_1 a_{12} - c_2 a_{11} > 0$$

$$a_{12}^3 a_{21}^3 - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 \geq 0$$

$$a_{12}^2 a_{21}^2 - 2.00 \cdot a_{12} a_{11} a_{22} a_{21} + a_{11}^2 a_{22}^2 > 0$$

$$c_1 a_{12}^2 a_{21} - a_{12} c_2 a_{11} a_{21} - c_1 a_{12} a_{11} a_{22} + c_2 a_{11}^2 a_{22} \geq 0$$

$$-a_{12}^3 a_{21}^3 + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 > 0$$

pot #5:

$$\text{symbol } a_{12} : (-0.0, \text{inf})$$

$$\text{symbol } c_1 : (-\text{inf}, 0.0)$$

$$\text{symbol } c_2 : [-0.0, \text{inf})$$

$$\text{symbol } a_{11} : (-\text{inf}, 0.0)$$

$$\text{symbol } a_{22} : (-\text{inf}, 0.0]$$

$$\text{symbol } b_1 : [-0.0, \text{inf})$$

$$\text{symbol } b_2 : [-0.0, \text{inf})$$

$$\text{symbol } a_{21} : (-0.0, \text{inf})$$

$$-c_2 a_{21} + c_1 a_{22} > 0$$

$$a_{12} a_{21} - a_{11} a_{22} > 0$$

$$c_1 a_{12} - c_2 a_{11} > 0$$

$$-a_{12}^3 a_{21}^3 + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 \geq 0$$

$$-a_{12}^2 a_{21}^2 + 2.00 \cdot a_{12} a_{11} a_{22} a_{21} - a_{11}^2 a_{22}^2 > 0$$

$$c_1 a_{12}^2 a_{21} - a_{12} c_2 a_{11} a_{21} - c_1 a_{12} a_{11} a_{22} + c_2 a_{11}^2 a_{22} \geq 0$$

$$a_{12}^3 a_{21}^3 - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 > 0$$

pot #6:

symbol $a_{12} : (-0.0, inf)$

symbol $c_1 : (-inf, 0.0)$

symbol $c_2 : [-0.0, inf)$

symbol $a_{11} : (-inf, 0.0)$

symbol $a_{22} : (-inf, 0.0]$

symbol $b_1 : [-0.0, inf)$

symbol $b_2 : [-0.0, inf)$

symbol $a_{21} : (-0.0, inf)$

$$-c_2 a_{21} + c_1 a_{22} > 0$$

$$a_{12} a_{21} - a_{11} a_{22} > 0$$

$$c_1 a_{12} - c_2 a_{11} > 0$$

$$-a_{12}^3 a_{21}^3 + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 \geq 0$$

$$-a_{12}^2 a_{21}^2 + 2.00 \cdot a_{12} a_{11} a_{22} a_{21} - a_{11}^2 a_{22}^2 > 0$$

$$c_1 a_{12}^2 a_{21} - a_{12} c_2 a_{11} a_{21} - c_1 a_{12} a_{11} a_{22} + c_2 a_{11}^2 a_{22} \geq 0$$

$$a_{12}^3 a_{21}^3 - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 \geq 0$$

$$-a_{12}^3 a_{21}^3 + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 > 0$$

pot #7:

symbol $a_{12} : (-0.0, inf)$

symbol $c_1 : (-inf, 0.0)$

symbol $c_2 : [-0.0, inf)$

symbol $a_{11} : (-inf, 0.0)$

symbol $a_{22} : (-inf, 0.0]$

symbol $b_1 : -0.0$

symbol $b_2 : [-0.0, inf)$

symbol $a_{21} : (-0.0, inf)$

$$-c_2 a_{21} + c_1 a_{22} > 0$$

$$a_{12} a_{21} - a_{11} a_{22} > 0$$

$$c_1 a_{12} - c_2 a_{11} > 0$$

$$a_{12}^3 a_{21}^3 - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 \geq 0$$

$$-a_{12}^2 a_{21}^2 + 2.00 \cdot a_{12} a_{11} a_{22} a_{21} - a_{11}^2 a_{22}^2 > 0$$

$$c_1 a_{12}^2 a_{21} - a_{12} c_2 a_{11} a_{21} - c_1 a_{12} a_{11} a_{22} + c_2 a_{11}^2 a_{22} \geq 0$$

$$-a_{12}^3 a_{21}^3 + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 \geq 0$$

$$a_{12}^3 a_{21}^3 - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 > 0$$

pot #8:

symbol $a_{12} : (-0.0, inf)$

symbol $c_1 : (-inf, 0.0)$

symbol $c_2 : [-0.0, inf)$

symbol $a_{11} : (-inf, 0.0)$

symbol $a_{22} : (-inf, 0.0]$

symbol $b_1 : -0.0$

symbol $b_2 : [-0.0, inf)$

symbol $a_{21} : (-0.0, inf)$

$$-c_2 a_{21} + c_1 a_{22} > 0$$

$$a_{12} a_{21} - a_{11} a_{22} > 0$$

$$c_1 a_{12} - c_2 a_{11} > 0$$

$$a_{12}^3 a_{21}^3 - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 \geq 0$$

$$-a_{12}^2 a_{21}^2 + 2.00 \cdot a_{12} a_{11} a_{22} a_{21} - a_{11}^2 a_{22}^2 > 0$$

$$c_1 a_{12}^2 a_{21} - a_{12} c_2 a_{11} a_{21} - c_1 a_{12} a_{11} a_{22} + c_2 a_{11}^2 a_{22} \geq 0$$

$$-a_{12}^3 a_{21}^3 + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 > 0$$

pot #9:

symbol $a_{12} : (-0.0, inf)$

symbol $c_1 : (-inf, 0.0)$

symbol $c_2 : [-0.0, inf)$

symbol $a_{11} : (-inf, 0.0)$

symbol $a_{22} : (-inf, 0.0]$

symbol $b_1 : -0.0$

symbol $b_2 : [-0.0, inf)$

symbol $a_{21} : (-0.0, inf)$

$$-c_2 a_{21} + c_1 a_{22} > 0$$

$$a_{12} a_{21} - a_{11} a_{22} > 0$$

$$c_1 a_{12} - c_2 a_{11} > 0$$

$$-a_{12}^3 a_{21}^3 + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 \geq 0$$

$$a_{12}^2 a_{21}^2 - 2.00 \cdot a_{12} a_{11} a_{22} a_{21} + a_{11}^2 a_{22}^2 > 0$$

$$c_1 a_{12}^2 a_{21} - a_{12} c_2 a_{11} a_{21} - c_1 a_{12} a_{11} a_{22} + c_2 a_{11}^2 a_{22} \geq 0$$

$$a_{12}^3 a_{21}^3 - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 > 0$$

pot #10:

symbol $a_{12} : (-0.0, inf)$

symbol $c_1 : (-inf, 0.0)$

symbol $c_2 : [-0.0, inf)$

symbol $a_{11} : (-inf, 0.0)$

symbol $a_{22} : (-inf, 0.0]$

symbol $b_1 : -0.0$

symbol $b_2 : [-0.0, inf)$

symbol $a_{21} : (-0.0, inf)$

$$-c_2 a_{21} + c_1 a_{22} > 0$$

$$a_{12} a_{21} - a_{11} a_{22} > 0$$

$$c_1 a_{12} - c_2 a_{11} > 0$$

$$-a_{12}^3 a_{21}^3 + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 \geq 0$$

$$a_{12}^2 a_{21}^2 - 2.00 \cdot a_{12} a_{11} a_{22} a_{21} + a_{11}^2 a_{22}^2 > 0$$

$$c_1 a_{12}^2 a_{21} - a_{12} c_2 a_{11} a_{21} - c_1 a_{12} a_{11} a_{22} + c_2 a_{11}^2 a_{22} \geq 0$$

$$a_{12}^3 a_{21}^3 - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 \geq 0$$

$$-a_{12}^3 a_{21}^3 + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 > 0$$

		x_0	x_1	
x_1	$\frac{b_1 a_{21}^3 a_{12}^3 - 3.00 \cdot b_1 a_{21}^2 a_{11} a_{22} a_{12}^2 + 3.00 \cdot b_1 a_{21} a_{11}^2 a_{22}^2 a_{12} - b_1 a_{11}^3 a_{22}^3}{a_{12}^4 a_{21}^3 - 3.00 \cdot a_{12}^3 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12}^2 a_{11}^2 a_{22}^2 a_{21} - a_{12} a_{11}^3 a_{22}^3}$	$\frac{a_{12} a_{11} a_{21} - a_{11}^2 a_{22}}{a_{12}^2 a_{21} - a_{12} a_{11} a_{22}}$	1.00	
x_3	$\frac{a_{12}^2 b_2 a_{21} - a_{12} b_2 a_{11} a_{22} - b_1 a_{21} a_{22} a_{12} + b_1 a_{11} a_{22}^2}{a_{12}^2 a_{21} - a_{12} a_{11} a_{22}}$	$\frac{a_{12} a_{21} - a_{11} a_{22}}{a_{12}}$	0.0	
Ψ	$\frac{-b_1 c_2 a_{21}^3 a_{12}^3 + 3.00 \cdot a_{12}^2 c_2 a_{11} a_{22} b_1 a_{21}^2 - 3.00 \cdot a_{12} c_2 a_{11}^2 a_{22}^2 b_1 a_{21} + b_1 c_2 a_{11}^3 a_{22}^3}{a_{12}^4 a_{21}^3 - 3.00 \cdot a_{12}^3 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12}^2 a_{11}^2 a_{22}^2 a_{21} - a_{12} a_{11}^3 a_{22}^3}$	$\frac{c_1 a_{12}^2 a_{21} - a_{12} c_2 a_{11} a_{21} - c_1 a_{12} a_{11} a_{22} + c_2 a_{11}^2 a_{22}}{a_{12}^2 a_{21} - a_{12} a_{11} a_{22}}$	0.0	

Table #1.0.-1

pots:

pot #0:

symbol $c_1 : (-inf, 0.0)$

symbol $a_{11} : (-0.0, inf)$

symbol $a_{22} : (-0.0, inf)$

symbol $b_1 : [-0.0, inf)$

symbol $b_2 : [-0.0, inf)$

symbol $a_{21} : (-0.0, inf)$

$$b_1 a_{21} - b_2 a_{11} \geq 0$$

$$-c_2 a_{21} + c_1 a_{22} > 0$$

$$a_{12} a_{21} - a_{11} a_{22} > 0$$

$$a_{12} b_2 - b_1 a_{22} \geq 0$$

$$-c_1 a_{12} + c_2 a_{11} \geq 0$$

pot #1:

symbol $c_1 : (-inf, 0.0)$

symbol $a_{11} : (-0.0, inf)$

symbol $a_{22} : (-inf, 0.0]$

symbol $b_1 : [-0.0, inf)$

symbol $b_2 : [-0.0, inf)$

symbol $a_{21} : (-0.0, inf)$

$$b_1 a_{21} - b_2 a_{11} \geq 0$$

$$-c_2 a_{21} + c_1 a_{22} > 0$$

$$a_{12} a_{21} - a_{11} a_{22} > 0$$

$$-c_1 a_{12} + c_2 a_{11} \geq 0$$

pot #2:

symbol $c_1 : (-inf, 0.0)$

symbol $a_{11} : (-inf, 0.0]$

symbol $a_{22} : (-0.0, inf)$

symbol $b_1 : [-0.0, inf)$

symbol $b_2 : [-0.0, inf)$

symbol $a_{21} : (-0.0, inf)$

$$-c_2 a_{21} + c_1 a_{22} > 0$$

$$a_{12} a_{21} - a_{11} a_{22} > 0$$

$$a_{12} b_2 - b_1 a_{22} \geq 0$$

$$-c_1 a_{12} + c_2 a_{11} \geq 0$$

pot #3:

symbol $c_1 : (-inf, 0.0)$

symbol $a_{11} : (-inf, 0.0]$

symbol $a_{22} : (-inf, 0.0]$

symbol $b_1 : [-0.0, inf)$

symbol $b_2 : [-0.0, inf)$

symbol $a_{21} : (-0.0, inf)$

$$-c_2 a_{21} + c_1 a_{22} > 0$$

$$a_{12} a_{21} - a_{11} a_{22} > 0$$

$$-c_1 a_{12} + c_2 a_{11} \geq 0$$

		x_0	x_1	x_2	x_3
x_1	$\frac{b_1 a_{21} - b_2 a_{11}}{a_{12} a_{21} - a_{11} a_{22}}$	0.0	1.00	$\frac{a_{21}}{a_{12} a_{21} - a_{11} a_{22}}$	$\frac{-a_{11}}{a_{12} a_{21} - a_{11} a_{22}}$
x_0	$\frac{a_{12} b_2 - b_1 a_{22}}{a_{12} a_{21} - a_{11} a_{22}}$	1.00	0.0	$\frac{-a_{22}}{a_{12} a_{21} - a_{11} a_{22}}$	$\frac{a_{12}}{a_{12} a_{21} - a_{11} a_{22}}$
Ψ	$\frac{-c_1 a_{12} b_2 - b_1 c_2 a_{21} + c_1 b_1 a_{22} + b_2 c_2 a_{11}}{a_{12} a_{21} - a_{11} a_{22}}$	0.0	0.0	$\frac{-c_2 a_{21} + c_1 a_{22}}{a_{12} a_{21} - a_{11} a_{22}}$	$\frac{-c_1 a_{12} + c_2 a_{11}}{a_{12} a_{21} - a_{11} a_{22}}$

Solution:

$$x_0 = \frac{a_{12} b_2 - b_1 a_{22}}{a_{12} a_{21} - a_{11} a_{22}}$$

$$x_1 = \frac{b_1 a_{21} - b_2 a_{11}}{a_{12} a_{21} - a_{11} a_{22}}$$

$$x_2 = 0.0$$

$$x_3 = 0.0$$

$$\Psi = \frac{-c_1 a_{12} b_2 - b_1 c_2 a_{21} + c_1 b_1 a_{22} + b_2 c_2 a_{11}}{a_{12} a_{21} - a_{11} a_{22}}$$

Table #1.1

Moving out basis: x_0 from line: 1

Moving to basis: x_1

pots:

pot #0:

symbol $c_1 : (-inf, 0.0)$

symbol $a_{11} : (-0.0, inf)$

symbol $a_{22} : (-0.0, inf)$

symbol $b_1 : [-0.0, inf)$

symbol $b_2 : [-0.0, inf)$

symbol $a_{21} : (-0.0, inf)$

$b_1 a_{21} - b_2 a_{11} \geq 0$

$-c_2 a_{21} + c_1 a_{22} > 0$

$a_{12} a_{21} - a_{11} a_{22} > 0$

$b_1 a_{22} - a_{12} b_2 \geq 0$

pot #1:

symbol $c_1 : (-inf, 0.0)$

symbol $a_{11} : (-0.0, inf)$

symbol $a_{22} : (-0.0, inf)$

symbol $b_1 : [-0.0, inf)$

symbol $b_2 : [-0.0, inf)$

symbol $a_{21} : (-0.0, inf)$

$b_1 a_{21} - b_2 a_{11} \geq 0$

$-c_2 a_{21} + c_1 a_{22} > 0$

$-a_{12} a_{21} + a_{11} a_{22} \geq 0$

pot #2:

symbol $c_1 : (-inf, 0.0)$

symbol $a_{11} : (-inf, 0.0]$

symbol $a_{22} : (-0.0, inf)$

symbol $b_1 : [-0.0, inf)$

symbol $b_2 : [-0.0, inf)$

symbol $a_{21} : (-0.0, inf)$

$-c_2 a_{21} + c_1 a_{22} > 0$

$a_{12} a_{21} - a_{11} a_{22} > 0$

$b_1 a_{22} - a_{12} b_2 \geq 0$

pot #3:

symbol $c_1 : (-inf, 0.0)$

symbol $a_{11} : (-inf, 0.0]$

symbol $a_{22} : (-0.0, inf)$

symbol $b_1 : [-0.0, inf)$

symbol $b_2 : [-0.0, inf)$

symbol $a_{21} : (-0.0, inf)$

$-c_2 a_{21} + c_1 a_{22} > 0$

$-a_{12} a_{21} + a_{11} a_{22} \geq 0$

		x_0	x_1	x_2	x_3
x_2	$\frac{b_1 a_{22} - a_{12} b_2}{a_{22}}$	$\frac{-a_{12} a_{21} + a_{11} a_{22}}{a_{22}}$	0.0	1.00	$\frac{-a_{12}}{a_{22}}$
x_1	$\frac{b_2}{a_{22}}$	$\frac{a_{21}}{a_{22}}$	1.00	0.0	$\frac{1.00}{a_{22}}$
Ψ	$\frac{-b_2 c_2}{a_{22}}$	$\frac{-c_2 a_{21} + c_1 a_{22}}{a_{22}}$	0.0	0.0	$\frac{-c_2}{a_{22}}$

Solution:

$$x_0 = 0.0$$

$$x_1 = \frac{b_2}{a_{22}}$$

$$x_2 = \frac{b_1a_{22}-a_{12}b_2}{a_{22}}$$

$$x_3 = 0.0$$

$$\Psi = \frac{-b_2c_2}{a_{22}}$$

Table #1.-1

pots:

pot #0:

symbol $c_1 : (-inf, 0.0)$

symbol $b_1 : [-0.0, inf)$

symbol $b_2 : [-0.0, inf)$

symbol $a_{11} : (-0.0, inf)$

symbol $a_{21} : (-0.0, inf)$

$b_1 a_{21} - b_2 a_{11} \geq 0$

$c_2 a_{21} - c_1 a_{22} \geq 0$

pot #1:

symbol $c_1 : (-inf, 0.0)$

symbol $b_1 : [-0.0, inf)$

symbol $b_2 : [-0.0, inf)$

symbol $a_{11} : (-inf, 0.0]$

symbol $a_{21} : (-0.0, inf)$

$c_2 a_{21} - c_1 a_{22} \geq 0$

		x_0	x_1	x_2	x_3
x_2	$\frac{b_1 a_{21} - b_2 a_{11}}{a_{21}}$	0.0	$\frac{a_{12} a_{21} - a_{11} a_{22}}{a_{21}}$	1.00	$\frac{-a_{11}}{a_{21}}$
x_0	$\frac{b_2}{a_{21}}$	1.00	$\frac{a_{22}}{a_{21}}$	0.0	$\frac{1.00}{a_{21}}$
Ψ	$\frac{-c_1 b_2}{a_{21}}$	0.0	$\frac{c_2 a_{21} - c_1 a_{22}}{a_{21}}$	0.0	$\frac{-c_1}{a_{21}}$

Solution:

$$x_0 = \frac{b_2}{a_{21}}$$

$$x_1 = 0.0$$

$$x_2 = \frac{b_1 a_{21} - b_2 a_{11}}{a_{21}}$$

$$x_3 = 0.0$$

$$\Psi = \frac{-c_1 b_2}{a_{21}}$$

Table #0

Moving out basis: x_2 from line: 0

Moving to basis: x_1

pots:

pot #0:

symbol a_{12} : $(-0.0, inf)$

symbol c_1 : $[-0.0, inf)$

symbol c_2 : $(-inf, 0.0)$

symbol a_{22} : $(-0.0, inf)$

symbol b_1 : $[-0.0, inf)$

symbol b_2 : $[-0.0, inf)$

$a_{12}b_2 - b_1a_{22} \geq 0$

pot #1:

symbol a_{12} : $(-0.0, inf)$

symbol c_1 : $[-0.0, inf)$

symbol c_2 : $(-inf, 0.0)$

symbol a_{22} : $(-inf, 0.0]$

symbol b_1 : $[-0.0, inf)$

symbol b_2 : $[-0.0, inf)$

		x_0	x_1	x_2	x_3
x_1	$\frac{b_1}{a_{12}}$	$\frac{a_{11}}{a_{12}}$	1.00	$\frac{1.00}{a_{12}}$	0.0
x_3	$\frac{a_{12}b_2 - b_1a_{22}}{a_{12}}$	$\frac{a_{12}a_{21} - a_{11}a_{22}}{a_{12}}$	0.0	$\frac{-a_{22}}{a_{12}}$	1.00
Ψ	$\frac{-b_1c_2}{a_{12}}$	$\frac{c_1a_{12} - c_2a_{11}}{a_{12}}$	0.0	$\frac{-c_2}{a_{12}}$	0.0

Table #0.1

Moving out basis: x_3 from line: 1

Moving to basis: x_0

pots:

pot #0:

symbol a_{12} : $(-0.0, inf)$

symbol c_1 : $[-0.0, inf)$

symbol c_2 : $(-inf, 0.0)$

symbol a_{11} : $(-inf, 0.0]$

symbol a_{22} : $(-0.0, inf)$

symbol b_1 : $[-0.0, inf)$

symbol b_2 : $[-0.0, inf)$

$a_{12}b_2 - b_1a_{22} \geq 0$

$-c_1a_{12} + c_2a_{11} > 0$

$a_{12}a_{21} - a_{11}a_{22} > 0$

pot #1:

symbol a_{12} : $(-0.0, inf)$

symbol c_1 : $[-0.0, inf)$

symbol c_2 : $(-inf, 0.0)$

symbol a_{11} : $(-inf, 0.0]$

symbol a_{22} : $(-inf, 0.0]$

symbol b_1 : $[-0.0, inf)$

symbol b_2 : $[-0.0, inf)$

$-c_1a_{12} + c_2a_{11} > 0$

$a_{12}a_{21} - a_{11}a_{22} > 0$

		x_0	x_1	x_2	x_3
x_1	$\frac{b_1a_{21}-b_2a_{11}}{a_{12}a_{21}-a_{11}a_{22}}$	0.0	1.00	$\frac{a_{21}}{a_{12}a_{21}-a_{11}a_{22}}$	$\frac{-a_{11}}{a_{12}a_{21}-a_{11}a_{22}}$
x_0	$\frac{a_{12}b_2-b_1a_{22}}{a_{12}a_{21}-a_{11}a_{22}}$	1.00	0.0	$\frac{-a_{22}}{a_{12}a_{21}-a_{11}a_{22}}$	$\frac{a_{12}}{a_{12}a_{21}-a_{11}a_{22}}$
Ψ	$\frac{-b_1c_2a_{21}-c_1a_{12}b_2+b_2c_2a_{11}+c_1b_1a_{22}}{a_{12}a_{21}-a_{11}a_{22}}$	0.0	0.0	$\frac{-c_2a_{21}+c_1a_{22}}{a_{12}a_{21}-a_{11}a_{22}}$	$\frac{-c_1a_{12}+c_2a_{11}}{a_{12}a_{21}-a_{11}a_{22}}$

Table #0.1.0

Moving out basis: x_1 from line: 0

Moving to basis: x_2

pots:

pot #0:

symbol a_{12} : $(-0.0, inf)$

symbol c_1 : $[-0.0, inf)$

symbol c_2 : $(-inf, 0.0)$

symbol a_{11} : $(-inf, 0.0]$

symbol a_{22} : $(-inf, 0.0)$

symbol b_1 : $[-0.0, inf)$

symbol b_2 : $[-0.0, inf)$

symbol a_{21} : $(-0.0, inf)$

$$-c_1 a_{12} + c_2 a_{11} > 0$$

$$a_{12} a_{21} - a_{11} a_{22} > 0$$

$$c_2 a_{21} - c_1 a_{22} > 0$$

$$a_{12}^3 a_{21}^3 - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 \geq 0$$

$$a_{12}^2 a_{21}^2 - 2.00 \cdot a_{12} a_{11} a_{22} a_{21} + a_{11}^2 a_{22}^2 > 0$$

pot #1:

symbol a_{12} : $(-0.0, inf)$

symbol c_1 : $[-0.0, inf)$

symbol c_2 : $(-inf, 0.0)$

symbol a_{11} : $(-inf, 0.0]$

symbol a_{22} : $(-inf, 0.0)$

symbol b_1 : $[-0.0, inf)$

symbol b_2 : $[-0.0, inf)$

symbol a_{21} : $(-0.0, inf)$

$$-c_1 a_{12} + c_2 a_{11} > 0$$

$$a_{12} a_{21} - a_{11} a_{22} > 0$$

$$c_2 a_{21} - c_1 a_{22} > 0$$

$$-a_{12}^3 a_{21}^3 + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 \geq 0$$

$$-a_{12}^2 a_{21}^2 + 2.00 \cdot a_{12} a_{11} a_{22} a_{21} - a_{11}^2 a_{22}^2 > 0$$

pot #2:

symbol a_{12} : $(-0.0, inf)$

symbol c_1 : $[-0.0, inf)$

symbol c_2 : $(-inf, 0.0)$

symbol a_{11} : $(-inf, 0.0]$

symbol a_{22} : $(-inf, 0.0)$

symbol b_1 : $[-0.0, inf)$

symbol b_2 : -0.0

symbol a_{21} : $(-0.0, inf)$

$$-c_1 a_{12} + c_2 a_{11} > 0$$

$$a_{12} a_{21} - a_{11} a_{22} > 0$$

$$c_2 a_{21} - c_1 a_{22} > 0$$

$$a_{12}^3 a_{21}^3 - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 \geq 0$$

$$-a_{12}^2 a_{21}^2 + 2.00 \cdot a_{12} a_{11} a_{22} a_{21} - a_{11}^2 a_{22}^2 > 0$$

pot #3:

symbol a_{12} : $(-0.0, inf)$

symbol c_1 : $[-0.0, inf)$

symbol $c_2 : (-inf, 0.0)$
symbol $a_{11} : (-inf, 0.0]$
symbol $a_{22} : (-inf, 0.0)$
symbol $b_1 : [-0.0, inf)$
symbol $b_2 : -0.0$
symbol $a_{21} : (-0.0, inf)$
 $-c_1 a_{12} + c_2 a_{11} > 0$
 $a_{12} a_{21} - a_{11} a_{22} > 0$
 $c_2 a_{21} - c_1 a_{22} > 0$
 $-a_{12}^3 a_{21}^3 + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 \geq 0$
 $a_{12}^2 a_{21}^2 - 2.00 \cdot a_{12} a_{11} a_{22} a_{21} + a_{11}^2 a_{22}^2 > 0$

		x_0	x_1	
x_2	$\frac{b_1 a_{12} a_{21}^2 - b_1 a_{11} a_{22} a_{21} - a_{12} b_2 a_{11} a_{21} + b_2 a_{11}^2 a_{22}}{a_{12} a_{21}^2 - a_{11} a_{22} a_{21}}$	0.0	$\frac{a_{12} a_{21} - a_{11} a_{22}}{a_{21}}$	1
x_0	$\frac{\frac{a_{12}^3 b_2 a_{21}^3 - 3.00 \cdot a_{12}^2 b_2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} b_2 a_{11}^2 a_{22}^2 a_{21} - b_2 a_{11}^3 a_{22}^3}{a_{12}^3 a_{21}^4 - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^3 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21}^2 - a_{11}^3 a_{22}^3 a_{21}}}{-c_1 a_{12}^3 b_2 a_{21}^3 + 3.00 \cdot a_{12}^2 c_1 a_{11} a_{22} b_2 a_{21}^2 - 3.00 \cdot a_{12} c_1 a_{11}^2 a_{22}^2 b_2 a_{21} + c_1 b_2 a_{11}^3 a_{22}^3}$	1.00	$\frac{a_{12} a_{22} a_{21} - a_{11} a_{22}^2}{a_{12} a_{21}^2 - a_{11} a_{22} a_{21}}$	
Ψ	$\frac{a_{12}^3 a_{21}^4 - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^3 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21}^2 - a_{11}^3 a_{22}^3 a_{21}}{a_{12}^3 a_{21}^4 - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^3 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21}^2 - a_{11}^3 a_{22}^3 a_{21}}$	0.0	$\frac{a_{12} c_2 a_{21}^2 - c_1 a_{12} a_{22} a_{21} - c_2 a_{11} a_{22} a_{21} + c_1 a_{11} a_{22}^2}{a_{12} a_{21}^2 - a_{11} a_{22} a_{21}}$	

Table #0.1.0.0

Moving out basis: x_2 from line: 0

Moving to basis: x_1

pots:

pot #0:

symbol a_{12} : $(-0.0, inf)$

symbol c_1 : $[-0.0, inf)$

symbol c_2 : $(-inf, 0.0)$

symbol a_{11} : $(-inf, 0.0]$

symbol a_{22} : $(-inf, 0.0)$

symbol b_1 : $[-0.0, inf)$

symbol b_2 : $[-0.0, inf)$

symbol a_{21} : $(-0.0, inf)$

$$-c_1 a_{12} + c_2 a_{11} > 0$$

$$a_{12} a_{21} - a_{11} a_{22} > 0$$

$$c_2 a_{21} - c_1 a_{22} > 0$$

$$a_{12}^3 a_{21}^3 - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 \geq 0$$

$$a_{12}^2 a_{21}^2 - 2.00 \cdot a_{12} a_{11} a_{22} a_{21} + a_{11}^2 a_{22}^2 > 0$$

$$-a_{12} c_2 a_{21}^2 + c_1 a_{12} a_{22} a_{21} + c_2 a_{11} a_{22} a_{21} - c_1 a_{11} a_{22}^2 > 0$$

$$a_{12} a_{21} - a_{11} a_{22} \geq 0$$

pot #1:

symbol a_{12} : $(-0.0, inf)$

symbol c_1 : $[-0.0, inf)$

symbol c_2 : $(-inf, 0.0)$

symbol a_{11} : $(-inf, 0.0]$

symbol a_{22} : $(-inf, 0.0)$

symbol b_1 : $[-0.0, inf)$

symbol b_2 : $[-0.0, inf)$

symbol a_{21} : $(-0.0, inf)$

$$-c_1 a_{12} + c_2 a_{11} > 0$$

$$a_{12} a_{21} - a_{11} a_{22} > 0$$

$$c_2 a_{21} - c_1 a_{22} > 0$$

$$-a_{12}^3 a_{21}^3 + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 \geq 0$$

$$-a_{12}^2 a_{21}^2 + 2.00 \cdot a_{12} a_{11} a_{22} a_{21} - a_{11}^2 a_{22}^2 > 0$$

$$-a_{12} c_2 a_{21}^2 + c_1 a_{12} a_{22} a_{21} + c_2 a_{11} a_{22} a_{21} - c_1 a_{11} a_{22}^2 > 0$$

$$a_{12} a_{21} - a_{11} a_{22} \geq 0$$

pot #2:

symbol a_{12} : $(-0.0, inf)$

symbol c_1 : $[-0.0, inf)$

symbol c_2 : $(-inf, 0.0)$

symbol a_{11} : $(-inf, 0.0]$

symbol a_{22} : $(-inf, 0.0)$

symbol b_1 : $[-0.0, inf)$

symbol b_2 : -0.0

symbol a_{21} : $(-0.0, inf)$

$$-c_1 a_{12} + c_2 a_{11} > 0$$

$$a_{12} a_{21} - a_{11} a_{22} > 0$$

$$c_2 a_{21} - c_1 a_{22} > 0$$

$$a_{12}^3 a_{21}^3 - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 \geq 0$$

$$\begin{aligned}
& -a_{12}^2 a_{21}^2 + 2.00 \cdot a_{12} a_{11} a_{22} a_{21} - a_{11}^2 a_{22}^2 > 0 \\
& -a_{12} c_2 a_{21}^2 + c_1 a_{12} a_{22} a_{21} + c_2 a_{11} a_{22} a_{21} - c_1 a_{11} a_{22}^2 > 0 \\
& a_{12} a_{21} - a_{11} a_{22} \geq 0 \\
& \text{pot \#3:} \\
& \text{symbol } a_{12} : (-0.0, inf) \\
& \text{symbol } c_1 : [-0.0, inf) \\
& \text{symbol } c_2 : (-inf, 0.0) \\
& \text{symbol } a_{11} : (-inf, 0.0] \\
& \text{symbol } a_{22} : (-inf, 0.0) \\
& \text{symbol } b_1 : [-0.0, inf) \\
& \text{symbol } b_2 : -0.0 \\
& \text{symbol } a_{21} : (-0.0, inf) \\
& -c_1 a_{12} + c_2 a_{11} > 0 \\
& a_{12} a_{21} - a_{11} a_{22} > 0 \\
& c_2 a_{21} - c_1 a_{22} > 0 \\
& -a_{12}^3 a_{21}^3 + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 \geq 0 \\
& a_{12}^2 a_{21}^2 - 2.00 \cdot a_{12} a_{11} a_{22} a_{21} + a_{11}^2 a_{22}^2 > 0 \\
& -a_{12} c_2 a_{21}^2 + c_1 a_{12} a_{22} a_{21} + c_2 a_{11} a_{22} a_{21} - c_1 a_{11} a_{22}^2 > 0 \\
& a_{12} a_{21} - a_{11} a_{22} \geq 0
\end{aligned}$$

x_1	
x_0	
Ψ	$\frac{-c_1 a_{12}^6 b_2 a_{21}^5 + 5.00 \cdot a_{12}^5 c_1 a_{11} a_{22} b_2 a_{21}^4 - 10.00 \cdot a_{12}^4 c_1 a_{11}^2 a_{22}^2 b_2 a_{21}^3 + 10.00 \cdot a_{12}^3 c_1 a_{11}^3 a_{22}^3 b_2 a_{21}^2 - 5.00 \cdot a_{12}^2 c_1 a_{11}^4 a_{22}^4 b_2 a_{21} + c_1 a_{12} b_2 a_{11}^5 a_{22}^5 - a_{12}^5 c_2 b_1 a_{11}^4 a_{22}^4}{1}$

Table #0.1.0.0

Moving out basis: x_2 from line: 0

Moving to basis: x_3

pots:

pot #0:

symbol a_{12} : $(-0.0, inf)$

symbol c_1 : $(-0.0, inf)$

symbol c_2 : $(-inf, 0.0)$

symbol a_{11} : $(-inf, 0.0)$

symbol a_{22} : $(-inf, 0.0)$

symbol b_1 : $[-0.0, inf)$

symbol b_2 : $[-0.0, inf)$

symbol a_{21} : $(-0.0, inf)$

$$-c_1 a_{12} + c_2 a_{11} > 0$$

$$a_{12} a_{21} - a_{11} a_{22} > 0$$

$$c_2 a_{21} - c_1 a_{22} > 0$$

$$a_{12}^3 a_{21}^3 - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 \geq 0$$

$$a_{12}^2 a_{21}^2 - 2.00 \cdot a_{12} a_{11} a_{22} a_{21} + a_{11}^2 a_{22}^2 > 0$$

$$a_{12} c_2 a_{21}^2 - c_1 a_{12} a_{22} a_{21} - c_2 a_{11} a_{22} a_{21} + c_1 a_{11} a_{22}^2 \geq 0$$

$$a_{12}^3 a_{21}^3 - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 > 0$$

$$-a_{12}^8 a_{21}^8 + 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 + 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - a_{11}^8 a_{22}^8 \geq 0$$

$$a_{12}^8 a_{21}^8 - 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 - 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + a_{11}^8 a_{22}^8 > 0$$

pot #1:

symbol a_{12} : $(-0.0, inf)$

symbol c_1 : $(-0.0, inf)$

symbol c_2 : $(-inf, 0.0)$

symbol a_{11} : $(-inf, 0.0)$

symbol a_{22} : $(-inf, 0.0)$

symbol b_1 : $[-0.0, inf)$

symbol b_2 : $[-0.0, inf)$

symbol a_{21} : $(-0.0, inf)$

$$-c_1 a_{12} + c_2 a_{11} > 0$$

$$a_{12} a_{21} - a_{11} a_{22} > 0$$

$$c_2 a_{21} - c_1 a_{22} > 0$$

$$a_{12}^3 a_{21}^3 - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 \geq 0$$

$$a_{12}^2 a_{21}^2 - 2.00 \cdot a_{12} a_{11} a_{22} a_{21} + a_{11}^2 a_{22}^2 > 0$$

$$a_{12} c_2 a_{21}^2 - c_1 a_{12} a_{22} a_{21} - c_2 a_{11} a_{22} a_{21} + c_1 a_{11} a_{22}^2 \geq 0$$

$$a_{12}^3 a_{21}^3 - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 > 0$$

$$a_{12}^8 a_{21}^8 - 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 - 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + a_{11}^8 a_{22}^8 \geq 0$$

$$-a_{12}^8 a_{21}^8 + 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 + 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - a_{11}^8 a_{22}^8 > 0$$

pot #2:

symbol a_{12} : $(-0.0, inf)$

symbol c_1 : $(-0.0, inf)$

symbol c_2 : $(-inf, 0.0)$

symbol a_{11} : $(-inf, 0.0)$

symbol $a_{22} : (-inf, 0.0)$

symbol $b_1 : -0.0$

symbol $b_2 : [-0.0, inf)$

symbol $a_{21} : (-0.0, inf)$

$$-c_1 a_{12} + c_2 a_{11} > 0$$

$$a_{12} a_{21} - a_{11} a_{22} > 0$$

$$c_2 a_{21} - c_1 a_{22} > 0$$

$$a_{12}^3 a_{21}^3 - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 \geq 0$$

$$a_{12}^2 a_{21}^2 - 2.00 \cdot a_{12} a_{11} a_{22} a_{21} + a_{11}^2 a_{22}^2 > 0$$

$$a_{12} c_2 a_{21}^2 - c_1 a_{12} a_{22} a_{21} - c_2 a_{11} a_{22} a_{21} + c_1 a_{11} a_{22}^2 \geq 0$$

$$a_{12}^3 a_{21}^3 - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 > 0$$

$$-a_{12}^8 a_{21}^8 + 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 + 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - a_{11}^8 a_{22}^8 \geq 0$$

$$-a_{12}^8 a_{21}^8 + 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 + 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - a_{11}^8 a_{22}^8 > 0$$

pot #3:

symbol $a_{12} : (-0.0, inf)$

symbol $c_1 : (-0.0, inf)$

symbol $c_2 : (-inf, 0.0)$

symbol $a_{11} : (-inf, 0.0)$

symbol $a_{22} : (-inf, 0.0)$

symbol $b_1 : -0.0$

symbol $b_2 : [-0.0, inf)$

symbol $a_{21} : (-0.0, inf)$

$$-c_1 a_{12} + c_2 a_{11} > 0$$

$$a_{12} a_{21} - a_{11} a_{22} > 0$$

$$c_2 a_{21} - c_1 a_{22} > 0$$

$$a_{12}^3 a_{21}^3 - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 \geq 0$$

$$a_{12}^2 a_{21}^2 - 2.00 \cdot a_{12} a_{11} a_{22} a_{21} + a_{11}^2 a_{22}^2 > 0$$

$$a_{12} c_2 a_{21}^2 - c_1 a_{12} a_{22} a_{21} - c_2 a_{11} a_{22} a_{21} + c_1 a_{11} a_{22}^2 \geq 0$$

$$a_{12}^3 a_{21}^3 - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 > 0$$

$$a_{12}^8 a_{21}^8 - 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 - 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + a_{11}^8 a_{22}^8 \geq 0$$

$$a_{12}^8 a_{21}^8 - 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 - 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + a_{11}^8 a_{22}^8 > 0$$

pot #4:

symbol $a_{12} : (-0.0, inf)$

symbol $c_1 : (-0.0, inf)$

symbol $c_2 : (-inf, 0.0)$

symbol $a_{11} : (-inf, 0.0)$

symbol $a_{22} : (-inf, 0.0)$

symbol $b_1 : [-0.0, inf)$

symbol $b_2 : [-0.0, inf)$

symbol $a_{21} : (-0.0, inf)$

$$-c_1 a_{12} + c_2 a_{11} > 0$$

$$a_{12} a_{21} - a_{11} a_{22} > 0$$

$$c_2 a_{21} - c_1 a_{22} > 0$$

$$a_{12}^3 a_{21}^3 - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 \geq 0$$

$$a_{12}^2 a_{21}^2 - 2.00 \cdot a_{12} a_{11} a_{22} a_{21} + a_{11}^2 a_{22}^2 > 0$$

$$a_{12} c_2 a_{21}^2 - c_1 a_{12} a_{22} a_{21} - c_2 a_{11} a_{22} a_{21} + c_1 a_{11} a_{22}^2 \geq 0$$

$$\begin{aligned}
& a_{12}^3 a_{21}^3 - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 > 0 \\
& -a_{12}^3 a_{21}^3 + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 > 0 \\
& -a_{12}^8 a_{21}^8 + 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 + \\
& 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - a_{11}^8 a_{22}^8 \geq 0 \\
& a_{12}^8 a_{21}^8 - 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 - \\
& 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + a_{11}^8 a_{22}^8 > 0
\end{aligned}$$

pot #5:

symbol a_{12} : $(-0.0, inf)$

symbol c_1 : $(-0.0, inf)$

symbol c_2 : $(-inf, 0.0)$

symbol a_{11} : $(-inf, 0.0)$

symbol a_{22} : $(-inf, 0.0)$

symbol b_1 : $[-0.0, inf)$

symbol b_2 : $[-0.0, inf)$

symbol a_{21} : $(-0.0, inf)$

$$-c_1 a_{12} + c_2 a_{11} > 0$$

$$a_{12} a_{21} - a_{11} a_{22} > 0$$

$$c_2 a_{21} - c_1 a_{22} > 0$$

$$a_{12}^3 a_{21}^3 - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 \geq 0$$

$$a_{12}^2 a_{21}^2 - 2.00 \cdot a_{12} a_{11} a_{22} a_{21} + a_{11}^2 a_{22}^2 > 0$$

$$a_{12} c_2 a_{21}^2 - c_1 a_{12} a_{22} a_{21} - c_2 a_{11} a_{22} a_{21} + c_1 a_{11} a_{22}^2 \geq 0$$

$$a_{12}^3 a_{21}^3 - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 > 0$$

$$-a_{12}^3 a_{21}^3 + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 > 0$$

$$a_{12}^8 a_{21}^8 - 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 -$$

$$56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + a_{11}^8 a_{22}^8 \geq 0$$

$$-a_{12}^8 a_{21}^8 + 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 +$$

$$56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - a_{11}^8 a_{22}^8 > 0$$

pot #6:

symbol a_{12} : $(-0.0, inf)$

symbol c_1 : $(-0.0, inf)$

symbol c_2 : $(-inf, 0.0)$

symbol a_{11} : $(-inf, 0.0)$

symbol a_{22} : $(-inf, 0.0)$

symbol b_1 : -0.0

symbol b_2 : $[-0.0, inf)$

symbol a_{21} : $(-0.0, inf)$

$$-c_1 a_{12} + c_2 a_{11} > 0$$

$$a_{12} a_{21} - a_{11} a_{22} > 0$$

$$c_2 a_{21} - c_1 a_{22} > 0$$

$$a_{12}^3 a_{21}^3 - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 \geq 0$$

$$a_{12}^2 a_{21}^2 - 2.00 \cdot a_{12} a_{11} a_{22} a_{21} + a_{11}^2 a_{22}^2 > 0$$

$$a_{12} c_2 a_{21}^2 - c_1 a_{12} a_{22} a_{21} - c_2 a_{11} a_{22} a_{21} + c_1 a_{11} a_{22}^2 \geq 0$$

$$a_{12}^3 a_{21}^3 - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 > 0$$

$$-a_{12}^3 a_{21}^3 + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 > 0$$

$$-a_{12}^8 a_{21}^8 + 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 +$$

$$56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - a_{11}^8 a_{22}^8 \geq 0$$

$$-a_{12}^8 a_{21}^8 + 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 +$$

$$56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - a_{11}^8 a_{22}^8 > 0$$

pot #7:

symbol a_{12} : $(-0.0, inf)$

symbol $c_1 : (-0.0, inf)$

symbol $c_2 : (-inf, 0.0)$

symbol $a_{11} : (-inf, 0.0)$

symbol $a_{22} : (-inf, 0.0)$

symbol $b_1 : -0.0$

symbol $b_2 : [-0.0, inf)$

symbol $a_{21} : (-0.0, inf)$

$$-c_1 a_{12} + c_2 a_{11} > 0$$

$$a_{12} a_{21} - a_{11} a_{22} > 0$$

$$c_2 a_{21} - c_1 a_{22} > 0$$

$$a_{12}^3 a_{21}^3 - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 \geq 0$$

$$a_{12}^2 a_{21}^2 - 2.00 \cdot a_{12} a_{11} a_{22} a_{21} + a_{11}^2 a_{22}^2 > 0$$

$$a_{12} c_2 a_{21}^2 - c_1 a_{12} a_{22} a_{21} - c_2 a_{11} a_{22} a_{21} + c_1 a_{11} a_{22}^2 \geq 0$$

$$a_{12}^3 a_{21}^3 - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 > 0$$

$$-a_{12}^3 a_{21}^3 + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 > 0$$

$$a_{12}^8 a_{21}^8 - 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 -$$

$$56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + a_{11}^8 a_{22}^8 \geq 0$$

$$a_{12}^8 a_{21}^8 - 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 -$$

$$56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + a_{11}^8 a_{22}^8 > 0$$

pot #8:

symbol $a_{12} : (-0.0, inf)$

symbol $c_1 : (-0.0, inf)$

symbol $c_2 : (-inf, 0.0)$

symbol $a_{11} : (-inf, 0.0)$

symbol $a_{22} : (-inf, 0.0)$

symbol $b_1 : [-0.0, inf)$

symbol $b_2 : [-0.0, inf)$

symbol $a_{21} : (-0.0, inf)$

$$-c_1 a_{12} + c_2 a_{11} > 0$$

$$a_{12} a_{21} - a_{11} a_{22} > 0$$

$$c_2 a_{21} - c_1 a_{22} > 0$$

$$a_{12}^3 a_{21}^3 - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 \geq 0$$

$$a_{12}^2 a_{21}^2 - 2.00 \cdot a_{12} a_{11} a_{22} a_{21} + a_{11}^2 a_{22}^2 > 0$$

$$a_{12} c_2 a_{21}^2 - c_1 a_{12} a_{22} a_{21} - c_2 a_{11} a_{22} a_{21} + c_1 a_{11} a_{22}^2 \geq 0$$

$$-a_{12}^3 a_{21}^3 + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 > 0$$

$$a_{12}^3 a_{21}^3 - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 > 0$$

$$-a_{12}^8 a_{21}^8 + 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 +$$

$$56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - a_{11}^8 a_{22}^8 \geq 0$$

$$a_{12}^8 a_{21}^8 - 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 -$$

$$56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + a_{11}^8 a_{22}^8 > 0$$

pot #9:

symbol $a_{12} : (-0.0, inf)$

symbol $c_1 : (-0.0, inf)$

symbol $c_2 : (-inf, 0.0)$

symbol $a_{11} : (-inf, 0.0)$

symbol $a_{22} : (-inf, 0.0)$

symbol $b_1 : [-0.0, inf)$

symbol $b_2 : [-0.0, inf)$

symbol $a_{21} : (-0.0, inf)$

$$-c_1 a_{12} + c_2 a_{11} > 0$$

$$a_{12}a_{21} - a_{11}a_{22} > 0$$

$$c_2a_{21} - c_1a_{22} > 0$$

$$a_{12}^3a_{21}^3 - 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 + 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} - a_{11}^3a_{22}^3 \geq 0$$

$$a_{12}^2a_{21}^2 - 2.00 \cdot a_{12}a_{11}a_{22}a_{21} + a_{11}^2a_{22}^2 > 0$$

$$a_{12}c_2a_{21}^2 - c_1a_{12}a_{22}a_{21} - c_2a_{11}a_{22}a_{21} + c_1a_{11}a_{22}^2 \geq 0$$

$$-a_{12}^3a_{21}^3 + 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 - 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} + a_{11}^3a_{22}^3 > 0$$

$$a_{12}^3a_{21}^3 - 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 + 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} - a_{11}^3a_{22}^3 > 0$$

$$a_{12}^8a_{21}^8 - 8.00 \cdot a_{12}^7a_{11}a_{22}a_{21}^7 + 28.00 \cdot a_{12}^6a_{11}^2a_{22}^2a_{21}^6 - 56.00 \cdot a_{12}^5a_{11}^3a_{22}^3a_{21}^5 + 70.00 \cdot a_{12}^4a_{11}^4a_{22}^4a_{21}^4 - 56.00 \cdot a_{12}^3a_{11}^5a_{22}^5a_{21}^3 + 28.00 \cdot a_{12}^2a_{11}^6a_{22}^6a_{21}^2 - 8.00 \cdot a_{12}a_{11}^7a_{22}^7a_{21} + a_{11}^8a_{22}^8 \geq 0$$

$$-a_{12}^8a_{21}^8 + 8.00 \cdot a_{12}^7a_{11}a_{22}a_{21}^7 - 28.00 \cdot a_{12}^6a_{11}^2a_{22}^2a_{21}^6 + 56.00 \cdot a_{12}^5a_{11}^3a_{22}^3a_{21}^5 - 70.00 \cdot a_{12}^4a_{11}^4a_{22}^4a_{21}^4 + 56.00 \cdot a_{12}^3a_{11}^5a_{22}^5a_{21}^3 - 28.00 \cdot a_{12}^2a_{11}^6a_{22}^6a_{21}^2 + 8.00 \cdot a_{12}a_{11}^7a_{22}^7a_{21} - a_{11}^8a_{22}^8 > 0$$

pot #10:

symbol a_{12} : $(-0.0, inf)$

symbol c_1 : $(-0.0, inf)$

symbol c_2 : $(-inf, 0.0)$

symbol a_{11} : $(-inf, 0.0)$

symbol a_{22} : $(-inf, 0.0)$

symbol b_1 : -0.0

symbol b_2 : $[-0.0, inf)$

symbol a_{21} : $(-0.0, inf)$

$$-c_1a_{12} + c_2a_{11} > 0$$

$$a_{12}a_{21} - a_{11}a_{22} > 0$$

$$c_2a_{21} - c_1a_{22} > 0$$

$$a_{12}^3a_{21}^3 - 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 + 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} - a_{11}^3a_{22}^3 \geq 0$$

$$a_{12}^2a_{21}^2 - 2.00 \cdot a_{12}a_{11}a_{22}a_{21} + a_{11}^2a_{22}^2 > 0$$

$$a_{12}c_2a_{21}^2 - c_1a_{12}a_{22}a_{21} - c_2a_{11}a_{22}a_{21} + c_1a_{11}a_{22}^2 \geq 0$$

$$-a_{12}^3a_{21}^3 + 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 - 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} + a_{11}^3a_{22}^3 > 0$$

$$a_{12}^3a_{21}^3 - 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 + 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} - a_{11}^3a_{22}^3 > 0$$

$$-a_{12}^8a_{21}^8 + 8.00 \cdot a_{12}^7a_{11}a_{22}a_{21}^7 - 28.00 \cdot a_{12}^6a_{11}^2a_{22}^2a_{21}^6 + 56.00 \cdot a_{12}^5a_{11}^3a_{22}^3a_{21}^5 - 70.00 \cdot a_{12}^4a_{11}^4a_{22}^4a_{21}^4 + 56.00 \cdot a_{12}^3a_{11}^5a_{22}^5a_{21}^3 - 28.00 \cdot a_{12}^2a_{11}^6a_{22}^6a_{21}^2 + 8.00 \cdot a_{12}a_{11}^7a_{22}^7a_{21} - a_{11}^8a_{22}^8 \geq 0$$

$$-a_{12}^8a_{21}^8 + 8.00 \cdot a_{12}^7a_{11}a_{22}a_{21}^7 - 28.00 \cdot a_{12}^6a_{11}^2a_{22}^2a_{21}^6 + 56.00 \cdot a_{12}^5a_{11}^3a_{22}^3a_{21}^5 - 70.00 \cdot a_{12}^4a_{11}^4a_{22}^4a_{21}^4 + 56.00 \cdot a_{12}^3a_{11}^5a_{22}^5a_{21}^3 - 28.00 \cdot a_{12}^2a_{11}^6a_{22}^6a_{21}^2 + 8.00 \cdot a_{12}a_{11}^7a_{22}^7a_{21} - a_{11}^8a_{22}^8 > 0$$

pot #11:

symbol a_{12} : $(-0.0, inf)$

symbol c_1 : $(-0.0, inf)$

symbol c_2 : $(-inf, 0.0)$

symbol a_{11} : $(-inf, 0.0)$

symbol a_{22} : $(-inf, 0.0)$

symbol b_1 : -0.0

symbol b_2 : $[-0.0, inf)$

symbol a_{21} : $(-0.0, inf)$

$$-c_1a_{12} + c_2a_{11} > 0$$

$$a_{12}a_{21} - a_{11}a_{22} > 0$$

$$c_2a_{21} - c_1a_{22} > 0$$

$$a_{12}^3a_{21}^3 - 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 + 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} - a_{11}^3a_{22}^3 \geq 0$$

$$a_{12}^2a_{21}^2 - 2.00 \cdot a_{12}a_{11}a_{22}a_{21} + a_{11}^2a_{22}^2 > 0$$

$$a_{12}c_2a_{21}^2 - c_1a_{12}a_{22}a_{21} - c_2a_{11}a_{22}a_{21} + c_1a_{11}a_{22}^2 \geq 0$$

$$-a_{12}^3a_{21}^3 + 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 - 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} + a_{11}^3a_{22}^3 > 0$$

$$a_{12}^3a_{21}^3 - 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 + 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} - a_{11}^3a_{22}^3 > 0$$

$$a_{12}^8a_{21}^8 - 8.00 \cdot a_{12}^7a_{11}a_{22}a_{21}^7 + 28.00 \cdot a_{12}^6a_{11}^2a_{22}^2a_{21}^6 - 56.00 \cdot a_{12}^5a_{11}^3a_{22}^3a_{21}^5 + 70.00 \cdot a_{12}^4a_{11}^4a_{22}^4a_{21}^4 -$$

$$\begin{aligned}
& 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + a_{11}^8 a_{22}^8 \geq 0 \\
& a_{12}^8 a_{21}^8 - 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 - \\
& 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + a_{11}^8 a_{22}^8 > 0
\end{aligned}$$

pot #12:

symbol a_{12} : $(-0.0, inf)$

symbol c_1 : $(-0.0, inf)$

symbol c_2 : $(-inf, 0.0)$

symbol a_{11} : $(-inf, 0.0)$

symbol a_{22} : $(-inf, 0.0)$

symbol b_1 : $[-0.0, inf)$

symbol b_2 : $[-0.0, inf)$

symbol a_{21} : $(-0.0, inf)$

$$-c_1 a_{12} + c_2 a_{11} > 0$$

$$a_{12} a_{21} - a_{11} a_{22} > 0$$

$$c_2 a_{21} - c_1 a_{22} > 0$$

$$a_{12}^3 a_{21}^3 - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 \geq 0$$

$$a_{12}^2 a_{21}^2 - 2.00 \cdot a_{12} a_{11} a_{22} a_{21} + a_{11}^2 a_{22}^2 > 0$$

$$a_{12} c_2 a_{21}^2 - c_1 a_{12} a_{22} a_{21} - c_2 a_{11} a_{22} a_{21} + c_1 a_{11} a_{22}^2 \geq 0$$

$$-a_{12}^3 a_{21}^3 + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 > 0$$

$$-a_{12}^8 a_{21}^8 + 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 +$$

$$56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - a_{11}^8 a_{22}^8 \geq 0$$

$$a_{12}^8 a_{21}^8 - 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 -$$

$$56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + a_{11}^8 a_{22}^8 > 0$$

pot #13:

symbol a_{12} : $(-0.0, inf)$

symbol c_1 : $(-0.0, inf)$

symbol c_2 : $(-inf, 0.0)$

symbol a_{11} : $(-inf, 0.0)$

symbol a_{22} : $(-inf, 0.0)$

symbol b_1 : $[-0.0, inf)$

symbol b_2 : $[-0.0, inf)$

symbol a_{21} : $(-0.0, inf)$

$$-c_1 a_{12} + c_2 a_{11} > 0$$

$$a_{12} a_{21} - a_{11} a_{22} > 0$$

$$c_2 a_{21} - c_1 a_{22} > 0$$

$$a_{12}^3 a_{21}^3 - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 \geq 0$$

$$a_{12}^2 a_{21}^2 - 2.00 \cdot a_{12} a_{11} a_{22} a_{21} + a_{11}^2 a_{22}^2 > 0$$

$$a_{12} c_2 a_{21}^2 - c_1 a_{12} a_{22} a_{21} - c_2 a_{11} a_{22} a_{21} + c_1 a_{11} a_{22}^2 \geq 0$$

$$-a_{12}^3 a_{21}^3 + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 > 0$$

$$a_{12}^8 a_{21}^8 - 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 -$$

$$56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + a_{11}^8 a_{22}^8 \geq 0$$

$$-a_{12}^8 a_{21}^8 + 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 +$$

$$56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - a_{11}^8 a_{22}^8 > 0$$

pot #14:

symbol a_{12} : $(-0.0, inf)$

symbol c_1 : $(-0.0, inf)$

symbol c_2 : $(-inf, 0.0)$

symbol a_{11} : $(-inf, 0.0)$

symbol a_{22} : $(-inf, 0.0)$

symbol b_1 : -0.0

symbol $b_2 : [-0.0, inf)$

symbol $a_{21} : (-0.0, inf)$

$$-c_1 a_{12} + c_2 a_{11} > 0$$

$$a_{12} a_{21} - a_{11} a_{22} > 0$$

$$c_2 a_{21} - c_1 a_{22} > 0$$

$$a_{12}^3 a_{21}^3 - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 \geq 0$$

$$a_{12}^2 a_{21}^2 - 2.00 \cdot a_{12} a_{11} a_{22} a_{21} + a_{11}^2 a_{22}^2 > 0$$

$$a_{12} c_2 a_{21}^2 - c_1 a_{12} a_{22} a_{21} - c_2 a_{11} a_{22} a_{21} + c_1 a_{11} a_{22}^2 \geq 0$$

$$-a_{12}^3 a_{21}^3 + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 > 0$$

$$-a_{12}^8 a_{21}^8 + 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 +$$

$$56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - a_{11}^8 a_{22}^8 \geq 0$$

$$-a_{12}^8 a_{21}^8 + 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 +$$

$$56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - a_{11}^8 a_{22}^8 > 0$$

pot #15:

symbol $a_{12} : (-0.0, inf)$

symbol $c_1 : (-0.0, inf)$

symbol $c_2 : (-inf, 0.0)$

symbol $a_{11} : (-inf, 0.0)$

symbol $a_{22} : (-inf, 0.0)$

symbol $b_1 : -0.0$

symbol $b_2 : [-0.0, inf)$

symbol $a_{21} : (-0.0, inf)$

$$-c_1 a_{12} + c_2 a_{11} > 0$$

$$a_{12} a_{21} - a_{11} a_{22} > 0$$

$$c_2 a_{21} - c_1 a_{22} > 0$$

$$a_{12}^3 a_{21}^3 - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 \geq 0$$

$$a_{12}^2 a_{21}^2 - 2.00 \cdot a_{12} a_{11} a_{22} a_{21} + a_{11}^2 a_{22}^2 > 0$$

$$a_{12} c_2 a_{21}^2 - c_1 a_{12} a_{22} a_{21} - c_2 a_{11} a_{22} a_{21} + c_1 a_{11} a_{22}^2 \geq 0$$

$$-a_{12}^3 a_{21}^3 + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 > 0$$

$$a_{12}^8 a_{21}^8 - 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 -$$

$$56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + a_{11}^8 a_{22}^8 \geq 0$$

$$a_{12}^8 a_{21}^8 - 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 -$$

$$56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + a_{11}^8 a_{22}^8 > 0$$

pot #16:

symbol $a_{12} : (-0.0, inf)$

symbol $c_1 : (-0.0, inf)$

symbol $c_2 : (-inf, 0.0)$

symbol $a_{11} : (-inf, 0.0)$

symbol $a_{22} : (-inf, 0.0)$

symbol $b_1 : [-0.0, inf)$

symbol $b_2 : [-0.0, inf)$

symbol $a_{21} : (-0.0, inf)$

$$-c_1 a_{12} + c_2 a_{11} > 0$$

$$a_{12} a_{21} - a_{11} a_{22} > 0$$

$$c_2 a_{21} - c_1 a_{22} > 0$$

$$a_{12}^3 a_{21}^3 - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 \geq 0$$

$$a_{12}^2 a_{21}^2 - 2.00 \cdot a_{12} a_{11} a_{22} a_{21} + a_{11}^2 a_{22}^2 > 0$$

$$a_{12} c_2 a_{21}^2 - c_1 a_{12} a_{22} a_{21} - c_2 a_{11} a_{22} a_{21} + c_1 a_{11} a_{22}^2 \geq 0$$

$$a_{12}^3 a_{21}^3 - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 > 0$$

$$-a_{12}^3 a_{21}^3 + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 \geq 0$$

pot #17:

symbol $a_{12} : (-0.0, inf)$

symbol $c_1 : (-0.0, inf)$

symbol $c_2 : (-inf, 0.0)$

symbol $a_{11} : (-inf, 0.0)$

symbol $a_{22} : (-inf, 0.0)$

symbol $b_1 : [-0.0, inf)$

symbol $b_2 : [-0.0, inf)$

symbol $a_{21} : (-0.0, inf)$

$$-c_1 a_{12} + c_2 a_{11} > 0$$

$$a_{12} a_{21} - a_{11} a_{22} > 0$$

$$c_2 a_{21} - c_1 a_{22} > 0$$

$$a_{12}^3 a_{21}^3 - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 \geq 0$$

$$a_{12}^2 a_{21}^2 - 2.00 \cdot a_{12} a_{11} a_{22} a_{21} + a_{11}^2 a_{22}^2 > 0$$

$$a_{12} c_2 a_{21}^2 - c_1 a_{12} a_{22} a_{21} - c_2 a_{11} a_{22} a_{21} + c_1 a_{11} a_{22}^2 \geq 0$$

$$a_{12}^3 a_{21}^3 - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 > 0$$

$$-a_{12}^3 a_{21}^3 + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 > 0$$

pot #18:

symbol $a_{12} : (-0.0, inf)$

symbol $c_1 : (-0.0, inf)$

symbol $c_2 : (-inf, 0.0)$

symbol $a_{11} : (-inf, 0.0)$

symbol $a_{22} : (-inf, 0.0)$

symbol $b_1 : [-0.0, inf)$

symbol $b_2 : [-0.0, inf)$

symbol $a_{21} : (-0.0, inf)$

$$-c_1 a_{12} + c_2 a_{11} > 0$$

$$a_{12} a_{21} - a_{11} a_{22} > 0$$

$$c_2 a_{21} - c_1 a_{22} > 0$$

$$a_{12}^3 a_{21}^3 - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 \geq 0$$

$$a_{12}^2 a_{21}^2 - 2.00 \cdot a_{12} a_{11} a_{22} a_{21} + a_{11}^2 a_{22}^2 > 0$$

$$a_{12} c_2 a_{21}^2 - c_1 a_{12} a_{22} a_{21} - c_2 a_{11} a_{22} a_{21} + c_1 a_{11} a_{22}^2 \geq 0$$

$$-a_{12}^3 a_{21}^3 + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 > 0$$

$$-a_{12}^3 a_{21}^3 + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 \geq 0$$

$$a_{12}^3 a_{21}^3 - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 > 0$$

pot #19:

symbol $a_{12} : (-0.0, inf)$

symbol $c_1 : (-0.0, inf)$

symbol $c_2 : (-inf, 0.0)$

symbol $a_{11} : (-inf, 0.0)$

symbol $a_{22} : (-inf, 0.0)$

symbol $b_1 : [-0.0, inf)$

symbol $b_2 : [-0.0, inf)$

symbol $a_{21} : (-0.0, inf)$

$$-c_1 a_{12} + c_2 a_{11} > 0$$

$$a_{12} a_{21} - a_{11} a_{22} > 0$$

$$c_2 a_{21} - c_1 a_{22} > 0$$

$$a_{12}^3 a_{21}^3 - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 \geq 0$$

$$a_{12}^2 a_{21}^2 - 2.00 \cdot a_{12} a_{11} a_{22} a_{21} + a_{11}^2 a_{22}^2 > 0$$

$$a_{12} c_2 a_{21}^2 - c_1 a_{12} a_{22} a_{21} - c_2 a_{11} a_{22} a_{21} + c_1 a_{11} a_{22}^2 \geq 0$$

$$-a_{12}^3 a_{21}^3 + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 > 0$$

pot #20:

symbol $a_{12} : (-0.0, inf)$

symbol $c_1 : (-0.0, inf)$

symbol $c_2 : (-inf, 0.0)$

symbol $a_{11} : (-inf, 0.0)$

symbol $a_{22} : (-inf, 0.0)$

symbol $b_1 : [-0.0, inf)$

symbol $b_2 : [-0.0, inf)$

symbol $a_{21} : (-0.0, inf)$

$$-c_1 a_{12} + c_2 a_{11} > 0$$

$$a_{12} a_{21} - a_{11} a_{22} > 0$$

$$c_2 a_{21} - c_1 a_{22} > 0$$

$$-a_{12}^3 a_{21}^3 + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 \geq 0$$

$$-a_{12}^2 a_{21}^2 + 2.00 \cdot a_{12} a_{11} a_{22} a_{21} - a_{11}^2 a_{22}^2 > 0$$

$$a_{12} c_2 a_{21}^2 - c_1 a_{12} a_{22} a_{21} - c_2 a_{11} a_{22} a_{21} + c_1 a_{11} a_{22}^2 \geq 0$$

$$a_{12}^3 a_{21}^3 - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 > 0$$

$$-a_{12}^8 a_{21}^8 + 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 +$$

$$56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - a_{11}^8 a_{22}^8 \geq 0$$

$$a_{12}^8 a_{21}^8 - 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 -$$

$$56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + a_{11}^8 a_{22}^8 > 0$$

pot #21:

symbol $a_{12} : (-0.0, inf)$

symbol $c_1 : (-0.0, inf)$

symbol $c_2 : (-inf, 0.0)$

symbol $a_{11} : (-inf, 0.0)$

symbol $a_{22} : (-inf, 0.0)$

symbol $b_1 : [-0.0, inf)$

symbol $b_2 : [-0.0, inf)$

symbol $a_{21} : (-0.0, inf)$

$$-c_1 a_{12} + c_2 a_{11} > 0$$

$$a_{12} a_{21} - a_{11} a_{22} > 0$$

$$c_2 a_{21} - c_1 a_{22} > 0$$

$$-a_{12}^3 a_{21}^3 + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 \geq 0$$

$$-a_{12}^2 a_{21}^2 + 2.00 \cdot a_{12} a_{11} a_{22} a_{21} - a_{11}^2 a_{22}^2 > 0$$

$$a_{12} c_2 a_{21}^2 - c_1 a_{12} a_{22} a_{21} - c_2 a_{11} a_{22} a_{21} + c_1 a_{11} a_{22}^2 \geq 0$$

$$a_{12}^3 a_{21}^3 - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 > 0$$

$$a_{12}^8 a_{21}^8 - 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 -$$

$$56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + a_{11}^8 a_{22}^8 \geq 0$$

$$-a_{12}^8 a_{21}^8 + 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 +$$

$$56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - a_{11}^8 a_{22}^8 > 0$$

pot #22:

symbol $a_{12} : (-0.0, inf)$

symbol $c_1 : (-0.0, inf)$

symbol $c_2 : (-inf, 0.0)$

symbol $a_{11} : (-inf, 0.0)$

symbol $a_{22} : (-inf, 0.0)$

symbol $b_1 : -0.0$

symbol $b_2 : [-0.0, inf)$

symbol $a_{21} : (-0.0, inf)$

$$a_{12}^8 a_{21}^8 - 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 - 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + a_{11}^8 a_{22}^8 > 0$$

pot #25:

symbol a_{12} : $(-0.0, inf)$

symbol c_1 : $(-0.0, inf)$

symbol c_2 : $(-inf, 0.0)$

symbol a_{11} : $(-inf, 0.0)$

symbol a_{22} : $(-inf, 0.0)$

symbol b_1 : $[-0.0, inf)$

symbol b_2 : $[-0.0, inf)$

symbol a_{21} : $(-0.0, inf)$

$$-c_1 a_{12} + c_2 a_{11} > 0$$

$$a_{12} a_{21} - a_{11} a_{22} > 0$$

$$c_2 a_{21} - c_1 a_{22} > 0$$

$$-a_{12}^3 a_{21}^3 + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 \geq 0$$

$$-a_{12}^2 a_{21}^2 + 2.00 \cdot a_{12} a_{11} a_{22} a_{21} - a_{11}^2 a_{22}^2 > 0$$

$$a_{12} c_2 a_{21}^2 - c_1 a_{12} a_{22} a_{21} - c_2 a_{11} a_{22} a_{21} + c_1 a_{11} a_{22}^2 \geq 0$$

$$a_{12}^3 a_{21}^3 - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 > 0$$

$$-a_{12}^3 a_{21}^3 + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 > 0$$

$$a_{12}^8 a_{21}^8 - 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 - 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + a_{11}^8 a_{22}^8 \geq 0$$

$$-a_{12}^8 a_{21}^8 + 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 + 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - a_{11}^8 a_{22}^8 > 0$$

pot #26:

symbol a_{12} : $(-0.0, inf)$

symbol c_1 : $(-0.0, inf)$

symbol c_2 : $(-inf, 0.0)$

symbol a_{11} : $(-inf, 0.0)$

symbol a_{22} : $(-inf, 0.0)$

symbol b_1 : -0.0

symbol b_2 : $[-0.0, inf)$

symbol a_{21} : $(-0.0, inf)$

$$-c_1 a_{12} + c_2 a_{11} > 0$$

$$a_{12} a_{21} - a_{11} a_{22} > 0$$

$$c_2 a_{21} - c_1 a_{22} > 0$$

$$-a_{12}^3 a_{21}^3 + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 \geq 0$$

$$-a_{12}^2 a_{21}^2 + 2.00 \cdot a_{12} a_{11} a_{22} a_{21} - a_{11}^2 a_{22}^2 > 0$$

$$a_{12} c_2 a_{21}^2 - c_1 a_{12} a_{22} a_{21} - c_2 a_{11} a_{22} a_{21} + c_1 a_{11} a_{22}^2 \geq 0$$

$$a_{12}^3 a_{21}^3 - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 > 0$$

$$-a_{12}^3 a_{21}^3 + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 > 0$$

$$-a_{12}^8 a_{21}^8 + 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 + 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - a_{11}^8 a_{22}^8 \geq 0$$

$$-a_{12}^8 a_{21}^8 + 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 + 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - a_{11}^8 a_{22}^8 > 0$$

pot #27:

symbol a_{12} : $(-0.0, inf)$

symbol c_1 : $(-0.0, inf)$

symbol c_2 : $(-inf, 0.0)$

symbol a_{11} : $(-inf, 0.0)$

symbol a_{22} : $(-inf, 0.0)$

symbol $b_1 : -0.0$

symbol $b_2 : [-0.0, inf)$

symbol $a_{21} : (-0.0, inf)$

$$-c_1 a_{12} + c_2 a_{11} > 0$$

$$a_{12} a_{21} - a_{11} a_{22} > 0$$

$$c_2 a_{21} - c_1 a_{22} > 0$$

$$-a_{12}^3 a_{21}^3 + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 \geq 0$$

$$-a_{12}^2 a_{21}^2 + 2.00 \cdot a_{12} a_{11} a_{22} a_{21} - a_{11}^2 a_{22}^2 > 0$$

$$a_{12} c_2 a_{21}^2 - c_1 a_{12} a_{22} a_{21} - c_2 a_{11} a_{22} a_{21} + c_1 a_{11} a_{22}^2 \geq 0$$

$$a_{12}^3 a_{21}^3 - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 > 0$$

$$-a_{12}^2 a_{21}^2 + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 > 0$$

$$a_{12}^8 a_{21}^8 - 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 - 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + a_{11}^8 a_{22}^8 \geq 0$$

$$a_{12}^8 a_{21}^8 - 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 - 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + a_{11}^8 a_{22}^8 > 0$$

pot #28:

symbol $a_{12} : (-0.0, inf)$

symbol $c_1 : (-0.0, inf)$

symbol $c_2 : (-inf, 0.0)$

symbol $a_{11} : (-inf, 0.0)$

symbol $a_{22} : (-inf, 0.0)$

symbol $b_1 : [-0.0, inf)$

symbol $b_2 : [-0.0, inf)$

symbol $a_{21} : (-0.0, inf)$

$$-c_1 a_{12} + c_2 a_{11} > 0$$

$$a_{12} a_{21} - a_{11} a_{22} > 0$$

$$c_2 a_{21} - c_1 a_{22} > 0$$

$$-a_{12}^3 a_{21}^3 + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 \geq 0$$

$$-a_{12}^2 a_{21}^2 + 2.00 \cdot a_{12} a_{11} a_{22} a_{21} - a_{11}^2 a_{22}^2 > 0$$

$$a_{12} c_2 a_{21}^2 - c_1 a_{12} a_{22} a_{21} - c_2 a_{11} a_{22} a_{21} + c_1 a_{11} a_{22}^2 \geq 0$$

$$-a_{12}^3 a_{21}^3 + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 > 0$$

$$a_{12}^3 a_{21}^3 - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 > 0$$

$$-a_{12}^8 a_{21}^8 + 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 + 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - a_{11}^8 a_{22}^8 \geq 0$$

$$a_{12}^8 a_{21}^8 - 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 - 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + a_{11}^8 a_{22}^8 > 0$$

pot #29:

symbol $a_{12} : (-0.0, inf)$

symbol $c_1 : (-0.0, inf)$

symbol $c_2 : (-inf, 0.0)$

symbol $a_{11} : (-inf, 0.0)$

symbol $a_{22} : (-inf, 0.0)$

symbol $b_1 : [-0.0, inf)$

symbol $b_2 : [-0.0, inf)$

symbol $a_{21} : (-0.0, inf)$

$$-c_1 a_{12} + c_2 a_{11} > 0$$

$$a_{12} a_{21} - a_{11} a_{22} > 0$$

$$c_2 a_{21} - c_1 a_{22} > 0$$

$$-a_{12}^3 a_{21}^3 + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 \geq 0$$

$$-a_{12}^2 a_{21}^2 + 2.00 \cdot a_{12} a_{11} a_{22} a_{21} - a_{11}^2 a_{22}^2 > 0$$

$$\begin{aligned}
& a_{12}c_2a_{21}^2 - c_1a_{12}a_{22}a_{21} - c_2a_{11}a_{22}a_{21} + c_1a_{11}a_{22}^2 \geq 0 \\
& -a_{12}^3a_{21}^3 + 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 - 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} + a_{11}^3a_{22}^3 > 0 \\
& a_{12}^3a_{21}^3 - 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 + 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} - a_{11}^3a_{22}^3 > 0 \\
& a_{12}^8a_{21}^8 - 8.00 \cdot a_{12}^7a_{11}a_{22}a_{21}^7 + 28.00 \cdot a_{12}^6a_{11}^2a_{22}^2a_{21}^6 - 56.00 \cdot a_{12}^5a_{11}^3a_{22}^3a_{21}^5 + 70.00 \cdot a_{12}^4a_{11}^4a_{22}^4a_{21}^4 - \\
& 56.00 \cdot a_{12}^3a_{11}^5a_{22}^5a_{21}^3 + 28.00 \cdot a_{12}^2a_{11}^6a_{22}^6a_{21}^2 - 8.00 \cdot a_{12}a_{11}^7a_{22}^7a_{21} + a_{11}^8a_{22}^8 \geq 0 \\
& -a_{12}^8a_{21}^8 + 8.00 \cdot a_{12}^7a_{11}a_{22}a_{21}^7 - 28.00 \cdot a_{12}^6a_{11}^2a_{22}^2a_{21}^6 + 56.00 \cdot a_{12}^5a_{11}^3a_{22}^3a_{21}^5 - 70.00 \cdot a_{12}^4a_{11}^4a_{22}^4a_{21}^4 + \\
& 56.00 \cdot a_{12}^3a_{11}^5a_{22}^5a_{21}^3 - 28.00 \cdot a_{12}^2a_{11}^6a_{22}^6a_{21}^2 + 8.00 \cdot a_{12}a_{11}^7a_{22}^7a_{21} - a_{11}^8a_{22}^8 > 0
\end{aligned}$$

pot #30:

symbol a_{12} : $(-0.0, inf)$

symbol c_1 : $(-0.0, inf)$

symbol c_2 : $(-inf, 0.0)$

symbol a_{11} : $(-inf, 0.0)$

symbol a_{22} : $(-inf, 0.0)$

symbol b_1 : -0.0

symbol b_2 : $[-0.0, inf)$

symbol a_{21} : $(-0.0, inf)$

$$-c_1a_{12} + c_2a_{11} > 0$$

$$a_{12}a_{21} - a_{11}a_{22} > 0$$

$$c_2a_{21} - c_1a_{22} > 0$$

$$-a_{12}^3a_{21}^3 + 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 - 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} + a_{11}^3a_{22}^3 \geq 0$$

$$-a_{12}^2a_{21}^2 + 2.00 \cdot a_{12}a_{11}a_{22}a_{21} - a_{11}^2a_{22}^2 > 0$$

$$a_{12}c_2a_{21}^2 - c_1a_{12}a_{22}a_{21} - c_2a_{11}a_{22}a_{21} + c_1a_{11}a_{22}^2 \geq 0$$

$$-a_{12}^3a_{21}^3 + 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 - 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} + a_{11}^3a_{22}^3 > 0$$

$$a_{12}^3a_{21}^3 - 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 + 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} - a_{11}^3a_{22}^3 > 0$$

$$-a_{12}^8a_{21}^8 + 8.00 \cdot a_{12}^7a_{11}a_{22}a_{21}^7 - 28.00 \cdot a_{12}^6a_{11}^2a_{22}^2a_{21}^6 + 56.00 \cdot a_{12}^5a_{11}^3a_{22}^3a_{21}^5 - 70.00 \cdot a_{12}^4a_{11}^4a_{22}^4a_{21}^4 +$$

$$56.00 \cdot a_{12}^3a_{11}^5a_{22}^5a_{21}^3 - 28.00 \cdot a_{12}^2a_{11}^6a_{22}^6a_{21}^2 + 8.00 \cdot a_{12}a_{11}^7a_{22}^7a_{21} - a_{11}^8a_{22}^8 \geq 0$$

$$-a_{12}^8a_{21}^8 + 8.00 \cdot a_{12}^7a_{11}a_{22}a_{21}^7 - 28.00 \cdot a_{12}^6a_{11}^2a_{22}^2a_{21}^6 + 56.00 \cdot a_{12}^5a_{11}^3a_{22}^3a_{21}^5 - 70.00 \cdot a_{12}^4a_{11}^4a_{22}^4a_{21}^4 +$$

$$56.00 \cdot a_{12}^3a_{11}^5a_{22}^5a_{21}^3 - 28.00 \cdot a_{12}^2a_{11}^6a_{22}^6a_{21}^2 + 8.00 \cdot a_{12}a_{11}^7a_{22}^7a_{21} - a_{11}^8a_{22}^8 > 0$$

pot #31:

symbol a_{12} : $(-0.0, inf)$

symbol c_1 : $(-0.0, inf)$

symbol c_2 : $(-inf, 0.0)$

symbol a_{11} : $(-inf, 0.0)$

symbol a_{22} : $(-inf, 0.0)$

symbol b_1 : -0.0

symbol b_2 : $[-0.0, inf)$

symbol a_{21} : $(-0.0, inf)$

$$-c_1a_{12} + c_2a_{11} > 0$$

$$a_{12}a_{21} - a_{11}a_{22} > 0$$

$$c_2a_{21} - c_1a_{22} > 0$$

$$-a_{12}^3a_{21}^3 + 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 - 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} + a_{11}^3a_{22}^3 \geq 0$$

$$-a_{12}^2a_{21}^2 + 2.00 \cdot a_{12}a_{11}a_{22}a_{21} - a_{11}^2a_{22}^2 > 0$$

$$a_{12}c_2a_{21}^2 - c_1a_{12}a_{22}a_{21} - c_2a_{11}a_{22}a_{21} + c_1a_{11}a_{22}^2 \geq 0$$

$$-a_{12}^3a_{21}^3 + 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 - 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} + a_{11}^3a_{22}^3 > 0$$

$$a_{12}^3a_{21}^3 - 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 + 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} - a_{11}^3a_{22}^3 > 0$$

$$a_{12}^8a_{21}^8 - 8.00 \cdot a_{12}^7a_{11}a_{22}a_{21}^7 + 28.00 \cdot a_{12}^6a_{11}^2a_{22}^2a_{21}^6 - 56.00 \cdot a_{12}^5a_{11}^3a_{22}^3a_{21}^5 + 70.00 \cdot a_{12}^4a_{11}^4a_{22}^4a_{21}^4 -$$

$$56.00 \cdot a_{12}^3a_{11}^5a_{22}^5a_{21}^3 + 28.00 \cdot a_{12}^2a_{11}^6a_{22}^6a_{21}^2 - 8.00 \cdot a_{12}a_{11}^7a_{22}^7a_{21} + a_{11}^8a_{22}^8 \geq 0$$

$$a_{12}^8a_{21}^8 - 8.00 \cdot a_{12}^7a_{11}a_{22}a_{21}^7 + 28.00 \cdot a_{12}^6a_{11}^2a_{22}^2a_{21}^6 - 56.00 \cdot a_{12}^5a_{11}^3a_{22}^3a_{21}^5 + 70.00 \cdot a_{12}^4a_{11}^4a_{22}^4a_{21}^4 -$$

$$56.00 \cdot a_{12}^3a_{11}^5a_{22}^5a_{21}^3 + 28.00 \cdot a_{12}^2a_{11}^6a_{22}^6a_{21}^2 - 8.00 \cdot a_{12}a_{11}^7a_{22}^7a_{21} + a_{11}^8a_{22}^8 > 0$$

pot #32:

symbol $a_{12} : (-0.0, inf)$

symbol $c_1 : (-0.0, inf)$

symbol $c_2 : (-inf, 0.0)$

symbol $a_{11} : (-inf, 0.0)$

symbol $a_{22} : (-inf, 0.0)$

symbol $b_1 : [-0.0, inf)$

symbol $b_2 : [-0.0, inf)$

symbol $a_{21} : (-0.0, inf)$

$$-c_1 a_{12} + c_2 a_{11} > 0$$

$$a_{12} a_{21} - a_{11} a_{22} > 0$$

$$c_2 a_{21} - c_1 a_{22} > 0$$

$$-a_{12}^3 a_{21}^3 + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 \geq 0$$

$$-a_{12}^2 a_{21}^2 + 2.00 \cdot a_{12} a_{11} a_{22} a_{21} - a_{11}^2 a_{22}^2 > 0$$

$$a_{12} c_2 a_{21}^2 - c_1 a_{12} a_{22} a_{21} - c_2 a_{11} a_{22} a_{21} + c_1 a_{11} a_{22}^2 \geq 0$$

$$-a_{12}^3 a_{21}^3 + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 > 0$$

$$-a_{12}^8 a_{21}^8 + 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 +$$

$$56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - a_{11}^8 a_{22}^8 \geq 0$$

$$a_{12}^8 a_{21}^8 - 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 -$$

$$56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + a_{11}^8 a_{22}^8 > 0$$

pot #33:

symbol $a_{12} : (-0.0, inf)$

symbol $c_1 : (-0.0, inf)$

symbol $c_2 : (-inf, 0.0)$

symbol $a_{11} : (-inf, 0.0)$

symbol $a_{22} : (-inf, 0.0)$

symbol $b_1 : [-0.0, inf)$

symbol $b_2 : [-0.0, inf)$

symbol $a_{21} : (-0.0, inf)$

$$-c_1 a_{12} + c_2 a_{11} > 0$$

$$a_{12} a_{21} - a_{11} a_{22} > 0$$

$$c_2 a_{21} - c_1 a_{22} > 0$$

$$-a_{12}^3 a_{21}^3 + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 \geq 0$$

$$-a_{12}^2 a_{21}^2 + 2.00 \cdot a_{12} a_{11} a_{22} a_{21} - a_{11}^2 a_{22}^2 > 0$$

$$a_{12} c_2 a_{21}^2 - c_1 a_{12} a_{22} a_{21} - c_2 a_{11} a_{22} a_{21} + c_1 a_{11} a_{22}^2 \geq 0$$

$$-a_{12}^3 a_{21}^3 + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 > 0$$

$$a_{12}^8 a_{21}^8 - 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 -$$

$$56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + a_{11}^8 a_{22}^8 \geq 0$$

$$-a_{12}^8 a_{21}^8 + 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 +$$

$$56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - a_{11}^8 a_{22}^8 > 0$$

pot #34:

symbol $a_{12} : (-0.0, inf)$

symbol $c_1 : (-0.0, inf)$

symbol $c_2 : (-inf, 0.0)$

symbol $a_{11} : (-inf, 0.0)$

symbol $a_{22} : (-inf, 0.0)$

symbol $b_1 : -0.0$

symbol $b_2 : [-0.0, inf)$

symbol $a_{21} : (-0.0, inf)$

$$-c_1 a_{12} + c_2 a_{11} > 0$$

$$a_{12} a_{21} - a_{11} a_{22} > 0$$

$$c_2 a_{21} - c_1 a_{22} > 0$$

$$-a_{12}^3 a_{21}^3 + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 \geq 0$$

$$-a_{12}^2 a_{21}^2 + 2.00 \cdot a_{12} a_{11} a_{22} a_{21} - a_{11}^2 a_{22}^2 > 0$$

$$a_{12} c_2 a_{21}^2 - c_1 a_{12} a_{22} a_{21} - c_2 a_{11} a_{22} a_{21} + c_1 a_{11} a_{22}^2 \geq 0$$

$$-a_{12}^3 a_{21}^3 + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 > 0$$

$$-a_{12}^8 a_{21}^8 + 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 + 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - a_{11}^8 a_{22}^8 \geq 0$$

$$-a_{12}^8 a_{21}^8 + 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 + 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - a_{11}^8 a_{22}^8 > 0$$

pot #35:

symbol a_{12} : $(-0.0, inf)$

symbol c_1 : $(-0.0, inf)$

symbol c_2 : $(-inf, 0.0)$

symbol a_{11} : $(-inf, 0.0)$

symbol a_{22} : $(-inf, 0.0)$

symbol b_1 : -0.0

symbol b_2 : $[-0.0, inf)$

symbol a_{21} : $(-0.0, inf)$

$$-c_1 a_{12} + c_2 a_{11} > 0$$

$$a_{12} a_{21} - a_{11} a_{22} > 0$$

$$c_2 a_{21} - c_1 a_{22} > 0$$

$$-a_{12}^3 a_{21}^3 + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 \geq 0$$

$$-a_{12}^2 a_{21}^2 + 2.00 \cdot a_{12} a_{11} a_{22} a_{21} - a_{11}^2 a_{22}^2 > 0$$

$$a_{12} c_2 a_{21}^2 - c_1 a_{12} a_{22} a_{21} - c_2 a_{11} a_{22} a_{21} + c_1 a_{11} a_{22}^2 \geq 0$$

$$-a_{12}^3 a_{21}^3 + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 > 0$$

$$a_{12}^8 a_{21}^8 - 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 - 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + a_{11}^8 a_{22}^8 \geq 0$$

$$a_{12}^8 a_{21}^8 - 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 - 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + a_{11}^8 a_{22}^8 > 0$$

pot #36:

symbol a_{12} : $(-0.0, inf)$

symbol c_1 : $(-0.0, inf)$

symbol c_2 : $(-inf, 0.0)$

symbol a_{11} : $(-inf, 0.0)$

symbol a_{22} : $(-inf, 0.0)$

symbol b_1 : $[-0.0, inf)$

symbol b_2 : $[-0.0, inf)$

symbol a_{21} : $(-0.0, inf)$

$$-c_1 a_{12} + c_2 a_{11} > 0$$

$$a_{12} a_{21} - a_{11} a_{22} > 0$$

$$c_2 a_{21} - c_1 a_{22} > 0$$

$$-a_{12}^3 a_{21}^3 + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 \geq 0$$

$$-a_{12}^2 a_{21}^2 + 2.00 \cdot a_{12} a_{11} a_{22} a_{21} - a_{11}^2 a_{22}^2 > 0$$

$$a_{12} c_2 a_{21}^2 - c_1 a_{12} a_{22} a_{21} - c_2 a_{11} a_{22} a_{21} + c_1 a_{11} a_{22}^2 \geq 0$$

$$a_{12}^3 a_{21}^3 - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 > 0$$

pot #37:

symbol a_{12} : $(-0.0, inf)$

symbol c_1 : $(-0.0, inf)$

symbol c_2 : $(-inf, 0.0)$

symbol a_{11} : $(-inf, 0.0)$

symbol $a_{22} : (-inf, 0.0)$
 symbol $b_1 : [-0.0, inf)$
 symbol $b_2 : [-0.0, inf)$
 symbol $a_{21} : (-0.0, inf)$
 $-c_1 a_{12} + c_2 a_{11} > 0$
 $a_{12} a_{21} - a_{11} a_{22} > 0$
 $c_2 a_{21} - c_1 a_{22} > 0$
 $-a_{12}^3 a_{21}^3 + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 \geq 0$
 $-a_{12}^2 a_{21}^2 + 2.00 \cdot a_{12} a_{11} a_{22} a_{21} - a_{11}^2 a_{22}^2 > 0$
 $a_{12} c_2 a_{21}^2 - c_1 a_{12} a_{22} a_{21} - c_2 a_{11} a_{22} a_{21} + c_1 a_{11} a_{22}^2 \geq 0$
 $a_{12}^3 a_{21}^3 - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 > 0$
 $a_{12}^3 a_{21}^3 - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 \geq 0$
 $-a_{12}^3 a_{21}^3 + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 > 0$

pot #38:

symbol $a_{12} : (-0.0, inf)$
 symbol $c_1 : (-0.0, inf)$
 symbol $c_2 : (-inf, 0.0)$
 symbol $a_{11} : (-inf, 0.0)$
 symbol $a_{22} : (-inf, 0.0)$
 symbol $b_1 : [-0.0, inf)$
 symbol $b_2 : [-0.0, inf)$
 symbol $a_{21} : (-0.0, inf)$
 $-c_1 a_{12} + c_2 a_{11} > 0$
 $a_{12} a_{21} - a_{11} a_{22} > 0$
 $c_2 a_{21} - c_1 a_{22} > 0$
 $-a_{12}^3 a_{21}^3 + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 \geq 0$
 $-a_{12}^2 a_{21}^2 + 2.00 \cdot a_{12} a_{11} a_{22} a_{21} - a_{11}^2 a_{22}^2 > 0$
 $a_{12} c_2 a_{21}^2 - c_1 a_{12} a_{22} a_{21} - c_2 a_{11} a_{22} a_{21} + c_1 a_{11} a_{22}^2 \geq 0$
 $-a_{12}^3 a_{21}^3 + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 > 0$
 $a_{12}^3 a_{21}^3 - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 > 0$

pot #39:

symbol $a_{12} : (-0.0, inf)$
 symbol $c_1 : (-0.0, inf)$
 symbol $c_2 : (-inf, 0.0)$
 symbol $a_{11} : (-inf, 0.0)$
 symbol $a_{22} : (-inf, 0.0)$
 symbol $b_1 : [-0.0, inf)$
 symbol $b_2 : [-0.0, inf)$
 symbol $a_{21} : (-0.0, inf)$
 $-c_1 a_{12} + c_2 a_{11} > 0$
 $a_{12} a_{21} - a_{11} a_{22} > 0$
 $c_2 a_{21} - c_1 a_{22} > 0$
 $-a_{12}^3 a_{21}^3 + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 \geq 0$
 $-a_{12}^2 a_{21}^2 + 2.00 \cdot a_{12} a_{11} a_{22} a_{21} - a_{11}^2 a_{22}^2 > 0$
 $a_{12} c_2 a_{21}^2 - c_1 a_{12} a_{22} a_{21} - c_2 a_{11} a_{22} a_{21} + c_1 a_{11} a_{22}^2 \geq 0$
 $-a_{12}^3 a_{21}^3 + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 > 0$
 $a_{12}^3 a_{21}^3 - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 \geq 0$

pot #40:

symbol $a_{12} : (-0.0, inf)$
 symbol $c_1 : (-0.0, inf)$

symbol $c_2 : (-inf, 0.0)$
 symbol $a_{11} : (-inf, 0.0)$
 symbol $a_{22} : (-inf, 0.0)$
 symbol $b_1 : [-0.0, inf)$
 symbol $b_2 : -0.0$
 symbol $a_{21} : (-0.0, inf)$
 $-c_1 a_{12} + c_2 a_{11} > 0$
 $a_{12} a_{21} - a_{11} a_{22} > 0$
 $c_2 a_{21} - c_1 a_{22} > 0$
 $a_{12}^3 a_{21}^3 - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 \geq 0$
 $-a_{12}^2 a_{21}^2 + 2.00 \cdot a_{12} a_{11} a_{22} a_{21} - a_{11}^2 a_{22}^2 > 0$
 $a_{12} c_2 a_{21}^2 - c_1 a_{12} a_{22} a_{21} - c_2 a_{11} a_{22} a_{21} + c_1 a_{11} a_{22}^2 \geq 0$
 $a_{12}^3 a_{21}^3 - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 > 0$
 $-a_{12}^8 a_{21}^8 + 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 +$
 $56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - a_{11}^8 a_{22}^8 \geq 0$
 $a_{12}^8 a_{21}^8 - 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 -$
 $56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + a_{11}^8 a_{22}^8 > 0$

pot #41:

symbol $a_{12} : (-0.0, inf)$
 symbol $c_1 : (-0.0, inf)$
 symbol $c_2 : (-inf, 0.0)$
 symbol $a_{11} : (-inf, 0.0)$
 symbol $a_{22} : (-inf, 0.0)$
 symbol $b_1 : [-0.0, inf)$
 symbol $b_2 : -0.0$
 symbol $a_{21} : (-0.0, inf)$
 $-c_1 a_{12} + c_2 a_{11} > 0$
 $a_{12} a_{21} - a_{11} a_{22} > 0$
 $c_2 a_{21} - c_1 a_{22} > 0$
 $a_{12}^3 a_{21}^3 - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 \geq 0$
 $-a_{12}^2 a_{21}^2 + 2.00 \cdot a_{12} a_{11} a_{22} a_{21} - a_{11}^2 a_{22}^2 > 0$
 $a_{12} c_2 a_{21}^2 - c_1 a_{12} a_{22} a_{21} - c_2 a_{11} a_{22} a_{21} + c_1 a_{11} a_{22}^2 \geq 0$
 $a_{12}^3 a_{21}^3 - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 > 0$
 $a_{12}^8 a_{21}^8 - 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 -$
 $56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + a_{11}^8 a_{22}^8 \geq 0$
 $-a_{12}^8 a_{21}^8 + 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 +$
 $56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - a_{11}^8 a_{22}^8 > 0$

pot #42:

symbol $a_{12} : (-0.0, inf)$
 symbol $c_1 : (-0.0, inf)$
 symbol $c_2 : (-inf, 0.0)$
 symbol $a_{11} : (-inf, 0.0)$
 symbol $a_{22} : (-inf, 0.0)$
 symbol $b_1 : -0.0$
 symbol $b_2 : -0.0$
 symbol $a_{21} : (-0.0, inf)$
 $-c_1 a_{12} + c_2 a_{11} > 0$
 $a_{12} a_{21} - a_{11} a_{22} > 0$
 $c_2 a_{21} - c_1 a_{22} > 0$
 $a_{12}^3 a_{21}^3 - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 \geq 0$

symbol $c_1 : (-0.0, inf)$
 symbol $c_2 : (-inf, 0.0)$
 symbol $a_{11} : (-inf, 0.0)$
 symbol $a_{22} : (-inf, 0.0)$
 symbol $b_1 : [-0.0, inf)$
 symbol $b_2 : -0.0$
 symbol $a_{21} : (-0.0, inf)$
 $-c_1 a_{12} + c_2 a_{11} > 0$
 $a_{12} a_{21} - a_{11} a_{22} > 0$
 $c_2 a_{21} - c_1 a_{22} > 0$
 $a_{12}^3 a_{21}^3 - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 \geq 0$
 $-a_{12}^2 a_{21}^2 + 2.00 \cdot a_{12} a_{11} a_{22} a_{21} - a_{11}^2 a_{22}^2 > 0$
 $a_{12} c_2 a_{21}^2 - c_1 a_{12} a_{22} a_{21} - c_2 a_{11} a_{22} a_{21} + c_1 a_{11} a_{22}^2 \geq 0$
 $a_{12}^3 a_{21}^3 - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 > 0$
 $-a_{12}^3 a_{21}^3 + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 > 0$
 $a_{12}^8 a_{21}^8 - 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 -$
 $56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + a_{11}^8 a_{22}^8 \geq 0$
 $-a_{12}^8 a_{21}^8 + 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 +$
 $56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - a_{11}^8 a_{22}^8 > 0$
 pot #46:
 symbol $a_{12} : (-0.0, inf)$
 symbol $c_1 : (-0.0, inf)$
 symbol $c_2 : (-inf, 0.0)$
 symbol $a_{11} : (-inf, 0.0)$
 symbol $a_{22} : (-inf, 0.0)$
 symbol $b_1 : -0.0$
 symbol $b_2 : -0.0$
 symbol $a_{21} : (-0.0, inf)$
 $-c_1 a_{12} + c_2 a_{11} > 0$
 $a_{12} a_{21} - a_{11} a_{22} > 0$
 $c_2 a_{21} - c_1 a_{22} > 0$
 $a_{12}^3 a_{21}^3 - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 \geq 0$
 $-a_{12}^2 a_{21}^2 + 2.00 \cdot a_{12} a_{11} a_{22} a_{21} - a_{11}^2 a_{22}^2 > 0$
 $a_{12} c_2 a_{21}^2 - c_1 a_{12} a_{22} a_{21} - c_2 a_{11} a_{22} a_{21} + c_1 a_{11} a_{22}^2 \geq 0$
 $a_{12}^3 a_{21}^3 - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 > 0$
 $-a_{12}^3 a_{21}^3 + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 > 0$
 $-a_{12}^8 a_{21}^8 + 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 +$
 $56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - a_{11}^8 a_{22}^8 \geq 0$
 $-a_{12}^8 a_{21}^8 + 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 +$
 $56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - a_{11}^8 a_{22}^8 > 0$
 pot #47:
 symbol $a_{12} : (-0.0, inf)$
 symbol $c_1 : (-0.0, inf)$
 symbol $c_2 : (-inf, 0.0)$
 symbol $a_{11} : (-inf, 0.0)$
 symbol $a_{22} : (-inf, 0.0)$
 symbol $b_1 : -0.0$
 symbol $b_2 : -0.0$
 symbol $a_{21} : (-0.0, inf)$
 $-c_1 a_{12} + c_2 a_{11} > 0$

$$a_{12}a_{21} - a_{11}a_{22} > 0$$

$$c_2a_{21} - c_1a_{22} > 0$$

$$a_{12}^3a_{21}^3 - 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 + 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} - a_{11}^3a_{22}^3 \geq 0$$

$$-a_{12}^2a_{21}^2 + 2.00 \cdot a_{12}a_{11}a_{22}a_{21} - a_{11}^2a_{22}^2 > 0$$

$$a_{12}c_2a_{21}^2 - c_1a_{12}a_{22}a_{21} - c_2a_{11}a_{22}a_{21} + c_1a_{11}a_{22}^2 \geq 0$$

$$a_{12}^3a_{21}^3 - 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 + 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} - a_{11}^3a_{22}^3 > 0$$

$$-a_{12}^3a_{21}^3 + 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 - 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} + a_{11}^3a_{22}^3 > 0$$

$$a_{12}^8a_{21}^8 - 8.00 \cdot a_{12}^7a_{11}a_{22}a_{21}^7 + 28.00 \cdot a_{12}^6a_{11}^2a_{22}^2a_{21}^6 - 56.00 \cdot a_{12}^5a_{11}^3a_{22}^3a_{21}^5 + 70.00 \cdot a_{12}^4a_{11}^4a_{22}^4a_{21}^4 - 56.00 \cdot a_{12}^3a_{11}^5a_{22}^5a_{21}^3 + 28.00 \cdot a_{12}^2a_{11}^6a_{22}^6a_{21}^2 - 8.00 \cdot a_{12}a_{11}^7a_{22}^7a_{21} + a_{11}^8a_{22}^8 \geq 0$$

$$a_{12}^8a_{21}^8 - 8.00 \cdot a_{12}^7a_{11}a_{22}a_{21}^7 + 28.00 \cdot a_{12}^6a_{11}^2a_{22}^2a_{21}^6 - 56.00 \cdot a_{12}^5a_{11}^3a_{22}^3a_{21}^5 + 70.00 \cdot a_{12}^4a_{11}^4a_{22}^4a_{21}^4 - 56.00 \cdot a_{12}^3a_{11}^5a_{22}^5a_{21}^3 + 28.00 \cdot a_{12}^2a_{11}^6a_{22}^6a_{21}^2 - 8.00 \cdot a_{12}a_{11}^7a_{22}^7a_{21} + a_{11}^8a_{22}^8 > 0$$

pot #48:

symbol a_{12} : $(-0.0, inf)$

symbol c_1 : $(-0.0, inf)$

symbol c_2 : $(-inf, 0.0)$

symbol a_{11} : $(-inf, 0.0)$

symbol a_{22} : $(-inf, 0.0)$

symbol b_1 : $[-0.0, inf)$

symbol b_2 : -0.0

symbol a_{21} : $(-0.0, inf)$

$$-c_1a_{12} + c_2a_{11} > 0$$

$$a_{12}a_{21} - a_{11}a_{22} > 0$$

$$c_2a_{21} - c_1a_{22} > 0$$

$$a_{12}^3a_{21}^3 - 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 + 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} - a_{11}^3a_{22}^3 \geq 0$$

$$-a_{12}^2a_{21}^2 + 2.00 \cdot a_{12}a_{11}a_{22}a_{21} - a_{11}^2a_{22}^2 > 0$$

$$a_{12}c_2a_{21}^2 - c_1a_{12}a_{22}a_{21} - c_2a_{11}a_{22}a_{21} + c_1a_{11}a_{22}^2 \geq 0$$

$$-a_{12}^3a_{21}^3 + 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 - 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} + a_{11}^3a_{22}^3 > 0$$

$$a_{12}^3a_{21}^3 - 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 + 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} - a_{11}^3a_{22}^3 > 0$$

$$-a_{12}^8a_{21}^8 + 8.00 \cdot a_{12}^7a_{11}a_{22}a_{21}^7 - 28.00 \cdot a_{12}^6a_{11}^2a_{22}^2a_{21}^6 + 56.00 \cdot a_{12}^5a_{11}^3a_{22}^3a_{21}^5 - 70.00 \cdot a_{12}^4a_{11}^4a_{22}^4a_{21}^4 + 56.00 \cdot a_{12}^3a_{11}^5a_{22}^5a_{21}^3 - 28.00 \cdot a_{12}^2a_{11}^6a_{22}^6a_{21}^2 + 8.00 \cdot a_{12}a_{11}^7a_{22}^7a_{21} - a_{11}^8a_{22}^8 \geq 0$$

$$a_{12}^8a_{21}^8 - 8.00 \cdot a_{12}^7a_{11}a_{22}a_{21}^7 + 28.00 \cdot a_{12}^6a_{11}^2a_{22}^2a_{21}^6 - 56.00 \cdot a_{12}^5a_{11}^3a_{22}^3a_{21}^5 + 70.00 \cdot a_{12}^4a_{11}^4a_{22}^4a_{21}^4 - 56.00 \cdot a_{12}^3a_{11}^5a_{22}^5a_{21}^3 + 28.00 \cdot a_{12}^2a_{11}^6a_{22}^6a_{21}^2 - 8.00 \cdot a_{12}a_{11}^7a_{22}^7a_{21} + a_{11}^8a_{22}^8 > 0$$

pot #49:

symbol a_{12} : $(-0.0, inf)$

symbol c_1 : $(-0.0, inf)$

symbol c_2 : $(-inf, 0.0)$

symbol a_{11} : $(-inf, 0.0)$

symbol a_{22} : $(-inf, 0.0)$

symbol b_1 : $[-0.0, inf)$

symbol b_2 : -0.0

symbol a_{21} : $(-0.0, inf)$

$$-c_1a_{12} + c_2a_{11} > 0$$

$$a_{12}a_{21} - a_{11}a_{22} > 0$$

$$c_2a_{21} - c_1a_{22} > 0$$

$$a_{12}^3a_{21}^3 - 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 + 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} - a_{11}^3a_{22}^3 \geq 0$$

$$-a_{12}^2a_{21}^2 + 2.00 \cdot a_{12}a_{11}a_{22}a_{21} - a_{11}^2a_{22}^2 > 0$$

$$a_{12}c_2a_{21}^2 - c_1a_{12}a_{22}a_{21} - c_2a_{11}a_{22}a_{21} + c_1a_{11}a_{22}^2 \geq 0$$

$$-a_{12}^3a_{21}^3 + 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 - 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} + a_{11}^3a_{22}^3 > 0$$

$$a_{12}^3a_{21}^3 - 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 + 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} - a_{11}^3a_{22}^3 > 0$$

$$a_{12}^8a_{21}^8 - 8.00 \cdot a_{12}^7a_{11}a_{22}a_{21}^7 + 28.00 \cdot a_{12}^6a_{11}^2a_{22}^2a_{21}^6 - 56.00 \cdot a_{12}^5a_{11}^3a_{22}^3a_{21}^5 + 70.00 \cdot a_{12}^4a_{11}^4a_{22}^4a_{21}^4 -$$

$$\begin{aligned}
& 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + a_{11}^8 a_{22}^8 \geq 0 \\
& -a_{12}^8 a_{21}^8 + 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 + \\
& 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - a_{11}^8 a_{22}^8 > 0
\end{aligned}$$

pot #50:

symbol a_{12} : $(-0.0, inf)$

symbol c_1 : $(-0.0, inf)$

symbol c_2 : $(-inf, 0.0)$

symbol a_{11} : $(-inf, 0.0)$

symbol a_{22} : $(-inf, 0.0)$

symbol b_1 : -0.0

symbol b_2 : -0.0

symbol a_{21} : $(-0.0, inf)$

$$-c_1 a_{12} + c_2 a_{11} > 0$$

$$a_{12} a_{21} - a_{11} a_{22} > 0$$

$$c_2 a_{21} - c_1 a_{22} > 0$$

$$a_{12}^3 a_{21}^3 - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 \geq 0$$

$$-a_{12}^2 a_{21}^2 + 2.00 \cdot a_{12} a_{11} a_{22} a_{21} - a_{11}^2 a_{22}^2 > 0$$

$$a_{12} c_2 a_{21}^2 - c_1 a_{12} a_{22} a_{21} - c_2 a_{11} a_{22} a_{21} + c_1 a_{11} a_{22}^2 \geq 0$$

$$-a_{12}^3 a_{21}^3 + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 > 0$$

$$a_{12}^3 a_{21}^3 - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 > 0$$

$$-a_{12}^8 a_{21}^8 + 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 +$$

$$56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - a_{11}^8 a_{22}^8 \geq 0$$

$$-a_{12}^8 a_{21}^8 + 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 +$$

$$56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - a_{11}^8 a_{22}^8 > 0$$

pot #51:

symbol a_{12} : $(-0.0, inf)$

symbol c_1 : $(-0.0, inf)$

symbol c_2 : $(-inf, 0.0)$

symbol a_{11} : $(-inf, 0.0)$

symbol a_{22} : $(-inf, 0.0)$

symbol b_1 : -0.0

symbol b_2 : -0.0

symbol a_{21} : $(-0.0, inf)$

$$-c_1 a_{12} + c_2 a_{11} > 0$$

$$a_{12} a_{21} - a_{11} a_{22} > 0$$

$$c_2 a_{21} - c_1 a_{22} > 0$$

$$a_{12}^3 a_{21}^3 - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 \geq 0$$

$$-a_{12}^2 a_{21}^2 + 2.00 \cdot a_{12} a_{11} a_{22} a_{21} - a_{11}^2 a_{22}^2 > 0$$

$$a_{12} c_2 a_{21}^2 - c_1 a_{12} a_{22} a_{21} - c_2 a_{11} a_{22} a_{21} + c_1 a_{11} a_{22}^2 \geq 0$$

$$-a_{12}^3 a_{21}^3 + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 > 0$$

$$a_{12}^3 a_{21}^3 - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 > 0$$

$$a_{12}^8 a_{21}^8 - 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 -$$

$$56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + a_{11}^8 a_{22}^8 \geq 0$$

$$a_{12}^8 a_{21}^8 - 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 -$$

$$56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + a_{11}^8 a_{22}^8 > 0$$

pot #52:

symbol a_{12} : $(-0.0, inf)$

symbol c_1 : $(-0.0, inf)$

symbol c_2 : $(-inf, 0.0)$

symbol a_{11} : $(-inf, 0.0)$

symbol $a_{22} : (-inf, 0.0)$

symbol $b_1 : [-0.0, inf)$

symbol $b_2 : -0.0$

symbol $a_{21} : (-0.0, inf)$

$$-c_1 a_{12} + c_2 a_{11} > 0$$

$$a_{12} a_{21} - a_{11} a_{22} > 0$$

$$c_2 a_{21} - c_1 a_{22} > 0$$

$$a_{12}^3 a_{21}^3 - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 \geq 0$$

$$-a_{12}^2 a_{21}^2 + 2.00 \cdot a_{12} a_{11} a_{22} a_{21} - a_{11}^2 a_{22}^2 > 0$$

$$a_{12} c_2 a_{21}^2 - c_1 a_{12} a_{22} a_{21} - c_2 a_{11} a_{22} a_{21} + c_1 a_{11} a_{22}^2 \geq 0$$

$$-a_{12}^3 a_{21}^3 + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 > 0$$

$$-a_{12}^8 a_{21}^8 + 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 +$$

$$56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - a_{11}^8 a_{22}^8 \geq 0$$

$$a_{12}^8 a_{21}^8 - 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 -$$

$$56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + a_{11}^8 a_{22}^8 > 0$$

pot #53:

symbol $a_{12} : (-0.0, inf)$

symbol $c_1 : (-0.0, inf)$

symbol $c_2 : (-inf, 0.0)$

symbol $a_{11} : (-inf, 0.0)$

symbol $a_{22} : (-inf, 0.0)$

symbol $b_1 : [-0.0, inf)$

symbol $b_2 : -0.0$

symbol $a_{21} : (-0.0, inf)$

$$-c_1 a_{12} + c_2 a_{11} > 0$$

$$a_{12} a_{21} - a_{11} a_{22} > 0$$

$$c_2 a_{21} - c_1 a_{22} > 0$$

$$a_{12}^3 a_{21}^3 - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 \geq 0$$

$$-a_{12}^2 a_{21}^2 + 2.00 \cdot a_{12} a_{11} a_{22} a_{21} - a_{11}^2 a_{22}^2 > 0$$

$$a_{12} c_2 a_{21}^2 - c_1 a_{12} a_{22} a_{21} - c_2 a_{11} a_{22} a_{21} + c_1 a_{11} a_{22}^2 \geq 0$$

$$-a_{12}^3 a_{21}^3 + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 > 0$$

$$a_{12}^8 a_{21}^8 - 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 -$$

$$56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + a_{11}^8 a_{22}^8 \geq 0$$

$$-a_{12}^8 a_{21}^8 + 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 +$$

$$56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - a_{11}^8 a_{22}^8 > 0$$

pot #54:

symbol $a_{12} : (-0.0, inf)$

symbol $c_1 : (-0.0, inf)$

symbol $c_2 : (-inf, 0.0)$

symbol $a_{11} : (-inf, 0.0)$

symbol $a_{22} : (-inf, 0.0)$

symbol $b_1 : -0.0$

symbol $b_2 : -0.0$

symbol $a_{21} : (-0.0, inf)$

$$-c_1 a_{12} + c_2 a_{11} > 0$$

$$a_{12} a_{21} - a_{11} a_{22} > 0$$

$$c_2 a_{21} - c_1 a_{22} > 0$$

$$a_{12}^3 a_{21}^3 - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 \geq 0$$

$$-a_{12}^2 a_{21}^2 + 2.00 \cdot a_{12} a_{11} a_{22} a_{21} - a_{11}^2 a_{22}^2 > 0$$

$$a_{12} c_2 a_{21}^2 - c_1 a_{12} a_{22} a_{21} - c_2 a_{11} a_{22} a_{21} + c_1 a_{11} a_{22}^2 \geq 0$$

$$\begin{aligned}
& -a_{12}^3 a_{21}^3 + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 > 0 \\
& -a_{12}^8 a_{21}^8 + 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 + \\
& 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - a_{11}^8 a_{22}^8 \geq 0 \\
& -a_{12}^8 a_{21}^8 + 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 + \\
& 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - a_{11}^8 a_{22}^8 > 0
\end{aligned}$$

pot #55:

symbol a_{12} : $(-0.0, inf)$

symbol c_1 : $(-0.0, inf)$

symbol c_2 : $(-inf, 0.0)$

symbol a_{11} : $(-inf, 0.0)$

symbol a_{22} : $(-inf, 0.0)$

symbol b_1 : -0.0

symbol b_2 : -0.0

symbol a_{21} : $(-0.0, inf)$

$$-c_1 a_{12} + c_2 a_{11} > 0$$

$$a_{12} a_{21} - a_{11} a_{22} > 0$$

$$c_2 a_{21} - c_1 a_{22} > 0$$

$$a_{12}^3 a_{21}^3 - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 \geq 0$$

$$-a_{12}^2 a_{21}^2 + 2.00 \cdot a_{12} a_{11} a_{22} a_{21} - a_{11}^2 a_{22}^2 > 0$$

$$a_{12} c_2 a_{21}^2 - c_1 a_{12} a_{22} a_{21} - c_2 a_{11} a_{22} a_{21} + c_1 a_{11} a_{22}^2 \geq 0$$

$$-a_{12}^3 a_{21}^3 + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 > 0$$

$$a_{12}^8 a_{21}^8 - 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 -$$

$$56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + a_{11}^8 a_{22}^8 \geq 0$$

$$a_{12}^8 a_{21}^8 - 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 -$$

$$56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + a_{11}^8 a_{22}^8 > 0$$

pot #56:

symbol a_{12} : $(-0.0, inf)$

symbol c_1 : $(-0.0, inf)$

symbol c_2 : $(-inf, 0.0)$

symbol a_{11} : $(-inf, 0.0)$

symbol a_{22} : $(-inf, 0.0)$

symbol b_1 : $[-0.0, inf)$

symbol b_2 : -0.0

symbol a_{21} : $(-0.0, inf)$

$$-c_1 a_{12} + c_2 a_{11} > 0$$

$$a_{12} a_{21} - a_{11} a_{22} > 0$$

$$c_2 a_{21} - c_1 a_{22} > 0$$

$$a_{12}^3 a_{21}^3 - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 \geq 0$$

$$-a_{12}^2 a_{21}^2 + 2.00 \cdot a_{12} a_{11} a_{22} a_{21} - a_{11}^2 a_{22}^2 > 0$$

$$a_{12} c_2 a_{21}^2 - c_1 a_{12} a_{22} a_{21} - c_2 a_{11} a_{22} a_{21} + c_1 a_{11} a_{22}^2 \geq 0$$

$$a_{12}^3 a_{21}^3 - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 > 0$$

$$-a_{12}^3 a_{21}^3 + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 \geq 0$$

pot #57:

symbol a_{12} : $(-0.0, inf)$

symbol c_1 : $(-0.0, inf)$

symbol c_2 : $(-inf, 0.0)$

symbol a_{11} : $(-inf, 0.0)$

symbol a_{22} : $(-inf, 0.0)$

symbol b_1 : $[-0.0, inf)$

symbol b_2 : -0.0

symbol $a_{21} : (-0.0, inf)$

$$-c_1 a_{12} + c_2 a_{11} > 0$$

$$a_{12} a_{21} - a_{11} a_{22} > 0$$

$$c_2 a_{21} - c_1 a_{22} > 0$$

$$a_{12}^3 a_{21}^3 - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 \geq 0$$

$$-a_{12}^2 a_{21}^2 + 2.00 \cdot a_{12} a_{11} a_{22} a_{21} - a_{11}^2 a_{22}^2 > 0$$

$$a_{12} c_2 a_{21}^2 - c_1 a_{12} a_{22} a_{21} - c_2 a_{11} a_{22} a_{21} + c_1 a_{11} a_{22}^2 \geq 0$$

$$a_{12}^3 a_{21}^3 - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 > 0$$

$$-a_{12}^3 a_{21}^3 + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 > 0$$

pot #58:

symbol $a_{12} : (-0.0, inf)$

symbol $c_1 : (-0.0, inf)$

symbol $c_2 : (-inf, 0.0)$

symbol $a_{11} : (-inf, 0.0)$

symbol $a_{22} : (-inf, 0.0)$

symbol $b_1 : [-0.0, inf)$

symbol $b_2 : -0.0$

symbol $a_{21} : (-0.0, inf)$

$$-c_1 a_{12} + c_2 a_{11} > 0$$

$$a_{12} a_{21} - a_{11} a_{22} > 0$$

$$c_2 a_{21} - c_1 a_{22} > 0$$

$$a_{12}^3 a_{21}^3 - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 \geq 0$$

$$-a_{12}^2 a_{21}^2 + 2.00 \cdot a_{12} a_{11} a_{22} a_{21} - a_{11}^2 a_{22}^2 > 0$$

$$a_{12} c_2 a_{21}^2 - c_1 a_{12} a_{22} a_{21} - c_2 a_{11} a_{22} a_{21} + c_1 a_{11} a_{22}^2 \geq 0$$

$$-a_{12}^3 a_{21}^3 + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 > 0$$

$$-a_{12}^3 a_{21}^3 + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 \geq 0$$

$$a_{12}^3 a_{21}^3 - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 > 0$$

pot #59:

symbol $a_{12} : (-0.0, inf)$

symbol $c_1 : (-0.0, inf)$

symbol $c_2 : (-inf, 0.0)$

symbol $a_{11} : (-inf, 0.0)$

symbol $a_{22} : (-inf, 0.0)$

symbol $b_1 : [-0.0, inf)$

symbol $b_2 : -0.0$

symbol $a_{21} : (-0.0, inf)$

$$-c_1 a_{12} + c_2 a_{11} > 0$$

$$a_{12} a_{21} - a_{11} a_{22} > 0$$

$$c_2 a_{21} - c_1 a_{22} > 0$$

$$a_{12}^3 a_{21}^3 - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 \geq 0$$

$$-a_{12}^2 a_{21}^2 + 2.00 \cdot a_{12} a_{11} a_{22} a_{21} - a_{11}^2 a_{22}^2 > 0$$

$$a_{12} c_2 a_{21}^2 - c_1 a_{12} a_{22} a_{21} - c_2 a_{11} a_{22} a_{21} + c_1 a_{11} a_{22}^2 \geq 0$$

$$-a_{12}^3 a_{21}^3 + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 > 0$$

pot #60:

symbol $a_{12} : (-0.0, inf)$

symbol $c_1 : (-0.0, inf)$

symbol $c_2 : (-inf, 0.0)$

symbol $a_{11} : (-inf, 0.0)$

symbol $a_{22} : (-inf, 0.0)$

symbol $b_1 : [-0.0, inf)$

symbol $b_2 : -0.0$

symbol $a_{21} : (-0.0, inf)$

$-c_1 a_{12} + c_2 a_{11} > 0$

$a_{12} a_{21} - a_{11} a_{22} > 0$

$c_2 a_{21} - c_1 a_{22} > 0$

$-a_{12}^3 a_{21}^3 + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 \geq 0$

$a_{12}^2 a_{21}^2 - 2.00 \cdot a_{12} a_{11} a_{22} a_{21} + a_{11}^2 a_{22}^2 > 0$

$a_{12} c_2 a_{21}^2 - c_1 a_{12} a_{22} a_{21} - c_2 a_{11} a_{22} a_{21} + c_1 a_{11} a_{22}^2 \geq 0$

$a_{12}^3 a_{21}^3 - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 > 0$

$-a_{12}^8 a_{21}^8 + 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 +$

$56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - a_{11}^8 a_{22}^8 \geq 0$

$a_{12}^8 a_{21}^8 - 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 -$

$56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + a_{11}^8 a_{22}^8 > 0$

pot #61:

symbol $a_{12} : (-0.0, inf)$

symbol $c_1 : (-0.0, inf)$

symbol $c_2 : (-inf, 0.0)$

symbol $a_{11} : (-inf, 0.0)$

symbol $a_{22} : (-inf, 0.0)$

symbol $b_1 : [-0.0, inf)$

symbol $b_2 : -0.0$

symbol $a_{21} : (-0.0, inf)$

$-c_1 a_{12} + c_2 a_{11} > 0$

$a_{12} a_{21} - a_{11} a_{22} > 0$

$c_2 a_{21} - c_1 a_{22} > 0$

$-a_{12}^3 a_{21}^3 + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 \geq 0$

$a_{12}^2 a_{21}^2 - 2.00 \cdot a_{12} a_{11} a_{22} a_{21} + a_{11}^2 a_{22}^2 > 0$

$a_{12} c_2 a_{21}^2 - c_1 a_{12} a_{22} a_{21} - c_2 a_{11} a_{22} a_{21} + c_1 a_{11} a_{22}^2 \geq 0$

$a_{12}^3 a_{21}^3 - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 > 0$

$a_{12}^8 a_{21}^8 - 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 -$

$56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + a_{11}^8 a_{22}^8 \geq 0$

$-a_{12}^8 a_{21}^8 + 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 +$

$56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - a_{11}^8 a_{22}^8 > 0$

pot #62:

symbol $a_{12} : (-0.0, inf)$

symbol $c_1 : (-0.0, inf)$

symbol $c_2 : (-inf, 0.0)$

symbol $a_{11} : (-inf, 0.0)$

symbol $a_{22} : (-inf, 0.0)$

symbol $b_1 : -0.0$

symbol $b_2 : -0.0$

symbol $a_{21} : (-0.0, inf)$

$-c_1 a_{12} + c_2 a_{11} > 0$

$a_{12} a_{21} - a_{11} a_{22} > 0$

$c_2 a_{21} - c_1 a_{22} > 0$

$-a_{12}^3 a_{21}^3 + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 \geq 0$

$a_{12}^2 a_{21}^2 - 2.00 \cdot a_{12} a_{11} a_{22} a_{21} + a_{11}^2 a_{22}^2 > 0$

$a_{12} c_2 a_{21}^2 - c_1 a_{12} a_{22} a_{21} - c_2 a_{11} a_{22} a_{21} + c_1 a_{11} a_{22}^2 \geq 0$

$a_{12}^3 a_{21}^3 - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 > 0$

$-a_{12}^8 a_{21}^8 + 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 +$

$$\begin{aligned}
& 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - a_{11}^8 a_{22}^8 \geq 0 \\
& -a_{12}^8 a_{21}^8 + 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 + \\
& 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - a_{11}^8 a_{22}^8 > 0
\end{aligned}$$

pot #63:

symbol a_{12} : $(-0.0, inf)$

symbol c_1 : $(-0.0, inf)$

symbol c_2 : $(-inf, 0.0)$

symbol a_{11} : $(-inf, 0.0)$

symbol a_{22} : $(-inf, 0.0)$

symbol b_1 : -0.0

symbol b_2 : -0.0

symbol a_{21} : $(-0.0, inf)$

$$-c_1 a_{12} + c_2 a_{11} > 0$$

$$a_{12} a_{21} - a_{11} a_{22} > 0$$

$$c_2 a_{21} - c_1 a_{22} > 0$$

$$-a_{12}^3 a_{21}^3 + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 \geq 0$$

$$a_{12}^2 a_{21}^2 - 2.00 \cdot a_{12} a_{11} a_{22} a_{21} + a_{11}^2 a_{22}^2 > 0$$

$$a_{12} c_2 a_{21}^2 - c_1 a_{12} a_{22} a_{21} - c_2 a_{11} a_{22} a_{21} + c_1 a_{11} a_{22}^2 \geq 0$$

$$a_{12}^3 a_{21}^3 - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 > 0$$

$$a_{12}^8 a_{21}^8 - 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 -$$

$$56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + a_{11}^8 a_{22}^8 \geq 0$$

$$a_{12}^8 a_{21}^8 - 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 -$$

$$56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + a_{11}^8 a_{22}^8 > 0$$

pot #64:

symbol a_{12} : $(-0.0, inf)$

symbol c_1 : $(-0.0, inf)$

symbol c_2 : $(-inf, 0.0)$

symbol a_{11} : $(-inf, 0.0)$

symbol a_{22} : $(-inf, 0.0)$

symbol b_1 : $[-0.0, inf)$

symbol b_2 : -0.0

symbol a_{21} : $(-0.0, inf)$

$$-c_1 a_{12} + c_2 a_{11} > 0$$

$$a_{12} a_{21} - a_{11} a_{22} > 0$$

$$c_2 a_{21} - c_1 a_{22} > 0$$

$$-a_{12}^3 a_{21}^3 + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 \geq 0$$

$$a_{12}^2 a_{21}^2 - 2.00 \cdot a_{12} a_{11} a_{22} a_{21} + a_{11}^2 a_{22}^2 > 0$$

$$a_{12} c_2 a_{21}^2 - c_1 a_{12} a_{22} a_{21} - c_2 a_{11} a_{22} a_{21} + c_1 a_{11} a_{22}^2 \geq 0$$

$$a_{12}^3 a_{21}^3 - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 > 0$$

$$-a_{12}^3 a_{21}^3 + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 > 0$$

$$-a_{12}^8 a_{21}^8 + 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 +$$

$$56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - a_{11}^8 a_{22}^8 \geq 0$$

$$a_{12}^8 a_{21}^8 - 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 -$$

$$56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + a_{11}^8 a_{22}^8 > 0$$

pot #65:

symbol a_{12} : $(-0.0, inf)$

symbol c_1 : $(-0.0, inf)$

symbol c_2 : $(-inf, 0.0)$

symbol a_{11} : $(-inf, 0.0)$

symbol a_{22} : $(-inf, 0.0)$

symbol $b_1 : [-0.0, inf)$

symbol $b_2 : -0.0$

symbol $a_{21} : (-0.0, inf)$

$-c_1 a_{12} + c_2 a_{11} > 0$

$a_{12} a_{21} - a_{11} a_{22} > 0$

$c_2 a_{21} - c_1 a_{22} > 0$

$-a_{12}^3 a_{21}^3 + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 \geq 0$

$a_{12}^2 a_{21}^2 - 2.00 \cdot a_{12} a_{11} a_{22} a_{21} + a_{11}^2 a_{22}^2 > 0$

$a_{12} c_2 a_{21}^2 - c_1 a_{12} a_{22} a_{21} - c_2 a_{11} a_{22} a_{21} + c_1 a_{11} a_{22}^2 \geq 0$

$a_{12}^3 a_{21}^3 - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 > 0$

$-a_{12}^3 a_{21}^3 + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 > 0$

$a_{12}^8 a_{21}^8 - 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 -$
 $56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + a_{11}^8 a_{22}^8 \geq 0$

$-a_{12}^8 a_{21}^8 + 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 +$
 $56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - a_{11}^8 a_{22}^8 > 0$

pot #66:

symbol $a_{12} : (-0.0, inf)$

symbol $c_1 : (-0.0, inf)$

symbol $c_2 : (-inf, 0.0)$

symbol $a_{11} : (-inf, 0.0)$

symbol $a_{22} : (-inf, 0.0)$

symbol $b_1 : -0.0$

symbol $b_2 : -0.0$

symbol $a_{21} : (-0.0, inf)$

$-c_1 a_{12} + c_2 a_{11} > 0$

$a_{12} a_{21} - a_{11} a_{22} > 0$

$c_2 a_{21} - c_1 a_{22} > 0$

$-a_{12}^3 a_{21}^3 + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 \geq 0$

$a_{12}^2 a_{21}^2 - 2.00 \cdot a_{12} a_{11} a_{22} a_{21} + a_{11}^2 a_{22}^2 > 0$

$a_{12} c_2 a_{21}^2 - c_1 a_{12} a_{22} a_{21} - c_2 a_{11} a_{22} a_{21} + c_1 a_{11} a_{22}^2 \geq 0$

$a_{12}^3 a_{21}^3 - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 > 0$

$-a_{12}^3 a_{21}^3 + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 > 0$

$-a_{12}^8 a_{21}^8 + 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 +$
 $56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - a_{11}^8 a_{22}^8 \geq 0$

$-a_{12}^8 a_{21}^8 + 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 +$
 $56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - a_{11}^8 a_{22}^8 > 0$

pot #67:

symbol $a_{12} : (-0.0, inf)$

symbol $c_1 : (-0.0, inf)$

symbol $c_2 : (-inf, 0.0)$

symbol $a_{11} : (-inf, 0.0)$

symbol $a_{22} : (-inf, 0.0)$

symbol $b_1 : -0.0$

symbol $b_2 : -0.0$

symbol $a_{21} : (-0.0, inf)$

$-c_1 a_{12} + c_2 a_{11} > 0$

$a_{12} a_{21} - a_{11} a_{22} > 0$

$c_2 a_{21} - c_1 a_{22} > 0$

$-a_{12}^3 a_{21}^3 + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 \geq 0$

$a_{12}^2 a_{21}^2 - 2.00 \cdot a_{12} a_{11} a_{22} a_{21} + a_{11}^2 a_{22}^2 > 0$

$$\begin{aligned}
& a_{12}c_2a_{21}^2 - c_1a_{12}a_{22}a_{21} - c_2a_{11}a_{22}a_{21} + c_1a_{11}a_{22}^2 \geq 0 \\
& a_{12}^3a_{21}^3 - 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 + 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} - a_{11}^3a_{22}^3 > 0 \\
& -a_{12}^3a_{21}^3 + 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 - 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} + a_{11}^3a_{22}^3 > 0 \\
& a_{12}^8a_{21}^8 - 8.00 \cdot a_{12}^7a_{11}a_{22}a_{21}^7 + 28.00 \cdot a_{12}^6a_{11}^2a_{22}^2a_{21}^6 - 56.00 \cdot a_{12}^5a_{11}^3a_{22}^3a_{21}^5 + 70.00 \cdot a_{12}^4a_{11}^4a_{22}^4a_{21}^4 - \\
& 56.00 \cdot a_{12}^3a_{11}^5a_{22}^5a_{21}^3 + 28.00 \cdot a_{12}^2a_{11}^6a_{22}^6a_{21}^2 - 8.00 \cdot a_{12}a_{11}^7a_{22}^7a_{21} + a_{11}^8a_{22}^8 \geq 0 \\
& a_{12}^8a_{21}^8 - 8.00 \cdot a_{12}^7a_{11}a_{22}a_{21}^7 + 28.00 \cdot a_{12}^6a_{11}^2a_{22}^2a_{21}^6 - 56.00 \cdot a_{12}^5a_{11}^3a_{22}^3a_{21}^5 + 70.00 \cdot a_{12}^4a_{11}^4a_{22}^4a_{21}^4 - \\
& 56.00 \cdot a_{12}^3a_{11}^5a_{22}^5a_{21}^3 + 28.00 \cdot a_{12}^2a_{11}^6a_{22}^6a_{21}^2 - 8.00 \cdot a_{12}a_{11}^7a_{22}^7a_{21} + a_{11}^8a_{22}^8 > 0
\end{aligned}$$

pot #68:

symbol a_{12} : $(-0.0, inf)$

symbol c_1 : $(-0.0, inf)$

symbol c_2 : $(-inf, 0.0)$

symbol a_{11} : $(-inf, 0.0)$

symbol a_{22} : $(-inf, 0.0)$

symbol b_1 : $[-0.0, inf)$

symbol b_2 : -0.0

symbol a_{21} : $(-0.0, inf)$

$$-c_1a_{12} + c_2a_{11} > 0$$

$$a_{12}a_{21} - a_{11}a_{22} > 0$$

$$c_2a_{21} - c_1a_{22} > 0$$

$$-a_{12}^3a_{21}^3 + 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 - 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} + a_{11}^3a_{22}^3 \geq 0$$

$$a_{12}^2a_{21}^2 - 2.00 \cdot a_{12}a_{11}a_{22}a_{21} + a_{11}^2a_{22}^2 > 0$$

$$a_{12}c_2a_{21}^2 - c_1a_{12}a_{22}a_{21} - c_2a_{11}a_{22}a_{21} + c_1a_{11}a_{22}^2 \geq 0$$

$$-a_{12}^3a_{21}^3 + 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 - 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} + a_{11}^3a_{22}^3 > 0$$

$$a_{12}^3a_{21}^3 - 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 + 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} - a_{11}^3a_{22}^3 > 0$$

$$-a_{12}^8a_{21}^8 + 8.00 \cdot a_{12}^7a_{11}a_{22}a_{21}^7 - 28.00 \cdot a_{12}^6a_{11}^2a_{22}^2a_{21}^6 + 56.00 \cdot a_{12}^5a_{11}^3a_{22}^3a_{21}^5 - 70.00 \cdot a_{12}^4a_{11}^4a_{22}^4a_{21}^4 +$$

$$56.00 \cdot a_{12}^3a_{11}^5a_{22}^5a_{21}^3 - 28.00 \cdot a_{12}^2a_{11}^6a_{22}^6a_{21}^2 + 8.00 \cdot a_{12}a_{11}^7a_{22}^7a_{21} - a_{11}^8a_{22}^8 \geq 0$$

$$a_{12}^8a_{21}^8 - 8.00 \cdot a_{12}^7a_{11}a_{22}a_{21}^7 + 28.00 \cdot a_{12}^6a_{11}^2a_{22}^2a_{21}^6 - 56.00 \cdot a_{12}^5a_{11}^3a_{22}^3a_{21}^5 + 70.00 \cdot a_{12}^4a_{11}^4a_{22}^4a_{21}^4 -$$

$$56.00 \cdot a_{12}^3a_{11}^5a_{22}^5a_{21}^3 + 28.00 \cdot a_{12}^2a_{11}^6a_{22}^6a_{21}^2 - 8.00 \cdot a_{12}a_{11}^7a_{22}^7a_{21} + a_{11}^8a_{22}^8 > 0$$

pot #69:

symbol a_{12} : $(-0.0, inf)$

symbol c_1 : $(-0.0, inf)$

symbol c_2 : $(-inf, 0.0)$

symbol a_{11} : $(-inf, 0.0)$

symbol a_{22} : $(-inf, 0.0)$

symbol b_1 : $[-0.0, inf)$

symbol b_2 : -0.0

symbol a_{21} : $(-0.0, inf)$

$$-c_1a_{12} + c_2a_{11} > 0$$

$$a_{12}a_{21} - a_{11}a_{22} > 0$$

$$c_2a_{21} - c_1a_{22} > 0$$

$$-a_{12}^3a_{21}^3 + 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 - 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} + a_{11}^3a_{22}^3 \geq 0$$

$$a_{12}^2a_{21}^2 - 2.00 \cdot a_{12}a_{11}a_{22}a_{21} + a_{11}^2a_{22}^2 > 0$$

$$a_{12}c_2a_{21}^2 - c_1a_{12}a_{22}a_{21} - c_2a_{11}a_{22}a_{21} + c_1a_{11}a_{22}^2 \geq 0$$

$$-a_{12}^3a_{21}^3 + 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 - 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} + a_{11}^3a_{22}^3 > 0$$

$$a_{12}^3a_{21}^3 - 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 + 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} - a_{11}^3a_{22}^3 > 0$$

$$a_{12}^8a_{21}^8 - 8.00 \cdot a_{12}^7a_{11}a_{22}a_{21}^7 + 28.00 \cdot a_{12}^6a_{11}^2a_{22}^2a_{21}^6 - 56.00 \cdot a_{12}^5a_{11}^3a_{22}^3a_{21}^5 + 70.00 \cdot a_{12}^4a_{11}^4a_{22}^4a_{21}^4 -$$

$$56.00 \cdot a_{12}^3a_{11}^5a_{22}^5a_{21}^3 + 28.00 \cdot a_{12}^2a_{11}^6a_{22}^6a_{21}^2 - 8.00 \cdot a_{12}a_{11}^7a_{22}^7a_{21} + a_{11}^8a_{22}^8 \geq 0$$

$$-a_{12}^8a_{21}^8 + 8.00 \cdot a_{12}^7a_{11}a_{22}a_{21}^7 - 28.00 \cdot a_{12}^6a_{11}^2a_{22}^2a_{21}^6 + 56.00 \cdot a_{12}^5a_{11}^3a_{22}^3a_{21}^5 - 70.00 \cdot a_{12}^4a_{11}^4a_{22}^4a_{21}^4 +$$

$$56.00 \cdot a_{12}^3a_{11}^5a_{22}^5a_{21}^3 - 28.00 \cdot a_{12}^2a_{11}^6a_{22}^6a_{21}^2 + 8.00 \cdot a_{12}a_{11}^7a_{22}^7a_{21} - a_{11}^8a_{22}^8 > 0$$

pot #70:

symbol $a_{12} : (-0.0, inf)$

symbol $c_1 : (-0.0, inf)$

symbol $c_2 : (-inf, 0.0)$

symbol $a_{11} : (-inf, 0.0)$

symbol $a_{22} : (-inf, 0.0)$

symbol $b_1 : -0.0$

symbol $b_2 : -0.0$

symbol $a_{21} : (-0.0, inf)$

$-c_1 a_{12} + c_2 a_{11} > 0$

$a_{12} a_{21} - a_{11} a_{22} > 0$

$c_2 a_{21} - c_1 a_{22} > 0$

$-a_{12}^3 a_{21}^3 + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 \geq 0$

$a_{12}^2 a_{21}^2 - 2.00 \cdot a_{12} a_{11} a_{22} a_{21} + a_{11}^2 a_{22}^2 > 0$

$a_{12} c_2 a_{21}^2 - c_1 a_{12} a_{22} a_{21} - c_2 a_{11} a_{22} a_{21} + c_1 a_{11} a_{22}^2 \geq 0$

$-a_{12}^3 a_{21}^3 + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 > 0$

$a_{12}^3 a_{21}^3 - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 > 0$

$-a_{12}^8 a_{21}^8 + 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 +$

$56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - a_{11}^8 a_{22}^8 \geq 0$

$-a_{12}^8 a_{21}^8 + 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 +$

$56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - a_{11}^8 a_{22}^8 > 0$

pot #71:

symbol $a_{12} : (-0.0, inf)$

symbol $c_1 : (-0.0, inf)$

symbol $c_2 : (-inf, 0.0)$

symbol $a_{11} : (-inf, 0.0)$

symbol $a_{22} : (-inf, 0.0)$

symbol $b_1 : -0.0$

symbol $b_2 : -0.0$

symbol $a_{21} : (-0.0, inf)$

$-c_1 a_{12} + c_2 a_{11} > 0$

$a_{12} a_{21} - a_{11} a_{22} > 0$

$c_2 a_{21} - c_1 a_{22} > 0$

$-a_{12}^3 a_{21}^3 + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 \geq 0$

$a_{12}^2 a_{21}^2 - 2.00 \cdot a_{12} a_{11} a_{22} a_{21} + a_{11}^2 a_{22}^2 > 0$

$a_{12} c_2 a_{21}^2 - c_1 a_{12} a_{22} a_{21} - c_2 a_{11} a_{22} a_{21} + c_1 a_{11} a_{22}^2 \geq 0$

$-a_{12}^3 a_{21}^3 + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 > 0$

$a_{12}^3 a_{21}^3 - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 > 0$

$a_{12}^8 a_{21}^8 - 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 -$

$56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + a_{11}^8 a_{22}^8 \geq 0$

$a_{12}^8 a_{21}^8 - 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 -$

$56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + a_{11}^8 a_{22}^8 > 0$

pot #72:

symbol $a_{12} : (-0.0, inf)$

symbol $c_1 : (-0.0, inf)$

symbol $c_2 : (-inf, 0.0)$

symbol $a_{11} : (-inf, 0.0)$

symbol $a_{22} : (-inf, 0.0)$

symbol $b_1 : [-0.0, inf)$

symbol $b_2 : -0.0$

symbol $a_{21} : (-0.0, inf)$

$$56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - a_{11}^8 a_{22}^8 > 0$$

pot #75:

symbol a_{12} : $(-0.0, inf)$

symbol c_1 : $(-0.0, inf)$

symbol c_2 : $(-inf, 0.0)$

symbol a_{11} : $(-inf, 0.0)$

symbol a_{22} : $(-inf, 0.0)$

symbol b_1 : -0.0

symbol b_2 : -0.0

symbol a_{21} : $(-0.0, inf)$

$$-c_1 a_{12} + c_2 a_{11} > 0$$

$$a_{12} a_{21} - a_{11} a_{22} > 0$$

$$c_2 a_{21} - c_1 a_{22} > 0$$

$$-a_{12}^3 a_{21}^3 + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 \geq 0$$

$$a_{12}^2 a_{21}^2 - 2.00 \cdot a_{12} a_{11} a_{22} a_{21} + a_{11}^2 a_{22}^2 > 0$$

$$a_{12} c_2 a_{21}^2 - c_1 a_{12} a_{22} a_{21} - c_2 a_{11} a_{22} a_{21} + c_1 a_{11} a_{22}^2 \geq 0$$

$$-a_{12}^3 a_{21}^3 + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 > 0$$

$$a_{12}^8 a_{21}^8 - 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 -$$

$$56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + a_{11}^8 a_{22}^8 \geq 0$$

$$a_{12}^8 a_{21}^8 - 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 -$$

$$56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + a_{11}^8 a_{22}^8 > 0$$

pot #76:

symbol a_{12} : $(-0.0, inf)$

symbol c_1 : $(-0.0, inf)$

symbol c_2 : $(-inf, 0.0)$

symbol a_{11} : $(-inf, 0.0)$

symbol a_{22} : $(-inf, 0.0)$

symbol b_1 : $[-0.0, inf)$

symbol b_2 : -0.0

symbol a_{21} : $(-0.0, inf)$

$$-c_1 a_{12} + c_2 a_{11} > 0$$

$$a_{12} a_{21} - a_{11} a_{22} > 0$$

$$c_2 a_{21} - c_1 a_{22} > 0$$

$$-a_{12}^3 a_{21}^3 + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 \geq 0$$

$$a_{12}^2 a_{21}^2 - 2.00 \cdot a_{12} a_{11} a_{22} a_{21} + a_{11}^2 a_{22}^2 > 0$$

$$a_{12} c_2 a_{21}^2 - c_1 a_{12} a_{22} a_{21} - c_2 a_{11} a_{22} a_{21} + c_1 a_{11} a_{22}^2 \geq 0$$

$$a_{12}^3 a_{21}^3 - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 > 0$$

pot #77:

symbol a_{12} : $(-0.0, inf)$

symbol c_1 : $(-0.0, inf)$

symbol c_2 : $(-inf, 0.0)$

symbol a_{11} : $(-inf, 0.0)$

symbol a_{22} : $(-inf, 0.0)$

symbol b_1 : $[-0.0, inf)$

symbol b_2 : -0.0

symbol a_{21} : $(-0.0, inf)$

$$-c_1 a_{12} + c_2 a_{11} > 0$$

$$a_{12} a_{21} - a_{11} a_{22} > 0$$

$$c_2 a_{21} - c_1 a_{22} > 0$$

$$-a_{12}^3 a_{21}^3 + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 \geq 0$$

$$\begin{aligned}
& a_{12}^2 a_{21}^2 - 2.00 \cdot a_{12} a_{11} a_{22} a_{21} + a_{11}^2 a_{22}^2 > 0 \\
& a_{12} c_2 a_{21}^2 - c_1 a_{12} a_{22} a_{21} - c_2 a_{11} a_{22} a_{21} + c_1 a_{11} a_{22}^2 \geq 0 \\
& a_{12}^3 a_{21}^3 - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 > 0 \\
& a_{12}^3 a_{21}^3 - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 \geq 0 \\
& -a_{12}^3 a_{21}^3 + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 > 0
\end{aligned}$$

pot #78:

symbol a_{12} : $(-0.0, inf)$

symbol c_1 : $(-0.0, inf)$

symbol c_2 : $(-inf, 0.0)$

symbol a_{11} : $(-inf, 0.0)$

symbol a_{22} : $(-inf, 0.0)$

symbol b_1 : $[-0.0, inf)$

symbol b_2 : -0.0

symbol a_{21} : $(-0.0, inf)$

$$-c_1 a_{12} + c_2 a_{11} > 0$$

$$a_{12} a_{21} - a_{11} a_{22} > 0$$

$$c_2 a_{21} - c_1 a_{22} > 0$$

$$-a_{12}^3 a_{21}^3 + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 \geq 0$$

$$a_{12}^2 a_{21}^2 - 2.00 \cdot a_{12} a_{11} a_{22} a_{21} + a_{11}^2 a_{22}^2 > 0$$

$$a_{12} c_2 a_{21}^2 - c_1 a_{12} a_{22} a_{21} - c_2 a_{11} a_{22} a_{21} + c_1 a_{11} a_{22}^2 \geq 0$$

$$-a_{12}^3 a_{21}^3 + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 > 0$$

$$a_{12}^3 a_{21}^3 - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 > 0$$

pot #79:

symbol a_{12} : $(-0.0, inf)$

symbol c_1 : $(-0.0, inf)$

symbol c_2 : $(-inf, 0.0)$

symbol a_{11} : $(-inf, 0.0)$

symbol a_{22} : $(-inf, 0.0)$

symbol b_1 : $[-0.0, inf)$

symbol b_2 : -0.0

symbol a_{21} : $(-0.0, inf)$

$$-c_1 a_{12} + c_2 a_{11} > 0$$

$$a_{12} a_{21} - a_{11} a_{22} > 0$$

$$c_2 a_{21} - c_1 a_{22} > 0$$

$$-a_{12}^3 a_{21}^3 + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 \geq 0$$

$$a_{12}^2 a_{21}^2 - 2.00 \cdot a_{12} a_{11} a_{22} a_{21} + a_{11}^2 a_{22}^2 > 0$$

$$a_{12} c_2 a_{21}^2 - c_1 a_{12} a_{22} a_{21} - c_2 a_{11} a_{22} a_{21} + c_1 a_{11} a_{22}^2 \geq 0$$

$$-a_{12}^3 a_{21}^3 + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 > 0$$

$$a_{12}^3 a_{21}^3 - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 \geq 0$$

x_3	$b_1 a_{12}^2 a_{21}^3 - 2.00 \cdot b_1 a_{12} a_{11} a_{22} a_{21}^2 + b_1 a_{11}^2 a_{22}^2 a_{21} - a_{12}^2 b_2 a_{11} a_{21}^2 + 2.00 \cdot a_{12} b_2 a_{11}^2 a_{22} a_{21} - b_2$
x_0	$-a_{12}^8 b_1 a_{21}^8 + 8.00 \cdot a_{12}^7 b_1 a_{11} a_{22} a_{21}^7 - 28.00 \cdot a_{12}^6 b_1 a_{11}^2 a_{22}^2 a_{21}^6 + 56.00 \cdot a_{12}^5 b_1 a_{11}^3 a_{22}^3 a_{21}^5 - 70.00 \cdot a_{12}^4 b_1 a_{11}^4 a_{22}^4 a_{21}^4 + 56.00 \cdot a_{12}^3 b_1 a_{11}^5 a_{22}^5 a_{21}^3 - 28.00 \cdot a_{12}^2 b_1 a_{11}^6 a_{22}^6 a_{21}^2 + 8.00 \cdot a_{12}^7 a_{11}^2 a_{22}^2 a_{21}^7 - 28.00 \cdot a_{12}^6 a_{11}^3 a_{22}^3 a_{21}^6 + 56.00 \cdot a_{12}^5 a_{11}^4 a_{22}^4 a_{21}^5 - 70.00 \cdot a_{12}^4 a_{11}^5 a_{22}^5 a_{21}^4 + 56.00 \cdot a_{12}^3 a_{11}^6 a_{22}^6 a_{21}^3 - 28.00 \cdot a_{12}^2 a_{11}^7 a_{22}^7 a_{21}^2 + 8.00 \cdot a_{12}^7 c_1 a_{11} a_{22} b_1 a_{21}^7 + 28.00 \cdot a_{12}^6 c_1 a_{11}^2 a_{22}^2 b_1 a_{21}^6 - 56.00 \cdot a_{12}^5 c_1 a_{11}^3 a_{22}^3 b_1 a_{21}^5 + 70.00 \cdot a_{12}^4 c_1 a_{11}^4 a_{22}^4 b_1 a_{21}^4 - 56.00 \cdot a_{12}^3 c_1 a_{11}^5 a_{22}^5 b_1 a_{21}^3 + 28.00 \cdot a_{12}^2 c_1 a_{11}^6 a_{22}^6 b_1 a_{21}^2 - 8.00 \cdot a_{12}^7 a_{11}^2 a_{22}^2 a_{21}^7 + 28.00 \cdot a_{12}^6 a_{11}^3 a_{22}^3 a_{21}^6 - 56.00 \cdot a_{12}^5 a_{11}^4 a_{22}^4 a_{21}^5 + 70.00 \cdot a_{12}^4 a_{11}^5 a_{22}^5 a_{21}^4 - 56.00 \cdot a_{12}^3 a_{11}^6 a_{22}^6 a_{21}^3 - 28.00 \cdot a_{12}^2 a_{11}^7 a_{22}^7 a_{21}^2$
Ψ	$c_1 a_{12}^8 b_1 a_{21}^8 - 8.00 \cdot a_{12}^7 c_1 a_{11} a_{22} b_1 a_{21}^7 + 28.00 \cdot a_{12}^6 c_1 a_{11}^2 a_{22}^2 b_1 a_{21}^6 - 56.00 \cdot a_{12}^5 c_1 a_{11}^3 a_{22}^3 b_1 a_{21}^5 + 70.00 \cdot a_{12}^4 c_1 a_{11}^4 a_{22}^4 b_1 a_{21}^4 - 56.00 \cdot a_{12}^3 c_1 a_{11}^5 a_{22}^5 b_1 a_{21}^3 + 28.00 \cdot a_{12}^2 c_1 a_{11}^6 a_{22}^6 b_1 a_{21}^2 - 8.00 \cdot a_{12}^7 a_{11}^2 a_{22}^2 a_{21}^7 + 28.00 \cdot a_{12}^6 a_{11}^3 a_{22}^3 a_{21}^6 - 56.00 \cdot a_{12}^5 a_{11}^4 a_{22}^4 a_{21}^5 + 70.00 \cdot a_{12}^4 a_{11}^5 a_{22}^5 a_{21}^4 - 56.00 \cdot a_{12}^3 a_{11}^6 a_{22}^6 a_{21}^3 - 28.00 \cdot a_{12}^2 a_{11}^7 a_{22}^7 a_{21}^2$

Table #0.1.0.1

Moving out basis: x_0 from line: 1

Moving to basis: x_3

pots:

pot #0:

symbol a_{12} : $(-0.0, inf)$

symbol c_1 : $(-0.0, inf)$

symbol c_2 : $(-inf, 0.0)$

symbol a_{11} : $(-inf, 0.0)$

symbol a_{22} : $(-inf, 0.0)$

symbol b_1 : $[-0.0, inf)$

symbol b_2 : $[-0.0, inf)$

symbol a_{21} : $(-0.0, inf)$

$$-c_1 a_{12} + c_2 a_{11} > 0$$

$$a_{12} a_{21} - a_{11} a_{22} > 0$$

$$c_2 a_{21} - c_1 a_{22} > 0$$

$$a_{12}^3 a_{21}^3 - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 \geq 0$$

$$a_{12}^2 a_{21}^2 - 2.00 \cdot a_{12} a_{11} a_{22} a_{21} + a_{11}^2 a_{22}^2 > 0$$

$$a_{12} c_2 a_{21}^2 - c_1 a_{12} a_{22} a_{21} - c_2 a_{11} a_{22} a_{21} + c_1 a_{11} a_{22}^2 \geq 0$$

$$a_{12}^3 a_{21}^3 - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 > 0$$

$$a_{12}^8 a_{21}^8 - 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 -$$

$$56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + a_{11}^8 a_{22}^8 \geq 0$$

$$a_{12}^8 a_{21}^8 - 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 -$$

$$56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + a_{11}^8 a_{22}^8 > 0$$

pot #1:

symbol a_{12} : $(-0.0, inf)$

symbol c_1 : $(-0.0, inf)$

symbol c_2 : $(-inf, 0.0)$

symbol a_{11} : $(-inf, 0.0)$

symbol a_{22} : $(-inf, 0.0)$

symbol b_1 : $[-0.0, inf)$

symbol b_2 : $[-0.0, inf)$

symbol a_{21} : $(-0.0, inf)$

$$-c_1 a_{12} + c_2 a_{11} > 0$$

$$a_{12} a_{21} - a_{11} a_{22} > 0$$

$$c_2 a_{21} - c_1 a_{22} > 0$$

$$a_{12}^3 a_{21}^3 - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 \geq 0$$

$$a_{12}^2 a_{21}^2 - 2.00 \cdot a_{12} a_{11} a_{22} a_{21} + a_{11}^2 a_{22}^2 > 0$$

$$a_{12} c_2 a_{21}^2 - c_1 a_{12} a_{22} a_{21} - c_2 a_{11} a_{22} a_{21} + c_1 a_{11} a_{22}^2 \geq 0$$

$$a_{12}^3 a_{21}^3 - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 > 0$$

$$-a_{12}^8 a_{21}^8 + 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 +$$

$$56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - a_{11}^8 a_{22}^8 \geq 0$$

$$-a_{12}^8 a_{21}^8 + 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 +$$

$$56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - a_{11}^8 a_{22}^8 > 0$$

pot #2:

symbol a_{12} : $(-0.0, inf)$

symbol c_1 : $(-0.0, inf)$

symbol c_2 : $(-inf, 0.0)$

symbol a_{11} : $(-inf, 0.0)$

symbol $a_{22} : (-inf, 0.0)$

symbol $b_1 : -0.0$

symbol $b_2 : [-0.0, inf)$

symbol $a_{21} : (-0.0, inf)$

$$-c_1 a_{12} + c_2 a_{11} > 0$$

$$a_{12} a_{21} - a_{11} a_{22} > 0$$

$$c_2 a_{21} - c_1 a_{22} > 0$$

$$a_{12}^3 a_{21}^3 - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 \geq 0$$

$$a_{12}^2 a_{21}^2 - 2.00 \cdot a_{12} a_{11} a_{22} a_{21} + a_{11}^2 a_{22}^2 > 0$$

$$a_{12} c_2 a_{21}^2 - c_1 a_{12} a_{22} a_{21} - c_2 a_{11} a_{22} a_{21} + c_1 a_{11} a_{22}^2 \geq 0$$

$$a_{12}^3 a_{21}^3 - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 > 0$$

$$a_{12}^8 a_{21}^8 - 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 -$$

$$56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + a_{11}^8 a_{22}^8 \geq 0$$

$$-a_{12}^8 a_{21}^8 + 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 +$$

$$56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - a_{11}^8 a_{22}^8 > 0$$

pot #3:

symbol $a_{12} : (-0.0, inf)$

symbol $c_1 : (-0.0, inf)$

symbol $c_2 : (-inf, 0.0)$

symbol $a_{11} : (-inf, 0.0)$

symbol $a_{22} : (-inf, 0.0)$

symbol $b_1 : -0.0$

symbol $b_2 : [-0.0, inf)$

symbol $a_{21} : (-0.0, inf)$

$$-c_1 a_{12} + c_2 a_{11} > 0$$

$$a_{12} a_{21} - a_{11} a_{22} > 0$$

$$c_2 a_{21} - c_1 a_{22} > 0$$

$$a_{12}^3 a_{21}^3 - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 \geq 0$$

$$a_{12}^2 a_{21}^2 - 2.00 \cdot a_{12} a_{11} a_{22} a_{21} + a_{11}^2 a_{22}^2 > 0$$

$$a_{12} c_2 a_{21}^2 - c_1 a_{12} a_{22} a_{21} - c_2 a_{11} a_{22} a_{21} + c_1 a_{11} a_{22}^2 \geq 0$$

$$a_{12}^3 a_{21}^3 - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 > 0$$

$$-a_{12}^8 a_{21}^8 + 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 +$$

$$56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - a_{11}^8 a_{22}^8 \geq 0$$

$$a_{12}^8 a_{21}^8 - 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 -$$

$$56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + a_{11}^8 a_{22}^8 > 0$$

pot #4:

symbol $a_{12} : (-0.0, inf)$

symbol $c_1 : (-0.0, inf)$

symbol $c_2 : (-inf, 0.0)$

symbol $a_{11} : (-inf, 0.0)$

symbol $a_{22} : (-inf, 0.0)$

symbol $b_1 : [-0.0, inf)$

symbol $b_2 : [-0.0, inf)$

symbol $a_{21} : (-0.0, inf)$

$$-c_1 a_{12} + c_2 a_{11} > 0$$

$$a_{12} a_{21} - a_{11} a_{22} > 0$$

$$c_2 a_{21} - c_1 a_{22} > 0$$

$$a_{12}^3 a_{21}^3 - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 \geq 0$$

$$a_{12}^2 a_{21}^2 - 2.00 \cdot a_{12} a_{11} a_{22} a_{21} + a_{11}^2 a_{22}^2 > 0$$

$$a_{12} c_2 a_{21}^2 - c_1 a_{12} a_{22} a_{21} - c_2 a_{11} a_{22} a_{21} + c_1 a_{11} a_{22}^2 \geq 0$$

$$\begin{aligned}
& a_{12}^3 a_{21}^3 - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 > 0 \\
& -a_{12}^3 a_{21}^3 + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 > 0 \\
& a_{12}^8 a_{21}^8 - 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 - \\
& 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + a_{11}^8 a_{22}^8 \geq 0 \\
& a_{12}^8 a_{21}^8 - 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 - \\
& 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + a_{11}^8 a_{22}^8 > 0
\end{aligned}$$

pot #5:

symbol a_{12} : $(-0.0, inf)$

symbol c_1 : $(-0.0, inf)$

symbol c_2 : $(-inf, 0.0)$

symbol a_{11} : $(-inf, 0.0)$

symbol a_{22} : $(-inf, 0.0)$

symbol b_1 : $[-0.0, inf)$

symbol b_2 : $[-0.0, inf)$

symbol a_{21} : $(-0.0, inf)$

$$-c_1 a_{12} + c_2 a_{11} > 0$$

$$a_{12} a_{21} - a_{11} a_{22} > 0$$

$$c_2 a_{21} - c_1 a_{22} > 0$$

$$a_{12}^3 a_{21}^3 - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 \geq 0$$

$$a_{12}^2 a_{21}^2 - 2.00 \cdot a_{12} a_{11} a_{22} a_{21} + a_{11}^2 a_{22}^2 > 0$$

$$a_{12} c_2 a_{21}^2 - c_1 a_{12} a_{22} a_{21} - c_2 a_{11} a_{22} a_{21} + c_1 a_{11} a_{22}^2 \geq 0$$

$$a_{12}^3 a_{21}^3 - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 > 0$$

$$-a_{12}^3 a_{21}^3 + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 > 0$$

$$-a_{12}^8 a_{21}^8 + 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 +$$

$$56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - a_{11}^8 a_{22}^8 \geq 0$$

$$-a_{12}^8 a_{21}^8 + 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 +$$

$$56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - a_{11}^8 a_{22}^8 > 0$$

pot #6:

symbol a_{12} : $(-0.0, inf)$

symbol c_1 : $(-0.0, inf)$

symbol c_2 : $(-inf, 0.0)$

symbol a_{11} : $(-inf, 0.0)$

symbol a_{22} : $(-inf, 0.0)$

symbol b_1 : -0.0

symbol b_2 : $[-0.0, inf)$

symbol a_{21} : $(-0.0, inf)$

$$-c_1 a_{12} + c_2 a_{11} > 0$$

$$a_{12} a_{21} - a_{11} a_{22} > 0$$

$$c_2 a_{21} - c_1 a_{22} > 0$$

$$a_{12}^3 a_{21}^3 - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 \geq 0$$

$$a_{12}^2 a_{21}^2 - 2.00 \cdot a_{12} a_{11} a_{22} a_{21} + a_{11}^2 a_{22}^2 > 0$$

$$a_{12} c_2 a_{21}^2 - c_1 a_{12} a_{22} a_{21} - c_2 a_{11} a_{22} a_{21} + c_1 a_{11} a_{22}^2 \geq 0$$

$$a_{12}^3 a_{21}^3 - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 > 0$$

$$-a_{12}^3 a_{21}^3 + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 > 0$$

$$a_{12}^8 a_{21}^8 - 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 -$$

$$56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + a_{11}^8 a_{22}^8 \geq 0$$

$$-a_{12}^8 a_{21}^8 + 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 +$$

$$56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - a_{11}^8 a_{22}^8 > 0$$

pot #7:

symbol a_{12} : $(-0.0, inf)$

symbol $c_1 : (-0.0, inf)$
 symbol $c_2 : (-inf, 0.0)$
 symbol $a_{11} : (-inf, 0.0)$
 symbol $a_{22} : (-inf, 0.0)$
 symbol $b_1 : -0.0$
 symbol $b_2 : [-0.0, inf)$
 symbol $a_{21} : (-0.0, inf)$
 $-c_1 a_{12} + c_2 a_{11} > 0$
 $a_{12} a_{21} - a_{11} a_{22} > 0$
 $c_2 a_{21} - c_1 a_{22} > 0$
 $a_{12}^3 a_{21}^3 - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 \geq 0$
 $a_{12}^2 a_{21}^2 - 2.00 \cdot a_{12} a_{11} a_{22} a_{21} + a_{11}^2 a_{22}^2 > 0$
 $a_{12} c_2 a_{21}^2 - c_1 a_{12} a_{22} a_{21} - c_2 a_{11} a_{22} a_{21} + c_1 a_{11} a_{22}^2 \geq 0$
 $a_{12}^3 a_{21}^3 - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 > 0$
 $-a_{12}^3 a_{21}^3 + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 > 0$
 $-a_{12}^8 a_{21}^8 + 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 +$
 $56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - a_{11}^8 a_{22}^8 \geq 0$
 $a_{12}^8 a_{21}^8 - 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 -$
 $56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + a_{11}^8 a_{22}^8 > 0$
 pot #8:
 symbol $a_{12} : (-0.0, inf)$
 symbol $c_1 : (-0.0, inf)$
 symbol $c_2 : (-inf, 0.0)$
 symbol $a_{11} : (-inf, 0.0)$
 symbol $a_{22} : (-inf, 0.0)$
 symbol $b_1 : [-0.0, inf)$
 symbol $b_2 : [-0.0, inf)$
 symbol $a_{21} : (-0.0, inf)$
 $-c_1 a_{12} + c_2 a_{11} > 0$
 $a_{12} a_{21} - a_{11} a_{22} > 0$
 $c_2 a_{21} - c_1 a_{22} > 0$
 $a_{12}^3 a_{21}^3 - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 \geq 0$
 $a_{12}^2 a_{21}^2 - 2.00 \cdot a_{12} a_{11} a_{22} a_{21} + a_{11}^2 a_{22}^2 > 0$
 $a_{12} c_2 a_{21}^2 - c_1 a_{12} a_{22} a_{21} - c_2 a_{11} a_{22} a_{21} + c_1 a_{11} a_{22}^2 \geq 0$
 $-a_{12}^3 a_{21}^3 + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 > 0$
 $a_{12}^3 a_{21}^3 - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 > 0$
 $a_{12}^8 a_{21}^8 - 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 -$
 $56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + a_{11}^8 a_{22}^8 \geq 0$
 $a_{12}^8 a_{21}^8 - 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 -$
 $56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + a_{11}^8 a_{22}^8 > 0$
 pot #9:
 symbol $a_{12} : (-0.0, inf)$
 symbol $c_1 : (-0.0, inf)$
 symbol $c_2 : (-inf, 0.0)$
 symbol $a_{11} : (-inf, 0.0)$
 symbol $a_{22} : (-inf, 0.0)$
 symbol $b_1 : [-0.0, inf)$
 symbol $b_2 : [-0.0, inf)$
 symbol $a_{21} : (-0.0, inf)$
 $-c_1 a_{12} + c_2 a_{11} > 0$

$$a_{12}a_{21} - a_{11}a_{22} > 0$$

$$c_2a_{21} - c_1a_{22} > 0$$

$$a_{12}^3a_{21}^3 - 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 + 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} - a_{11}^3a_{22}^3 \geq 0$$

$$a_{12}^2a_{21}^2 - 2.00 \cdot a_{12}a_{11}a_{22}a_{21} + a_{11}^2a_{22}^2 > 0$$

$$a_{12}c_2a_{21}^2 - c_1a_{12}a_{22}a_{21} - c_2a_{11}a_{22}a_{21} + c_1a_{11}a_{22}^2 \geq 0$$

$$-a_{12}^3a_{21}^3 + 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 - 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} + a_{11}^3a_{22}^3 > 0$$

$$a_{12}^3a_{21}^3 - 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 + 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} - a_{11}^3a_{22}^3 > 0$$

$$-a_{12}^8a_{21}^8 + 8.00 \cdot a_{12}^7a_{11}a_{22}a_{21}^7 - 28.00 \cdot a_{12}^6a_{11}^2a_{22}^2a_{21}^6 + 56.00 \cdot a_{12}^5a_{11}^3a_{22}^3a_{21}^5 - 70.00 \cdot a_{12}^4a_{11}^4a_{22}^4a_{21}^4 + 56.00 \cdot a_{12}^3a_{11}^5a_{22}^5a_{21}^3 - 28.00 \cdot a_{12}^2a_{11}^6a_{22}^6a_{21}^2 + 8.00 \cdot a_{12}a_{11}^7a_{22}^7a_{21} - a_{11}^8a_{22}^8 \geq 0$$

$$-a_{12}^8a_{21}^8 + 8.00 \cdot a_{12}^7a_{11}a_{22}a_{21}^7 - 28.00 \cdot a_{12}^6a_{11}^2a_{22}^2a_{21}^6 + 56.00 \cdot a_{12}^5a_{11}^3a_{22}^3a_{21}^5 - 70.00 \cdot a_{12}^4a_{11}^4a_{22}^4a_{21}^4 + 56.00 \cdot a_{12}^3a_{11}^5a_{22}^5a_{21}^3 - 28.00 \cdot a_{12}^2a_{11}^6a_{22}^6a_{21}^2 + 8.00 \cdot a_{12}a_{11}^7a_{22}^7a_{21} - a_{11}^8a_{22}^8 > 0$$

pot #10:

symbol a_{12} : $(-0.0, inf)$

symbol c_1 : $(-0.0, inf)$

symbol c_2 : $(-inf, 0.0)$

symbol a_{11} : $(-inf, 0.0)$

symbol a_{22} : $(-inf, 0.0)$

symbol b_1 : -0.0

symbol b_2 : $[-0.0, inf)$

symbol a_{21} : $(-0.0, inf)$

$$-c_1a_{12} + c_2a_{11} > 0$$

$$a_{12}a_{21} - a_{11}a_{22} > 0$$

$$c_2a_{21} - c_1a_{22} > 0$$

$$a_{12}^3a_{21}^3 - 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 + 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} - a_{11}^3a_{22}^3 \geq 0$$

$$a_{12}^2a_{21}^2 - 2.00 \cdot a_{12}a_{11}a_{22}a_{21} + a_{11}^2a_{22}^2 > 0$$

$$a_{12}c_2a_{21}^2 - c_1a_{12}a_{22}a_{21} - c_2a_{11}a_{22}a_{21} + c_1a_{11}a_{22}^2 \geq 0$$

$$-a_{12}^3a_{21}^3 + 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 - 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} + a_{11}^3a_{22}^3 > 0$$

$$a_{12}^3a_{21}^3 - 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 + 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} - a_{11}^3a_{22}^3 > 0$$

$$a_{12}^8a_{21}^8 - 8.00 \cdot a_{12}^7a_{11}a_{22}a_{21}^7 + 28.00 \cdot a_{12}^6a_{11}^2a_{22}^2a_{21}^6 - 56.00 \cdot a_{12}^5a_{11}^3a_{22}^3a_{21}^5 + 70.00 \cdot a_{12}^4a_{11}^4a_{22}^4a_{21}^4 - 56.00 \cdot a_{12}^3a_{11}^5a_{22}^5a_{21}^3 + 28.00 \cdot a_{12}^2a_{11}^6a_{22}^6a_{21}^2 - 8.00 \cdot a_{12}a_{11}^7a_{22}^7a_{21} + a_{11}^8a_{22}^8 \geq 0$$

$$-a_{12}^8a_{21}^8 + 8.00 \cdot a_{12}^7a_{11}a_{22}a_{21}^7 - 28.00 \cdot a_{12}^6a_{11}^2a_{22}^2a_{21}^6 + 56.00 \cdot a_{12}^5a_{11}^3a_{22}^3a_{21}^5 - 70.00 \cdot a_{12}^4a_{11}^4a_{22}^4a_{21}^4 + 56.00 \cdot a_{12}^3a_{11}^5a_{22}^5a_{21}^3 - 28.00 \cdot a_{12}^2a_{11}^6a_{22}^6a_{21}^2 + 8.00 \cdot a_{12}a_{11}^7a_{22}^7a_{21} - a_{11}^8a_{22}^8 > 0$$

pot #11:

symbol a_{12} : $(-0.0, inf)$

symbol c_1 : $(-0.0, inf)$

symbol c_2 : $(-inf, 0.0)$

symbol a_{11} : $(-inf, 0.0)$

symbol a_{22} : $(-inf, 0.0)$

symbol b_1 : -0.0

symbol b_2 : $[-0.0, inf)$

symbol a_{21} : $(-0.0, inf)$

$$-c_1a_{12} + c_2a_{11} > 0$$

$$a_{12}a_{21} - a_{11}a_{22} > 0$$

$$c_2a_{21} - c_1a_{22} > 0$$

$$a_{12}^3a_{21}^3 - 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 + 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} - a_{11}^3a_{22}^3 \geq 0$$

$$a_{12}^2a_{21}^2 - 2.00 \cdot a_{12}a_{11}a_{22}a_{21} + a_{11}^2a_{22}^2 > 0$$

$$a_{12}c_2a_{21}^2 - c_1a_{12}a_{22}a_{21} - c_2a_{11}a_{22}a_{21} + c_1a_{11}a_{22}^2 \geq 0$$

$$-a_{12}^3a_{21}^3 + 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 - 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} + a_{11}^3a_{22}^3 > 0$$

$$a_{12}^3a_{21}^3 - 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 + 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} - a_{11}^3a_{22}^3 > 0$$

$$-a_{12}^8a_{21}^8 + 8.00 \cdot a_{12}^7a_{11}a_{22}a_{21}^7 - 28.00 \cdot a_{12}^6a_{11}^2a_{22}^2a_{21}^6 + 56.00 \cdot a_{12}^5a_{11}^3a_{22}^3a_{21}^5 - 70.00 \cdot a_{12}^4a_{11}^4a_{22}^4a_{21}^4 +$$

$$\begin{aligned}
& 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - a_{11}^8 a_{22}^8 \geq 0 \\
& a_{12}^8 a_{21}^8 - 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 - \\
& 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + a_{11}^8 a_{22}^8 > 0
\end{aligned}$$

pot #12:

symbol a_{12} : $(-0.0, inf)$

symbol c_1 : $(-0.0, inf)$

symbol c_2 : $(-inf, 0.0)$

symbol a_{11} : $(-inf, 0.0)$

symbol a_{22} : $(-inf, 0.0)$

symbol b_1 : $[-0.0, inf)$

symbol b_2 : $[-0.0, inf)$

symbol a_{21} : $(-0.0, inf)$

$$-c_1 a_{12} + c_2 a_{11} > 0$$

$$a_{12} a_{21} - a_{11} a_{22} > 0$$

$$c_2 a_{21} - c_1 a_{22} > 0$$

$$a_{12}^3 a_{21}^3 - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 \geq 0$$

$$a_{12}^2 a_{21}^2 - 2.00 \cdot a_{12} a_{11} a_{22} a_{21} + a_{11}^2 a_{22}^2 > 0$$

$$a_{12} c_2 a_{21}^2 - c_1 a_{12} a_{22} a_{21} - c_2 a_{11} a_{22} a_{21} + c_1 a_{11} a_{22}^2 \geq 0$$

$$-a_{12}^3 a_{21}^3 + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 > 0$$

$$a_{12}^8 a_{21}^8 - 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 -$$

$$56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + a_{11}^8 a_{22}^8 \geq 0$$

$$a_{12}^8 a_{21}^8 - 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 -$$

$$56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + a_{11}^8 a_{22}^8 > 0$$

pot #13:

symbol a_{12} : $(-0.0, inf)$

symbol c_1 : $(-0.0, inf)$

symbol c_2 : $(-inf, 0.0)$

symbol a_{11} : $(-inf, 0.0)$

symbol a_{22} : $(-inf, 0.0)$

symbol b_1 : $[-0.0, inf)$

symbol b_2 : $[-0.0, inf)$

symbol a_{21} : $(-0.0, inf)$

$$-c_1 a_{12} + c_2 a_{11} > 0$$

$$a_{12} a_{21} - a_{11} a_{22} > 0$$

$$c_2 a_{21} - c_1 a_{22} > 0$$

$$a_{12}^3 a_{21}^3 - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 \geq 0$$

$$a_{12}^2 a_{21}^2 - 2.00 \cdot a_{12} a_{11} a_{22} a_{21} + a_{11}^2 a_{22}^2 > 0$$

$$a_{12} c_2 a_{21}^2 - c_1 a_{12} a_{22} a_{21} - c_2 a_{11} a_{22} a_{21} + c_1 a_{11} a_{22}^2 \geq 0$$

$$-a_{12}^3 a_{21}^3 + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 > 0$$

$$-a_{12}^8 a_{21}^8 + 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 +$$

$$56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - a_{11}^8 a_{22}^8 \geq 0$$

$$-a_{12}^8 a_{21}^8 + 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 +$$

$$56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - a_{11}^8 a_{22}^8 > 0$$

pot #14:

symbol a_{12} : $(-0.0, inf)$

symbol c_1 : $(-0.0, inf)$

symbol c_2 : $(-inf, 0.0)$

symbol a_{11} : $(-inf, 0.0)$

symbol a_{22} : $(-inf, 0.0)$

symbol b_1 : -0.0

symbol $b_2 : [-0.0, inf)$

symbol $a_{21} : (-0.0, inf)$

$$-c_1 a_{12} + c_2 a_{11} > 0$$

$$a_{12} a_{21} - a_{11} a_{22} > 0$$

$$c_2 a_{21} - c_1 a_{22} > 0$$

$$a_{12}^3 a_{21}^3 - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 \geq 0$$

$$a_{12}^2 a_{21}^2 - 2.00 \cdot a_{12} a_{11} a_{22} a_{21} + a_{11}^2 a_{22}^2 > 0$$

$$a_{12} c_2 a_{21}^2 - c_1 a_{12} a_{22} a_{21} - c_2 a_{11} a_{22} a_{21} + c_1 a_{11} a_{22}^2 \geq 0$$

$$-a_{12}^3 a_{21}^3 + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 > 0$$

$$a_{12}^8 a_{21}^8 - 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 - 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + a_{11}^8 a_{22}^8 \geq 0$$

$$-a_{12}^8 a_{21}^8 + 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 + 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - a_{11}^8 a_{22}^8 > 0$$

pot #15:

symbol $a_{12} : (-0.0, inf)$

symbol $c_1 : (-0.0, inf)$

symbol $c_2 : (-inf, 0.0)$

symbol $a_{11} : (-inf, 0.0)$

symbol $a_{22} : (-inf, 0.0)$

symbol $b_1 : -0.0$

symbol $b_2 : [-0.0, inf)$

symbol $a_{21} : (-0.0, inf)$

$$-c_1 a_{12} + c_2 a_{11} > 0$$

$$a_{12} a_{21} - a_{11} a_{22} > 0$$

$$c_2 a_{21} - c_1 a_{22} > 0$$

$$a_{12}^3 a_{21}^3 - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 \geq 0$$

$$a_{12}^2 a_{21}^2 - 2.00 \cdot a_{12} a_{11} a_{22} a_{21} + a_{11}^2 a_{22}^2 > 0$$

$$a_{12} c_2 a_{21}^2 - c_1 a_{12} a_{22} a_{21} - c_2 a_{11} a_{22} a_{21} + c_1 a_{11} a_{22}^2 \geq 0$$

$$-a_{12}^3 a_{21}^3 + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 > 0$$

$$-a_{12}^8 a_{21}^8 + 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 + 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - a_{11}^8 a_{22}^8 \geq 0$$

$$a_{12}^8 a_{21}^8 - 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 - 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + a_{11}^8 a_{22}^8 > 0$$

pot #16:

symbol $a_{12} : (-0.0, inf)$

symbol $c_1 : (-0.0, inf)$

symbol $c_2 : (-inf, 0.0)$

symbol $a_{11} : (-inf, 0.0)$

symbol $a_{22} : (-inf, 0.0)$

symbol $b_1 : [-0.0, inf)$

symbol $b_2 : [-0.0, inf)$

symbol $a_{21} : (-0.0, inf)$

$$-c_1 a_{12} + c_2 a_{11} > 0$$

$$a_{12} a_{21} - a_{11} a_{22} > 0$$

$$c_2 a_{21} - c_1 a_{22} > 0$$

$$-a_{12}^3 a_{21}^3 + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 \geq 0$$

$$-a_{12}^2 a_{21}^2 + 2.00 \cdot a_{12} a_{11} a_{22} a_{21} - a_{11}^2 a_{22}^2 > 0$$

$$a_{12} c_2 a_{21}^2 - c_1 a_{12} a_{22} a_{21} - c_2 a_{11} a_{22} a_{21} + c_1 a_{11} a_{22}^2 \geq 0$$

$$a_{12}^3 a_{21}^3 - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 > 0$$

$$a_{12}^8 a_{21}^8 - 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 -$$

$$\begin{aligned}
& 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + a_{11}^8 a_{22}^8 \geq 0 \\
& a_{12}^8 a_{21}^8 - 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 - \\
& 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + a_{11}^8 a_{22}^8 > 0
\end{aligned}$$

pot #17:

symbol a_{12} : $(-0.0, inf)$

symbol c_1 : $(-0.0, inf)$

symbol c_2 : $(-inf, 0.0)$

symbol a_{11} : $(-inf, 0.0)$

symbol a_{22} : $(-inf, 0.0)$

symbol b_1 : $[-0.0, inf)$

symbol b_2 : $[-0.0, inf)$

symbol a_{21} : $(-0.0, inf)$

$$-c_1 a_{12} + c_2 a_{11} > 0$$

$$a_{12} a_{21} - a_{11} a_{22} > 0$$

$$c_2 a_{21} - c_1 a_{22} > 0$$

$$-a_{12}^3 a_{21}^3 + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 \geq 0$$

$$-a_{12}^2 a_{21}^2 + 2.00 \cdot a_{12} a_{11} a_{22} a_{21} - a_{11}^2 a_{22}^2 > 0$$

$$a_{12} c_2 a_{21}^2 - c_1 a_{12} a_{22} a_{21} - c_2 a_{11} a_{22} a_{21} + c_1 a_{11} a_{22}^2 \geq 0$$

$$a_{12}^3 a_{21}^3 - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 > 0$$

$$-a_{12}^8 a_{21}^8 + 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 +$$

$$56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - a_{11}^8 a_{22}^8 \geq 0$$

$$-a_{12}^8 a_{21}^8 + 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 +$$

$$56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - a_{11}^8 a_{22}^8 > 0$$

pot #18:

symbol a_{12} : $(-0.0, inf)$

symbol c_1 : $(-0.0, inf)$

symbol c_2 : $(-inf, 0.0)$

symbol a_{11} : $(-inf, 0.0)$

symbol a_{22} : $(-inf, 0.0)$

symbol b_1 : -0.0

symbol b_2 : $[-0.0, inf)$

symbol a_{21} : $(-0.0, inf)$

$$-c_1 a_{12} + c_2 a_{11} > 0$$

$$a_{12} a_{21} - a_{11} a_{22} > 0$$

$$c_2 a_{21} - c_1 a_{22} > 0$$

$$-a_{12}^3 a_{21}^3 + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 \geq 0$$

$$-a_{12}^2 a_{21}^2 + 2.00 \cdot a_{12} a_{11} a_{22} a_{21} - a_{11}^2 a_{22}^2 > 0$$

$$a_{12} c_2 a_{21}^2 - c_1 a_{12} a_{22} a_{21} - c_2 a_{11} a_{22} a_{21} + c_1 a_{11} a_{22}^2 \geq 0$$

$$a_{12}^3 a_{21}^3 - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 > 0$$

$$a_{12}^8 a_{21}^8 - 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 -$$

$$56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + a_{11}^8 a_{22}^8 \geq 0$$

$$-a_{12}^8 a_{21}^8 + 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 +$$

$$56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - a_{11}^8 a_{22}^8 > 0$$

pot #19:

symbol a_{12} : $(-0.0, inf)$

symbol c_1 : $(-0.0, inf)$

symbol c_2 : $(-inf, 0.0)$

symbol a_{11} : $(-inf, 0.0)$

symbol a_{22} : $(-inf, 0.0)$

symbol b_1 : -0.0

symbol $b_2 : [-0.0, inf)$

symbol $a_{21} : (-0.0, inf)$

$$-c_1 a_{12} + c_2 a_{11} > 0$$

$$a_{12} a_{21} - a_{11} a_{22} > 0$$

$$c_2 a_{21} - c_1 a_{22} > 0$$

$$-a_{12}^3 a_{21}^3 + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 \geq 0$$

$$-a_{12}^2 a_{21}^2 + 2.00 \cdot a_{12} a_{11} a_{22} a_{21} - a_{11}^2 a_{22}^2 > 0$$

$$a_{12} c_2 a_{21}^2 - c_1 a_{12} a_{22} a_{21} - c_2 a_{11} a_{22} a_{21} + c_1 a_{11} a_{22}^2 \geq 0$$

$$a_{12}^3 a_{21}^3 - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 > 0$$

$$-a_{12}^8 a_{21}^8 + 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 +$$

$$56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - a_{11}^8 a_{22}^8 \geq 0$$

$$a_{12}^8 a_{21}^8 - 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 -$$

$$56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + a_{11}^8 a_{22}^8 > 0$$

pot #20:

symbol $a_{12} : (-0.0, inf)$

symbol $c_1 : (-0.0, inf)$

symbol $c_2 : (-inf, 0.0)$

symbol $a_{11} : (-inf, 0.0)$

symbol $a_{22} : (-inf, 0.0)$

symbol $b_1 : [-0.0, inf)$

symbol $b_2 : [-0.0, inf)$

symbol $a_{21} : (-0.0, inf)$

$$-c_1 a_{12} + c_2 a_{11} > 0$$

$$a_{12} a_{21} - a_{11} a_{22} > 0$$

$$c_2 a_{21} - c_1 a_{22} > 0$$

$$-a_{12}^3 a_{21}^3 + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 \geq 0$$

$$-a_{12}^2 a_{21}^2 + 2.00 \cdot a_{12} a_{11} a_{22} a_{21} - a_{11}^2 a_{22}^2 > 0$$

$$a_{12} c_2 a_{21}^2 - c_1 a_{12} a_{22} a_{21} - c_2 a_{11} a_{22} a_{21} + c_1 a_{11} a_{22}^2 \geq 0$$

$$a_{12}^3 a_{21}^3 - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 > 0$$

$$-a_{12}^3 a_{21}^3 + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 > 0$$

$$a_{12}^8 a_{21}^8 - 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 -$$

$$56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + a_{11}^8 a_{22}^8 \geq 0$$

$$a_{12}^8 a_{21}^8 - 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 -$$

$$56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + a_{11}^8 a_{22}^8 > 0$$

pot #21:

symbol $a_{12} : (-0.0, inf)$

symbol $c_1 : (-0.0, inf)$

symbol $c_2 : (-inf, 0.0)$

symbol $a_{11} : (-inf, 0.0)$

symbol $a_{22} : (-inf, 0.0)$

symbol $b_1 : [-0.0, inf)$

symbol $b_2 : [-0.0, inf)$

symbol $a_{21} : (-0.0, inf)$

$$-c_1 a_{12} + c_2 a_{11} > 0$$

$$a_{12} a_{21} - a_{11} a_{22} > 0$$

$$c_2 a_{21} - c_1 a_{22} > 0$$

$$-a_{12}^3 a_{21}^3 + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 \geq 0$$

$$-a_{12}^2 a_{21}^2 + 2.00 \cdot a_{12} a_{11} a_{22} a_{21} - a_{11}^2 a_{22}^2 > 0$$

$$a_{12} c_2 a_{21}^2 - c_1 a_{12} a_{22} a_{21} - c_2 a_{11} a_{22} a_{21} + c_1 a_{11} a_{22}^2 \geq 0$$

$$a_{12}^3 a_{21}^3 - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 > 0$$

$$\begin{aligned}
& -a_{12}^3 a_{21}^3 + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 > 0 \\
& -a_{12}^8 a_{21}^8 + 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 + \\
& 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - a_{11}^8 a_{22}^8 \geq 0 \\
& -a_{12}^8 a_{21}^8 + 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 + \\
& 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - a_{11}^8 a_{22}^8 > 0
\end{aligned}$$

pot #22:

symbol a_{12} : $(-0.0, inf)$

symbol c_1 : $(-0.0, inf)$

symbol c_2 : $(-inf, 0.0)$

symbol a_{11} : $(-inf, 0.0)$

symbol a_{22} : $(-inf, 0.0)$

symbol b_1 : -0.0

symbol b_2 : $[-0.0, inf)$

symbol a_{21} : $(-0.0, inf)$

$$-c_1 a_{12} + c_2 a_{11} > 0$$

$$a_{12} a_{21} - a_{11} a_{22} > 0$$

$$c_2 a_{21} - c_1 a_{22} > 0$$

$$-a_{12}^3 a_{21}^3 + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 \geq 0$$

$$-a_{12}^2 a_{21}^2 + 2.00 \cdot a_{12} a_{11} a_{22} a_{21} - a_{11}^2 a_{22}^2 > 0$$

$$a_{12} c_2 a_{21}^2 - c_1 a_{12} a_{22} a_{21} - c_2 a_{11} a_{22} a_{21} + c_1 a_{11} a_{22}^2 \geq 0$$

$$a_{12}^3 a_{21}^3 - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 > 0$$

$$-a_{12}^3 a_{21}^3 + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 > 0$$

$$\begin{aligned}
& a_{12}^8 a_{21}^8 - 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 - \\
& 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + a_{11}^8 a_{22}^8 \geq 0
\end{aligned}$$

$$\begin{aligned}
& -a_{12}^8 a_{21}^8 + 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 + \\
& 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - a_{11}^8 a_{22}^8 > 0
\end{aligned}$$

pot #23:

symbol a_{12} : $(-0.0, inf)$

symbol c_1 : $(-0.0, inf)$

symbol c_2 : $(-inf, 0.0)$

symbol a_{11} : $(-inf, 0.0)$

symbol a_{22} : $(-inf, 0.0)$

symbol b_1 : -0.0

symbol b_2 : $[-0.0, inf)$

symbol a_{21} : $(-0.0, inf)$

$$-c_1 a_{12} + c_2 a_{11} > 0$$

$$a_{12} a_{21} - a_{11} a_{22} > 0$$

$$c_2 a_{21} - c_1 a_{22} > 0$$

$$-a_{12}^3 a_{21}^3 + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 \geq 0$$

$$-a_{12}^2 a_{21}^2 + 2.00 \cdot a_{12} a_{11} a_{22} a_{21} - a_{11}^2 a_{22}^2 > 0$$

$$a_{12} c_2 a_{21}^2 - c_1 a_{12} a_{22} a_{21} - c_2 a_{11} a_{22} a_{21} + c_1 a_{11} a_{22}^2 \geq 0$$

$$a_{12}^3 a_{21}^3 - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 > 0$$

$$-a_{12}^3 a_{21}^3 + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 > 0$$

$$\begin{aligned}
& -a_{12}^8 a_{21}^8 + 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 + \\
& 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - a_{11}^8 a_{22}^8 \geq 0
\end{aligned}$$

$$\begin{aligned}
& a_{12}^8 a_{21}^8 - 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 - \\
& 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + a_{11}^8 a_{22}^8 > 0
\end{aligned}$$

pot #24:

symbol a_{12} : $(-0.0, inf)$

symbol c_1 : $(-0.0, inf)$

symbol $c_2 : (-inf, 0.0)$
symbol $a_{11} : (-inf, 0.0)$
symbol $a_{22} : (-inf, 0.0)$
symbol $b_1 : [-0.0, inf)$
symbol $b_2 : [-0.0, inf)$
symbol $a_{21} : (-0.0, inf)$
 $-c_1 a_{12} + c_2 a_{11} > 0$
 $a_{12} a_{21} - a_{11} a_{22} > 0$
 $c_2 a_{21} - c_1 a_{22} > 0$
 $-a_{12}^3 a_{21}^3 + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 \geq 0$
 $-a_{12}^2 a_{21}^2 + 2.00 \cdot a_{12} a_{11} a_{22} a_{21} - a_{11}^2 a_{22}^2 > 0$
 $a_{12} c_2 a_{21}^2 - c_1 a_{12} a_{22} a_{21} - c_2 a_{11} a_{22} a_{21} + c_1 a_{11} a_{22}^2 \geq 0$
 $-a_{12}^3 a_{21}^3 + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 > 0$
 $a_{12}^3 a_{21}^3 - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 > 0$
 $a_{12}^8 a_{21}^8 - 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 -$
 $56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + a_{11}^8 a_{22}^8 \geq 0$
 $a_{12}^8 a_{21}^8 - 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 -$
 $56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + a_{11}^8 a_{22}^8 > 0$
pot #25:
symbol $a_{12} : (-0.0, inf)$
symbol $c_1 : (-0.0, inf)$
symbol $c_2 : (-inf, 0.0)$
symbol $a_{11} : (-inf, 0.0)$
symbol $a_{22} : (-inf, 0.0)$
symbol $b_1 : [-0.0, inf)$
symbol $b_2 : [-0.0, inf)$
symbol $a_{21} : (-0.0, inf)$
 $-c_1 a_{12} + c_2 a_{11} > 0$
 $a_{12} a_{21} - a_{11} a_{22} > 0$
 $c_2 a_{21} - c_1 a_{22} > 0$
 $-a_{12}^3 a_{21}^3 + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 \geq 0$
 $-a_{12}^2 a_{21}^2 + 2.00 \cdot a_{12} a_{11} a_{22} a_{21} - a_{11}^2 a_{22}^2 > 0$
 $a_{12} c_2 a_{21}^2 - c_1 a_{12} a_{22} a_{21} - c_2 a_{11} a_{22} a_{21} + c_1 a_{11} a_{22}^2 \geq 0$
 $-a_{12}^3 a_{21}^3 + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 > 0$
 $a_{12}^3 a_{21}^3 - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 > 0$
 $-a_{12}^8 a_{21}^8 + 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 +$
 $56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - a_{11}^8 a_{22}^8 \geq 0$
 $-a_{12}^8 a_{21}^8 + 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 +$
 $56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - a_{11}^8 a_{22}^8 > 0$
pot #26:
symbol $a_{12} : (-0.0, inf)$
symbol $c_1 : (-0.0, inf)$
symbol $c_2 : (-inf, 0.0)$
symbol $a_{11} : (-inf, 0.0)$
symbol $a_{22} : (-inf, 0.0)$
symbol $b_1 : -0.0$
symbol $b_2 : [-0.0, inf)$
symbol $a_{21} : (-0.0, inf)$
 $-c_1 a_{12} + c_2 a_{11} > 0$
 $a_{12} a_{21} - a_{11} a_{22} > 0$

$$56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + a_{11}^8 a_{22}^8 > 0$$

pot #29:

symbol a_{12} : $(-0.0, inf)$

symbol c_1 : $(-0.0, inf)$

symbol c_2 : $(-inf, 0.0)$

symbol a_{11} : $(-inf, 0.0)$

symbol a_{22} : $(-inf, 0.0)$

symbol b_1 : $[-0.0, inf)$

symbol b_2 : $[-0.0, inf)$

symbol a_{21} : $(-0.0, inf)$

$$-c_1 a_{12} + c_2 a_{11} > 0$$

$$a_{12} a_{21} - a_{11} a_{22} > 0$$

$$c_2 a_{21} - c_1 a_{22} > 0$$

$$-a_{12}^3 a_{21}^3 + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 \geq 0$$

$$-a_{12}^2 a_{21}^2 + 2.00 \cdot a_{12} a_{11} a_{22} a_{21} - a_{11}^2 a_{22}^2 > 0$$

$$a_{12} c_2 a_{21}^2 - c_1 a_{12} a_{22} a_{21} - c_2 a_{11} a_{22} a_{21} + c_1 a_{11} a_{22}^2 \geq 0$$

$$-a_{12}^3 a_{21}^3 + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 > 0$$

$$-a_{12}^8 a_{21}^8 + 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 +$$

$$56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - a_{11}^8 a_{22}^8 \geq 0$$

$$-a_{12}^8 a_{21}^8 + 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 +$$

$$56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - a_{11}^8 a_{22}^8 > 0$$

pot #30:

symbol a_{12} : $(-0.0, inf)$

symbol c_1 : $(-0.0, inf)$

symbol c_2 : $(-inf, 0.0)$

symbol a_{11} : $(-inf, 0.0)$

symbol a_{22} : $(-inf, 0.0)$

symbol b_1 : -0.0

symbol b_2 : $[-0.0, inf)$

symbol a_{21} : $(-0.0, inf)$

$$-c_1 a_{12} + c_2 a_{11} > 0$$

$$a_{12} a_{21} - a_{11} a_{22} > 0$$

$$c_2 a_{21} - c_1 a_{22} > 0$$

$$-a_{12}^3 a_{21}^3 + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 \geq 0$$

$$-a_{12}^2 a_{21}^2 + 2.00 \cdot a_{12} a_{11} a_{22} a_{21} - a_{11}^2 a_{22}^2 > 0$$

$$a_{12} c_2 a_{21}^2 - c_1 a_{12} a_{22} a_{21} - c_2 a_{11} a_{22} a_{21} + c_1 a_{11} a_{22}^2 \geq 0$$

$$-a_{12}^3 a_{21}^3 + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 > 0$$

$$a_{12}^8 a_{21}^8 - 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 -$$

$$56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + a_{11}^8 a_{22}^8 \geq 0$$

$$-a_{12}^8 a_{21}^8 + 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 +$$

$$56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - a_{11}^8 a_{22}^8 > 0$$

pot #31:

symbol a_{12} : $(-0.0, inf)$

symbol c_1 : $(-0.0, inf)$

symbol c_2 : $(-inf, 0.0)$

symbol a_{11} : $(-inf, 0.0)$

symbol a_{22} : $(-inf, 0.0)$

symbol b_1 : -0.0

symbol b_2 : $[-0.0, inf)$

symbol a_{21} : $(-0.0, inf)$

$$56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - a_{11}^8 a_{22}^8 > 0$$

pot #34:

symbol a_{12} : $(-0.0, inf)$

symbol c_1 : $(-0.0, inf)$

symbol c_2 : $(-inf, 0.0)$

symbol a_{11} : $(-inf, 0.0)$

symbol a_{22} : $(-inf, 0.0)$

symbol b_1 : -0.0

symbol b_2 : -0.0

symbol a_{21} : $(-0.0, inf)$

$$-c_1 a_{12} + c_2 a_{11} > 0$$

$$a_{12} a_{21} - a_{11} a_{22} > 0$$

$$c_2 a_{21} - c_1 a_{22} > 0$$

$$a_{12}^3 a_{21}^3 - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 \geq 0$$

$$-a_{12}^2 a_{21}^2 + 2.00 \cdot a_{12} a_{11} a_{22} a_{21} - a_{11}^2 a_{22}^2 > 0$$

$$a_{12} c_2 a_{21}^2 - c_1 a_{12} a_{22} a_{21} - c_2 a_{11} a_{22} a_{21} + c_1 a_{11} a_{22}^2 \geq 0$$

$$a_{12}^3 a_{21}^3 - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 > 0$$

$$a_{12}^8 a_{21}^8 - 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 -$$

$$56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + a_{11}^8 a_{22}^8 \geq 0$$

$$-a_{12}^8 a_{21}^8 + 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 +$$

$$56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - a_{11}^8 a_{22}^8 > 0$$

pot #35:

symbol a_{12} : $(-0.0, inf)$

symbol c_1 : $(-0.0, inf)$

symbol c_2 : $(-inf, 0.0)$

symbol a_{11} : $(-inf, 0.0)$

symbol a_{22} : $(-inf, 0.0)$

symbol b_1 : -0.0

symbol b_2 : -0.0

symbol a_{21} : $(-0.0, inf)$

$$-c_1 a_{12} + c_2 a_{11} > 0$$

$$a_{12} a_{21} - a_{11} a_{22} > 0$$

$$c_2 a_{21} - c_1 a_{22} > 0$$

$$a_{12}^3 a_{21}^3 - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 \geq 0$$

$$-a_{12}^2 a_{21}^2 + 2.00 \cdot a_{12} a_{11} a_{22} a_{21} - a_{11}^2 a_{22}^2 > 0$$

$$a_{12} c_2 a_{21}^2 - c_1 a_{12} a_{22} a_{21} - c_2 a_{11} a_{22} a_{21} + c_1 a_{11} a_{22}^2 \geq 0$$

$$a_{12}^3 a_{21}^3 - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 > 0$$

$$-a_{12}^8 a_{21}^8 + 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 +$$

$$56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - a_{11}^8 a_{22}^8 \geq 0$$

$$a_{12}^8 a_{21}^8 - 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 -$$

$$56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + a_{11}^8 a_{22}^8 > 0$$

pot #36:

symbol a_{12} : $(-0.0, inf)$

symbol c_1 : $(-0.0, inf)$

symbol c_2 : $(-inf, 0.0)$

symbol a_{11} : $(-inf, 0.0)$

symbol a_{22} : $(-inf, 0.0)$

symbol b_1 : $[-0.0, inf)$

symbol b_2 : -0.0

symbol a_{21} : $(-0.0, inf)$

$$-c_1 a_{12} + c_2 a_{11} > 0$$

$$a_{12} a_{21} - a_{11} a_{22} > 0$$

$$c_2 a_{21} - c_1 a_{22} > 0$$

$$a_{12}^3 a_{21}^3 - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 \geq 0$$

$$-a_{12}^2 a_{21}^2 + 2.00 \cdot a_{12} a_{11} a_{22} a_{21} - a_{11}^2 a_{22}^2 > 0$$

$$a_{12} c_2 a_{21}^2 - c_1 a_{12} a_{22} a_{21} - c_2 a_{11} a_{22} a_{21} + c_1 a_{11} a_{22}^2 \geq 0$$

$$a_{12}^3 a_{21}^3 - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 > 0$$

$$-a_{12}^3 a_{21}^3 + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 > 0$$

$$a_{12}^8 a_{21}^8 - 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 -$$

$$56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + a_{11}^8 a_{22}^8 \geq 0$$

$$a_{12}^8 a_{21}^8 - 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 -$$

$$56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + a_{11}^8 a_{22}^8 > 0$$

pot #37:

symbol a_{12} : $(-0.0, inf)$

symbol c_1 : $(-0.0, inf)$

symbol c_2 : $(-inf, 0.0)$

symbol a_{11} : $(-inf, 0.0)$

symbol a_{22} : $(-inf, 0.0)$

symbol b_1 : $[-0.0, inf)$

symbol b_2 : -0.0

symbol a_{21} : $(-0.0, inf)$

$$-c_1 a_{12} + c_2 a_{11} > 0$$

$$a_{12} a_{21} - a_{11} a_{22} > 0$$

$$c_2 a_{21} - c_1 a_{22} > 0$$

$$a_{12}^3 a_{21}^3 - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 \geq 0$$

$$-a_{12}^2 a_{21}^2 + 2.00 \cdot a_{12} a_{11} a_{22} a_{21} - a_{11}^2 a_{22}^2 > 0$$

$$a_{12} c_2 a_{21}^2 - c_1 a_{12} a_{22} a_{21} - c_2 a_{11} a_{22} a_{21} + c_1 a_{11} a_{22}^2 \geq 0$$

$$a_{12}^3 a_{21}^3 - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 > 0$$

$$-a_{12}^3 a_{21}^3 + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 > 0$$

$$-a_{12}^8 a_{21}^8 + 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 +$$

$$56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - a_{11}^8 a_{22}^8 \geq 0$$

$$-a_{12}^8 a_{21}^8 + 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 +$$

$$56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - a_{11}^8 a_{22}^8 > 0$$

pot #38:

symbol a_{12} : $(-0.0, inf)$

symbol c_1 : $(-0.0, inf)$

symbol c_2 : $(-inf, 0.0)$

symbol a_{11} : $(-inf, 0.0)$

symbol a_{22} : $(-inf, 0.0)$

symbol b_1 : -0.0

symbol b_2 : -0.0

symbol a_{21} : $(-0.0, inf)$

$$-c_1 a_{12} + c_2 a_{11} > 0$$

$$a_{12} a_{21} - a_{11} a_{22} > 0$$

$$c_2 a_{21} - c_1 a_{22} > 0$$

$$a_{12}^3 a_{21}^3 - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 \geq 0$$

$$-a_{12}^2 a_{21}^2 + 2.00 \cdot a_{12} a_{11} a_{22} a_{21} - a_{11}^2 a_{22}^2 > 0$$

$$a_{12} c_2 a_{21}^2 - c_1 a_{12} a_{22} a_{21} - c_2 a_{11} a_{22} a_{21} + c_1 a_{11} a_{22}^2 \geq 0$$

$$a_{12}^3 a_{21}^3 - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 > 0$$

$$-a_{12}^3 a_{21}^3 + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 > 0$$

$$\begin{aligned}
& a_{12}^8 a_{21}^8 - 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 - \\
& 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + a_{11}^8 a_{22}^8 \geq 0 \\
& -a_{12}^8 a_{21}^8 + 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 + \\
& 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - a_{11}^8 a_{22}^8 > 0
\end{aligned}$$

pot #39:

symbol a_{12} : $(-0.0, inf)$

symbol c_1 : $(-0.0, inf)$

symbol c_2 : $(-inf, 0.0)$

symbol a_{11} : $(-inf, 0.0)$

symbol a_{22} : $(-inf, 0.0)$

symbol b_1 : -0.0

symbol b_2 : -0.0

symbol a_{21} : $(-0.0, inf)$

$$-c_1 a_{12} + c_2 a_{11} > 0$$

$$a_{12} a_{21} - a_{11} a_{22} > 0$$

$$c_2 a_{21} - c_1 a_{22} > 0$$

$$a_{12}^3 a_{21}^3 - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 \geq 0$$

$$-a_{12}^2 a_{21}^2 + 2.00 \cdot a_{12} a_{11} a_{22} a_{21} - a_{11}^2 a_{22}^2 > 0$$

$$a_{12} c_2 a_{21}^2 - c_1 a_{12} a_{22} a_{21} - c_2 a_{11} a_{22} a_{21} + c_1 a_{11} a_{22}^2 \geq 0$$

$$a_{12}^3 a_{21}^3 - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 > 0$$

$$-a_{12}^2 a_{21}^2 + 3.00 \cdot a_{12} a_{11} a_{22} a_{21} - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 > 0$$

$$-a_{12}^8 a_{21}^8 + 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 +$$

$$56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - a_{11}^8 a_{22}^8 \geq 0$$

$$a_{12}^8 a_{21}^8 - 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 -$$

$$56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + a_{11}^8 a_{22}^8 > 0$$

pot #40:

symbol a_{12} : $(-0.0, inf)$

symbol c_1 : $(-0.0, inf)$

symbol c_2 : $(-inf, 0.0)$

symbol a_{11} : $(-inf, 0.0)$

symbol a_{22} : $(-inf, 0.0)$

symbol b_1 : $[-0.0, inf)$

symbol b_2 : -0.0

symbol a_{21} : $(-0.0, inf)$

$$-c_1 a_{12} + c_2 a_{11} > 0$$

$$a_{12} a_{21} - a_{11} a_{22} > 0$$

$$c_2 a_{21} - c_1 a_{22} > 0$$

$$a_{12}^3 a_{21}^3 - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 \geq 0$$

$$-a_{12}^2 a_{21}^2 + 2.00 \cdot a_{12} a_{11} a_{22} a_{21} - a_{11}^2 a_{22}^2 > 0$$

$$a_{12} c_2 a_{21}^2 - c_1 a_{12} a_{22} a_{21} - c_2 a_{11} a_{22} a_{21} + c_1 a_{11} a_{22}^2 \geq 0$$

$$-a_{12}^3 a_{21}^3 + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 > 0$$

$$a_{12}^3 a_{21}^3 - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 > 0$$

$$a_{12}^8 a_{21}^8 - 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 -$$

$$56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + a_{11}^8 a_{22}^8 \geq 0$$

$$a_{12}^8 a_{21}^8 - 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 -$$

$$56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + a_{11}^8 a_{22}^8 > 0$$

pot #41:

symbol a_{12} : $(-0.0, inf)$

symbol c_1 : $(-0.0, inf)$

symbol c_2 : $(-inf, 0.0)$

symbol $a_{11} : (-inf, 0.0)$

symbol $a_{22} : (-inf, 0.0)$

symbol $b_1 : [-0.0, inf)$

symbol $b_2 : -0.0$

symbol $a_{21} : (-0.0, inf)$

$$-c_1 a_{12} + c_2 a_{11} > 0$$

$$a_{12} a_{21} - a_{11} a_{22} > 0$$

$$c_2 a_{21} - c_1 a_{22} > 0$$

$$a_{12}^3 a_{21}^3 - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 \geq 0$$

$$-a_{12}^2 a_{21}^2 + 2.00 \cdot a_{12} a_{11} a_{22} a_{21} - a_{11}^2 a_{22}^2 > 0$$

$$a_{12} c_2 a_{21}^2 - c_1 a_{12} a_{22} a_{21} - c_2 a_{11} a_{22} a_{21} + c_1 a_{11} a_{22}^2 \geq 0$$

$$-a_{12}^3 a_{21}^3 + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 > 0$$

$$a_{12}^3 a_{21}^3 - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 > 0$$

$$-a_{12}^8 a_{21}^8 + 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 +$$

$$56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - a_{11}^8 a_{22}^8 \geq 0$$

$$-a_{12}^8 a_{21}^8 + 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 +$$

$$56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - a_{11}^8 a_{22}^8 > 0$$

pot #42:

symbol $a_{12} : (-0.0, inf)$

symbol $c_1 : (-0.0, inf)$

symbol $c_2 : (-inf, 0.0)$

symbol $a_{11} : (-inf, 0.0)$

symbol $a_{22} : (-inf, 0.0)$

symbol $b_1 : -0.0$

symbol $b_2 : -0.0$

symbol $a_{21} : (-0.0, inf)$

$$-c_1 a_{12} + c_2 a_{11} > 0$$

$$a_{12} a_{21} - a_{11} a_{22} > 0$$

$$c_2 a_{21} - c_1 a_{22} > 0$$

$$a_{12}^3 a_{21}^3 - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 \geq 0$$

$$-a_{12}^2 a_{21}^2 + 2.00 \cdot a_{12} a_{11} a_{22} a_{21} - a_{11}^2 a_{22}^2 > 0$$

$$a_{12} c_2 a_{21}^2 - c_1 a_{12} a_{22} a_{21} - c_2 a_{11} a_{22} a_{21} + c_1 a_{11} a_{22}^2 \geq 0$$

$$-a_{12}^3 a_{21}^3 + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 > 0$$

$$a_{12}^3 a_{21}^3 - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 > 0$$

$$a_{12}^8 a_{21}^8 - 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 -$$

$$56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + a_{11}^8 a_{22}^8 \geq 0$$

$$-a_{12}^8 a_{21}^8 + 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 +$$

$$56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - a_{11}^8 a_{22}^8 > 0$$

pot #43:

symbol $a_{12} : (-0.0, inf)$

symbol $c_1 : (-0.0, inf)$

symbol $c_2 : (-inf, 0.0)$

symbol $a_{11} : (-inf, 0.0)$

symbol $a_{22} : (-inf, 0.0)$

symbol $b_1 : -0.0$

symbol $b_2 : -0.0$

symbol $a_{21} : (-0.0, inf)$

$$-c_1 a_{12} + c_2 a_{11} > 0$$

$$a_{12} a_{21} - a_{11} a_{22} > 0$$

$$c_2 a_{21} - c_1 a_{22} > 0$$

$$\begin{aligned}
& a_{12}^3 a_{21}^3 - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 \geq 0 \\
& -a_{12}^2 a_{21}^2 + 2.00 \cdot a_{12} a_{11} a_{22} a_{21} - a_{11}^2 a_{22}^2 > 0 \\
& a_{12} c_2 a_{21}^2 - c_1 a_{12} a_{22} a_{21} - c_2 a_{11} a_{22} a_{21} + c_1 a_{11} a_{22}^2 \geq 0 \\
& -a_{12}^3 a_{21}^3 + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 > 0 \\
& a_{12}^3 a_{21}^3 - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 > 0 \\
& -a_{12}^8 a_{21}^8 + 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 + \\
& 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - a_{11}^8 a_{22}^8 \geq 0 \\
& a_{12}^8 a_{21}^8 - 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 - \\
& 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + a_{11}^8 a_{22}^8 > 0
\end{aligned}$$

pot #44:

symbol a_{12} : $(-0.0, inf)$

symbol c_1 : $(-0.0, inf)$

symbol c_2 : $(-inf, 0.0)$

symbol a_{11} : $(-inf, 0.0)$

symbol a_{22} : $(-inf, 0.0)$

symbol b_1 : $[-0.0, inf)$

symbol b_2 : -0.0

symbol a_{21} : $(-0.0, inf)$

$$-c_1 a_{12} + c_2 a_{11} > 0$$

$$a_{12} a_{21} - a_{11} a_{22} > 0$$

$$c_2 a_{21} - c_1 a_{22} > 0$$

$$a_{12}^3 a_{21}^3 - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 \geq 0$$

$$-a_{12}^2 a_{21}^2 + 2.00 \cdot a_{12} a_{11} a_{22} a_{21} - a_{11}^2 a_{22}^2 > 0$$

$$a_{12} c_2 a_{21}^2 - c_1 a_{12} a_{22} a_{21} - c_2 a_{11} a_{22} a_{21} + c_1 a_{11} a_{22}^2 \geq 0$$

$$-a_{12}^3 a_{21}^3 + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 > 0$$

$$a_{12}^8 a_{21}^8 - 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 -$$

$$56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + a_{11}^8 a_{22}^8 \geq 0$$

$$a_{12}^8 a_{21}^8 - 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 -$$

$$56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + a_{11}^8 a_{22}^8 > 0$$

pot #45:

symbol a_{12} : $(-0.0, inf)$

symbol c_1 : $(-0.0, inf)$

symbol c_2 : $(-inf, 0.0)$

symbol a_{11} : $(-inf, 0.0)$

symbol a_{22} : $(-inf, 0.0)$

symbol b_1 : $[-0.0, inf)$

symbol b_2 : -0.0

symbol a_{21} : $(-0.0, inf)$

$$-c_1 a_{12} + c_2 a_{11} > 0$$

$$a_{12} a_{21} - a_{11} a_{22} > 0$$

$$c_2 a_{21} - c_1 a_{22} > 0$$

$$a_{12}^3 a_{21}^3 - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 \geq 0$$

$$-a_{12}^2 a_{21}^2 + 2.00 \cdot a_{12} a_{11} a_{22} a_{21} - a_{11}^2 a_{22}^2 > 0$$

$$a_{12} c_2 a_{21}^2 - c_1 a_{12} a_{22} a_{21} - c_2 a_{11} a_{22} a_{21} + c_1 a_{11} a_{22}^2 \geq 0$$

$$-a_{12}^3 a_{21}^3 + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 > 0$$

$$-a_{12}^8 a_{21}^8 + 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 +$$

$$56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - a_{11}^8 a_{22}^8 \geq 0$$

$$-a_{12}^8 a_{21}^8 + 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 +$$

$$56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - a_{11}^8 a_{22}^8 > 0$$

pot #46:

symbol a_{12} : $(-0.0, inf)$

symbol c_1 : $(-0.0, inf)$

symbol c_2 : $(-inf, 0.0)$

symbol a_{11} : $(-inf, 0.0)$

symbol a_{22} : $(-inf, 0.0)$

symbol b_1 : -0.0

symbol b_2 : -0.0

symbol a_{21} : $(-0.0, inf)$

$-c_1 a_{12} + c_2 a_{11} > 0$

$a_{12} a_{21} - a_{11} a_{22} > 0$

$c_2 a_{21} - c_1 a_{22} > 0$

$a_{12}^3 a_{21}^3 - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 \geq 0$

$-a_{12}^2 a_{21}^2 + 2.00 \cdot a_{12} a_{11} a_{22} a_{21} - a_{11}^2 a_{22}^2 > 0$

$a_{12} c_2 a_{21}^2 - c_1 a_{12} a_{22} a_{21} - c_2 a_{11} a_{22} a_{21} + c_1 a_{11} a_{22}^2 \geq 0$

$-a_{12}^3 a_{21}^3 + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 > 0$

$a_{12}^8 a_{21}^8 - 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 -$

$56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + a_{11}^8 a_{22}^8 \geq 0$

$-a_{12}^8 a_{21}^8 + 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 +$

$56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - a_{11}^8 a_{22}^8 > 0$

pot #47:

symbol a_{12} : $(-0.0, inf)$

symbol c_1 : $(-0.0, inf)$

symbol c_2 : $(-inf, 0.0)$

symbol a_{11} : $(-inf, 0.0)$

symbol a_{22} : $(-inf, 0.0)$

symbol b_1 : -0.0

symbol b_2 : -0.0

symbol a_{21} : $(-0.0, inf)$

$-c_1 a_{12} + c_2 a_{11} > 0$

$a_{12} a_{21} - a_{11} a_{22} > 0$

$c_2 a_{21} - c_1 a_{22} > 0$

$a_{12}^3 a_{21}^3 - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 \geq 0$

$-a_{12}^2 a_{21}^2 + 2.00 \cdot a_{12} a_{11} a_{22} a_{21} - a_{11}^2 a_{22}^2 > 0$

$a_{12} c_2 a_{21}^2 - c_1 a_{12} a_{22} a_{21} - c_2 a_{11} a_{22} a_{21} + c_1 a_{11} a_{22}^2 \geq 0$

$-a_{12}^3 a_{21}^3 + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 > 0$

$-a_{12}^8 a_{21}^8 + 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 +$

$56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - a_{11}^8 a_{22}^8 \geq 0$

$a_{12}^8 a_{21}^8 - 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 -$

$56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + a_{11}^8 a_{22}^8 > 0$

pot #48:

symbol a_{12} : $(-0.0, inf)$

symbol c_1 : $(-0.0, inf)$

symbol c_2 : $(-inf, 0.0)$

symbol a_{11} : $(-inf, 0.0)$

symbol a_{22} : $(-inf, 0.0)$

symbol b_1 : $[-0.0, inf)$

symbol b_2 : -0.0

symbol a_{21} : $(-0.0, inf)$

$-c_1 a_{12} + c_2 a_{11} > 0$

$a_{12} a_{21} - a_{11} a_{22} > 0$

symbol $a_{12} : (-0.0, inf)$
symbol $c_1 : (-0.0, inf)$
symbol $c_2 : (-inf, 0.0)$
symbol $a_{11} : (-inf, 0.0)$
symbol $a_{22} : (-inf, 0.0)$
symbol $b_1 : -0.0$
symbol $b_2 : -0.0$
symbol $a_{21} : (-0.0, inf)$
 $-c_1 a_{12} + c_2 a_{11} > 0$
 $a_{12} a_{21} - a_{11} a_{22} > 0$
 $c_2 a_{21} - c_1 a_{22} > 0$
 $-a_{12}^3 a_{21}^3 + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 \geq 0$
 $a_{12}^2 a_{21}^2 - 2.00 \cdot a_{12} a_{11} a_{22} a_{21} + a_{11}^2 a_{22}^2 > 0$
 $a_{12} c_2 a_{21}^2 - c_1 a_{12} a_{22} a_{21} - c_2 a_{11} a_{22} a_{21} + c_1 a_{11} a_{22}^2 \geq 0$
 $a_{12}^3 a_{21}^3 - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 > 0$
 $-a_{12}^8 a_{21}^8 + 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 +$
 $56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - a_{11}^8 a_{22}^8 \geq 0$
 $a_{12}^8 a_{21}^8 - 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 -$
 $56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + a_{11}^8 a_{22}^8 > 0$
pot #52:

symbol $a_{12} : (-0.0, inf)$
symbol $c_1 : (-0.0, inf)$
symbol $c_2 : (-inf, 0.0)$
symbol $a_{11} : (-inf, 0.0)$
symbol $a_{22} : (-inf, 0.0)$
symbol $b_1 : [-0.0, inf)$
symbol $b_2 : -0.0$
symbol $a_{21} : (-0.0, inf)$
 $-c_1 a_{12} + c_2 a_{11} > 0$
 $a_{12} a_{21} - a_{11} a_{22} > 0$
 $c_2 a_{21} - c_1 a_{22} > 0$
 $-a_{12}^3 a_{21}^3 + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 \geq 0$
 $a_{12}^2 a_{21}^2 - 2.00 \cdot a_{12} a_{11} a_{22} a_{21} + a_{11}^2 a_{22}^2 > 0$
 $a_{12} c_2 a_{21}^2 - c_1 a_{12} a_{22} a_{21} - c_2 a_{11} a_{22} a_{21} + c_1 a_{11} a_{22}^2 \geq 0$
 $a_{12}^3 a_{21}^3 - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 > 0$
 $-a_{12}^3 a_{21}^3 + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 > 0$
 $a_{12}^8 a_{21}^8 - 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 -$
 $56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + a_{11}^8 a_{22}^8 \geq 0$
 $a_{12}^8 a_{21}^8 - 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 -$
 $56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + a_{11}^8 a_{22}^8 > 0$
pot #53:

symbol $a_{12} : (-0.0, inf)$
symbol $c_1 : (-0.0, inf)$
symbol $c_2 : (-inf, 0.0)$
symbol $a_{11} : (-inf, 0.0)$
symbol $a_{22} : (-inf, 0.0)$
symbol $b_1 : [-0.0, inf)$
symbol $b_2 : -0.0$
symbol $a_{21} : (-0.0, inf)$
 $-c_1 a_{12} + c_2 a_{11} > 0$

$$a_{12}a_{21} - a_{11}a_{22} > 0$$

$$c_2a_{21} - c_1a_{22} > 0$$

$$-a_{12}^3a_{21}^3 + 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 - 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} + a_{11}^3a_{22}^3 \geq 0$$

$$a_{12}^2a_{21}^2 - 2.00 \cdot a_{12}a_{11}a_{22}a_{21} + a_{11}^2a_{22}^2 > 0$$

$$a_{12}c_2a_{21}^2 - c_1a_{12}a_{22}a_{21} - c_2a_{11}a_{22}a_{21} + c_1a_{11}a_{22}^2 \geq 0$$

$$a_{12}^3a_{21}^3 - 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 + 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} - a_{11}^3a_{22}^3 > 0$$

$$-a_{12}^3a_{21}^3 + 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 - 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} + a_{11}^3a_{22}^3 > 0$$

$$-a_{12}^8a_{21}^8 + 8.00 \cdot a_{12}^7a_{11}a_{22}a_{21}^7 - 28.00 \cdot a_{12}^6a_{11}^2a_{22}^2a_{21}^6 + 56.00 \cdot a_{12}^5a_{11}^3a_{22}^3a_{21}^5 - 70.00 \cdot a_{12}^4a_{11}^4a_{22}^4a_{21}^4 + 56.00 \cdot a_{12}^3a_{11}^5a_{22}^5a_{21}^3 - 28.00 \cdot a_{12}^2a_{11}^6a_{22}^6a_{21}^2 + 8.00 \cdot a_{12}a_{11}^7a_{22}^7a_{21} - a_{11}^8a_{22}^8 \geq 0$$

$$-a_{12}^8a_{21}^8 + 8.00 \cdot a_{12}^7a_{11}a_{22}a_{21}^7 - 28.00 \cdot a_{12}^6a_{11}^2a_{22}^2a_{21}^6 + 56.00 \cdot a_{12}^5a_{11}^3a_{22}^3a_{21}^5 - 70.00 \cdot a_{12}^4a_{11}^4a_{22}^4a_{21}^4 + 56.00 \cdot a_{12}^3a_{11}^5a_{22}^5a_{21}^3 - 28.00 \cdot a_{12}^2a_{11}^6a_{22}^6a_{21}^2 + 8.00 \cdot a_{12}a_{11}^7a_{22}^7a_{21} - a_{11}^8a_{22}^8 > 0$$

pot #54:

symbol a_{12} : $(-0.0, inf)$

symbol c_1 : $(-0.0, inf)$

symbol c_2 : $(-inf, 0.0)$

symbol a_{11} : $(-inf, 0.0)$

symbol a_{22} : $(-inf, 0.0)$

symbol b_1 : -0.0

symbol b_2 : -0.0

symbol a_{21} : $(-0.0, inf)$

$$-c_1a_{12} + c_2a_{11} > 0$$

$$a_{12}a_{21} - a_{11}a_{22} > 0$$

$$c_2a_{21} - c_1a_{22} > 0$$

$$-a_{12}^3a_{21}^3 + 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 - 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} + a_{11}^3a_{22}^3 \geq 0$$

$$a_{12}^2a_{21}^2 - 2.00 \cdot a_{12}a_{11}a_{22}a_{21} + a_{11}^2a_{22}^2 > 0$$

$$a_{12}c_2a_{21}^2 - c_1a_{12}a_{22}a_{21} - c_2a_{11}a_{22}a_{21} + c_1a_{11}a_{22}^2 \geq 0$$

$$a_{12}^3a_{21}^3 - 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 + 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} - a_{11}^3a_{22}^3 > 0$$

$$-a_{12}^3a_{21}^3 + 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 - 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} + a_{11}^3a_{22}^3 > 0$$

$$a_{12}^8a_{21}^8 - 8.00 \cdot a_{12}^7a_{11}a_{22}a_{21}^7 + 28.00 \cdot a_{12}^6a_{11}^2a_{22}^2a_{21}^6 - 56.00 \cdot a_{12}^5a_{11}^3a_{22}^3a_{21}^5 + 70.00 \cdot a_{12}^4a_{11}^4a_{22}^4a_{21}^4 - 56.00 \cdot a_{12}^3a_{11}^5a_{22}^5a_{21}^3 + 28.00 \cdot a_{12}^2a_{11}^6a_{22}^6a_{21}^2 - 8.00 \cdot a_{12}a_{11}^7a_{22}^7a_{21} + a_{11}^8a_{22}^8 \geq 0$$

$$-a_{12}^8a_{21}^8 + 8.00 \cdot a_{12}^7a_{11}a_{22}a_{21}^7 - 28.00 \cdot a_{12}^6a_{11}^2a_{22}^2a_{21}^6 + 56.00 \cdot a_{12}^5a_{11}^3a_{22}^3a_{21}^5 - 70.00 \cdot a_{12}^4a_{11}^4a_{22}^4a_{21}^4 + 56.00 \cdot a_{12}^3a_{11}^5a_{22}^5a_{21}^3 - 28.00 \cdot a_{12}^2a_{11}^6a_{22}^6a_{21}^2 + 8.00 \cdot a_{12}a_{11}^7a_{22}^7a_{21} - a_{11}^8a_{22}^8 > 0$$

pot #55:

symbol a_{12} : $(-0.0, inf)$

symbol c_1 : $(-0.0, inf)$

symbol c_2 : $(-inf, 0.0)$

symbol a_{11} : $(-inf, 0.0)$

symbol a_{22} : $(-inf, 0.0)$

symbol b_1 : -0.0

symbol b_2 : -0.0

symbol a_{21} : $(-0.0, inf)$

$$-c_1a_{12} + c_2a_{11} > 0$$

$$a_{12}a_{21} - a_{11}a_{22} > 0$$

$$c_2a_{21} - c_1a_{22} > 0$$

$$-a_{12}^3a_{21}^3 + 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 - 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} + a_{11}^3a_{22}^3 \geq 0$$

$$a_{12}^2a_{21}^2 - 2.00 \cdot a_{12}a_{11}a_{22}a_{21} + a_{11}^2a_{22}^2 > 0$$

$$a_{12}c_2a_{21}^2 - c_1a_{12}a_{22}a_{21} - c_2a_{11}a_{22}a_{21} + c_1a_{11}a_{22}^2 \geq 0$$

$$a_{12}^3a_{21}^3 - 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 + 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} - a_{11}^3a_{22}^3 > 0$$

$$-a_{12}^3a_{21}^3 + 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 - 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} + a_{11}^3a_{22}^3 > 0$$

$$-a_{12}^8a_{21}^8 + 8.00 \cdot a_{12}^7a_{11}a_{22}a_{21}^7 - 28.00 \cdot a_{12}^6a_{11}^2a_{22}^2a_{21}^6 + 56.00 \cdot a_{12}^5a_{11}^3a_{22}^3a_{21}^5 - 70.00 \cdot a_{12}^4a_{11}^4a_{22}^4a_{21}^4 +$$

$$\begin{aligned}
& 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - a_{11}^8 a_{22}^8 \geq 0 \\
& a_{12}^8 a_{21}^8 - 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 - \\
& 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + a_{11}^8 a_{22}^8 > 0
\end{aligned}$$

pot #56:

symbol a_{12} : $(-0.0, inf)$

symbol c_1 : $(-0.0, inf)$

symbol c_2 : $(-inf, 0.0)$

symbol a_{11} : $(-inf, 0.0)$

symbol a_{22} : $(-inf, 0.0)$

symbol b_1 : $[-0.0, inf)$

symbol b_2 : -0.0

symbol a_{21} : $(-0.0, inf)$

$$-c_1 a_{12} + c_2 a_{11} > 0$$

$$a_{12} a_{21} - a_{11} a_{22} > 0$$

$$c_2 a_{21} - c_1 a_{22} > 0$$

$$-a_{12}^3 a_{21}^3 + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 \geq 0$$

$$a_{12}^2 a_{21}^2 - 2.00 \cdot a_{12} a_{11} a_{22} a_{21} + a_{11}^2 a_{22}^2 > 0$$

$$a_{12} c_2 a_{21}^2 - c_1 a_{12} a_{22} a_{21} - c_2 a_{11} a_{22} a_{21} + c_1 a_{11} a_{22}^2 \geq 0$$

$$-a_{12}^3 a_{21}^3 + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 > 0$$

$$a_{12}^3 a_{21}^3 - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 > 0$$

$$a_{12}^8 a_{21}^8 - 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 -$$

$$56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + a_{11}^8 a_{22}^8 \geq 0$$

$$a_{12}^8 a_{21}^8 - 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 -$$

$$56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + a_{11}^8 a_{22}^8 > 0$$

pot #57:

symbol a_{12} : $(-0.0, inf)$

symbol c_1 : $(-0.0, inf)$

symbol c_2 : $(-inf, 0.0)$

symbol a_{11} : $(-inf, 0.0)$

symbol a_{22} : $(-inf, 0.0)$

symbol b_1 : $[-0.0, inf)$

symbol b_2 : -0.0

symbol a_{21} : $(-0.0, inf)$

$$-c_1 a_{12} + c_2 a_{11} > 0$$

$$a_{12} a_{21} - a_{11} a_{22} > 0$$

$$c_2 a_{21} - c_1 a_{22} > 0$$

$$-a_{12}^3 a_{21}^3 + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 \geq 0$$

$$a_{12}^2 a_{21}^2 - 2.00 \cdot a_{12} a_{11} a_{22} a_{21} + a_{11}^2 a_{22}^2 > 0$$

$$a_{12} c_2 a_{21}^2 - c_1 a_{12} a_{22} a_{21} - c_2 a_{11} a_{22} a_{21} + c_1 a_{11} a_{22}^2 \geq 0$$

$$-a_{12}^3 a_{21}^3 + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 > 0$$

$$a_{12}^3 a_{21}^3 - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 > 0$$

$$-a_{12}^8 a_{21}^8 + 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 +$$

$$56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - a_{11}^8 a_{22}^8 \geq 0$$

$$-a_{12}^8 a_{21}^8 + 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 +$$

$$56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - a_{11}^8 a_{22}^8 > 0$$

pot #58:

symbol a_{12} : $(-0.0, inf)$

symbol c_1 : $(-0.0, inf)$

symbol c_2 : $(-inf, 0.0)$

symbol a_{11} : $(-inf, 0.0)$

symbol $a_{22} : (-inf, 0.0)$

symbol $b_1 : -0.0$

symbol $b_2 : -0.0$

symbol $a_{21} : (-0.0, inf)$

$$-c_1 a_{12} + c_2 a_{11} > 0$$

$$a_{12} a_{21} - a_{11} a_{22} > 0$$

$$c_2 a_{21} - c_1 a_{22} > 0$$

$$-a_{12}^3 a_{21}^3 + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 \geq 0$$

$$a_{12}^2 a_{21}^2 - 2.00 \cdot a_{12} a_{11} a_{22} a_{21} + a_{11}^2 a_{22}^2 > 0$$

$$a_{12} c_2 a_{21}^2 - c_1 a_{12} a_{22} a_{21} - c_2 a_{11} a_{22} a_{21} + c_1 a_{11} a_{22}^2 \geq 0$$

$$-a_{12}^3 a_{21}^3 + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 > 0$$

$$a_{12}^3 a_{21}^3 - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 > 0$$

$$a_{12}^8 a_{21}^8 - 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 - 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + a_{11}^8 a_{22}^8 \geq 0$$

$$-a_{12}^8 a_{21}^8 + 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 + 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - a_{11}^8 a_{22}^8 > 0$$

pot #59:

symbol $a_{12} : (-0.0, inf)$

symbol $c_1 : (-0.0, inf)$

symbol $c_2 : (-inf, 0.0)$

symbol $a_{11} : (-inf, 0.0)$

symbol $a_{22} : (-inf, 0.0)$

symbol $b_1 : -0.0$

symbol $b_2 : -0.0$

symbol $a_{21} : (-0.0, inf)$

$$-c_1 a_{12} + c_2 a_{11} > 0$$

$$a_{12} a_{21} - a_{11} a_{22} > 0$$

$$c_2 a_{21} - c_1 a_{22} > 0$$

$$-a_{12}^3 a_{21}^3 + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 \geq 0$$

$$a_{12}^2 a_{21}^2 - 2.00 \cdot a_{12} a_{11} a_{22} a_{21} + a_{11}^2 a_{22}^2 > 0$$

$$a_{12} c_2 a_{21}^2 - c_1 a_{12} a_{22} a_{21} - c_2 a_{11} a_{22} a_{21} + c_1 a_{11} a_{22}^2 \geq 0$$

$$-a_{12}^3 a_{21}^3 + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 > 0$$

$$a_{12}^3 a_{21}^3 - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 > 0$$

$$-a_{12}^8 a_{21}^8 + 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 + 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - a_{11}^8 a_{22}^8 \geq 0$$

$$a_{12}^8 a_{21}^8 - 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 - 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + a_{11}^8 a_{22}^8 > 0$$

pot #60:

symbol $a_{12} : (-0.0, inf)$

symbol $c_1 : (-0.0, inf)$

symbol $c_2 : (-inf, 0.0)$

symbol $a_{11} : (-inf, 0.0)$

symbol $a_{22} : (-inf, 0.0)$

symbol $b_1 : [-0.0, inf)$

symbol $b_2 : -0.0$

symbol $a_{21} : (-0.0, inf)$

$$-c_1 a_{12} + c_2 a_{11} > 0$$

$$a_{12} a_{21} - a_{11} a_{22} > 0$$

$$c_2 a_{21} - c_1 a_{22} > 0$$

$$-a_{12}^3 a_{21}^3 + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 \geq 0$$

symbol $c_2 : (-inf, 0.0)$
 symbol $a_{11} : (-inf, 0.0)$
 symbol $a_{22} : (-inf, 0.0)$
 symbol $b_1 : -0.0$
 symbol $b_2 : -0.0$
 symbol $a_{21} : (-0.0, inf)$
 $-c_1 a_{12} + c_2 a_{11} > 0$
 $a_{12} a_{21} - a_{11} a_{22} > 0$
 $c_2 a_{21} - c_1 a_{22} > 0$
 $-a_{12}^3 a_{21}^3 + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 \geq 0$
 $a_{12}^2 a_{21}^2 - 2.00 \cdot a_{12} a_{11} a_{22} a_{21} + a_{11}^2 a_{22}^2 > 0$
 $a_{12} c_2 a_{21}^2 - c_1 a_{12} a_{22} a_{21} - c_2 a_{11} a_{22} a_{21} + c_1 a_{11} a_{22}^2 \geq 0$
 $-a_{12}^3 a_{21}^3 + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 > 0$
 $-a_{12}^8 a_{21}^8 + 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 +$
 $56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - a_{11}^8 a_{22}^8 \geq 0$
 $a_{12}^8 a_{21}^8 - 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 -$
 $56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + a_{11}^8 a_{22}^8 > 0$

x_2	$\frac{b_1 a_{21}^8 a_{12}^8 - 8.00 \cdot b_1 a_{21}^7 a_{11} a_{22} a_{12}^7 + 28.00 \cdot b_1 a_{21}^6 a_{11}^2 a_{22}^2 a_{12}^6 - 56.00 \cdot b_1 a_{21}^5 a_{11}^3 a_{22}^3 a_{12}^5 + 70.00 \cdot b_1 a_{21}^4 a_{11}^4 a_{22}^4 a_{12}^4 - 56.00 \cdot b_1 a_{21}^3 a_{11}^5 a_{22}^5 a_{12}^3 + 28.00 \cdot b_1 a_{21}^2 a_{11}^6 a_{22}^6 a_{12}^2 - 8.00 \cdot b_1 a_{21} a_{11}^7 a_{22}^7 a_{12} + a_{12}^8 a_{21}^8 - 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 - 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + a_{11}^8 a_{22}^8}{a_{12}^6 b_2 a_{21}^6 - 6.00 \cdot a_{12}^5 b_2 a_{11} a_{22} a_{21}^5 + 15.00 \cdot a_{12}^4 b_2 a_{11}^2 a_{22}^2 a_{21}^4 - 20.00 \cdot a_{12}^3 b_2 a_{11}^3 a_{22}^3 a_{21}^3 + 15.00 \cdot a_{12}^2 b_2 a_{11}^4 a_{22}^4 a_{21}^2 - 6.00 \cdot a_{12} b_2 a_{11}^5 a_{22}^5 a_{21} + b_2 a_{11}^6 a_{22}^6 a_{21}}$
x_3	$\frac{a_{12}^6 b_2 a_{21}^6 - 6.00 \cdot a_{12}^5 b_2 a_{11} a_{22} a_{21}^5 + 15.00 \cdot a_{12}^4 b_2 a_{11}^2 a_{22}^2 a_{21}^4 - 20.00 \cdot a_{12}^3 b_2 a_{11}^3 a_{22}^3 a_{21}^3 + 15.00 \cdot a_{12}^2 b_2 a_{11}^4 a_{22}^4 a_{21}^2 - 6.00 \cdot a_{12} b_2 a_{11}^5 a_{22}^5 a_{21} + b_2 a_{11}^6 a_{22}^6 a_{21}}{a_{12}^6 a_{21}^6 - 6.00 \cdot a_{12}^5 a_{11} a_{22} a_{21}^5 + 15.00 \cdot a_{12}^4 a_{11}^2 a_{22}^2 a_{21}^4 - 20.00 \cdot a_{12}^3 a_{11}^3 a_{22}^3 a_{21}^3 + 15.00 \cdot a_{12}^2 a_{11}^4 a_{22}^4 a_{21}^2 - 6.00 \cdot a_{12} a_{11}^5 a_{22}^5 a_{21} + a_{11}^6 a_{22}^6 a_{21}}$
Ψ	0.0

Table #0.1.0.-1

pots:

pot #0:

symbol $a_{12} : (-0.0, inf)$

symbol $c_1 : [-0.0, inf)$

symbol $c_2 : (-inf, 0.0)$

symbol $a_{11} : (-inf, 0.0]$

symbol $a_{22} : (-inf, 0.0)$

symbol $b_1 : [-0.0, inf)$

symbol $b_2 : [-0.0, inf)$

symbol $a_{21} : (-0.0, inf)$

$$-c_1 a_{12} + c_2 a_{11} > 0$$

$$a_{12} a_{21} - a_{11} a_{22} > 0$$

$$c_2 a_{21} - c_1 a_{22} > 0$$

$$a_{12}^3 a_{21}^3 - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 \geq 0$$

$$a_{12}^2 a_{21}^2 - 2.00 \cdot a_{12} a_{11} a_{22} a_{21} + a_{11}^2 a_{22}^2 > 0$$

$$a_{12} c_2 a_{21}^2 - c_1 a_{12} a_{22} a_{21} - c_2 a_{11} a_{22} a_{21} + c_1 a_{11} a_{22}^2 \geq 0$$

$$-a_{12}^3 a_{21}^3 + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 \geq 0$$

$$a_{12}^3 a_{21}^3 - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 > 0$$

pot #1:

symbol $a_{12} : (-0.0, inf)$

symbol $c_1 : [-0.0, inf)$

symbol $c_2 : (-inf, 0.0)$

symbol $a_{11} : (-inf, 0.0]$

symbol $a_{22} : (-inf, 0.0)$

symbol $b_1 : [-0.0, inf)$

symbol $b_2 : [-0.0, inf)$

symbol $a_{21} : (-0.0, inf)$

$$-c_1 a_{12} + c_2 a_{11} > 0$$

$$a_{12} a_{21} - a_{11} a_{22} > 0$$

$$c_2 a_{21} - c_1 a_{22} > 0$$

$$a_{12}^3 a_{21}^3 - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 \geq 0$$

$$a_{12}^2 a_{21}^2 - 2.00 \cdot a_{12} a_{11} a_{22} a_{21} + a_{11}^2 a_{22}^2 > 0$$

$$a_{12} c_2 a_{21}^2 - c_1 a_{12} a_{22} a_{21} - c_2 a_{11} a_{22} a_{21} + c_1 a_{11} a_{22}^2 \geq 0$$

$$-a_{12}^3 a_{21}^3 + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 > 0$$

pot #2:

symbol $a_{12} : (-0.0, inf)$

symbol $c_1 : [-0.0, inf)$

symbol $c_2 : (-inf, 0.0)$

symbol $a_{11} : (-inf, 0.0]$

symbol $a_{22} : (-inf, 0.0)$

symbol $b_1 : [-0.0, inf)$

symbol $b_2 : [-0.0, inf)$

symbol $a_{21} : (-0.0, inf)$

$$-c_1 a_{12} + c_2 a_{11} > 0$$

$$a_{12} a_{21} - a_{11} a_{22} > 0$$

$$c_2 a_{21} - c_1 a_{22} > 0$$

$$-a_{12}^3 a_{21}^3 + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 \geq 0$$

$$-a_{12}^2 a_{21}^2 + 2.00 \cdot a_{12} a_{11} a_{22} a_{21} - a_{11}^2 a_{22}^2 > 0$$

$$a_{12} c_2 a_{21}^2 - c_1 a_{12} a_{22} a_{21} - c_2 a_{11} a_{22} a_{21} + c_1 a_{11} a_{22}^2 \geq 0$$

$$a_{12}^3 a_{21}^3 - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 > 0$$

pot #3:

symbol $a_{12} : (-0.0, inf)$

symbol $c_1 : [-0.0, inf)$

symbol $c_2 : (-inf, 0.0)$

symbol $a_{11} : (-inf, 0.0]$

symbol $a_{22} : (-inf, 0.0)$

symbol $b_1 : [-0.0, inf)$

symbol $b_2 : [-0.0, inf)$

symbol $a_{21} : (-0.0, inf)$

$$-c_1 a_{12} + c_2 a_{11} > 0$$

$$a_{12} a_{21} - a_{11} a_{22} > 0$$

$$c_2 a_{21} - c_1 a_{22} > 0$$

$$-a_{12}^3 a_{21}^3 + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 \geq 0$$

$$-a_{12}^2 a_{21}^2 + 2.00 \cdot a_{12} a_{11} a_{22} a_{21} - a_{11}^2 a_{22}^2 > 0$$

$$a_{12} c_2 a_{21}^2 - c_1 a_{12} a_{22} a_{21} - c_2 a_{11} a_{22} a_{21} + c_1 a_{11} a_{22}^2 \geq 0$$

$$a_{12}^3 a_{21}^3 - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 \geq 0$$

$$-a_{12}^3 a_{21}^3 + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 > 0$$

pot #4:

symbol $a_{12} : (-0.0, inf)$

symbol $c_1 : [-0.0, inf)$

symbol $c_2 : (-inf, 0.0)$

symbol $a_{11} : (-inf, 0.0]$

symbol $a_{22} : (-inf, 0.0)$

symbol $b_1 : [-0.0, inf)$

symbol $b_2 : -0.0$

symbol $a_{21} : (-0.0, inf)$

$$-c_1 a_{12} + c_2 a_{11} > 0$$

$$a_{12} a_{21} - a_{11} a_{22} > 0$$

$$c_2 a_{21} - c_1 a_{22} > 0$$

$$a_{12}^3 a_{21}^3 - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 \geq 0$$

$$-a_{12}^2 a_{21}^2 + 2.00 \cdot a_{12} a_{11} a_{22} a_{21} - a_{11}^2 a_{22}^2 > 0$$

$$a_{12} c_2 a_{21}^2 - c_1 a_{12} a_{22} a_{21} - c_2 a_{11} a_{22} a_{21} + c_1 a_{11} a_{22}^2 \geq 0$$

$$-a_{12}^3 a_{21}^3 + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 \geq 0$$

$$a_{12}^3 a_{21}^3 - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 > 0$$

pot #5:

symbol $a_{12} : (-0.0, inf)$

symbol $c_1 : [-0.0, inf)$

symbol $c_2 : (-inf, 0.0)$

symbol $a_{11} : (-inf, 0.0]$

symbol $a_{22} : (-inf, 0.0)$

symbol $b_1 : [-0.0, inf)$

symbol $b_2 : -0.0$

symbol $a_{21} : (-0.0, inf)$

$$-c_1 a_{12} + c_2 a_{11} > 0$$

$$a_{12} a_{21} - a_{11} a_{22} > 0$$

$$c_2 a_{21} - c_1 a_{22} > 0$$

$$a_{12}^3 a_{21}^3 - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 \geq 0$$

$$-a_{12}^2 a_{21}^2 + 2.00 \cdot a_{12} a_{11} a_{22} a_{21} - a_{11}^2 a_{22}^2 > 0$$

$$a_{12} c_2 a_{21}^2 - c_1 a_{12} a_{22} a_{21} - c_2 a_{11} a_{22} a_{21} + c_1 a_{11} a_{22}^2 \geq 0$$

$$-a_{12}^3 a_{21}^3 + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 > 0$$

pot #6:

symbol $a_{12} : (-0.0, inf)$

symbol $c_1 : [-0.0, inf)$

symbol $c_2 : (-inf, 0.0)$

symbol $a_{11} : (-inf, 0.0]$

symbol $a_{22} : (-inf, 0.0)$

symbol $b_1 : [-0.0, inf)$

symbol $b_2 : -0.0$

symbol $a_{21} : (-0.0, inf)$

$$-c_1 a_{12} + c_2 a_{11} > 0$$

$$a_{12} a_{21} - a_{11} a_{22} > 0$$

$$c_2 a_{21} - c_1 a_{22} > 0$$

$$-a_{12}^3 a_{21}^3 + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 \geq 0$$

$$a_{12}^2 a_{21}^2 - 2.00 \cdot a_{12} a_{11} a_{22} a_{21} + a_{11}^2 a_{22}^2 > 0$$

$$a_{12} c_2 a_{21}^2 - c_1 a_{12} a_{22} a_{21} - c_2 a_{11} a_{22} a_{21} + c_1 a_{11} a_{22}^2 \geq 0$$

$$a_{12}^3 a_{21}^3 - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 > 0$$

pot #7:

symbol $a_{12} : (-0.0, inf)$

symbol $c_1 : [-0.0, inf)$

symbol $c_2 : (-inf, 0.0)$

symbol $a_{11} : (-inf, 0.0]$

symbol $a_{22} : (-inf, 0.0)$

symbol $b_1 : [-0.0, inf)$

symbol $b_2 : -0.0$

symbol $a_{21} : (-0.0, inf)$

$$-c_1 a_{12} + c_2 a_{11} > 0$$

$$a_{12} a_{21} - a_{11} a_{22} > 0$$

$$c_2 a_{21} - c_1 a_{22} > 0$$

$$-a_{12}^3 a_{21}^3 + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 \geq 0$$

$$a_{12}^2 a_{21}^2 - 2.00 \cdot a_{12} a_{11} a_{22} a_{21} + a_{11}^2 a_{22}^2 > 0$$

$$a_{12} c_2 a_{21}^2 - c_1 a_{12} a_{22} a_{21} - c_2 a_{11} a_{22} a_{21} + c_1 a_{11} a_{22}^2 \geq 0$$

$$a_{12}^3 a_{21}^3 - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 \geq 0$$

$$-a_{12}^3 a_{21}^3 + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 > 0$$

		x_0	x_1	
x_2	$\frac{b_1 a_{12} a_{21}^2 - b_1 a_{11} a_{22} a_{21} - a_{12} b_2 a_{11} a_{21} + b_2 a_{11}^2 a_{22}}{a_{12} a_{21}^2 - a_{11} a_{22} a_{21}}$	0.0	$\frac{a_{12} a_{21} - a_{11} a_{22}}{a_{21}}$	1
x_0	$\frac{a_{12}^3 b_2 a_{21}^3 - 3.00 \cdot a_{12}^2 b_2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} b_2 a_{11}^2 a_{22}^2 a_{21} - b_2 a_{11}^3 a_{22}^3}{a_{12}^3 a_{21}^4 - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^3 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 a_{21}}$	1.00	$\frac{a_{12} a_{22} a_{21} - a_{11} a_{22}^2}{a_{12} a_{21}^2 - a_{11} a_{22} a_{21}}$	
Ψ	$\frac{-c_1 a_{12}^3 b_2 a_{21}^3 + 3.00 \cdot a_{12}^2 c_1 a_{11} a_{22} b_2 a_{21}^2 - 3.00 \cdot a_{12} c_1 a_{11}^2 a_{22}^2 b_2 a_{21} + c_1 b_2 a_{11}^3 a_{22}^3}{a_{12}^3 a_{21}^4 - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^3 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 a_{21}}$	0.0	$\frac{a_{12} c_2 a_{21}^2 - c_1 a_{12} a_{22} a_{21} - c_2 a_{11} a_{22} a_{21} + c_1 a_{11} a_{22}^2}{a_{12} a_{21}^2 - a_{11} a_{22} a_{21}}$	

Table #0.1.1

Moving out basis: x_0 from line: 1

Moving to basis: x_2

pots:

pot #0:

symbol a_{12} : $(-0.0, inf)$

symbol c_1 : $[-0.0, inf)$

symbol c_2 : $(-inf, 0.0)$

symbol a_{11} : $(-inf, 0.0]$

symbol a_{22} : $(-inf, 0.0)$

symbol b_1 : $[-0.0, inf)$

symbol b_2 : $[-0.0, inf)$

symbol a_{21} : $(-0.0, inf)$

$$-c_1 a_{12} + c_2 a_{11} > 0$$

$$a_{12} a_{21} - a_{11} a_{22} > 0$$

$$c_2 a_{21} - c_1 a_{22} > 0$$

$$3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 - a_{12}^3 a_{21}^3 \geq 0$$

$$a_{12}^2 a_{21}^2 - 2.00 \cdot a_{12} a_{11} a_{22} a_{21} + a_{11}^2 a_{22}^2 > 0$$

pot #1:

symbol a_{12} : $(-0.0, inf)$

symbol c_1 : $[-0.0, inf)$

symbol c_2 : $(-inf, 0.0)$

symbol a_{11} : $(-inf, 0.0]$

symbol a_{22} : $(-inf, 0.0)$

symbol b_1 : $[-0.0, inf)$

symbol b_2 : $[-0.0, inf)$

symbol a_{21} : $(-0.0, inf)$

$$-c_1 a_{12} + c_2 a_{11} > 0$$

$$a_{12} a_{21} - a_{11} a_{22} > 0$$

$$c_2 a_{21} - c_1 a_{22} > 0$$

$$-3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 + a_{12}^3 a_{21}^3 \geq 0$$

$$-a_{12}^2 a_{21}^2 + 2.00 \cdot a_{12} a_{11} a_{22} a_{21} - a_{11}^2 a_{22}^2 > 0$$

pot #2:

symbol a_{12} : $(-0.0, inf)$

symbol c_1 : $[-0.0, inf)$

symbol c_2 : $(-inf, 0.0)$

symbol a_{11} : $(-inf, 0.0]$

symbol a_{22} : $(-inf, 0.0)$

symbol b_1 : $[-0.0, inf)$

symbol b_2 : -0.0

symbol a_{21} : $(-0.0, inf)$

$$-c_1 a_{12} + c_2 a_{11} > 0$$

$$a_{12} a_{21} - a_{11} a_{22} > 0$$

$$c_2 a_{21} - c_1 a_{22} > 0$$

$$3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 - a_{12}^3 a_{21}^3 \geq 0$$

$$-a_{12}^2 a_{21}^2 + 2.00 \cdot a_{12} a_{11} a_{22} a_{21} - a_{11}^2 a_{22}^2 > 0$$

pot #3:

symbol a_{12} : $(-0.0, inf)$

symbol c_1 : $[-0.0, inf)$

symbol $c_2 : (-inf, 0.0)$
symbol $a_{11} : (-inf, 0.0]$
symbol $a_{22} : (-inf, 0.0)$
symbol $b_1 : [-0.0, inf)$
symbol $b_2 : -0.0$
symbol $a_{21} : (-0.0, inf)$
 $-c_1 a_{12} + c_2 a_{11} > 0$
 $a_{12} a_{21} - a_{11} a_{22} > 0$
 $c_2 a_{21} - c_1 a_{22} > 0$
 $-3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 + a_{12}^3 a_{21}^3 \geq 0$
 $a_{12}^2 a_{21}^2 - 2.00 \cdot a_{12} a_{11} a_{22} a_{21} + a_{11}^2 a_{22}^2 > 0$

		x_0	x_1	
x_1	$\frac{3.00 \cdot a_{12}^2 b_2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} b_2 a_{11}^2 a_{22}^2 a_{21} + b_2 a_{11}^3 a_{22}^3 - a_{12}^3 b_2 a_{21}^3}{-a_{12}^3 a_{22} a_{21}^3 + 3.00 \cdot a_{12}^2 a_{11} a_{22}^2 a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^3 a_{21} + a_{11}^3 a_{22}^4}$	$\frac{-a_{12} a_{21}^2 + a_{11} a_{22} a_{21}}{-a_{12} a_{22} a_{21} + a_{11} a_{22}^2}$	1.00	
x_2	$\frac{a_{12}^2 b_2 a_{21} - a_{12} b_2 a_{11} a_{22} - b_1 a_{21} a_{22} a_{12} + b_1 a_{11} a_{22}^2}{-a_{12} a_{22} a_{21} + a_{11} a_{22}^2}$	$\frac{a_{12} a_{21} - a_{11} a_{22}}{-a_{22}}$	0.0	1
Ψ	$\frac{-3.00 \cdot a_{12}^2 c_2 a_{11} a_{22} b_2 a_{21}^2 + 3.00 \cdot a_{12} c_2 a_{11}^2 a_{22}^2 b_2 a_{21} - b_2 c_2 a_{11}^3 a_{22}^3 + a_{12}^3 b_2 c_2 a_{21}^3}{-a_{12}^3 a_{22} a_{21}^3 + 3.00 \cdot a_{12}^2 a_{11} a_{22}^2 a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^3 a_{21} + a_{11}^3 a_{22}^4}$	$\frac{a_{12} c_2 a_{21}^2 - c_1 a_{12} a_{22} a_{21} - c_2 a_{11} a_{22} a_{21} + c_1 a_{11} a_{22}^2}{-a_{12} a_{22} a_{21} + a_{11} a_{22}^2}$	0.0	

Table #0.1.1.1

Moving out basis: x_2 from line: 1

Moving to basis: x_0

pots:

pot #0:

symbol a_{12} : $(-0.0, inf)$

symbol c_1 : $[-0.0, inf)$

symbol c_2 : $(-inf, 0.0)$

symbol a_{11} : $(-inf, 0.0]$

symbol a_{22} : $(-inf, 0.0)$

symbol b_1 : $[-0.0, inf)$

symbol b_2 : $[-0.0, inf)$

symbol a_{21} : $(-0.0, inf)$

$$-c_1 a_{12} + c_2 a_{11} > 0$$

$$a_{12} a_{21} - a_{11} a_{22} > 0$$

$$c_2 a_{21} - c_1 a_{22} > 0$$

$$3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 - a_{12}^3 a_{21}^3 \geq 0$$

$$a_{12}^2 a_{21}^2 - 2.00 \cdot a_{12} a_{11} a_{22} a_{21} + a_{11}^2 a_{22}^2 > 0$$

$$-a_{12} c_2 a_{21}^2 + c_1 a_{12} a_{22} a_{21} + c_2 a_{11} a_{22} a_{21} - c_1 a_{11} a_{22}^2 > 0$$

$$a_{12} a_{21} - a_{11} a_{22} \geq 0$$

pot #1:

symbol a_{12} : $(-0.0, inf)$

symbol c_1 : $[-0.0, inf)$

symbol c_2 : $(-inf, 0.0)$

symbol a_{11} : $(-inf, 0.0]$

symbol a_{22} : $(-inf, 0.0)$

symbol b_1 : $[-0.0, inf)$

symbol b_2 : $[-0.0, inf)$

symbol a_{21} : $(-0.0, inf)$

$$-c_1 a_{12} + c_2 a_{11} > 0$$

$$a_{12} a_{21} - a_{11} a_{22} > 0$$

$$c_2 a_{21} - c_1 a_{22} > 0$$

$$-3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 + a_{12}^3 a_{21}^3 \geq 0$$

$$-a_{12}^2 a_{21}^2 + 2.00 \cdot a_{12} a_{11} a_{22} a_{21} - a_{11}^2 a_{22}^2 > 0$$

$$-a_{12} c_2 a_{21}^2 + c_1 a_{12} a_{22} a_{21} + c_2 a_{11} a_{22} a_{21} - c_1 a_{11} a_{22}^2 > 0$$

$$a_{12} a_{21} - a_{11} a_{22} \geq 0$$

pot #2:

symbol a_{12} : $(-0.0, inf)$

symbol c_1 : $[-0.0, inf)$

symbol c_2 : $(-inf, 0.0)$

symbol a_{11} : $(-inf, 0.0]$

symbol a_{22} : $(-inf, 0.0)$

symbol b_1 : $[-0.0, inf)$

symbol b_2 : -0.0

symbol a_{21} : $(-0.0, inf)$

$$-c_1 a_{12} + c_2 a_{11} > 0$$

$$a_{12} a_{21} - a_{11} a_{22} > 0$$

$$c_2 a_{21} - c_1 a_{22} > 0$$

$$3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 - a_{12}^3 a_{21}^3 \geq 0$$

$$\begin{aligned}
& -a_{12}^2 a_{21}^2 + 2.00 \cdot a_{12} a_{11} a_{22} a_{21} - a_{11}^2 a_{22}^2 > 0 \\
& -a_{12} c_2 a_{21}^2 + c_1 a_{12} a_{22} a_{21} + c_2 a_{11} a_{22} a_{21} - c_1 a_{11} a_{22}^2 > 0 \\
& a_{12} a_{21} - a_{11} a_{22} \geq 0 \\
& \text{pot \#3:} \\
& \text{symbol } a_{12} : (-0.0, inf) \\
& \text{symbol } c_1 : [-0.0, inf) \\
& \text{symbol } c_2 : (-inf, 0.0) \\
& \text{symbol } a_{11} : (-inf, 0.0] \\
& \text{symbol } a_{22} : (-inf, 0.0) \\
& \text{symbol } b_1 : [-0.0, inf) \\
& \text{symbol } b_2 : -0.0 \\
& \text{symbol } a_{21} : (-0.0, inf) \\
& -c_1 a_{12} + c_2 a_{11} > 0 \\
& a_{12} a_{21} - a_{11} a_{22} > 0 \\
& c_2 a_{21} - c_1 a_{22} > 0 \\
& -3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 + a_{12}^3 a_{21}^3 \geq 0 \\
& a_{12}^2 a_{21}^2 - 2.00 \cdot a_{12} a_{11} a_{22} a_{21} + a_{11}^2 a_{22}^2 > 0 \\
& -a_{12} c_2 a_{21}^2 + c_1 a_{12} a_{22} a_{21} + c_2 a_{11} a_{22} a_{21} - c_1 a_{11} a_{22}^2 > 0 \\
& a_{12} a_{21} - a_{11} a_{22} \geq 0
\end{aligned}$$

x_1	
x_0	
Ψ	$\frac{-a_{12}^5 b_2 c_2 a_{11} a_{21}^5 + 5.00 \cdot a_{12}^4 c_2 a_{11}^2 a_{22} b_2 a_{21}^4 - 10.00 \cdot a_{12}^3 c_2 a_{11}^3 a_{22}^2 b_2 a_{21}^3 + 10.00 \cdot a_{12}^2 c_2 a_{11}^4 a_{22}^3 b_2 a_{21}^2 - 5.00 \cdot a_{12} c_2 a_{11}^5 a_{22}^4 b_2 a_{21} + b_2 c_2 a_{11}^6 a_{22}^5 + c_1 a_{12}^6 b_2 a_{21}^6}{1}$

Table #0.1.1.0

Moving out basis: x_1 from line: 0

Moving to basis: x_3

pots:

pot #0:

symbol a_{12} : $(-0.0, inf)$

symbol c_1 : $[-0.0, inf)$

symbol c_2 : $(-inf, 0.0)$

symbol a_{11} : $(-inf, 0.0]$

symbol a_{22} : $(-inf, 0.0)$

symbol b_1 : $[-0.0, inf)$

symbol b_2 : $[-0.0, inf)$

symbol a_{21} : $(-0.0, inf)$

$$-c_1 a_{12} + c_2 a_{11} > 0$$

$$a_{12} a_{21} - a_{11} a_{22} > 0$$

$$c_2 a_{21} - c_1 a_{22} > 0$$

$$3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 - a_{12}^3 a_{21}^3 \geq 0$$

$$a_{12}^2 a_{21}^2 - 2.00 \cdot a_{12} a_{11} a_{22} a_{21} + a_{11}^2 a_{22}^2 > 0$$

$$a_{12} c_2 a_{21}^2 - c_1 a_{12} a_{22} a_{21} - c_2 a_{11} a_{22} a_{21} + c_1 a_{11} a_{22}^2 \geq 0$$

$$3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 - a_{12}^3 a_{21}^3 > 0$$

$$a_{12}^3 a_{21}^3 - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 > 0$$

$$-8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + a_{12}^8 a_{21}^8 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 -$$

$$56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + a_{11}^8 a_{22}^8 \geq 0$$

$$-8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + a_{12}^8 a_{21}^8 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 -$$

$$56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + a_{11}^8 a_{22}^8 > 0$$

pot #1:

symbol a_{12} : $(-0.0, inf)$

symbol c_1 : $[-0.0, inf)$

symbol c_2 : $(-inf, 0.0)$

symbol a_{11} : $(-inf, 0.0]$

symbol a_{22} : $(-inf, 0.0)$

symbol b_1 : $[-0.0, inf)$

symbol b_2 : $[-0.0, inf)$

symbol a_{21} : $(-0.0, inf)$

$$-c_1 a_{12} + c_2 a_{11} > 0$$

$$a_{12} a_{21} - a_{11} a_{22} > 0$$

$$c_2 a_{21} - c_1 a_{22} > 0$$

$$3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 - a_{12}^3 a_{21}^3 \geq 0$$

$$a_{12}^2 a_{21}^2 - 2.00 \cdot a_{12} a_{11} a_{22} a_{21} + a_{11}^2 a_{22}^2 > 0$$

$$a_{12} c_2 a_{21}^2 - c_1 a_{12} a_{22} a_{21} - c_2 a_{11} a_{22} a_{21} + c_1 a_{11} a_{22}^2 \geq 0$$

$$3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 - a_{12}^3 a_{21}^3 > 0$$

$$a_{12}^3 a_{21}^3 - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 > 0$$

$$8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - a_{12}^8 a_{21}^8 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 +$$

$$56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - a_{11}^8 a_{22}^8 \geq 0$$

$$8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - a_{12}^8 a_{21}^8 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 +$$

$$56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - a_{11}^8 a_{22}^8 > 0$$

pot #2:

symbol a_{12} : $(-0.0, inf)$

symbol c_1 : $[-0.0, inf)$

symbol $c_2 : (-inf, 0.0)$
symbol $a_{11} : (-inf, 0.0]$
symbol $a_{22} : (-inf, 0.0)$
symbol $b_1 : -0.0$
symbol $b_2 : [-0.0, inf)$
symbol $a_{21} : (-0.0, inf)$
 $-c_1 a_{12} + c_2 a_{11} > 0$
 $a_{12} a_{21} - a_{11} a_{22} > 0$
 $c_2 a_{21} - c_1 a_{22} > 0$
 $3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 - a_{12}^3 a_{21}^3 \geq 0$
 $a_{12}^2 a_{21}^2 - 2.00 \cdot a_{12} a_{11} a_{22} a_{21} + a_{11}^2 a_{22}^2 > 0$
 $a_{12} c_2 a_{21}^2 - c_1 a_{12} a_{22} a_{21} - c_2 a_{11} a_{22} a_{21} + c_1 a_{11} a_{22}^2 \geq 0$
 $3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 - a_{12}^3 a_{21}^3 > 0$
 $a_{12}^3 a_{21}^3 - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 > 0$
 $-8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + a_{12}^8 a_{21}^8 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 -$
 $56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + a_{11}^8 a_{22}^8 \geq 0$
 $8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - a_{12}^8 a_{21}^8 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 +$
 $56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - a_{11}^8 a_{22}^8 > 0$
pot #3:
symbol $a_{12} : (-0.0, inf)$
symbol $c_1 : [-0.0, inf)$
symbol $c_2 : (-inf, 0.0)$
symbol $a_{11} : (-inf, 0.0]$
symbol $a_{22} : (-inf, 0.0)$
symbol $b_1 : -0.0$
symbol $b_2 : [-0.0, inf)$
symbol $a_{21} : (-0.0, inf)$
 $-c_1 a_{12} + c_2 a_{11} > 0$
 $a_{12} a_{21} - a_{11} a_{22} > 0$
 $c_2 a_{21} - c_1 a_{22} > 0$
 $3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 - a_{12}^3 a_{21}^3 \geq 0$
 $a_{12}^2 a_{21}^2 - 2.00 \cdot a_{12} a_{11} a_{22} a_{21} + a_{11}^2 a_{22}^2 > 0$
 $a_{12} c_2 a_{21}^2 - c_1 a_{12} a_{22} a_{21} - c_2 a_{11} a_{22} a_{21} + c_1 a_{11} a_{22}^2 \geq 0$
 $3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 - a_{12}^3 a_{21}^3 > 0$
 $a_{12}^3 a_{21}^3 - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 > 0$
 $8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - a_{12}^8 a_{21}^8 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 +$
 $56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - a_{11}^8 a_{22}^8 \geq 0$
 $-8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + a_{12}^8 a_{21}^8 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 -$
 $56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + a_{11}^8 a_{22}^8 > 0$
pot #4:
symbol $a_{12} : (-0.0, inf)$
symbol $c_1 : [-0.0, inf)$
symbol $c_2 : (-inf, 0.0)$
symbol $a_{11} : (-inf, 0.0]$
symbol $a_{22} : (-inf, 0.0)$
symbol $b_1 : [-0.0, inf)$
symbol $b_2 : [-0.0, inf)$
symbol $a_{21} : (-0.0, inf)$
 $-c_1 a_{12} + c_2 a_{11} > 0$
 $a_{12} a_{21} - a_{11} a_{22} > 0$

$$8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - a_{12}^8 a_{21}^8 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 + 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - a_{11}^8 a_{22}^8 > 0$$

pot #7:

symbol a_{12} : $(-0.0, inf)$

symbol c_1 : $[-0.0, inf)$

symbol c_2 : $(-inf, 0.0)$

symbol a_{11} : $(-inf, 0.0]$

symbol a_{22} : $(-inf, 0.0)$

symbol b_1 : -0.0

symbol b_2 : $[-0.0, inf)$

symbol a_{21} : $(-0.0, inf)$

$$-c_1 a_{12} + c_2 a_{11} > 0$$

$$a_{12} a_{21} - a_{11} a_{22} > 0$$

$$c_2 a_{21} - c_1 a_{22} > 0$$

$$3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 - a_{12}^3 a_{21}^3 \geq 0$$

$$a_{12}^2 a_{21}^2 - 2.00 \cdot a_{12} a_{11} a_{22} a_{21} + a_{11}^2 a_{22}^2 > 0$$

$$a_{12} c_2 a_{21}^2 - c_1 a_{12} a_{22} a_{21} - c_2 a_{11} a_{22} a_{21} + c_1 a_{11} a_{22}^2 \geq 0$$

$$3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 - a_{12}^3 a_{21}^3 > 0$$

$$-3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 + a_{12}^3 a_{21}^3 > 0$$

$$8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - a_{12}^8 a_{21}^8 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 +$$

$$56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - a_{11}^8 a_{22}^8 \geq 0$$

$$-8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + a_{12}^8 a_{21}^8 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 -$$

$$56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + a_{11}^8 a_{22}^8 > 0$$

pot #8:

symbol a_{12} : $(-0.0, inf)$

symbol c_1 : $[-0.0, inf)$

symbol c_2 : $(-inf, 0.0)$

symbol a_{11} : $(-inf, 0.0]$

symbol a_{22} : $(-inf, 0.0)$

symbol b_1 : $[-0.0, inf)$

symbol b_2 : $[-0.0, inf)$

symbol a_{21} : $(-0.0, inf)$

$$-c_1 a_{12} + c_2 a_{11} > 0$$

$$a_{12} a_{21} - a_{11} a_{22} > 0$$

$$c_2 a_{21} - c_1 a_{22} > 0$$

$$3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 - a_{12}^3 a_{21}^3 \geq 0$$

$$a_{12}^2 a_{21}^2 - 2.00 \cdot a_{12} a_{11} a_{22} a_{21} + a_{11}^2 a_{22}^2 > 0$$

$$a_{12} c_2 a_{21}^2 - c_1 a_{12} a_{22} a_{21} - c_2 a_{11} a_{22} a_{21} + c_1 a_{11} a_{22}^2 \geq 0$$

$$-3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 + a_{12}^3 a_{21}^3 > 0$$

$$3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 - a_{12}^3 a_{21}^3 > 0$$

$$-8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + a_{12}^8 a_{21}^8 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 -$$

$$56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + a_{11}^8 a_{22}^8 \geq 0$$

$$-8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + a_{12}^8 a_{21}^8 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 -$$

$$56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + a_{11}^8 a_{22}^8 > 0$$

pot #9:

symbol a_{12} : $(-0.0, inf)$

symbol c_1 : $[-0.0, inf)$

symbol c_2 : $(-inf, 0.0)$

symbol a_{11} : $(-inf, 0.0]$

symbol a_{22} : $(-inf, 0.0)$

symbol $b_1 : [-0.0, inf)$
symbol $b_2 : [-0.0, inf)$
symbol $a_{21} : (-0.0, inf)$
 $-c_1 a_{12} + c_2 a_{11} > 0$
 $a_{12} a_{21} - a_{11} a_{22} > 0$
 $c_2 a_{21} - c_1 a_{22} > 0$
 $3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 - a_{12}^3 a_{21}^3 \geq 0$
 $a_{12}^2 a_{21}^2 - 2.00 \cdot a_{12} a_{11} a_{22} a_{21} + a_{11}^2 a_{22}^2 > 0$
 $a_{12} c_2 a_{21}^2 - c_1 a_{12} a_{22} a_{21} - c_2 a_{11} a_{22} a_{21} + c_1 a_{11} a_{22}^2 \geq 0$
 $-3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 + a_{12}^3 a_{21}^3 > 0$
 $3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 - a_{12}^3 a_{21}^3 > 0$
 $8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - a_{12}^8 a_{21}^8 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 +$
 $56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - a_{11}^8 a_{22}^8 \geq 0$
 $8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - a_{12}^8 a_{21}^8 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 +$
 $56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - a_{11}^8 a_{22}^8 > 0$
pot #10:
symbol $a_{12} : (-0.0, inf)$
symbol $c_1 : [-0.0, inf)$
symbol $c_2 : (-inf, 0.0)$
symbol $a_{11} : (-inf, 0.0]$
symbol $a_{22} : (-inf, 0.0)$
symbol $b_1 : -0.0$
symbol $b_2 : [-0.0, inf)$
symbol $a_{21} : (-0.0, inf)$
 $-c_1 a_{12} + c_2 a_{11} > 0$
 $a_{12} a_{21} - a_{11} a_{22} > 0$
 $c_2 a_{21} - c_1 a_{22} > 0$
 $3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 - a_{12}^3 a_{21}^3 \geq 0$
 $a_{12}^2 a_{21}^2 - 2.00 \cdot a_{12} a_{11} a_{22} a_{21} + a_{11}^2 a_{22}^2 > 0$
 $a_{12} c_2 a_{21}^2 - c_1 a_{12} a_{22} a_{21} - c_2 a_{11} a_{22} a_{21} + c_1 a_{11} a_{22}^2 \geq 0$
 $-3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 + a_{12}^3 a_{21}^3 > 0$
 $3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 - a_{12}^3 a_{21}^3 > 0$
 $-8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + a_{12}^8 a_{21}^8 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 -$
 $56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + a_{11}^8 a_{22}^8 \geq 0$
 $8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - a_{12}^8 a_{21}^8 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 +$
 $56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - a_{11}^8 a_{22}^8 > 0$
pot #11:
symbol $a_{12} : (-0.0, inf)$
symbol $c_1 : [-0.0, inf)$
symbol $c_2 : (-inf, 0.0)$
symbol $a_{11} : (-inf, 0.0]$
symbol $a_{22} : (-inf, 0.0)$
symbol $b_1 : -0.0$
symbol $b_2 : [-0.0, inf)$
symbol $a_{21} : (-0.0, inf)$
 $-c_1 a_{12} + c_2 a_{11} > 0$
 $a_{12} a_{21} - a_{11} a_{22} > 0$
 $c_2 a_{21} - c_1 a_{22} > 0$
 $3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 - a_{12}^3 a_{21}^3 \geq 0$
 $a_{12}^2 a_{21}^2 - 2.00 \cdot a_{12} a_{11} a_{22} a_{21} + a_{11}^2 a_{22}^2 > 0$

$$\begin{aligned}
& a_{12}c_2a_{21}^2 - c_1a_{12}a_{22}a_{21} - c_2a_{11}a_{22}a_{21} + c_1a_{11}a_{22}^2 \geq 0 \\
& -3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 + 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} - a_{11}^3a_{22}^3 + a_{12}^3a_{21}^3 > 0 \\
& 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 - 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} + a_{11}^3a_{22}^3 - a_{12}^3a_{21}^3 > 0 \\
& 8.00 \cdot a_{12}^7a_{11}a_{22}a_{21}^7 - 28.00 \cdot a_{12}^6a_{11}^2a_{22}^2a_{21}^6 + 56.00 \cdot a_{12}^5a_{11}^3a_{22}^3a_{21}^5 - a_{12}^8a_{21}^8 - 70.00 \cdot a_{12}^4a_{11}^4a_{22}^4a_{21}^4 + \\
& 56.00 \cdot a_{12}^3a_{11}^5a_{22}^5a_{21}^3 - 28.00 \cdot a_{12}^2a_{11}^6a_{22}^6a_{21}^2 + 8.00 \cdot a_{12}a_{11}^7a_{22}^7a_{21} - a_{11}^8a_{22}^8 \geq 0 \\
& -8.00 \cdot a_{12}^7a_{11}a_{22}a_{21}^7 + 28.00 \cdot a_{12}^6a_{11}^2a_{22}^2a_{21}^6 - 56.00 \cdot a_{12}^5a_{11}^3a_{22}^3a_{21}^5 + a_{12}^8a_{21}^8 + 70.00 \cdot a_{12}^4a_{11}^4a_{22}^4a_{21}^4 - \\
& 56.00 \cdot a_{12}^3a_{11}^5a_{22}^5a_{21}^3 + 28.00 \cdot a_{12}^2a_{11}^6a_{22}^6a_{21}^2 - 8.00 \cdot a_{12}a_{11}^7a_{22}^7a_{21} + a_{11}^8a_{22}^8 > 0
\end{aligned}$$

pot #12:

symbol a_{12} : $(-0.0, inf)$

symbol c_1 : $[-0.0, inf)$

symbol c_2 : $(-inf, 0.0)$

symbol a_{11} : $(-inf, 0.0]$

symbol a_{22} : $(-inf, 0.0)$

symbol b_1 : $[-0.0, inf)$

symbol b_2 : $[-0.0, inf)$

symbol a_{21} : $(-0.0, inf)$

$$-c_1a_{12} + c_2a_{11} > 0$$

$$a_{12}a_{21} - a_{11}a_{22} > 0$$

$$c_2a_{21} - c_1a_{22} > 0$$

$$3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 - 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} + a_{11}^3a_{22}^3 - a_{12}^3a_{21}^3 \geq 0$$

$$a_{12}^2a_{21}^2 - 2.00 \cdot a_{12}a_{11}a_{22}a_{21} + a_{11}^2a_{22}^2 > 0$$

$$a_{12}c_2a_{21}^2 - c_1a_{12}a_{22}a_{21} - c_2a_{11}a_{22}a_{21} + c_1a_{11}a_{22}^2 \geq 0$$

$$-3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 + 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} - a_{11}^3a_{22}^3 + a_{12}^3a_{21}^3 > 0$$

$$-a_{12}^3a_{21}^3 + 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 - 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} + a_{11}^3a_{22}^3 > 0$$

$$-8.00 \cdot a_{12}^7a_{11}a_{22}a_{21}^7 + 28.00 \cdot a_{12}^6a_{11}^2a_{22}^2a_{21}^6 - 56.00 \cdot a_{12}^5a_{11}^3a_{22}^3a_{21}^5 + a_{12}^8a_{21}^8 + 70.00 \cdot a_{12}^4a_{11}^4a_{22}^4a_{21}^4 -$$

$$56.00 \cdot a_{12}^3a_{11}^5a_{22}^5a_{21}^3 + 28.00 \cdot a_{12}^2a_{11}^6a_{22}^6a_{21}^2 - 8.00 \cdot a_{12}a_{11}^7a_{22}^7a_{21} + a_{11}^8a_{22}^8 \geq 0$$

$$-8.00 \cdot a_{12}^7a_{11}a_{22}a_{21}^7 + 28.00 \cdot a_{12}^6a_{11}^2a_{22}^2a_{21}^6 - 56.00 \cdot a_{12}^5a_{11}^3a_{22}^3a_{21}^5 + a_{12}^8a_{21}^8 + 70.00 \cdot a_{12}^4a_{11}^4a_{22}^4a_{21}^4 -$$

$$56.00 \cdot a_{12}^3a_{11}^5a_{22}^5a_{21}^3 + 28.00 \cdot a_{12}^2a_{11}^6a_{22}^6a_{21}^2 - 8.00 \cdot a_{12}a_{11}^7a_{22}^7a_{21} + a_{11}^8a_{22}^8 > 0$$

pot #13:

symbol a_{12} : $(-0.0, inf)$

symbol c_1 : $[-0.0, inf)$

symbol c_2 : $(-inf, 0.0)$

symbol a_{11} : $(-inf, 0.0]$

symbol a_{22} : $(-inf, 0.0)$

symbol b_1 : $[-0.0, inf)$

symbol b_2 : $[-0.0, inf)$

symbol a_{21} : $(-0.0, inf)$

$$-c_1a_{12} + c_2a_{11} > 0$$

$$a_{12}a_{21} - a_{11}a_{22} > 0$$

$$c_2a_{21} - c_1a_{22} > 0$$

$$3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 - 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} + a_{11}^3a_{22}^3 - a_{12}^3a_{21}^3 \geq 0$$

$$a_{12}^2a_{21}^2 - 2.00 \cdot a_{12}a_{11}a_{22}a_{21} + a_{11}^2a_{22}^2 > 0$$

$$a_{12}c_2a_{21}^2 - c_1a_{12}a_{22}a_{21} - c_2a_{11}a_{22}a_{21} + c_1a_{11}a_{22}^2 \geq 0$$

$$-3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 + 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} - a_{11}^3a_{22}^3 + a_{12}^3a_{21}^3 > 0$$

$$-a_{12}^3a_{21}^3 + 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 - 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} + a_{11}^3a_{22}^3 > 0$$

$$8.00 \cdot a_{12}^7a_{11}a_{22}a_{21}^7 - 28.00 \cdot a_{12}^6a_{11}^2a_{22}^2a_{21}^6 + 56.00 \cdot a_{12}^5a_{11}^3a_{22}^3a_{21}^5 - a_{12}^8a_{21}^8 - 70.00 \cdot a_{12}^4a_{11}^4a_{22}^4a_{21}^4 +$$

$$56.00 \cdot a_{12}^3a_{11}^5a_{22}^5a_{21}^3 - 28.00 \cdot a_{12}^2a_{11}^6a_{22}^6a_{21}^2 + 8.00 \cdot a_{12}a_{11}^7a_{22}^7a_{21} - a_{11}^8a_{22}^8 \geq 0$$

$$8.00 \cdot a_{12}^7a_{11}a_{22}a_{21}^7 - 28.00 \cdot a_{12}^6a_{11}^2a_{22}^2a_{21}^6 + 56.00 \cdot a_{12}^5a_{11}^3a_{22}^3a_{21}^5 - a_{12}^8a_{21}^8 - 70.00 \cdot a_{12}^4a_{11}^4a_{22}^4a_{21}^4 +$$

$$56.00 \cdot a_{12}^3a_{11}^5a_{22}^5a_{21}^3 - 28.00 \cdot a_{12}^2a_{11}^6a_{22}^6a_{21}^2 + 8.00 \cdot a_{12}a_{11}^7a_{22}^7a_{21} - a_{11}^8a_{22}^8 > 0$$

pot #14:

symbol $a_{12} : (-0.0, inf)$

symbol $c_1 : [-0.0, inf)$

symbol $c_2 : (-inf, 0.0)$

symbol $a_{11} : (-inf, 0.0]$

symbol $a_{22} : (-inf, 0.0)$

symbol $b_1 : -0.0$

symbol $b_2 : [-0.0, inf)$

symbol $a_{21} : (-0.0, inf)$

$$-c_1 a_{12} + c_2 a_{11} > 0$$

$$a_{12} a_{21} - a_{11} a_{22} > 0$$

$$c_2 a_{21} - c_1 a_{22} > 0$$

$$3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 - a_{12}^3 a_{21}^3 \geq 0$$

$$a_{12}^2 a_{21}^2 - 2.00 \cdot a_{12} a_{11} a_{22} a_{21} + a_{11}^2 a_{22}^2 > 0$$

$$a_{12} c_2 a_{21}^2 - c_1 a_{12} a_{22} a_{21} - c_2 a_{11} a_{22} a_{21} + c_1 a_{11} a_{22}^2 \geq 0$$

$$-3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 + a_{12}^3 a_{21}^3 > 0$$

$$-a_{12}^3 a_{21}^3 + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 > 0$$

$$-8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + a_{12}^8 a_{21}^8 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 -$$

$$56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + a_{11}^8 a_{22}^8 \geq 0$$

$$8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - a_{12}^8 a_{21}^8 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 +$$

$$56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - a_{11}^8 a_{22}^8 > 0$$

pot #15:

symbol $a_{12} : (-0.0, inf)$

symbol $c_1 : [-0.0, inf)$

symbol $c_2 : (-inf, 0.0)$

symbol $a_{11} : (-inf, 0.0]$

symbol $a_{22} : (-inf, 0.0)$

symbol $b_1 : -0.0$

symbol $b_2 : [-0.0, inf)$

symbol $a_{21} : (-0.0, inf)$

$$-c_1 a_{12} + c_2 a_{11} > 0$$

$$a_{12} a_{21} - a_{11} a_{22} > 0$$

$$c_2 a_{21} - c_1 a_{22} > 0$$

$$3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 - a_{12}^3 a_{21}^3 \geq 0$$

$$a_{12}^2 a_{21}^2 - 2.00 \cdot a_{12} a_{11} a_{22} a_{21} + a_{11}^2 a_{22}^2 > 0$$

$$a_{12} c_2 a_{21}^2 - c_1 a_{12} a_{22} a_{21} - c_2 a_{11} a_{22} a_{21} + c_1 a_{11} a_{22}^2 \geq 0$$

$$-3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 + a_{12}^3 a_{21}^3 > 0$$

$$-a_{12}^3 a_{21}^3 + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 > 0$$

$$8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - a_{12}^8 a_{21}^8 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 +$$

$$56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - a_{11}^8 a_{22}^8 \geq 0$$

$$-8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + a_{12}^8 a_{21}^8 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 -$$

$$56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + a_{11}^8 a_{22}^8 > 0$$

pot #16:

symbol $a_{12} : (-0.0, inf)$

symbol $c_1 : [-0.0, inf)$

symbol $c_2 : (-inf, 0.0)$

symbol $a_{11} : (-inf, 0.0]$

symbol $a_{22} : (-inf, 0.0)$

symbol $b_1 : [-0.0, inf)$

symbol $b_2 : [-0.0, inf)$

symbol $a_{21} : (-0.0, inf)$

$$-c_1 a_{12} + c_2 a_{11} > 0$$

$$a_{12} a_{21} - a_{11} a_{22} > 0$$

$$c_2 a_{21} - c_1 a_{22} > 0$$

$$-3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 + a_{12}^3 a_{21}^3 \geq 0$$

$$-a_{12}^2 a_{21}^2 + 2.00 \cdot a_{12} a_{11} a_{22} a_{21} - a_{11}^2 a_{22}^2 > 0$$

$$a_{12} c_2 a_{21}^2 - c_1 a_{12} a_{22} a_{21} - c_2 a_{11} a_{22} a_{21} + c_1 a_{11} a_{22}^2 \geq 0$$

$$3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 - a_{12}^3 a_{21}^3 > 0$$

$$a_{12}^3 a_{21}^3 - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 > 0$$

$$-8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + a_{12}^8 a_{21}^8 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 -$$

$$56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + a_{11}^8 a_{22}^8 \geq 0$$

$$-8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + a_{12}^8 a_{21}^8 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 -$$

$$56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + a_{11}^8 a_{22}^8 > 0$$

pot #17:

symbol a_{12} : $(-0.0, inf)$

symbol c_1 : $[-0.0, inf)$

symbol c_2 : $(-inf, 0.0)$

symbol a_{11} : $(-inf, 0.0]$

symbol a_{22} : $(-inf, 0.0)$

symbol b_1 : $[-0.0, inf)$

symbol b_2 : $[-0.0, inf)$

symbol a_{21} : $(-0.0, inf)$

$$-c_1 a_{12} + c_2 a_{11} > 0$$

$$a_{12} a_{21} - a_{11} a_{22} > 0$$

$$c_2 a_{21} - c_1 a_{22} > 0$$

$$-3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 + a_{12}^3 a_{21}^3 \geq 0$$

$$-a_{12}^2 a_{21}^2 + 2.00 \cdot a_{12} a_{11} a_{22} a_{21} - a_{11}^2 a_{22}^2 > 0$$

$$a_{12} c_2 a_{21}^2 - c_1 a_{12} a_{22} a_{21} - c_2 a_{11} a_{22} a_{21} + c_1 a_{11} a_{22}^2 \geq 0$$

$$3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 - a_{12}^3 a_{21}^3 > 0$$

$$a_{12}^3 a_{21}^3 - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 > 0$$

$$8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - a_{12}^8 a_{21}^8 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 +$$

$$56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - a_{11}^8 a_{22}^8 \geq 0$$

$$8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - a_{12}^8 a_{21}^8 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 +$$

$$56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - a_{11}^8 a_{22}^8 > 0$$

pot #18:

symbol a_{12} : $(-0.0, inf)$

symbol c_1 : $[-0.0, inf)$

symbol c_2 : $(-inf, 0.0)$

symbol a_{11} : $(-inf, 0.0]$

symbol a_{22} : $(-inf, 0.0)$

symbol b_1 : -0.0

symbol b_2 : $[-0.0, inf)$

symbol a_{21} : $(-0.0, inf)$

$$-c_1 a_{12} + c_2 a_{11} > 0$$

$$a_{12} a_{21} - a_{11} a_{22} > 0$$

$$c_2 a_{21} - c_1 a_{22} > 0$$

$$-3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 + a_{12}^3 a_{21}^3 \geq 0$$

$$-a_{12}^2 a_{21}^2 + 2.00 \cdot a_{12} a_{11} a_{22} a_{21} - a_{11}^2 a_{22}^2 > 0$$

$$a_{12} c_2 a_{21}^2 - c_1 a_{12} a_{22} a_{21} - c_2 a_{11} a_{22} a_{21} + c_1 a_{11} a_{22}^2 \geq 0$$

$$3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 - a_{12}^3 a_{21}^3 > 0$$

$$a_{12}^3 a_{21}^3 - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 > 0$$

$$\begin{aligned}
& -8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + a_{12}^8 a_{21}^8 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 - \\
& 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + a_{11}^8 a_{22}^8 \geq 0 \\
& 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - a_{12}^8 a_{21}^8 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 + \\
& 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - a_{11}^8 a_{22}^8 > 0
\end{aligned}$$

pot #19:

symbol a_{12} : $(-0.0, inf)$

symbol c_1 : $[-0.0, inf)$

symbol c_2 : $(-inf, 0.0)$

symbol a_{11} : $(-inf, 0.0]$

symbol a_{22} : $(-inf, 0.0)$

symbol b_1 : -0.0

symbol b_2 : $[-0.0, inf)$

symbol a_{21} : $(-0.0, inf)$

$$-c_1 a_{12} + c_2 a_{11} > 0$$

$$a_{12} a_{21} - a_{11} a_{22} > 0$$

$$c_2 a_{21} - c_1 a_{22} > 0$$

$$-3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 + a_{12}^3 a_{21}^3 \geq 0$$

$$-a_{12}^2 a_{21}^2 + 2.00 \cdot a_{12} a_{11} a_{22} a_{21} - a_{11}^2 a_{22}^2 > 0$$

$$a_{12} c_2 a_{21}^2 - c_1 a_{12} a_{22} a_{21} - c_2 a_{11} a_{22} a_{21} + c_1 a_{11} a_{22}^2 \geq 0$$

$$3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 - a_{12}^3 a_{21}^3 > 0$$

$$a_{12}^3 a_{21}^3 - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 > 0$$

$$8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - a_{12}^8 a_{21}^8 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 +$$

$$56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - a_{11}^8 a_{22}^8 \geq 0$$

$$-8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + a_{12}^8 a_{21}^8 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 -$$

$$56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + a_{11}^8 a_{22}^8 > 0$$

pot #20:

symbol a_{12} : $(-0.0, inf)$

symbol c_1 : $[-0.0, inf)$

symbol c_2 : $(-inf, 0.0)$

symbol a_{11} : $(-inf, 0.0]$

symbol a_{22} : $(-inf, 0.0)$

symbol b_1 : $[-0.0, inf)$

symbol b_2 : $[-0.0, inf)$

symbol a_{21} : $(-0.0, inf)$

$$-c_1 a_{12} + c_2 a_{11} > 0$$

$$a_{12} a_{21} - a_{11} a_{22} > 0$$

$$c_2 a_{21} - c_1 a_{22} > 0$$

$$-3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 + a_{12}^3 a_{21}^3 \geq 0$$

$$-a_{12}^2 a_{21}^2 + 2.00 \cdot a_{12} a_{11} a_{22} a_{21} - a_{11}^2 a_{22}^2 > 0$$

$$a_{12} c_2 a_{21}^2 - c_1 a_{12} a_{22} a_{21} - c_2 a_{11} a_{22} a_{21} + c_1 a_{11} a_{22}^2 \geq 0$$

$$3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 - a_{12}^3 a_{21}^3 > 0$$

$$-3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 + a_{12}^3 a_{21}^3 > 0$$

$$-8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + a_{12}^8 a_{21}^8 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 -$$

$$56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + a_{11}^8 a_{22}^8 \geq 0$$

$$-8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + a_{12}^8 a_{21}^8 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 -$$

$$56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + a_{11}^8 a_{22}^8 > 0$$

pot #21:

symbol a_{12} : $(-0.0, inf)$

symbol c_1 : $[-0.0, inf)$

symbol c_2 : $(-inf, 0.0)$

symbol $a_{11} : (-inf, 0.0]$
symbol $a_{22} : (-inf, 0.0)$
symbol $b_1 : [-0.0, inf)$
symbol $b_2 : [-0.0, inf)$
symbol $a_{21} : (-0.0, inf)$
 $-c_1 a_{12} + c_2 a_{11} > 0$
 $a_{12} a_{21} - a_{11} a_{22} > 0$
 $c_2 a_{21} - c_1 a_{22} > 0$
 $-3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 + a_{12}^3 a_{21}^3 \geq 0$
 $-a_{12}^2 a_{21}^2 + 2.00 \cdot a_{12} a_{11} a_{22} a_{21} - a_{11}^2 a_{22}^2 > 0$
 $a_{12} c_2 a_{21}^2 - c_1 a_{12} a_{22} a_{21} - c_2 a_{11} a_{22} a_{21} + c_1 a_{11} a_{22}^2 \geq 0$
 $3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 - a_{12}^3 a_{21}^3 > 0$
 $-3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 + a_{12}^3 a_{21}^3 > 0$
 $8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - a_{12}^8 a_{21}^8 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 +$
 $56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - a_{11}^8 a_{22}^8 \geq 0$
 $8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - a_{12}^8 a_{21}^8 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 +$
 $56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - a_{11}^8 a_{22}^8 > 0$
pot #22:
symbol $a_{12} : (-0.0, inf)$
symbol $c_1 : [-0.0, inf)$
symbol $c_2 : (-inf, 0.0)$
symbol $a_{11} : (-inf, 0.0]$
symbol $a_{22} : (-inf, 0.0)$
symbol $b_1 : -0.0$
symbol $b_2 : [-0.0, inf)$
symbol $a_{21} : (-0.0, inf)$
 $-c_1 a_{12} + c_2 a_{11} > 0$
 $a_{12} a_{21} - a_{11} a_{22} > 0$
 $c_2 a_{21} - c_1 a_{22} > 0$
 $-3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 + a_{12}^3 a_{21}^3 \geq 0$
 $-a_{12}^2 a_{21}^2 + 2.00 \cdot a_{12} a_{11} a_{22} a_{21} - a_{11}^2 a_{22}^2 > 0$
 $a_{12} c_2 a_{21}^2 - c_1 a_{12} a_{22} a_{21} - c_2 a_{11} a_{22} a_{21} + c_1 a_{11} a_{22}^2 \geq 0$
 $3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 - a_{12}^3 a_{21}^3 > 0$
 $-3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 + a_{12}^3 a_{21}^3 > 0$
 $-8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + a_{12}^8 a_{21}^8 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 -$
 $56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + a_{11}^8 a_{22}^8 \geq 0$
 $8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - a_{12}^8 a_{21}^8 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 +$
 $56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - a_{11}^8 a_{22}^8 > 0$
pot #23:
symbol $a_{12} : (-0.0, inf)$
symbol $c_1 : [-0.0, inf)$
symbol $c_2 : (-inf, 0.0)$
symbol $a_{11} : (-inf, 0.0]$
symbol $a_{22} : (-inf, 0.0)$
symbol $b_1 : -0.0$
symbol $b_2 : [-0.0, inf)$
symbol $a_{21} : (-0.0, inf)$
 $-c_1 a_{12} + c_2 a_{11} > 0$
 $a_{12} a_{21} - a_{11} a_{22} > 0$
 $c_2 a_{21} - c_1 a_{22} > 0$

$$\begin{aligned}
& -3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 + a_{12}^3 a_{21}^3 \geq 0 \\
& -a_{12}^2 a_{21}^2 + 2.00 \cdot a_{12} a_{11} a_{22} a_{21} - a_{11}^2 a_{22}^2 > 0 \\
& a_{12} c_2 a_{21}^2 - c_1 a_{12} a_{22} a_{21} - c_2 a_{11} a_{22} a_{21} + c_1 a_{11} a_{22}^2 \geq 0 \\
& 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 - a_{12}^3 a_{21}^3 > 0 \\
& -3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 + a_{12}^3 a_{21}^3 > 0 \\
& 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - a_{12}^8 a_{21}^8 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 + \\
& 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - a_{11}^8 a_{22}^8 \geq 0 \\
& -8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + a_{12}^8 a_{21}^8 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 - \\
& 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + a_{11}^8 a_{22}^8 > 0
\end{aligned}$$

pot #24:

symbol a_{12} : $(-0.0, inf)$
symbol c_1 : $[-0.0, inf)$
symbol c_2 : $(-inf, 0.0)$
symbol a_{11} : $(-inf, 0.0]$
symbol a_{22} : $(-inf, 0.0)$
symbol b_1 : $[-0.0, inf)$
symbol b_2 : $[-0.0, inf)$
symbol a_{21} : $(-0.0, inf)$

$$-c_1 a_{12} + c_2 a_{11} > 0$$

$$a_{12} a_{21} - a_{11} a_{22} > 0$$

$$c_2 a_{21} - c_1 a_{22} > 0$$

$$-3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 + a_{12}^3 a_{21}^3 \geq 0$$

$$-a_{12}^2 a_{21}^2 + 2.00 \cdot a_{12} a_{11} a_{22} a_{21} - a_{11}^2 a_{22}^2 > 0$$

$$a_{12} c_2 a_{21}^2 - c_1 a_{12} a_{22} a_{21} - c_2 a_{11} a_{22} a_{21} + c_1 a_{11} a_{22}^2 \geq 0$$

$$-3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 + a_{12}^3 a_{21}^3 > 0$$

$$3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 - a_{12}^3 a_{21}^3 > 0$$

$$-8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + a_{12}^8 a_{21}^8 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 -$$

$$56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + a_{11}^8 a_{22}^8 \geq 0$$

$$-8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + a_{12}^8 a_{21}^8 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 -$$

$$56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + a_{11}^8 a_{22}^8 > 0$$

pot #25:

symbol a_{12} : $(-0.0, inf)$

symbol c_1 : $[-0.0, inf)$

symbol c_2 : $(-inf, 0.0)$

symbol a_{11} : $(-inf, 0.0]$

symbol a_{22} : $(-inf, 0.0)$

symbol b_1 : $[-0.0, inf)$

symbol b_2 : $[-0.0, inf)$

symbol a_{21} : $(-0.0, inf)$

$$-c_1 a_{12} + c_2 a_{11} > 0$$

$$a_{12} a_{21} - a_{11} a_{22} > 0$$

$$c_2 a_{21} - c_1 a_{22} > 0$$

$$-3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 + a_{12}^3 a_{21}^3 \geq 0$$

$$-a_{12}^2 a_{21}^2 + 2.00 \cdot a_{12} a_{11} a_{22} a_{21} - a_{11}^2 a_{22}^2 > 0$$

$$a_{12} c_2 a_{21}^2 - c_1 a_{12} a_{22} a_{21} - c_2 a_{11} a_{22} a_{21} + c_1 a_{11} a_{22}^2 \geq 0$$

$$-3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 + a_{12}^3 a_{21}^3 > 0$$

$$3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 - a_{12}^3 a_{21}^3 > 0$$

$$8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - a_{12}^8 a_{21}^8 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 +$$

$$56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - a_{11}^8 a_{22}^8 \geq 0$$

$$8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - a_{12}^8 a_{21}^8 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 +$$

$$56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - a_{11}^8 a_{22}^8 > 0$$

pot #26:

symbol a_{12} : $(-0.0, inf)$

symbol c_1 : $[-0.0, inf)$

symbol c_2 : $(-inf, 0.0)$

symbol a_{11} : $(-inf, 0.0]$

symbol a_{22} : $(-inf, 0.0)$

symbol b_1 : -0.0

symbol b_2 : $[-0.0, inf)$

symbol a_{21} : $(-0.0, inf)$

$$-c_1 a_{12} + c_2 a_{11} > 0$$

$$a_{12} a_{21} - a_{11} a_{22} > 0$$

$$c_2 a_{21} - c_1 a_{22} > 0$$

$$-3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 + a_{12}^3 a_{21}^3 \geq 0$$

$$-a_{12}^2 a_{21}^2 + 2.00 \cdot a_{12} a_{11} a_{22} a_{21} - a_{11}^2 a_{22}^2 > 0$$

$$a_{12} c_2 a_{21}^2 - c_1 a_{12} a_{22} a_{21} - c_2 a_{11} a_{22} a_{21} + c_1 a_{11} a_{22}^2 \geq 0$$

$$-3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 + a_{12}^3 a_{21}^3 > 0$$

$$3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 - a_{12}^3 a_{21}^3 > 0$$

$$-8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + a_{12}^8 a_{21}^8 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 -$$

$$56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + a_{11}^8 a_{22}^8 \geq 0$$

$$8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - a_{12}^8 a_{21}^8 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 +$$

$$56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - a_{11}^8 a_{22}^8 > 0$$

pot #27:

symbol a_{12} : $(-0.0, inf)$

symbol c_1 : $[-0.0, inf)$

symbol c_2 : $(-inf, 0.0)$

symbol a_{11} : $(-inf, 0.0]$

symbol a_{22} : $(-inf, 0.0)$

symbol b_1 : -0.0

symbol b_2 : $[-0.0, inf)$

symbol a_{21} : $(-0.0, inf)$

$$-c_1 a_{12} + c_2 a_{11} > 0$$

$$a_{12} a_{21} - a_{11} a_{22} > 0$$

$$c_2 a_{21} - c_1 a_{22} > 0$$

$$-3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 + a_{12}^3 a_{21}^3 \geq 0$$

$$-a_{12}^2 a_{21}^2 + 2.00 \cdot a_{12} a_{11} a_{22} a_{21} - a_{11}^2 a_{22}^2 > 0$$

$$a_{12} c_2 a_{21}^2 - c_1 a_{12} a_{22} a_{21} - c_2 a_{11} a_{22} a_{21} + c_1 a_{11} a_{22}^2 \geq 0$$

$$-3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 + a_{12}^3 a_{21}^3 > 0$$

$$3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 - a_{12}^3 a_{21}^3 > 0$$

$$8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - a_{12}^8 a_{21}^8 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 +$$

$$56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - a_{11}^8 a_{22}^8 \geq 0$$

$$-8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + a_{12}^8 a_{21}^8 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 -$$

$$56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + a_{11}^8 a_{22}^8 > 0$$

pot #28:

symbol a_{12} : $(-0.0, inf)$

symbol c_1 : $[-0.0, inf)$

symbol c_2 : $(-inf, 0.0)$

symbol a_{11} : $(-inf, 0.0]$

symbol a_{22} : $(-inf, 0.0)$

symbol b_1 : $[-0.0, inf)$

symbol $b_2 : [-0.0, inf)$

symbol $a_{21} : (-0.0, inf)$

$$-c_1 a_{12} + c_2 a_{11} > 0$$

$$a_{12} a_{21} - a_{11} a_{22} > 0$$

$$c_2 a_{21} - c_1 a_{22} > 0$$

$$-3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 + a_{12}^3 a_{21}^3 \geq 0$$

$$-a_{12}^2 a_{21}^2 + 2.00 \cdot a_{12} a_{11} a_{22} a_{21} - a_{11}^2 a_{22}^2 > 0$$

$$a_{12} c_2 a_{21}^2 - c_1 a_{12} a_{22} a_{21} - c_2 a_{11} a_{22} a_{21} + c_1 a_{11} a_{22}^2 \geq 0$$

$$-3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 + a_{12}^3 a_{21}^3 > 0$$

$$-a_{12}^3 a_{21}^3 + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 > 0$$

$$-8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + a_{12}^8 a_{21}^8 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 -$$

$$56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + a_{11}^8 a_{22}^8 \geq 0$$

$$-8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + a_{12}^8 a_{21}^8 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 -$$

$$56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + a_{11}^8 a_{22}^8 > 0$$

pot #29:

symbol $a_{12} : (-0.0, inf)$

symbol $c_1 : [-0.0, inf)$

symbol $c_2 : (-inf, 0.0)$

symbol $a_{11} : (-inf, 0.0]$

symbol $a_{22} : (-inf, 0.0)$

symbol $b_1 : [-0.0, inf)$

symbol $b_2 : [-0.0, inf)$

symbol $a_{21} : (-0.0, inf)$

$$-c_1 a_{12} + c_2 a_{11} > 0$$

$$a_{12} a_{21} - a_{11} a_{22} > 0$$

$$c_2 a_{21} - c_1 a_{22} > 0$$

$$-3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 + a_{12}^3 a_{21}^3 \geq 0$$

$$-a_{12}^2 a_{21}^2 + 2.00 \cdot a_{12} a_{11} a_{22} a_{21} - a_{11}^2 a_{22}^2 > 0$$

$$a_{12} c_2 a_{21}^2 - c_1 a_{12} a_{22} a_{21} - c_2 a_{11} a_{22} a_{21} + c_1 a_{11} a_{22}^2 \geq 0$$

$$-3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 + a_{12}^3 a_{21}^3 > 0$$

$$-a_{12}^3 a_{21}^3 + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 > 0$$

$$8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - a_{12}^8 a_{21}^8 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 +$$

$$56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - a_{11}^8 a_{22}^8 \geq 0$$

$$8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - a_{12}^8 a_{21}^8 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 +$$

$$56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - a_{11}^8 a_{22}^8 > 0$$

pot #30:

symbol $a_{12} : (-0.0, inf)$

symbol $c_1 : [-0.0, inf)$

symbol $c_2 : (-inf, 0.0)$

symbol $a_{11} : (-inf, 0.0]$

symbol $a_{22} : (-inf, 0.0)$

symbol $b_1 : -0.0$

symbol $b_2 : [-0.0, inf)$

symbol $a_{21} : (-0.0, inf)$

$$-c_1 a_{12} + c_2 a_{11} > 0$$

$$a_{12} a_{21} - a_{11} a_{22} > 0$$

$$c_2 a_{21} - c_1 a_{22} > 0$$

$$-3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 + a_{12}^3 a_{21}^3 \geq 0$$

$$-a_{12}^2 a_{21}^2 + 2.00 \cdot a_{12} a_{11} a_{22} a_{21} - a_{11}^2 a_{22}^2 > 0$$

$$a_{12} c_2 a_{21}^2 - c_1 a_{12} a_{22} a_{21} - c_2 a_{11} a_{22} a_{21} + c_1 a_{11} a_{22}^2 \geq 0$$

$$\begin{aligned}
& -3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 + a_{12}^3 a_{21}^3 > 0 \\
& -a_{12}^3 a_{21}^3 + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 > 0 \\
& -8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + a_{12}^8 a_{21}^8 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 - \\
& 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + a_{11}^8 a_{22}^8 \geq 0 \\
& 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - a_{12}^8 a_{21}^8 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 + \\
& 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - a_{11}^8 a_{22}^8 > 0
\end{aligned}$$

pot #31:

symbol a_{12} : $(-0.0, inf)$

symbol c_1 : $[-0.0, inf)$

symbol c_2 : $(-inf, 0.0)$

symbol a_{11} : $(-inf, 0.0]$

symbol a_{22} : $(-inf, 0.0)$

symbol b_1 : -0.0

symbol b_2 : $[-0.0, inf)$

symbol a_{21} : $(-0.0, inf)$

$$-c_1 a_{12} + c_2 a_{11} > 0$$

$$a_{12} a_{21} - a_{11} a_{22} > 0$$

$$c_2 a_{21} - c_1 a_{22} > 0$$

$$-3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 + a_{12}^3 a_{21}^3 \geq 0$$

$$-a_{12}^2 a_{21}^2 + 2.00 \cdot a_{12} a_{11} a_{22} a_{21} - a_{11}^2 a_{22}^2 > 0$$

$$a_{12} c_2 a_{21}^2 - c_1 a_{12} a_{22} a_{21} - c_2 a_{11} a_{22} a_{21} + c_1 a_{11} a_{22}^2 \geq 0$$

$$-3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 + a_{12}^3 a_{21}^3 > 0$$

$$-a_{12}^3 a_{21}^3 + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 > 0$$

$$8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - a_{12}^8 a_{21}^8 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 +$$

$$56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - a_{11}^8 a_{22}^8 \geq 0$$

$$-8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + a_{12}^8 a_{21}^8 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 -$$

$$56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + a_{11}^8 a_{22}^8 > 0$$

pot #32:

symbol a_{12} : $(-0.0, inf)$

symbol c_1 : $[-0.0, inf)$

symbol c_2 : $(-inf, 0.0)$

symbol a_{11} : $(-inf, 0.0]$

symbol a_{22} : $(-inf, 0.0)$

symbol b_1 : $[-0.0, inf)$

symbol b_2 : -0.0

symbol a_{21} : $(-0.0, inf)$

$$-c_1 a_{12} + c_2 a_{11} > 0$$

$$a_{12} a_{21} - a_{11} a_{22} > 0$$

$$c_2 a_{21} - c_1 a_{22} > 0$$

$$3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 - a_{12}^3 a_{21}^3 \geq 0$$

$$-a_{12}^2 a_{21}^2 + 2.00 \cdot a_{12} a_{11} a_{22} a_{21} - a_{11}^2 a_{22}^2 > 0$$

$$a_{12} c_2 a_{21}^2 - c_1 a_{12} a_{22} a_{21} - c_2 a_{11} a_{22} a_{21} + c_1 a_{11} a_{22}^2 \geq 0$$

$$3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 - a_{12}^3 a_{21}^3 > 0$$

$$a_{12}^3 a_{21}^3 - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 > 0$$

$$-8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + a_{12}^8 a_{21}^8 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 -$$

$$56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + a_{11}^8 a_{22}^8 \geq 0$$

$$-8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + a_{12}^8 a_{21}^8 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 -$$

$$56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + a_{11}^8 a_{22}^8 > 0$$

pot #33:

symbol a_{12} : $(-0.0, inf)$

symbol $c_1 : [-0.0, inf)$
symbol $c_2 : (-inf, 0.0)$
symbol $a_{11} : (-inf, 0.0]$
symbol $a_{22} : (-inf, 0.0)$
symbol $b_1 : [-0.0, inf)$
symbol $b_2 : -0.0$
symbol $a_{21} : (-0.0, inf)$
 $-c_1 a_{12} + c_2 a_{11} > 0$
 $a_{12} a_{21} - a_{11} a_{22} > 0$
 $c_2 a_{21} - c_1 a_{22} > 0$
 $3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 - a_{12}^3 a_{21}^3 \geq 0$
 $-a_{12}^2 a_{21}^2 + 2.00 \cdot a_{12} a_{11} a_{22} a_{21} - a_{11}^2 a_{22}^2 > 0$
 $a_{12} c_2 a_{21}^2 - c_1 a_{12} a_{22} a_{21} - c_2 a_{11} a_{22} a_{21} + c_1 a_{11} a_{22}^2 \geq 0$
 $3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 - a_{12}^3 a_{21}^3 > 0$
 $a_{12}^3 a_{21}^3 - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 > 0$
 $8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - a_{12}^8 a_{21}^8 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 +$
 $56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - a_{11}^8 a_{22}^8 \geq 0$
 $8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - a_{12}^8 a_{21}^8 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 +$
 $56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - a_{11}^8 a_{22}^8 > 0$
pot #34:
symbol $a_{12} : (-0.0, inf)$
symbol $c_1 : [-0.0, inf)$
symbol $c_2 : (-inf, 0.0)$
symbol $a_{11} : (-inf, 0.0]$
symbol $a_{22} : (-inf, 0.0)$
symbol $b_1 : -0.0$
symbol $b_2 : -0.0$
symbol $a_{21} : (-0.0, inf)$
 $-c_1 a_{12} + c_2 a_{11} > 0$
 $a_{12} a_{21} - a_{11} a_{22} > 0$
 $c_2 a_{21} - c_1 a_{22} > 0$
 $3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 - a_{12}^3 a_{21}^3 \geq 0$
 $-a_{12}^2 a_{21}^2 + 2.00 \cdot a_{12} a_{11} a_{22} a_{21} - a_{11}^2 a_{22}^2 > 0$
 $a_{12} c_2 a_{21}^2 - c_1 a_{12} a_{22} a_{21} - c_2 a_{11} a_{22} a_{21} + c_1 a_{11} a_{22}^2 \geq 0$
 $3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 - a_{12}^3 a_{21}^3 > 0$
 $a_{12}^3 a_{21}^3 - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 > 0$
 $-8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + a_{12}^8 a_{21}^8 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 -$
 $56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + a_{11}^8 a_{22}^8 \geq 0$
 $8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - a_{12}^8 a_{21}^8 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 +$
 $56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - a_{11}^8 a_{22}^8 > 0$
pot #35:
symbol $a_{12} : (-0.0, inf)$
symbol $c_1 : [-0.0, inf)$
symbol $c_2 : (-inf, 0.0)$
symbol $a_{11} : (-inf, 0.0]$
symbol $a_{22} : (-inf, 0.0)$
symbol $b_1 : -0.0$
symbol $b_2 : -0.0$
symbol $a_{21} : (-0.0, inf)$
 $-c_1 a_{12} + c_2 a_{11} > 0$

$$a_{12}a_{21} - a_{11}a_{22} > 0$$

$$c_2a_{21} - c_1a_{22} > 0$$

$$3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 - 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} + a_{11}^3a_{22}^3 - a_{12}^3a_{21}^3 \geq 0$$

$$-a_{12}^2a_{21}^2 + 2.00 \cdot a_{12}a_{11}a_{22}a_{21} - a_{11}^2a_{22}^2 > 0$$

$$a_{12}c_2a_{21}^2 - c_1a_{12}a_{22}a_{21} - c_2a_{11}a_{22}a_{21} + c_1a_{11}a_{22}^2 \geq 0$$

$$3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 - 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} + a_{11}^3a_{22}^3 - a_{12}^3a_{21}^3 > 0$$

$$a_{12}^3a_{21}^3 - 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 + 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} - a_{11}^3a_{22}^3 > 0$$

$$8.00 \cdot a_{12}^7a_{11}a_{22}a_{21}^7 - 28.00 \cdot a_{12}^6a_{11}^2a_{22}^2a_{21}^6 + 56.00 \cdot a_{12}^5a_{11}^3a_{22}^3a_{21}^5 - a_{12}^8a_{21}^8 - 70.00 \cdot a_{12}^4a_{11}^4a_{22}^4a_{21}^4 +$$

$$56.00 \cdot a_{12}^3a_{11}^5a_{22}^5a_{21}^3 - 28.00 \cdot a_{12}^2a_{11}^6a_{22}^6a_{21}^2 + 8.00 \cdot a_{12}a_{11}^7a_{22}^7a_{21} - a_{11}^8a_{22}^8 \geq 0$$

$$-8.00 \cdot a_{12}^7a_{11}a_{22}a_{21}^7 + 28.00 \cdot a_{12}^6a_{11}^2a_{22}^2a_{21}^6 - 56.00 \cdot a_{12}^5a_{11}^3a_{22}^3a_{21}^5 + a_{12}^8a_{21}^8 + 70.00 \cdot a_{12}^4a_{11}^4a_{22}^4a_{21}^4 -$$

$$56.00 \cdot a_{12}^3a_{11}^5a_{22}^5a_{21}^3 + 28.00 \cdot a_{12}^2a_{11}^6a_{22}^6a_{21}^2 - 8.00 \cdot a_{12}a_{11}^7a_{22}^7a_{21} + a_{11}^8a_{22}^8 > 0$$

pot #36:

symbol a_{12} : $(-0.0, inf)$

symbol c_1 : $[-0.0, inf)$

symbol c_2 : $(-inf, 0.0)$

symbol a_{11} : $(-inf, 0.0]$

symbol a_{22} : $(-inf, 0.0)$

symbol b_1 : $[-0.0, inf)$

symbol b_2 : -0.0

symbol a_{21} : $(-0.0, inf)$

$$-c_1a_{12} + c_2a_{11} > 0$$

$$a_{12}a_{21} - a_{11}a_{22} > 0$$

$$c_2a_{21} - c_1a_{22} > 0$$

$$3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 - 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} + a_{11}^3a_{22}^3 - a_{12}^3a_{21}^3 \geq 0$$

$$-a_{12}^2a_{21}^2 + 2.00 \cdot a_{12}a_{11}a_{22}a_{21} - a_{11}^2a_{22}^2 > 0$$

$$a_{12}c_2a_{21}^2 - c_1a_{12}a_{22}a_{21} - c_2a_{11}a_{22}a_{21} + c_1a_{11}a_{22}^2 \geq 0$$

$$3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 - 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} + a_{11}^3a_{22}^3 - a_{12}^3a_{21}^3 > 0$$

$$-3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 + 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} - a_{11}^3a_{22}^3 + a_{12}^3a_{21}^3 > 0$$

$$-8.00 \cdot a_{12}^7a_{11}a_{22}a_{21}^7 + 28.00 \cdot a_{12}^6a_{11}^2a_{22}^2a_{21}^6 - 56.00 \cdot a_{12}^5a_{11}^3a_{22}^3a_{21}^5 + a_{12}^8a_{21}^8 + 70.00 \cdot a_{12}^4a_{11}^4a_{22}^4a_{21}^4 -$$

$$56.00 \cdot a_{12}^3a_{11}^5a_{22}^5a_{21}^3 + 28.00 \cdot a_{12}^2a_{11}^6a_{22}^6a_{21}^2 - 8.00 \cdot a_{12}a_{11}^7a_{22}^7a_{21} + a_{11}^8a_{22}^8 \geq 0$$

$$-8.00 \cdot a_{12}^7a_{11}a_{22}a_{21}^7 + 28.00 \cdot a_{12}^6a_{11}^2a_{22}^2a_{21}^6 - 56.00 \cdot a_{12}^5a_{11}^3a_{22}^3a_{21}^5 + a_{12}^8a_{21}^8 + 70.00 \cdot a_{12}^4a_{11}^4a_{22}^4a_{21}^4 -$$

$$56.00 \cdot a_{12}^3a_{11}^5a_{22}^5a_{21}^3 + 28.00 \cdot a_{12}^2a_{11}^6a_{22}^6a_{21}^2 - 8.00 \cdot a_{12}a_{11}^7a_{22}^7a_{21} + a_{11}^8a_{22}^8 > 0$$

pot #37:

symbol a_{12} : $(-0.0, inf)$

symbol c_1 : $[-0.0, inf)$

symbol c_2 : $(-inf, 0.0)$

symbol a_{11} : $(-inf, 0.0]$

symbol a_{22} : $(-inf, 0.0)$

symbol b_1 : $[-0.0, inf)$

symbol b_2 : -0.0

symbol a_{21} : $(-0.0, inf)$

$$-c_1a_{12} + c_2a_{11} > 0$$

$$a_{12}a_{21} - a_{11}a_{22} > 0$$

$$c_2a_{21} - c_1a_{22} > 0$$

$$3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 - 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} + a_{11}^3a_{22}^3 - a_{12}^3a_{21}^3 \geq 0$$

$$-a_{12}^2a_{21}^2 + 2.00 \cdot a_{12}a_{11}a_{22}a_{21} - a_{11}^2a_{22}^2 > 0$$

$$a_{12}c_2a_{21}^2 - c_1a_{12}a_{22}a_{21} - c_2a_{11}a_{22}a_{21} + c_1a_{11}a_{22}^2 \geq 0$$

$$3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 - 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} + a_{11}^3a_{22}^3 - a_{12}^3a_{21}^3 > 0$$

$$-3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 + 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} - a_{11}^3a_{22}^3 + a_{12}^3a_{21}^3 > 0$$

$$8.00 \cdot a_{12}^7a_{11}a_{22}a_{21}^7 - 28.00 \cdot a_{12}^6a_{11}^2a_{22}^2a_{21}^6 + 56.00 \cdot a_{12}^5a_{11}^3a_{22}^3a_{21}^5 - a_{12}^8a_{21}^8 - 70.00 \cdot a_{12}^4a_{11}^4a_{22}^4a_{21}^4 +$$

$$\begin{aligned}
&56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - a_{11}^8 a_{22}^8 \geq 0 \\
&8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - a_{12}^8 a_{21}^8 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 + \\
&56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - a_{11}^8 a_{22}^8 > 0
\end{aligned}$$

pot #38:

symbol a_{12} : $(-0.0, inf)$

symbol c_1 : $[-0.0, inf)$

symbol c_2 : $(-inf, 0.0)$

symbol a_{11} : $(-inf, 0.0]$

symbol a_{22} : $(-inf, 0.0)$

symbol b_1 : -0.0

symbol b_2 : -0.0

symbol a_{21} : $(-0.0, inf)$

$$-c_1 a_{12} + c_2 a_{11} > 0$$

$$a_{12} a_{21} - a_{11} a_{22} > 0$$

$$c_2 a_{21} - c_1 a_{22} > 0$$

$$3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 - a_{12}^3 a_{21}^3 \geq 0$$

$$-a_{12}^2 a_{21}^2 + 2.00 \cdot a_{12} a_{11} a_{22} a_{21} - a_{11}^2 a_{22}^2 > 0$$

$$a_{12} c_2 a_{21}^2 - c_1 a_{12} a_{22} a_{21} - c_2 a_{11} a_{22} a_{21} + c_1 a_{11} a_{22}^2 \geq 0$$

$$3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 - a_{12}^3 a_{21}^3 > 0$$

$$-3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 + a_{12}^3 a_{21}^3 > 0$$

$$-8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + a_{12}^8 a_{21}^8 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 -$$

$$56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + a_{11}^8 a_{22}^8 \geq 0$$

$$8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - a_{12}^8 a_{21}^8 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 +$$

$$56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - a_{11}^8 a_{22}^8 > 0$$

pot #39:

symbol a_{12} : $(-0.0, inf)$

symbol c_1 : $[-0.0, inf)$

symbol c_2 : $(-inf, 0.0)$

symbol a_{11} : $(-inf, 0.0]$

symbol a_{22} : $(-inf, 0.0)$

symbol b_1 : -0.0

symbol b_2 : -0.0

symbol a_{21} : $(-0.0, inf)$

$$-c_1 a_{12} + c_2 a_{11} > 0$$

$$a_{12} a_{21} - a_{11} a_{22} > 0$$

$$c_2 a_{21} - c_1 a_{22} > 0$$

$$3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 - a_{12}^3 a_{21}^3 \geq 0$$

$$-a_{12}^2 a_{21}^2 + 2.00 \cdot a_{12} a_{11} a_{22} a_{21} - a_{11}^2 a_{22}^2 > 0$$

$$a_{12} c_2 a_{21}^2 - c_1 a_{12} a_{22} a_{21} - c_2 a_{11} a_{22} a_{21} + c_1 a_{11} a_{22}^2 \geq 0$$

$$3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 - a_{12}^3 a_{21}^3 > 0$$

$$-3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 + a_{12}^3 a_{21}^3 > 0$$

$$8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - a_{12}^8 a_{21}^8 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 +$$

$$56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - a_{11}^8 a_{22}^8 \geq 0$$

$$-8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + a_{12}^8 a_{21}^8 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 -$$

$$56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + a_{11}^8 a_{22}^8 > 0$$

pot #40:

symbol a_{12} : $(-0.0, inf)$

symbol c_1 : $[-0.0, inf)$

symbol c_2 : $(-inf, 0.0)$

symbol a_{11} : $(-inf, 0.0]$

symbol a_{22} : $(-inf, 0.0)$

symbol b_1 : $[-0.0, inf)$

symbol b_2 : -0.0

symbol a_{21} : $(-0.0, inf)$

$$-c_1 a_{12} + c_2 a_{11} > 0$$

$$a_{12} a_{21} - a_{11} a_{22} > 0$$

$$c_2 a_{21} - c_1 a_{22} > 0$$

$$3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 - a_{12}^3 a_{21}^3 \geq 0$$

$$-a_{12}^2 a_{21}^2 + 2.00 \cdot a_{12} a_{11} a_{22} a_{21} - a_{11}^2 a_{22}^2 > 0$$

$$a_{12} c_2 a_{21}^2 - c_1 a_{12} a_{22} a_{21} - c_2 a_{11} a_{22} a_{21} + c_1 a_{11} a_{22}^2 \geq 0$$

$$-3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 + a_{12}^3 a_{21}^3 > 0$$

$$3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 - a_{12}^3 a_{21}^3 > 0$$

$$-8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + a_{12}^8 a_{21}^8 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 -$$

$$56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + a_{11}^8 a_{22}^8 \geq 0$$

$$-8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + a_{12}^8 a_{21}^8 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 -$$

$$56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + a_{11}^8 a_{22}^8 > 0$$

pot #41:

symbol a_{12} : $(-0.0, inf)$

symbol c_1 : $[-0.0, inf)$

symbol c_2 : $(-inf, 0.0)$

symbol a_{11} : $(-inf, 0.0]$

symbol a_{22} : $(-inf, 0.0)$

symbol b_1 : $[-0.0, inf)$

symbol b_2 : -0.0

symbol a_{21} : $(-0.0, inf)$

$$-c_1 a_{12} + c_2 a_{11} > 0$$

$$a_{12} a_{21} - a_{11} a_{22} > 0$$

$$c_2 a_{21} - c_1 a_{22} > 0$$

$$3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 - a_{12}^3 a_{21}^3 \geq 0$$

$$-a_{12}^2 a_{21}^2 + 2.00 \cdot a_{12} a_{11} a_{22} a_{21} - a_{11}^2 a_{22}^2 > 0$$

$$a_{12} c_2 a_{21}^2 - c_1 a_{12} a_{22} a_{21} - c_2 a_{11} a_{22} a_{21} + c_1 a_{11} a_{22}^2 \geq 0$$

$$-3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 + a_{12}^3 a_{21}^3 > 0$$

$$3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 - a_{12}^3 a_{21}^3 > 0$$

$$8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - a_{12}^8 a_{21}^8 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 +$$

$$56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - a_{11}^8 a_{22}^8 \geq 0$$

$$8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - a_{12}^8 a_{21}^8 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 +$$

$$56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - a_{11}^8 a_{22}^8 > 0$$

pot #42:

symbol a_{12} : $(-0.0, inf)$

symbol c_1 : $[-0.0, inf)$

symbol c_2 : $(-inf, 0.0)$

symbol a_{11} : $(-inf, 0.0]$

symbol a_{22} : $(-inf, 0.0)$

symbol b_1 : -0.0

symbol b_2 : -0.0

symbol a_{21} : $(-0.0, inf)$

$$-c_1 a_{12} + c_2 a_{11} > 0$$

$$a_{12} a_{21} - a_{11} a_{22} > 0$$

$$c_2 a_{21} - c_1 a_{22} > 0$$

$$3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 - a_{12}^3 a_{21}^3 \geq 0$$

$$\begin{aligned}
& -a_{12}^2 a_{21}^2 + 2.00 \cdot a_{12} a_{11} a_{22} a_{21} - a_{11}^2 a_{22}^2 > 0 \\
& a_{12} c_2 a_{21}^2 - c_1 a_{12} a_{22} a_{21} - c_2 a_{11} a_{22} a_{21} + c_1 a_{11} a_{22}^2 \geq 0 \\
& -3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 + a_{12}^3 a_{21}^3 > 0 \\
& 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 - a_{12}^3 a_{21}^3 > 0 \\
& -8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + a_{12}^8 a_{21}^8 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 - \\
& 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + a_{11}^8 a_{22}^8 \geq 0 \\
& 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - a_{12}^8 a_{21}^8 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 + \\
& 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - a_{11}^8 a_{22}^8 > 0
\end{aligned}$$

pot #43:

symbol a_{12} : $(-0.0, inf)$

symbol c_1 : $[-0.0, inf)$

symbol c_2 : $(-inf, 0.0)$

symbol a_{11} : $(-inf, 0.0]$

symbol a_{22} : $(-inf, 0.0)$

symbol b_1 : -0.0

symbol b_2 : -0.0

symbol a_{21} : $(-0.0, inf)$

$$-c_1 a_{12} + c_2 a_{11} > 0$$

$$a_{12} a_{21} - a_{11} a_{22} > 0$$

$$c_2 a_{21} - c_1 a_{22} > 0$$

$$3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 - a_{12}^3 a_{21}^3 \geq 0$$

$$-a_{12}^2 a_{21}^2 + 2.00 \cdot a_{12} a_{11} a_{22} a_{21} - a_{11}^2 a_{22}^2 > 0$$

$$a_{12} c_2 a_{21}^2 - c_1 a_{12} a_{22} a_{21} - c_2 a_{11} a_{22} a_{21} + c_1 a_{11} a_{22}^2 \geq 0$$

$$-3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 + a_{12}^3 a_{21}^3 > 0$$

$$3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 - a_{12}^3 a_{21}^3 > 0$$

$$8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - a_{12}^8 a_{21}^8 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 +$$

$$56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - a_{11}^8 a_{22}^8 \geq 0$$

$$-8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + a_{12}^8 a_{21}^8 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 -$$

$$56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + a_{11}^8 a_{22}^8 > 0$$

pot #44:

symbol a_{12} : $(-0.0, inf)$

symbol c_1 : $[-0.0, inf)$

symbol c_2 : $(-inf, 0.0)$

symbol a_{11} : $(-inf, 0.0]$

symbol a_{22} : $(-inf, 0.0)$

symbol b_1 : $[-0.0, inf)$

symbol b_2 : -0.0

symbol a_{21} : $(-0.0, inf)$

$$-c_1 a_{12} + c_2 a_{11} > 0$$

$$a_{12} a_{21} - a_{11} a_{22} > 0$$

$$c_2 a_{21} - c_1 a_{22} > 0$$

$$3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 - a_{12}^3 a_{21}^3 \geq 0$$

$$-a_{12}^2 a_{21}^2 + 2.00 \cdot a_{12} a_{11} a_{22} a_{21} - a_{11}^2 a_{22}^2 > 0$$

$$a_{12} c_2 a_{21}^2 - c_1 a_{12} a_{22} a_{21} - c_2 a_{11} a_{22} a_{21} + c_1 a_{11} a_{22}^2 \geq 0$$

$$-3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 + a_{12}^3 a_{21}^3 > 0$$

$$-a_{12}^3 a_{21}^3 + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 > 0$$

$$-8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + a_{12}^8 a_{21}^8 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 -$$

$$56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + a_{11}^8 a_{22}^8 \geq 0$$

$$-8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + a_{12}^8 a_{21}^8 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 -$$

$$56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + a_{11}^8 a_{22}^8 > 0$$

pot #45:

symbol $a_{12} : (-0.0, inf)$

symbol $c_1 : [-0.0, inf)$

symbol $c_2 : (-inf, 0.0)$

symbol $a_{11} : (-inf, 0.0]$

symbol $a_{22} : (-inf, 0.0)$

symbol $b_1 : [-0.0, inf)$

symbol $b_2 : -0.0$

symbol $a_{21} : (-0.0, inf)$

$$-c_1 a_{12} + c_2 a_{11} > 0$$

$$a_{12} a_{21} - a_{11} a_{22} > 0$$

$$c_2 a_{21} - c_1 a_{22} > 0$$

$$3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 - a_{12}^3 a_{21}^3 \geq 0$$

$$-a_{12}^2 a_{21}^2 + 2.00 \cdot a_{12} a_{11} a_{22} a_{21} - a_{11}^2 a_{22}^2 > 0$$

$$a_{12} c_2 a_{21}^2 - c_1 a_{12} a_{22} a_{21} - c_2 a_{11} a_{22} a_{21} + c_1 a_{11} a_{22}^2 \geq 0$$

$$-3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 + a_{12}^3 a_{21}^3 > 0$$

$$-a_{12}^3 a_{21}^3 + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 > 0$$

$$8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - a_{12}^8 a_{21}^8 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 +$$

$$56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - a_{11}^8 a_{22}^8 \geq 0$$

$$8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - a_{12}^8 a_{21}^8 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 +$$

$$56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - a_{11}^8 a_{22}^8 > 0$$

pot #46:

symbol $a_{12} : (-0.0, inf)$

symbol $c_1 : [-0.0, inf)$

symbol $c_2 : (-inf, 0.0)$

symbol $a_{11} : (-inf, 0.0]$

symbol $a_{22} : (-inf, 0.0)$

symbol $b_1 : -0.0$

symbol $b_2 : -0.0$

symbol $a_{21} : (-0.0, inf)$

$$-c_1 a_{12} + c_2 a_{11} > 0$$

$$a_{12} a_{21} - a_{11} a_{22} > 0$$

$$c_2 a_{21} - c_1 a_{22} > 0$$

$$3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 - a_{12}^3 a_{21}^3 \geq 0$$

$$-a_{12}^2 a_{21}^2 + 2.00 \cdot a_{12} a_{11} a_{22} a_{21} - a_{11}^2 a_{22}^2 > 0$$

$$a_{12} c_2 a_{21}^2 - c_1 a_{12} a_{22} a_{21} - c_2 a_{11} a_{22} a_{21} + c_1 a_{11} a_{22}^2 \geq 0$$

$$-3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 + a_{12}^3 a_{21}^3 > 0$$

$$-a_{12}^3 a_{21}^3 + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 > 0$$

$$-8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + a_{12}^8 a_{21}^8 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 -$$

$$56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + a_{11}^8 a_{22}^8 \geq 0$$

$$8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - a_{12}^8 a_{21}^8 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 +$$

$$56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - a_{11}^8 a_{22}^8 > 0$$

pot #47:

symbol $a_{12} : (-0.0, inf)$

symbol $c_1 : [-0.0, inf)$

symbol $c_2 : (-inf, 0.0)$

symbol $a_{11} : (-inf, 0.0]$

symbol $a_{22} : (-inf, 0.0)$

symbol $b_1 : -0.0$

symbol $b_2 : -0.0$

symbol $a_{21} : (-0.0, inf)$

$$-c_1 a_{12} + c_2 a_{11} > 0$$

$$a_{12} a_{21} - a_{11} a_{22} > 0$$

$$c_2 a_{21} - c_1 a_{22} > 0$$

$$3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 - a_{12}^3 a_{21}^3 \geq 0$$

$$-a_{12}^2 a_{21}^2 + 2.00 \cdot a_{12} a_{11} a_{22} a_{21} - a_{11}^2 a_{22}^2 > 0$$

$$a_{12} c_2 a_{21}^2 - c_1 a_{12} a_{22} a_{21} - c_2 a_{11} a_{22} a_{21} + c_1 a_{11} a_{22}^2 \geq 0$$

$$-3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 + a_{12}^3 a_{21}^3 > 0$$

$$-a_{12}^3 a_{21}^3 + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 > 0$$

$$8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - a_{12}^8 a_{21}^8 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 +$$

$$56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - a_{11}^8 a_{22}^8 \geq 0$$

$$-8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + a_{12}^8 a_{21}^8 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 -$$

$$56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + a_{11}^8 a_{22}^8 > 0$$

pot #48:

symbol $a_{12} : (-0.0, inf)$

symbol $c_1 : [-0.0, inf)$

symbol $c_2 : (-inf, 0.0)$

symbol $a_{11} : (-inf, 0.0]$

symbol $a_{22} : (-inf, 0.0)$

symbol $b_1 : [-0.0, inf)$

symbol $b_2 : -0.0$

symbol $a_{21} : (-0.0, inf)$

$$-c_1 a_{12} + c_2 a_{11} > 0$$

$$a_{12} a_{21} - a_{11} a_{22} > 0$$

$$c_2 a_{21} - c_1 a_{22} > 0$$

$$-3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 + a_{12}^3 a_{21}^3 \geq 0$$

$$a_{12}^2 a_{21}^2 - 2.00 \cdot a_{12} a_{11} a_{22} a_{21} + a_{11}^2 a_{22}^2 > 0$$

$$a_{12} c_2 a_{21}^2 - c_1 a_{12} a_{22} a_{21} - c_2 a_{11} a_{22} a_{21} + c_1 a_{11} a_{22}^2 \geq 0$$

$$3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 - a_{12}^3 a_{21}^3 > 0$$

$$a_{12}^3 a_{21}^3 - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 > 0$$

$$-8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + a_{12}^8 a_{21}^8 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 -$$

$$56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + a_{11}^8 a_{22}^8 \geq 0$$

$$-8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + a_{12}^8 a_{21}^8 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 -$$

$$56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + a_{11}^8 a_{22}^8 > 0$$

pot #49:

symbol $a_{12} : (-0.0, inf)$

symbol $c_1 : [-0.0, inf)$

symbol $c_2 : (-inf, 0.0)$

symbol $a_{11} : (-inf, 0.0]$

symbol $a_{22} : (-inf, 0.0)$

symbol $b_1 : [-0.0, inf)$

symbol $b_2 : -0.0$

symbol $a_{21} : (-0.0, inf)$

$$-c_1 a_{12} + c_2 a_{11} > 0$$

$$a_{12} a_{21} - a_{11} a_{22} > 0$$

$$c_2 a_{21} - c_1 a_{22} > 0$$

$$-3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 + a_{12}^3 a_{21}^3 \geq 0$$

$$a_{12}^2 a_{21}^2 - 2.00 \cdot a_{12} a_{11} a_{22} a_{21} + a_{11}^2 a_{22}^2 > 0$$

$$a_{12} c_2 a_{21}^2 - c_1 a_{12} a_{22} a_{21} - c_2 a_{11} a_{22} a_{21} + c_1 a_{11} a_{22}^2 \geq 0$$

$$3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 - a_{12}^3 a_{21}^3 > 0$$

$$\begin{aligned}
& a_{12}^3 a_{21}^3 - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 > 0 \\
& 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - a_{12}^8 a_{21}^8 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 + \\
& 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - a_{11}^8 a_{22}^8 \geq 0 \\
& 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - a_{12}^8 a_{21}^8 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 + \\
& 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - a_{11}^8 a_{22}^8 > 0
\end{aligned}$$

pot #50:

symbol a_{12} : $(-0.0, inf)$

symbol c_1 : $[-0.0, inf)$

symbol c_2 : $(-inf, 0.0)$

symbol a_{11} : $(-inf, 0.0]$

symbol a_{22} : $(-inf, 0.0)$

symbol b_1 : -0.0

symbol b_2 : -0.0

symbol a_{21} : $(-0.0, inf)$

$$-c_1 a_{12} + c_2 a_{11} > 0$$

$$a_{12} a_{21} - a_{11} a_{22} > 0$$

$$c_2 a_{21} - c_1 a_{22} > 0$$

$$-3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 + a_{12}^3 a_{21}^3 \geq 0$$

$$a_{12}^2 a_{21}^2 - 2.00 \cdot a_{12} a_{11} a_{22} a_{21} + a_{11}^2 a_{22}^2 > 0$$

$$a_{12} c_2 a_{21}^2 - c_1 a_{12} a_{22} a_{21} - c_2 a_{11} a_{22} a_{21} + c_1 a_{11} a_{22}^2 \geq 0$$

$$3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 - a_{12}^3 a_{21}^3 > 0$$

$$a_{12}^3 a_{21}^3 - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 > 0$$

$$-8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + a_{12}^8 a_{21}^8 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 -$$

$$56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + a_{11}^8 a_{22}^8 \geq 0$$

$$8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - a_{12}^8 a_{21}^8 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 +$$

$$56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - a_{11}^8 a_{22}^8 > 0$$

pot #51:

symbol a_{12} : $(-0.0, inf)$

symbol c_1 : $[-0.0, inf)$

symbol c_2 : $(-inf, 0.0)$

symbol a_{11} : $(-inf, 0.0]$

symbol a_{22} : $(-inf, 0.0)$

symbol b_1 : -0.0

symbol b_2 : -0.0

symbol a_{21} : $(-0.0, inf)$

$$-c_1 a_{12} + c_2 a_{11} > 0$$

$$a_{12} a_{21} - a_{11} a_{22} > 0$$

$$c_2 a_{21} - c_1 a_{22} > 0$$

$$-3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 + a_{12}^3 a_{21}^3 \geq 0$$

$$a_{12}^2 a_{21}^2 - 2.00 \cdot a_{12} a_{11} a_{22} a_{21} + a_{11}^2 a_{22}^2 > 0$$

$$a_{12} c_2 a_{21}^2 - c_1 a_{12} a_{22} a_{21} - c_2 a_{11} a_{22} a_{21} + c_1 a_{11} a_{22}^2 \geq 0$$

$$3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 - a_{12}^3 a_{21}^3 > 0$$

$$a_{12}^3 a_{21}^3 - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 > 0$$

$$8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - a_{12}^8 a_{21}^8 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 +$$

$$56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - a_{11}^8 a_{22}^8 \geq 0$$

$$-8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + a_{12}^8 a_{21}^8 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 -$$

$$56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + a_{11}^8 a_{22}^8 > 0$$

pot #52:

symbol a_{12} : $(-0.0, inf)$

symbol c_1 : $[-0.0, inf)$

symbol $c_2 : (-inf, 0.0)$
 symbol $a_{11} : (-inf, 0.0]$
 symbol $a_{22} : (-inf, 0.0)$
 symbol $b_1 : [-0.0, inf)$
 symbol $b_2 : -0.0$
 symbol $a_{21} : (-0.0, inf)$
 $-c_1 a_{12} + c_2 a_{11} > 0$
 $a_{12} a_{21} - a_{11} a_{22} > 0$
 $c_2 a_{21} - c_1 a_{22} > 0$
 $-3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 + a_{12}^3 a_{21}^3 \geq 0$
 $a_{12}^2 a_{21}^2 - 2.00 \cdot a_{12} a_{11} a_{22} a_{21} + a_{11}^2 a_{22}^2 > 0$
 $a_{12} c_2 a_{21}^2 - c_1 a_{12} a_{22} a_{21} - c_2 a_{11} a_{22} a_{21} + c_1 a_{11} a_{22}^2 \geq 0$
 $3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 - a_{12}^3 a_{21}^3 > 0$
 $-3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 + a_{12}^3 a_{21}^3 > 0$
 $-8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + a_{12}^8 a_{21}^8 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 -$
 $56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + a_{11}^8 a_{22}^8 \geq 0$
 $-8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + a_{12}^8 a_{21}^8 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 -$
 $56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + a_{11}^8 a_{22}^8 > 0$
 pot #53:

symbol $a_{12} : (-0.0, inf)$
 symbol $c_1 : [-0.0, inf)$
 symbol $c_2 : (-inf, 0.0)$
 symbol $a_{11} : (-inf, 0.0]$
 symbol $a_{22} : (-inf, 0.0)$
 symbol $b_1 : [-0.0, inf)$
 symbol $b_2 : -0.0$
 symbol $a_{21} : (-0.0, inf)$
 $-c_1 a_{12} + c_2 a_{11} > 0$
 $a_{12} a_{21} - a_{11} a_{22} > 0$
 $c_2 a_{21} - c_1 a_{22} > 0$
 $-3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 + a_{12}^3 a_{21}^3 \geq 0$
 $a_{12}^2 a_{21}^2 - 2.00 \cdot a_{12} a_{11} a_{22} a_{21} + a_{11}^2 a_{22}^2 > 0$
 $a_{12} c_2 a_{21}^2 - c_1 a_{12} a_{22} a_{21} - c_2 a_{11} a_{22} a_{21} + c_1 a_{11} a_{22}^2 \geq 0$
 $3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 - a_{12}^3 a_{21}^3 > 0$
 $-3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 + a_{12}^3 a_{21}^3 > 0$
 $8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - a_{12}^8 a_{21}^8 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 +$
 $56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - a_{11}^8 a_{22}^8 \geq 0$
 $8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - a_{12}^8 a_{21}^8 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 +$
 $56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - a_{11}^8 a_{22}^8 > 0$
 pot #54:

symbol $a_{12} : (-0.0, inf)$
 symbol $c_1 : [-0.0, inf)$
 symbol $c_2 : (-inf, 0.0)$
 symbol $a_{11} : (-inf, 0.0]$
 symbol $a_{22} : (-inf, 0.0)$
 symbol $b_1 : -0.0$
 symbol $b_2 : -0.0$
 symbol $a_{21} : (-0.0, inf)$
 $-c_1 a_{12} + c_2 a_{11} > 0$
 $a_{12} a_{21} - a_{11} a_{22} > 0$

$$\begin{aligned}
& c_2 a_{21} - c_1 a_{22} > 0 \\
& -3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 + a_{12}^3 a_{21}^3 \geq 0 \\
& a_{12}^2 a_{21}^2 - 2.00 \cdot a_{12} a_{11} a_{22} a_{21} + a_{11}^2 a_{22}^2 > 0 \\
& a_{12} c_2 a_{21}^2 - c_1 a_{12} a_{22} a_{21} - c_2 a_{11} a_{22} a_{21} + c_1 a_{11} a_{22}^2 \geq 0 \\
& 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 - a_{12}^3 a_{21}^3 > 0 \\
& -3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 + a_{12}^3 a_{21}^3 > 0 \\
& -8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + a_{12}^8 a_{21}^8 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 - \\
& 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + a_{11}^8 a_{22}^8 \geq 0 \\
& 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - a_{12}^8 a_{21}^8 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 + \\
& 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - a_{11}^8 a_{22}^8 > 0
\end{aligned}$$

pot #55:

symbol a_{12} : $(-0.0, inf)$

symbol c_1 : $[-0.0, inf)$

symbol c_2 : $(-inf, 0.0)$

symbol a_{11} : $(-inf, 0.0]$

symbol a_{22} : $(-inf, 0.0)$

symbol b_1 : -0.0

symbol b_2 : -0.0

symbol a_{21} : $(-0.0, inf)$

$$-c_1 a_{12} + c_2 a_{11} > 0$$

$$a_{12} a_{21} - a_{11} a_{22} > 0$$

$$c_2 a_{21} - c_1 a_{22} > 0$$

$$-3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 + a_{12}^3 a_{21}^3 \geq 0$$

$$a_{12}^2 a_{21}^2 - 2.00 \cdot a_{12} a_{11} a_{22} a_{21} + a_{11}^2 a_{22}^2 > 0$$

$$a_{12} c_2 a_{21}^2 - c_1 a_{12} a_{22} a_{21} - c_2 a_{11} a_{22} a_{21} + c_1 a_{11} a_{22}^2 \geq 0$$

$$3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 - a_{12}^3 a_{21}^3 > 0$$

$$-3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 + a_{12}^3 a_{21}^3 > 0$$

$$8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - a_{12}^8 a_{21}^8 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 +$$

$$56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - a_{11}^8 a_{22}^8 \geq 0$$

$$-8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + a_{12}^8 a_{21}^8 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 -$$

$$56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + a_{11}^8 a_{22}^8 > 0$$

pot #56:

symbol a_{12} : $(-0.0, inf)$

symbol c_1 : $[-0.0, inf)$

symbol c_2 : $(-inf, 0.0)$

symbol a_{11} : $(-inf, 0.0]$

symbol a_{22} : $(-inf, 0.0)$

symbol b_1 : $[-0.0, inf)$

symbol b_2 : -0.0

symbol a_{21} : $(-0.0, inf)$

$$-c_1 a_{12} + c_2 a_{11} > 0$$

$$a_{12} a_{21} - a_{11} a_{22} > 0$$

$$c_2 a_{21} - c_1 a_{22} > 0$$

$$-3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 + a_{12}^3 a_{21}^3 \geq 0$$

$$a_{12}^2 a_{21}^2 - 2.00 \cdot a_{12} a_{11} a_{22} a_{21} + a_{11}^2 a_{22}^2 > 0$$

$$a_{12} c_2 a_{21}^2 - c_1 a_{12} a_{22} a_{21} - c_2 a_{11} a_{22} a_{21} + c_1 a_{11} a_{22}^2 \geq 0$$

$$-3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 + a_{12}^3 a_{21}^3 > 0$$

$$3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 - a_{12}^3 a_{21}^3 > 0$$

$$-8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + a_{12}^8 a_{21}^8 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 -$$

$$56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + a_{11}^8 a_{22}^8 \geq 0$$

$$-8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + a_{12}^8 a_{21}^8 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 - 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + a_{11}^8 a_{22}^8 > 0$$

pot #57:

symbol a_{12} : $(-0.0, inf)$

symbol c_1 : $[-0.0, inf)$

symbol c_2 : $(-inf, 0.0)$

symbol a_{11} : $(-inf, 0.0]$

symbol a_{22} : $(-inf, 0.0)$

symbol b_1 : $[-0.0, inf)$

symbol b_2 : -0.0

symbol a_{21} : $(-0.0, inf)$

$$-c_1 a_{12} + c_2 a_{11} > 0$$

$$a_{12} a_{21} - a_{11} a_{22} > 0$$

$$c_2 a_{21} - c_1 a_{22} > 0$$

$$-3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 + a_{12}^3 a_{21}^3 \geq 0$$

$$a_{12}^2 a_{21}^2 - 2.00 \cdot a_{12} a_{11} a_{22} a_{21} + a_{11}^2 a_{22}^2 > 0$$

$$a_{12} c_2 a_{21}^2 - c_1 a_{12} a_{22} a_{21} - c_2 a_{11} a_{22} a_{21} + c_1 a_{11} a_{22}^2 \geq 0$$

$$-3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 + a_{12}^3 a_{21}^3 > 0$$

$$3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 - a_{12}^3 a_{21}^3 > 0$$

$$8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - a_{12}^8 a_{21}^8 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 +$$

$$56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - a_{11}^8 a_{22}^8 \geq 0$$

$$8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - a_{12}^8 a_{21}^8 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 +$$

$$56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - a_{11}^8 a_{22}^8 > 0$$

pot #58:

symbol a_{12} : $(-0.0, inf)$

symbol c_1 : $[-0.0, inf)$

symbol c_2 : $(-inf, 0.0)$

symbol a_{11} : $(-inf, 0.0]$

symbol a_{22} : $(-inf, 0.0)$

symbol b_1 : -0.0

symbol b_2 : -0.0

symbol a_{21} : $(-0.0, inf)$

$$-c_1 a_{12} + c_2 a_{11} > 0$$

$$a_{12} a_{21} - a_{11} a_{22} > 0$$

$$c_2 a_{21} - c_1 a_{22} > 0$$

$$-3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 + a_{12}^3 a_{21}^3 \geq 0$$

$$a_{12}^2 a_{21}^2 - 2.00 \cdot a_{12} a_{11} a_{22} a_{21} + a_{11}^2 a_{22}^2 > 0$$

$$a_{12} c_2 a_{21}^2 - c_1 a_{12} a_{22} a_{21} - c_2 a_{11} a_{22} a_{21} + c_1 a_{11} a_{22}^2 \geq 0$$

$$-3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 + a_{12}^3 a_{21}^3 > 0$$

$$3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 - a_{12}^3 a_{21}^3 > 0$$

$$-8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + a_{12}^8 a_{21}^8 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 -$$

$$56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + a_{11}^8 a_{22}^8 \geq 0$$

$$8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - a_{12}^8 a_{21}^8 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 +$$

$$56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - a_{11}^8 a_{22}^8 > 0$$

pot #59:

symbol a_{12} : $(-0.0, inf)$

symbol c_1 : $[-0.0, inf)$

symbol c_2 : $(-inf, 0.0)$

symbol a_{11} : $(-inf, 0.0]$

symbol a_{22} : $(-inf, 0.0)$

symbol $b_1 : -0.0$

symbol $b_2 : -0.0$

symbol $a_{21} : (-0.0, inf)$

$$-c_1 a_{12} + c_2 a_{11} > 0$$

$$a_{12} a_{21} - a_{11} a_{22} > 0$$

$$c_2 a_{21} - c_1 a_{22} > 0$$

$$-3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 + a_{12}^3 a_{21}^3 \geq 0$$

$$a_{12}^2 a_{21}^2 - 2.00 \cdot a_{12} a_{11} a_{22} a_{21} + a_{11}^2 a_{22}^2 > 0$$

$$a_{12} c_2 a_{21}^2 - c_1 a_{12} a_{22} a_{21} - c_2 a_{11} a_{22} a_{21} + c_1 a_{11} a_{22}^2 \geq 0$$

$$-3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 + a_{12}^3 a_{21}^3 > 0$$

$$3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 - a_{12}^3 a_{21}^3 > 0$$

$$8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - a_{12}^8 a_{21}^8 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 +$$

$$56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - a_{11}^8 a_{22}^8 \geq 0$$

$$-8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + a_{12}^8 a_{21}^8 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 -$$

$$56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + a_{11}^8 a_{22}^8 > 0$$

pot #60:

symbol $a_{12} : (-0.0, inf)$

symbol $c_1 : [-0.0, inf)$

symbol $c_2 : (-inf, 0.0)$

symbol $a_{11} : (-inf, 0.0]$

symbol $a_{22} : (-inf, 0.0)$

symbol $b_1 : [-0.0, inf)$

symbol $b_2 : -0.0$

symbol $a_{21} : (-0.0, inf)$

$$-c_1 a_{12} + c_2 a_{11} > 0$$

$$a_{12} a_{21} - a_{11} a_{22} > 0$$

$$c_2 a_{21} - c_1 a_{22} > 0$$

$$-3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 + a_{12}^3 a_{21}^3 \geq 0$$

$$a_{12}^2 a_{21}^2 - 2.00 \cdot a_{12} a_{11} a_{22} a_{21} + a_{11}^2 a_{22}^2 > 0$$

$$a_{12} c_2 a_{21}^2 - c_1 a_{12} a_{22} a_{21} - c_2 a_{11} a_{22} a_{21} + c_1 a_{11} a_{22}^2 \geq 0$$

$$-3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 + a_{12}^3 a_{21}^3 > 0$$

$$-a_{12}^3 a_{21}^3 + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 > 0$$

$$-8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + a_{12}^8 a_{21}^8 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 -$$

$$56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + a_{11}^8 a_{22}^8 \geq 0$$

$$-8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + a_{12}^8 a_{21}^8 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 -$$

$$56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + a_{11}^8 a_{22}^8 > 0$$

pot #61:

symbol $a_{12} : (-0.0, inf)$

symbol $c_1 : [-0.0, inf)$

symbol $c_2 : (-inf, 0.0)$

symbol $a_{11} : (-inf, 0.0]$

symbol $a_{22} : (-inf, 0.0)$

symbol $b_1 : [-0.0, inf)$

symbol $b_2 : -0.0$

symbol $a_{21} : (-0.0, inf)$

$$-c_1 a_{12} + c_2 a_{11} > 0$$

$$a_{12} a_{21} - a_{11} a_{22} > 0$$

$$c_2 a_{21} - c_1 a_{22} > 0$$

$$-3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 + a_{12}^3 a_{21}^3 \geq 0$$

$$a_{12}^2 a_{21}^2 - 2.00 \cdot a_{12} a_{11} a_{22} a_{21} + a_{11}^2 a_{22}^2 > 0$$

$$\begin{aligned}
& a_{12}c_2a_{21}^2 - c_1a_{12}a_{22}a_{21} - c_2a_{11}a_{22}a_{21} + c_1a_{11}a_{22}^2 \geq 0 \\
& -3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 + 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} - a_{11}^3a_{22}^3 + a_{12}^3a_{21}^3 > 0 \\
& -a_{12}^3a_{21}^3 + 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 - 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} + a_{11}^3a_{22}^3 > 0 \\
& 8.00 \cdot a_{12}^7a_{11}a_{22}a_{21}^7 - 28.00 \cdot a_{12}^6a_{11}^2a_{22}^2a_{21}^6 + 56.00 \cdot a_{12}^5a_{11}^3a_{22}^3a_{21}^5 - a_{12}^8a_{21}^8 - 70.00 \cdot a_{12}^4a_{11}^4a_{22}^4a_{21}^4 + \\
& 56.00 \cdot a_{12}^3a_{11}^5a_{22}^5a_{21}^3 - 28.00 \cdot a_{12}^2a_{11}^6a_{22}^6a_{21}^2 + 8.00 \cdot a_{12}a_{11}^7a_{22}^7a_{21} - a_{11}^8a_{22}^8 \geq 0 \\
& 8.00 \cdot a_{12}^7a_{11}a_{22}a_{21}^7 - 28.00 \cdot a_{12}^6a_{11}^2a_{22}^2a_{21}^6 + 56.00 \cdot a_{12}^5a_{11}^3a_{22}^3a_{21}^5 - a_{12}^8a_{21}^8 - 70.00 \cdot a_{12}^4a_{11}^4a_{22}^4a_{21}^4 + \\
& 56.00 \cdot a_{12}^3a_{11}^5a_{22}^5a_{21}^3 - 28.00 \cdot a_{12}^2a_{11}^6a_{22}^6a_{21}^2 + 8.00 \cdot a_{12}a_{11}^7a_{22}^7a_{21} - a_{11}^8a_{22}^8 > 0
\end{aligned}$$

pot #62:

symbol a_{12} : $(-0.0, inf)$

symbol c_1 : $[-0.0, inf)$

symbol c_2 : $(-inf, 0.0)$

symbol a_{11} : $(-inf, 0.0]$

symbol a_{22} : $(-inf, 0.0)$

symbol b_1 : -0.0

symbol b_2 : -0.0

symbol a_{21} : $(-0.0, inf)$

$$-c_1a_{12} + c_2a_{11} > 0$$

$$a_{12}a_{21} - a_{11}a_{22} > 0$$

$$c_2a_{21} - c_1a_{22} > 0$$

$$-3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 + 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} - a_{11}^3a_{22}^3 + a_{12}^3a_{21}^3 \geq 0$$

$$a_{12}^2a_{21}^2 - 2.00 \cdot a_{12}a_{11}a_{22}a_{21} + a_{11}^2a_{22}^2 > 0$$

$$a_{12}c_2a_{21}^2 - c_1a_{12}a_{22}a_{21} - c_2a_{11}a_{22}a_{21} + c_1a_{11}a_{22}^2 \geq 0$$

$$-3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 + 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} - a_{11}^3a_{22}^3 + a_{12}^3a_{21}^3 > 0$$

$$-a_{12}^3a_{21}^3 + 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 - 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} + a_{11}^3a_{22}^3 > 0$$

$$-8.00 \cdot a_{12}^7a_{11}a_{22}a_{21}^7 + 28.00 \cdot a_{12}^6a_{11}^2a_{22}^2a_{21}^6 - 56.00 \cdot a_{12}^5a_{11}^3a_{22}^3a_{21}^5 + a_{12}^8a_{21}^8 + 70.00 \cdot a_{12}^4a_{11}^4a_{22}^4a_{21}^4 -$$

$$56.00 \cdot a_{12}^3a_{11}^5a_{22}^5a_{21}^3 + 28.00 \cdot a_{12}^2a_{11}^6a_{22}^6a_{21}^2 - 8.00 \cdot a_{12}a_{11}^7a_{22}^7a_{21} + a_{11}^8a_{22}^8 \geq 0$$

$$8.00 \cdot a_{12}^7a_{11}a_{22}a_{21}^7 - 28.00 \cdot a_{12}^6a_{11}^2a_{22}^2a_{21}^6 + 56.00 \cdot a_{12}^5a_{11}^3a_{22}^3a_{21}^5 - a_{12}^8a_{21}^8 - 70.00 \cdot a_{12}^4a_{11}^4a_{22}^4a_{21}^4 +$$

$$56.00 \cdot a_{12}^3a_{11}^5a_{22}^5a_{21}^3 - 28.00 \cdot a_{12}^2a_{11}^6a_{22}^6a_{21}^2 + 8.00 \cdot a_{12}a_{11}^7a_{22}^7a_{21} - a_{11}^8a_{22}^8 > 0$$

pot #63:

symbol a_{12} : $(-0.0, inf)$

symbol c_1 : $[-0.0, inf)$

symbol c_2 : $(-inf, 0.0)$

symbol a_{11} : $(-inf, 0.0]$

symbol a_{22} : $(-inf, 0.0)$

symbol b_1 : -0.0

symbol b_2 : -0.0

symbol a_{21} : $(-0.0, inf)$

$$-c_1a_{12} + c_2a_{11} > 0$$

$$a_{12}a_{21} - a_{11}a_{22} > 0$$

$$c_2a_{21} - c_1a_{22} > 0$$

$$-3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 + 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} - a_{11}^3a_{22}^3 + a_{12}^3a_{21}^3 \geq 0$$

$$a_{12}^2a_{21}^2 - 2.00 \cdot a_{12}a_{11}a_{22}a_{21} + a_{11}^2a_{22}^2 > 0$$

$$a_{12}c_2a_{21}^2 - c_1a_{12}a_{22}a_{21} - c_2a_{11}a_{22}a_{21} + c_1a_{11}a_{22}^2 \geq 0$$

$$-3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 + 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} - a_{11}^3a_{22}^3 + a_{12}^3a_{21}^3 > 0$$

$$-a_{12}^3a_{21}^3 + 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 - 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} + a_{11}^3a_{22}^3 > 0$$

$$8.00 \cdot a_{12}^7a_{11}a_{22}a_{21}^7 - 28.00 \cdot a_{12}^6a_{11}^2a_{22}^2a_{21}^6 + 56.00 \cdot a_{12}^5a_{11}^3a_{22}^3a_{21}^5 - a_{12}^8a_{21}^8 - 70.00 \cdot a_{12}^4a_{11}^4a_{22}^4a_{21}^4 +$$

$$56.00 \cdot a_{12}^3a_{11}^5a_{22}^5a_{21}^3 - 28.00 \cdot a_{12}^2a_{11}^6a_{22}^6a_{21}^2 + 8.00 \cdot a_{12}a_{11}^7a_{22}^7a_{21} - a_{11}^8a_{22}^8 \geq 0$$

$$-8.00 \cdot a_{12}^7a_{11}a_{22}a_{21}^7 + 28.00 \cdot a_{12}^6a_{11}^2a_{22}^2a_{21}^6 - 56.00 \cdot a_{12}^5a_{11}^3a_{22}^3a_{21}^5 + a_{12}^8a_{21}^8 + 70.00 \cdot a_{12}^4a_{11}^4a_{22}^4a_{21}^4 -$$

$$56.00 \cdot a_{12}^3a_{11}^5a_{22}^5a_{21}^3 + 28.00 \cdot a_{12}^2a_{11}^6a_{22}^6a_{21}^2 - 8.00 \cdot a_{12}a_{11}^7a_{22}^7a_{21} + a_{11}^8a_{22}^8 > 0$$

x_3	$\frac{-6.00 \cdot a_{12}^5 b_2 a_{11} a_{22} a_{21}^5 + 15.00 \cdot a_{12}^4 b_2 a_{11}^2 a_{22}^2 a_{21}^4 - 20.00 \cdot a_{12}^3 b_2 a_{11}^3 a_{22}^3 a_{21}^3 + 15.00 \cdot a_{12}^2 b_2 a_{11}^4 a_{22}^4 a_{21}^2 - 6.00 \cdot a_{12} b_2 a_{11}^5 a_{22}^5 a_{21} + 6.00 \cdot a_{12}^5 a_{11} a_{22} a_{21}^5 - 15.00 \cdot a_{12}^4 a_{11}^2 a_{22}^2 a_{21}^4 - 20.00 \cdot a_{12}^3 a_{11}^3 a_{22}^3 a_{21}^3 + a_{12}^6 a_{21}^6 + 15.00 \cdot a_{12}^2 a_{11}^4 a_{22}^4 a_{21}^2 - 6.00 \cdot a_{12} a_{11}^5 a_{22}^5 a_{21} + 8.00 \cdot b_1 a_{12}^7 a_{11} a_{22} a_{21}^7 + 28.00 \cdot b_1 a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 56.00 \cdot b_1 a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 70.00 \cdot b_1 a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 + b_1 a_{12}^8 a_{21}^8 - 56.00 \cdot b_1 a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 28.00 \cdot b_1 a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 + a_{12}^8 a_{21}^8 - 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2}{0.0}$
x_2	
Ψ	

Table #0.1.1.1

Moving out basis: x_2 from line: 1

Moving to basis: x_3

pots:

pot #0:

symbol a_{12} : $(-0.0, inf)$

symbol c_1 : $[-0.0, inf)$

symbol c_2 : $(-inf, 0.0)$

symbol a_{11} : $(-inf, 0.0]$

symbol a_{22} : $(-inf, 0.0)$

symbol b_1 : $[-0.0, inf)$

symbol b_2 : $[-0.0, inf)$

symbol a_{21} : $(-0.0, inf)$

$$-c_1 a_{12} + c_2 a_{11} > 0$$

$$a_{12} a_{21} - a_{11} a_{22} > 0$$

$$c_2 a_{21} - c_1 a_{22} > 0$$

$$3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 - a_{12}^3 a_{21}^3 \geq 0$$

$$a_{12}^2 a_{21}^2 - 2.00 \cdot a_{12} a_{11} a_{22} a_{21} + a_{11}^2 a_{22}^2 > 0$$

$$a_{12} c_2 a_{21}^2 - c_1 a_{12} a_{22} a_{21} - c_2 a_{11} a_{22} a_{21} + c_1 a_{11} a_{22}^2 \geq 0$$

$$3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 - a_{12}^3 a_{21}^3 > 0$$

$$a_{12}^3 a_{21}^3 - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 > 0$$

$$8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 + 56.00 \cdot$$

$$a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - a_{12}^8 a_{21}^8 - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - a_{11}^8 a_{22}^8 \geq 0$$

$$-8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 - 56.00 \cdot$$

$$a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + a_{12}^8 a_{21}^8 + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + a_{11}^8 a_{22}^8 > 0$$

pot #1:

symbol a_{12} : $(-0.0, inf)$

symbol c_1 : $[-0.0, inf)$

symbol c_2 : $(-inf, 0.0)$

symbol a_{11} : $(-inf, 0.0]$

symbol a_{22} : $(-inf, 0.0)$

symbol b_1 : $[-0.0, inf)$

symbol b_2 : $[-0.0, inf)$

symbol a_{21} : $(-0.0, inf)$

$$-c_1 a_{12} + c_2 a_{11} > 0$$

$$a_{12} a_{21} - a_{11} a_{22} > 0$$

$$c_2 a_{21} - c_1 a_{22} > 0$$

$$3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 - a_{12}^3 a_{21}^3 \geq 0$$

$$a_{12}^2 a_{21}^2 - 2.00 \cdot a_{12} a_{11} a_{22} a_{21} + a_{11}^2 a_{22}^2 > 0$$

$$a_{12} c_2 a_{21}^2 - c_1 a_{12} a_{22} a_{21} - c_2 a_{11} a_{22} a_{21} + c_1 a_{11} a_{22}^2 \geq 0$$

$$3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 - a_{12}^3 a_{21}^3 > 0$$

$$a_{12}^3 a_{21}^3 - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 > 0$$

$$-8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 - 56.00 \cdot$$

$$a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + a_{12}^8 a_{21}^8 + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + a_{11}^8 a_{22}^8 \geq 0$$

$$8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 + 56.00 \cdot$$

$$a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - a_{12}^8 a_{21}^8 - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - a_{11}^8 a_{22}^8 > 0$$

pot #2:

symbol a_{12} : $(-0.0, inf)$

symbol c_1 : $[-0.0, inf)$

symbol $c_2 : (-inf, 0.0)$
symbol $a_{11} : (-inf, 0.0]$
symbol $a_{22} : (-inf, 0.0)$
symbol $b_1 : -0.0$
symbol $b_2 : [-0.0, inf)$
symbol $a_{21} : (-0.0, inf)$
 $-c_1 a_{12} + c_2 a_{11} > 0$
 $a_{12} a_{21} - a_{11} a_{22} > 0$
 $c_2 a_{21} - c_1 a_{22} > 0$
 $3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 - a_{12}^3 a_{21}^3 \geq 0$
 $a_{12}^2 a_{21}^2 - 2.00 \cdot a_{12} a_{11} a_{22} a_{21} + a_{11}^2 a_{22}^2 > 0$
 $a_{12} c_2 a_{21}^2 - c_1 a_{12} a_{22} a_{21} - c_2 a_{11} a_{22} a_{21} + c_1 a_{11} a_{22}^2 \geq 0$
 $3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 - a_{12}^3 a_{21}^3 > 0$
 $a_{12}^3 a_{21}^3 - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 > 0$
 $8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 + 56.00 \cdot$
 $a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - a_{12}^8 a_{21}^8 - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - a_{11}^8 a_{22}^8 \geq 0$
 $8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 + 56.00 \cdot$
 $a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - a_{12}^8 a_{21}^8 - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - a_{11}^8 a_{22}^8 > 0$
pot #3:
symbol $a_{12} : (-0.0, inf)$
symbol $c_1 : [-0.0, inf)$
symbol $c_2 : (-inf, 0.0)$
symbol $a_{11} : (-inf, 0.0]$
symbol $a_{22} : (-inf, 0.0)$
symbol $b_1 : -0.0$
symbol $b_2 : [-0.0, inf)$
symbol $a_{21} : (-0.0, inf)$
 $-c_1 a_{12} + c_2 a_{11} > 0$
 $a_{12} a_{21} - a_{11} a_{22} > 0$
 $c_2 a_{21} - c_1 a_{22} > 0$
 $3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 - a_{12}^3 a_{21}^3 \geq 0$
 $a_{12}^2 a_{21}^2 - 2.00 \cdot a_{12} a_{11} a_{22} a_{21} + a_{11}^2 a_{22}^2 > 0$
 $a_{12} c_2 a_{21}^2 - c_1 a_{12} a_{22} a_{21} - c_2 a_{11} a_{22} a_{21} + c_1 a_{11} a_{22}^2 \geq 0$
 $3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 - a_{12}^3 a_{21}^3 > 0$
 $a_{12}^3 a_{21}^3 - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 > 0$
 $-8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 - 56.00 \cdot$
 $a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + a_{12}^8 a_{21}^8 + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + a_{11}^8 a_{22}^8 \geq 0$
 $-8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 - 56.00 \cdot$
 $a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + a_{12}^8 a_{21}^8 + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + a_{11}^8 a_{22}^8 > 0$
pot #4:
symbol $a_{12} : (-0.0, inf)$
symbol $c_1 : [-0.0, inf)$
symbol $c_2 : (-inf, 0.0)$
symbol $a_{11} : (-inf, 0.0]$
symbol $a_{22} : (-inf, 0.0)$
symbol $b_1 : [-0.0, inf)$
symbol $b_2 : [-0.0, inf)$
symbol $a_{21} : (-0.0, inf)$
 $-c_1 a_{12} + c_2 a_{11} > 0$
 $a_{12} a_{21} - a_{11} a_{22} > 0$

$$\begin{aligned}
& c_2 a_{21} - c_1 a_{22} > 0 \\
& 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 - a_{12}^3 a_{21}^3 \geq 0 \\
& a_{12}^2 a_{21}^2 - 2.00 \cdot a_{12} a_{11} a_{22} a_{21} + a_{11}^2 a_{22}^2 > 0 \\
& a_{12} c_2 a_{21}^2 - c_1 a_{12} a_{22} a_{21} - c_2 a_{11} a_{22} a_{21} + c_1 a_{11} a_{22}^2 \geq 0 \\
& 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 - a_{12}^3 a_{21}^3 > 0 \\
& -3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 + a_{12}^3 a_{21}^3 > 0 \\
& 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 + 56.00 \cdot \\
& a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - a_{12}^8 a_{21}^8 - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - a_{11}^8 a_{22}^8 \geq 0 \\
& -8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 - 56.00 \cdot \\
& a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + a_{12}^8 a_{21}^8 + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + a_{11}^8 a_{22}^8 > 0
\end{aligned}$$

pot #5:

symbol a_{12} : $(-0.0, inf)$

symbol c_1 : $[-0.0, inf)$

symbol c_2 : $(-inf, 0.0)$

symbol a_{11} : $(-inf, 0.0]$

symbol a_{22} : $(-inf, 0.0)$

symbol b_1 : $[-0.0, inf)$

symbol b_2 : $[-0.0, inf)$

symbol a_{21} : $(-0.0, inf)$

$$-c_1 a_{12} + c_2 a_{11} > 0$$

$$a_{12} a_{21} - a_{11} a_{22} > 0$$

$$c_2 a_{21} - c_1 a_{22} > 0$$

$$3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 - a_{12}^3 a_{21}^3 \geq 0$$

$$a_{12}^2 a_{21}^2 - 2.00 \cdot a_{12} a_{11} a_{22} a_{21} + a_{11}^2 a_{22}^2 > 0$$

$$a_{12} c_2 a_{21}^2 - c_1 a_{12} a_{22} a_{21} - c_2 a_{11} a_{22} a_{21} + c_1 a_{11} a_{22}^2 \geq 0$$

$$3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 - a_{12}^3 a_{21}^3 > 0$$

$$-3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 + a_{12}^3 a_{21}^3 > 0$$

$$-8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 - 56.00 \cdot$$

$$a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + a_{12}^8 a_{21}^8 + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + a_{11}^8 a_{22}^8 \geq 0$$

$$8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 + 56.00 \cdot$$

$$a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - a_{12}^8 a_{21}^8 - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - a_{11}^8 a_{22}^8 > 0$$

pot #6:

symbol a_{12} : $(-0.0, inf)$

symbol c_1 : $[-0.0, inf)$

symbol c_2 : $(-inf, 0.0)$

symbol a_{11} : $(-inf, 0.0]$

symbol a_{22} : $(-inf, 0.0)$

symbol b_1 : -0.0

symbol b_2 : $[-0.0, inf)$

symbol a_{21} : $(-0.0, inf)$

$$-c_1 a_{12} + c_2 a_{11} > 0$$

$$a_{12} a_{21} - a_{11} a_{22} > 0$$

$$c_2 a_{21} - c_1 a_{22} > 0$$

$$3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 - a_{12}^3 a_{21}^3 \geq 0$$

$$a_{12}^2 a_{21}^2 - 2.00 \cdot a_{12} a_{11} a_{22} a_{21} + a_{11}^2 a_{22}^2 > 0$$

$$a_{12} c_2 a_{21}^2 - c_1 a_{12} a_{22} a_{21} - c_2 a_{11} a_{22} a_{21} + c_1 a_{11} a_{22}^2 \geq 0$$

$$3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 - a_{12}^3 a_{21}^3 > 0$$

$$-3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 + a_{12}^3 a_{21}^3 > 0$$

$$8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 + 56.00 \cdot$$

$$a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - a_{12}^8 a_{21}^8 - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - a_{11}^8 a_{22}^8 \geq 0$$

$$8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 + 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - a_{12}^8 a_{21}^8 - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - a_{11}^8 a_{22}^8 > 0$$

pot #7:

symbol a_{12} : $(-0.0, inf)$

symbol c_1 : $[-0.0, inf)$

symbol c_2 : $(-inf, 0.0)$

symbol a_{11} : $(-inf, 0.0]$

symbol a_{22} : $(-inf, 0.0)$

symbol b_1 : -0.0

symbol b_2 : $[-0.0, inf)$

symbol a_{21} : $(-0.0, inf)$

$$-c_1 a_{12} + c_2 a_{11} > 0$$

$$a_{12} a_{21} - a_{11} a_{22} > 0$$

$$c_2 a_{21} - c_1 a_{22} > 0$$

$$3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 - a_{12}^3 a_{21}^3 \geq 0$$

$$a_{12}^2 a_{21}^2 - 2.00 \cdot a_{12} a_{11} a_{22} a_{21} + a_{11}^2 a_{22}^2 > 0$$

$$a_{12} c_2 a_{21}^2 - c_1 a_{12} a_{22} a_{21} - c_2 a_{11} a_{22} a_{21} + c_1 a_{11} a_{22}^2 \geq 0$$

$$3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 - a_{12}^3 a_{21}^3 > 0$$

$$-3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 + a_{12}^3 a_{21}^3 > 0$$

$$-8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 - 56.00 \cdot$$

$$a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + a_{12}^8 a_{21}^8 + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + a_{11}^8 a_{22}^8 \geq 0$$

$$-8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 - 56.00 \cdot$$

$$a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + a_{12}^8 a_{21}^8 + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + a_{11}^8 a_{22}^8 > 0$$

pot #8:

symbol a_{12} : $(-0.0, inf)$

symbol c_1 : $[-0.0, inf)$

symbol c_2 : $(-inf, 0.0)$

symbol a_{11} : $(-inf, 0.0]$

symbol a_{22} : $(-inf, 0.0)$

symbol b_1 : $[-0.0, inf)$

symbol b_2 : $[-0.0, inf)$

symbol a_{21} : $(-0.0, inf)$

$$-c_1 a_{12} + c_2 a_{11} > 0$$

$$a_{12} a_{21} - a_{11} a_{22} > 0$$

$$c_2 a_{21} - c_1 a_{22} > 0$$

$$3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 - a_{12}^3 a_{21}^3 \geq 0$$

$$a_{12}^2 a_{21}^2 - 2.00 \cdot a_{12} a_{11} a_{22} a_{21} + a_{11}^2 a_{22}^2 > 0$$

$$a_{12} c_2 a_{21}^2 - c_1 a_{12} a_{22} a_{21} - c_2 a_{11} a_{22} a_{21} + c_1 a_{11} a_{22}^2 \geq 0$$

$$-3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 + a_{12}^3 a_{21}^3 > 0$$

$$3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 - a_{12}^3 a_{21}^3 > 0$$

$$8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 + 56.00 \cdot$$

$$a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - a_{12}^8 a_{21}^8 - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - a_{11}^8 a_{22}^8 \geq 0$$

$$-8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 - 56.00 \cdot$$

$$a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + a_{12}^8 a_{21}^8 + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + a_{11}^8 a_{22}^8 > 0$$

pot #9:

symbol a_{12} : $(-0.0, inf)$

symbol c_1 : $[-0.0, inf)$

symbol c_2 : $(-inf, 0.0)$

symbol a_{11} : $(-inf, 0.0]$

symbol a_{22} : $(-inf, 0.0)$

symbol $b_1 : [-0.0, inf)$
symbol $b_2 : [-0.0, inf)$
symbol $a_{21} : (-0.0, inf)$
 $-c_1 a_{12} + c_2 a_{11} > 0$
 $a_{12} a_{21} - a_{11} a_{22} > 0$
 $c_2 a_{21} - c_1 a_{22} > 0$
 $3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 - a_{12}^3 a_{21}^3 \geq 0$
 $a_{12}^2 a_{21}^2 - 2.00 \cdot a_{12} a_{11} a_{22} a_{21} + a_{11}^2 a_{22}^2 > 0$
 $a_{12} c_2 a_{21}^2 - c_1 a_{12} a_{22} a_{21} - c_2 a_{11} a_{22} a_{21} + c_1 a_{11} a_{22}^2 \geq 0$
 $-3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 + a_{12}^3 a_{21}^3 > 0$
 $3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 - a_{12}^3 a_{21}^3 > 0$
 $-8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 - 56.00 \cdot$
 $a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + a_{12}^8 a_{21}^8 + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + a_{11}^8 a_{22}^8 \geq 0$
 $8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 + 56.00 \cdot$
 $a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - a_{12}^8 a_{21}^8 - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - a_{11}^8 a_{22}^8 > 0$
pot #10:
symbol $a_{12} : (-0.0, inf)$
symbol $c_1 : [-0.0, inf)$
symbol $c_2 : (-inf, 0.0)$
symbol $a_{11} : (-inf, 0.0]$
symbol $a_{22} : (-inf, 0.0)$
symbol $b_1 : -0.0$
symbol $b_2 : [-0.0, inf)$
symbol $a_{21} : (-0.0, inf)$
 $-c_1 a_{12} + c_2 a_{11} > 0$
 $a_{12} a_{21} - a_{11} a_{22} > 0$
 $c_2 a_{21} - c_1 a_{22} > 0$
 $3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 - a_{12}^3 a_{21}^3 \geq 0$
 $a_{12}^2 a_{21}^2 - 2.00 \cdot a_{12} a_{11} a_{22} a_{21} + a_{11}^2 a_{22}^2 > 0$
 $a_{12} c_2 a_{21}^2 - c_1 a_{12} a_{22} a_{21} - c_2 a_{11} a_{22} a_{21} + c_1 a_{11} a_{22}^2 \geq 0$
 $-3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 + a_{12}^3 a_{21}^3 > 0$
 $3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 - a_{12}^3 a_{21}^3 > 0$
 $8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 + 56.00 \cdot$
 $a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - a_{12}^8 a_{21}^8 - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - a_{11}^8 a_{22}^8 \geq 0$
 $8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 + 56.00 \cdot$
 $a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - a_{12}^8 a_{21}^8 - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - a_{11}^8 a_{22}^8 > 0$
pot #11:
symbol $a_{12} : (-0.0, inf)$
symbol $c_1 : [-0.0, inf)$
symbol $c_2 : (-inf, 0.0)$
symbol $a_{11} : (-inf, 0.0]$
symbol $a_{22} : (-inf, 0.0)$
symbol $b_1 : -0.0$
symbol $b_2 : [-0.0, inf)$
symbol $a_{21} : (-0.0, inf)$
 $-c_1 a_{12} + c_2 a_{11} > 0$
 $a_{12} a_{21} - a_{11} a_{22} > 0$
 $c_2 a_{21} - c_1 a_{22} > 0$
 $3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 - a_{12}^3 a_{21}^3 \geq 0$
 $a_{12}^2 a_{21}^2 - 2.00 \cdot a_{12} a_{11} a_{22} a_{21} + a_{11}^2 a_{22}^2 > 0$

$$\begin{aligned}
& a_{12}c_2a_{21}^2 - c_1a_{12}a_{22}a_{21} - c_2a_{11}a_{22}a_{21} + c_1a_{11}a_{22}^2 \geq 0 \\
& -3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 + 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} - a_{11}^3a_{22}^3 + a_{12}^3a_{21}^3 > 0 \\
& 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 - 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} + a_{11}^3a_{22}^3 - a_{12}^3a_{21}^3 > 0 \\
& -8.00 \cdot a_{12}^7a_{11}a_{22}a_{21}^7 + 28.00 \cdot a_{12}^6a_{11}^2a_{22}^2a_{21}^6 - 56.00 \cdot a_{12}^5a_{11}^3a_{22}^3a_{21}^5 + 70.00 \cdot a_{12}^4a_{11}^4a_{22}^4a_{21}^4 - 56.00 \cdot \\
& a_{12}^3a_{11}^5a_{22}^5a_{21}^3 + a_{12}^8a_{21}^8 + 28.00 \cdot a_{12}^2a_{11}^6a_{22}^6a_{21}^2 - 8.00 \cdot a_{12}a_{11}^7a_{22}^7a_{21} + a_{11}^8a_{22}^8 \geq 0 \\
& -8.00 \cdot a_{12}^7a_{11}a_{22}a_{21}^7 + 28.00 \cdot a_{12}^6a_{11}^2a_{22}^2a_{21}^6 - 56.00 \cdot a_{12}^5a_{11}^3a_{22}^3a_{21}^5 + 70.00 \cdot a_{12}^4a_{11}^4a_{22}^4a_{21}^4 - 56.00 \cdot \\
& a_{12}^3a_{11}^5a_{22}^5a_{21}^3 + a_{12}^8a_{21}^8 + 28.00 \cdot a_{12}^2a_{11}^6a_{22}^6a_{21}^2 - 8.00 \cdot a_{12}a_{11}^7a_{22}^7a_{21} + a_{11}^8a_{22}^8 > 0
\end{aligned}$$

pot #12:

symbol a_{12} : $(-0.0, inf)$

symbol c_1 : $[-0.0, inf)$

symbol c_2 : $(-inf, 0.0)$

symbol a_{11} : $(-inf, 0.0]$

symbol a_{22} : $(-inf, 0.0)$

symbol b_1 : $[-0.0, inf)$

symbol b_2 : $[-0.0, inf)$

symbol a_{21} : $(-0.0, inf)$

$$-c_1a_{12} + c_2a_{11} > 0$$

$$a_{12}a_{21} - a_{11}a_{22} > 0$$

$$c_2a_{21} - c_1a_{22} > 0$$

$$3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 - 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} + a_{11}^3a_{22}^3 - a_{12}^3a_{21}^3 \geq 0$$

$$a_{12}^2a_{21}^2 - 2.00 \cdot a_{12}a_{11}a_{22}a_{21} + a_{11}^2a_{22}^2 > 0$$

$$a_{12}c_2a_{21}^2 - c_1a_{12}a_{22}a_{21} - c_2a_{11}a_{22}a_{21} + c_1a_{11}a_{22}^2 \geq 0$$

$$-3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 + 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} - a_{11}^3a_{22}^3 + a_{12}^3a_{21}^3 > 0$$

$$-a_{12}^3a_{21}^3 + 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 - 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} + a_{11}^3a_{22}^3 > 0$$

$$8.00 \cdot a_{12}^7a_{11}a_{22}a_{21}^7 - 28.00 \cdot a_{12}^6a_{11}^2a_{22}^2a_{21}^6 + 56.00 \cdot a_{12}^5a_{11}^3a_{22}^3a_{21}^5 - 70.00 \cdot a_{12}^4a_{11}^4a_{22}^4a_{21}^4 + 56.00 \cdot$$

$$a_{12}^3a_{11}^5a_{22}^5a_{21}^3 - a_{12}^8a_{21}^8 - 28.00 \cdot a_{12}^2a_{11}^6a_{22}^6a_{21}^2 + 8.00 \cdot a_{12}a_{11}^7a_{22}^7a_{21} - a_{11}^8a_{22}^8 \geq 0$$

$$-8.00 \cdot a_{12}^7a_{11}a_{22}a_{21}^7 + 28.00 \cdot a_{12}^6a_{11}^2a_{22}^2a_{21}^6 - 56.00 \cdot a_{12}^5a_{11}^3a_{22}^3a_{21}^5 + 70.00 \cdot a_{12}^4a_{11}^4a_{22}^4a_{21}^4 - 56.00 \cdot$$

$$a_{12}^3a_{11}^5a_{22}^5a_{21}^3 + a_{12}^8a_{21}^8 + 28.00 \cdot a_{12}^2a_{11}^6a_{22}^6a_{21}^2 - 8.00 \cdot a_{12}a_{11}^7a_{22}^7a_{21} + a_{11}^8a_{22}^8 > 0$$

pot #13:

symbol a_{12} : $(-0.0, inf)$

symbol c_1 : $[-0.0, inf)$

symbol c_2 : $(-inf, 0.0)$

symbol a_{11} : $(-inf, 0.0]$

symbol a_{22} : $(-inf, 0.0)$

symbol b_1 : $[-0.0, inf)$

symbol b_2 : $[-0.0, inf)$

symbol a_{21} : $(-0.0, inf)$

$$-c_1a_{12} + c_2a_{11} > 0$$

$$a_{12}a_{21} - a_{11}a_{22} > 0$$

$$c_2a_{21} - c_1a_{22} > 0$$

$$3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 - 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} + a_{11}^3a_{22}^3 - a_{12}^3a_{21}^3 \geq 0$$

$$a_{12}^2a_{21}^2 - 2.00 \cdot a_{12}a_{11}a_{22}a_{21} + a_{11}^2a_{22}^2 > 0$$

$$a_{12}c_2a_{21}^2 - c_1a_{12}a_{22}a_{21} - c_2a_{11}a_{22}a_{21} + c_1a_{11}a_{22}^2 \geq 0$$

$$-3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 + 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} - a_{11}^3a_{22}^3 + a_{12}^3a_{21}^3 > 0$$

$$-a_{12}^3a_{21}^3 + 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 - 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} + a_{11}^3a_{22}^3 > 0$$

$$-8.00 \cdot a_{12}^7a_{11}a_{22}a_{21}^7 + 28.00 \cdot a_{12}^6a_{11}^2a_{22}^2a_{21}^6 - 56.00 \cdot a_{12}^5a_{11}^3a_{22}^3a_{21}^5 + 70.00 \cdot a_{12}^4a_{11}^4a_{22}^4a_{21}^4 - 56.00 \cdot$$

$$a_{12}^3a_{11}^5a_{22}^5a_{21}^3 + a_{12}^8a_{21}^8 + 28.00 \cdot a_{12}^2a_{11}^6a_{22}^6a_{21}^2 - 8.00 \cdot a_{12}a_{11}^7a_{22}^7a_{21} + a_{11}^8a_{22}^8 \geq 0$$

$$8.00 \cdot a_{12}^7a_{11}a_{22}a_{21}^7 - 28.00 \cdot a_{12}^6a_{11}^2a_{22}^2a_{21}^6 + 56.00 \cdot a_{12}^5a_{11}^3a_{22}^3a_{21}^5 - 70.00 \cdot a_{12}^4a_{11}^4a_{22}^4a_{21}^4 + 56.00 \cdot$$

$$a_{12}^3a_{11}^5a_{22}^5a_{21}^3 - a_{12}^8a_{21}^8 - 28.00 \cdot a_{12}^2a_{11}^6a_{22}^6a_{21}^2 + 8.00 \cdot a_{12}a_{11}^7a_{22}^7a_{21} - a_{11}^8a_{22}^8 > 0$$

pot #14:

symbol a_{12} : $(-0.0, inf)$

symbol c_1 : $[-0.0, inf)$

symbol c_2 : $(-inf, 0.0)$

symbol a_{11} : $(-inf, 0.0]$

symbol a_{22} : $(-inf, 0.0)$

symbol b_1 : -0.0

symbol b_2 : $[-0.0, inf)$

symbol a_{21} : $(-0.0, inf)$

$-c_1 a_{12} + c_2 a_{11} > 0$

$a_{12} a_{21} - a_{11} a_{22} > 0$

$c_2 a_{21} - c_1 a_{22} > 0$

$3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 - a_{12}^3 a_{21}^3 \geq 0$

$a_{12}^2 a_{21}^2 - 2.00 \cdot a_{12} a_{11} a_{22} a_{21} + a_{11}^2 a_{22}^2 > 0$

$a_{12} c_2 a_{21}^2 - c_1 a_{12} a_{22} a_{21} - c_2 a_{11} a_{22} a_{21} + c_1 a_{11} a_{22}^2 \geq 0$

$-3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 + a_{12}^3 a_{21}^3 > 0$

$-a_{12}^3 a_{21}^3 + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 > 0$

$8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 + 56.00 \cdot$

$a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - a_{12}^8 a_{21}^8 - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - a_{11}^8 a_{22}^8 \geq 0$

$8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 + 56.00 \cdot$

$a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - a_{12}^8 a_{21}^8 - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - a_{11}^8 a_{22}^8 > 0$

pot #15:

symbol a_{12} : $(-0.0, inf)$

symbol c_1 : $[-0.0, inf)$

symbol c_2 : $(-inf, 0.0)$

symbol a_{11} : $(-inf, 0.0]$

symbol a_{22} : $(-inf, 0.0)$

symbol b_1 : -0.0

symbol b_2 : $[-0.0, inf)$

symbol a_{21} : $(-0.0, inf)$

$-c_1 a_{12} + c_2 a_{11} > 0$

$a_{12} a_{21} - a_{11} a_{22} > 0$

$c_2 a_{21} - c_1 a_{22} > 0$

$3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 - a_{12}^3 a_{21}^3 \geq 0$

$a_{12}^2 a_{21}^2 - 2.00 \cdot a_{12} a_{11} a_{22} a_{21} + a_{11}^2 a_{22}^2 > 0$

$a_{12} c_2 a_{21}^2 - c_1 a_{12} a_{22} a_{21} - c_2 a_{11} a_{22} a_{21} + c_1 a_{11} a_{22}^2 \geq 0$

$-3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 + a_{12}^3 a_{21}^3 > 0$

$-a_{12}^3 a_{21}^3 + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 > 0$

$-8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 - 56.00 \cdot$

$a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + a_{12}^8 a_{21}^8 + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + a_{11}^8 a_{22}^8 \geq 0$

$-8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 - 56.00 \cdot$

$a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + a_{12}^8 a_{21}^8 + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + a_{11}^8 a_{22}^8 > 0$

pot #16:

symbol a_{12} : $(-0.0, inf)$

symbol c_1 : $[-0.0, inf)$

symbol c_2 : $(-inf, 0.0)$

symbol a_{11} : $(-inf, 0.0]$

symbol a_{22} : $(-inf, 0.0)$

symbol b_1 : $[-0.0, inf)$

symbol b_2 : $[-0.0, inf)$

symbol a_{21} : $(-0.0, inf)$

$-c_1a_{12} + c_2a_{11} > 0$
 $a_{12}a_{21} - a_{11}a_{22} > 0$
 $c_2a_{21} - c_1a_{22} > 0$
 $3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 - 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} + a_{11}^3a_{22}^3 - a_{12}^3a_{21}^3 \geq 0$
 $a_{12}^2a_{21}^2 - 2.00 \cdot a_{12}a_{11}a_{22}a_{21} + a_{11}^2a_{22}^2 > 0$
 $a_{12}c_2a_{21}^2 - c_1a_{12}a_{22}a_{21} - c_2a_{11}a_{22}a_{21} + c_1a_{11}a_{22}^2 \geq 0$
 $3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 - 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} + a_{11}^3a_{22}^3 - a_{12}^3a_{21}^3 > 0$
 $-3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 + 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} - a_{11}^3a_{22}^3 + a_{12}^3a_{21}^3 \geq 0$
 $a_{12}^3a_{21}^3 - 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 + 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} - a_{11}^3a_{22}^3 > 0$
 pot #17:

symbol a_{12} : $(-0.0, inf)$
 symbol c_1 : $[-0.0, inf)$
 symbol c_2 : $(-inf, 0.0)$
 symbol a_{11} : $(-inf, 0.0]$
 symbol a_{22} : $(-inf, 0.0)$
 symbol b_1 : $[-0.0, inf)$
 symbol b_2 : $[-0.0, inf)$
 symbol a_{21} : $(-0.0, inf)$

$-c_1a_{12} + c_2a_{11} > 0$
 $a_{12}a_{21} - a_{11}a_{22} > 0$
 $c_2a_{21} - c_1a_{22} > 0$
 $3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 - 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} + a_{11}^3a_{22}^3 - a_{12}^3a_{21}^3 \geq 0$
 $a_{12}^2a_{21}^2 - 2.00 \cdot a_{12}a_{11}a_{22}a_{21} + a_{11}^2a_{22}^2 > 0$
 $a_{12}c_2a_{21}^2 - c_1a_{12}a_{22}a_{21} - c_2a_{11}a_{22}a_{21} + c_1a_{11}a_{22}^2 \geq 0$
 $3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 - 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} + a_{11}^3a_{22}^3 - a_{12}^3a_{21}^3 > 0$
 pot #18:

symbol a_{12} : $(-0.0, inf)$
 symbol c_1 : $[-0.0, inf)$
 symbol c_2 : $(-inf, 0.0)$
 symbol a_{11} : $(-inf, 0.0]$
 symbol a_{22} : $(-inf, 0.0)$
 symbol b_1 : $[-0.0, inf)$
 symbol b_2 : $[-0.0, inf)$
 symbol a_{21} : $(-0.0, inf)$

$-c_1a_{12} + c_2a_{11} > 0$
 $a_{12}a_{21} - a_{11}a_{22} > 0$
 $c_2a_{21} - c_1a_{22} > 0$
 $3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 - 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} + a_{11}^3a_{22}^3 - a_{12}^3a_{21}^3 \geq 0$
 $a_{12}^2a_{21}^2 - 2.00 \cdot a_{12}a_{11}a_{22}a_{21} + a_{11}^2a_{22}^2 > 0$
 $a_{12}c_2a_{21}^2 - c_1a_{12}a_{22}a_{21} - c_2a_{11}a_{22}a_{21} + c_1a_{11}a_{22}^2 \geq 0$
 $-3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 + 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} - a_{11}^3a_{22}^3 + a_{12}^3a_{21}^3 > 0$
 $-3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 + 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} - a_{11}^3a_{22}^3 + a_{12}^3a_{21}^3 \geq 0$
 pot #19:

symbol a_{12} : $(-0.0, inf)$
 symbol c_1 : $[-0.0, inf)$
 symbol c_2 : $(-inf, 0.0)$
 symbol a_{11} : $(-inf, 0.0]$
 symbol a_{22} : $(-inf, 0.0)$
 symbol b_1 : $[-0.0, inf)$
 symbol b_2 : $[-0.0, inf)$

symbol $a_{21} : (-0.0, inf)$

$$-c_1 a_{12} + c_2 a_{11} > 0$$

$$a_{12} a_{21} - a_{11} a_{22} > 0$$

$$c_2 a_{21} - c_1 a_{22} > 0$$

$$3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 - a_{12}^3 a_{21}^3 \geq 0$$

$$a_{12}^2 a_{21}^2 - 2.00 \cdot a_{12} a_{11} a_{22} a_{21} + a_{11}^2 a_{22}^2 > 0$$

$$a_{12} c_2 a_{21}^2 - c_1 a_{12} a_{22} a_{21} - c_2 a_{11} a_{22} a_{21} + c_1 a_{11} a_{22}^2 \geq 0$$

$$-3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 + a_{12}^3 a_{21}^3 > 0$$

$$-a_{12}^3 a_{21}^3 + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 > 0$$

pot #20:

symbol $a_{12} : (-0.0, inf)$

symbol $c_1 : [-0.0, inf)$

symbol $c_2 : (-inf, 0.0)$

symbol $a_{11} : (-inf, 0.0]$

symbol $a_{22} : (-inf, 0.0)$

symbol $b_1 : [-0.0, inf)$

symbol $b_2 : [-0.0, inf)$

symbol $a_{21} : (-0.0, inf)$

$$-c_1 a_{12} + c_2 a_{11} > 0$$

$$a_{12} a_{21} - a_{11} a_{22} > 0$$

$$c_2 a_{21} - c_1 a_{22} > 0$$

$$-3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 + a_{12}^3 a_{21}^3 \geq 0$$

$$-a_{12}^2 a_{21}^2 + 2.00 \cdot a_{12} a_{11} a_{22} a_{21} - a_{11}^2 a_{22}^2 > 0$$

$$a_{12} c_2 a_{21}^2 - c_1 a_{12} a_{22} a_{21} - c_2 a_{11} a_{22} a_{21} + c_1 a_{11} a_{22}^2 \geq 0$$

$$3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 - a_{12}^3 a_{21}^3 > 0$$

$$a_{12}^3 a_{21}^3 - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 > 0$$

$$8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 + 56.00 \cdot$$

$$a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - a_{12}^8 a_{21}^8 - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - a_{11}^8 a_{22}^8 \geq 0$$

$$-8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 - 56.00 \cdot$$

$$a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + a_{12}^8 a_{21}^8 + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + a_{11}^8 a_{22}^8 > 0$$

pot #21:

symbol $a_{12} : (-0.0, inf)$

symbol $c_1 : [-0.0, inf)$

symbol $c_2 : (-inf, 0.0)$

symbol $a_{11} : (-inf, 0.0]$

symbol $a_{22} : (-inf, 0.0)$

symbol $b_1 : [-0.0, inf)$

symbol $b_2 : [-0.0, inf)$

symbol $a_{21} : (-0.0, inf)$

$$-c_1 a_{12} + c_2 a_{11} > 0$$

$$a_{12} a_{21} - a_{11} a_{22} > 0$$

$$c_2 a_{21} - c_1 a_{22} > 0$$

$$-3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 + a_{12}^3 a_{21}^3 \geq 0$$

$$-a_{12}^2 a_{21}^2 + 2.00 \cdot a_{12} a_{11} a_{22} a_{21} - a_{11}^2 a_{22}^2 > 0$$

$$a_{12} c_2 a_{21}^2 - c_1 a_{12} a_{22} a_{21} - c_2 a_{11} a_{22} a_{21} + c_1 a_{11} a_{22}^2 \geq 0$$

$$3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 - a_{12}^3 a_{21}^3 > 0$$

$$a_{12}^3 a_{21}^3 - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 > 0$$

$$-8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 - 56.00 \cdot$$

$$a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + a_{12}^8 a_{21}^8 + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + a_{11}^8 a_{22}^8 \geq 0$$

$$8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 + 56.00 \cdot$$

$$a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - a_{12}^8 a_{21}^8 - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - a_{11}^8 a_{22}^8 > 0$$

pot #22:

symbol $a_{12} : (-0.0, inf)$

symbol $c_1 : [-0.0, inf)$

symbol $c_2 : (-inf, 0.0)$

symbol $a_{11} : (-inf, 0.0]$

symbol $a_{22} : (-inf, 0.0)$

symbol $b_1 : -0.0$

symbol $b_2 : [-0.0, inf)$

symbol $a_{21} : (-0.0, inf)$

$$-c_1 a_{12} + c_2 a_{11} > 0$$

$$a_{12} a_{21} - a_{11} a_{22} > 0$$

$$c_2 a_{21} - c_1 a_{22} > 0$$

$$-3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 + a_{12}^3 a_{21}^3 \geq 0$$

$$-a_{12}^2 a_{21}^2 + 2.00 \cdot a_{12} a_{11} a_{22} a_{21} - a_{11}^2 a_{22}^2 > 0$$

$$a_{12} c_2 a_{21}^2 - c_1 a_{12} a_{22} a_{21} - c_2 a_{11} a_{22} a_{21} + c_1 a_{11} a_{22}^2 \geq 0$$

$$3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 - a_{12}^3 a_{21}^3 > 0$$

$$a_{12}^3 a_{21}^3 - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 > 0$$

$$8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^6 a_{21} + 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 + 56.00 \cdot$$

$$a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - a_{12}^8 a_{21}^8 - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - a_{11}^8 a_{22}^8 \geq 0$$

$$8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^6 a_{21} + 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 + 56.00 \cdot$$

$$a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - a_{12}^8 a_{21}^8 - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - a_{11}^8 a_{22}^8 > 0$$

pot #23:

symbol $a_{12} : (-0.0, inf)$

symbol $c_1 : [-0.0, inf)$

symbol $c_2 : (-inf, 0.0)$

symbol $a_{11} : (-inf, 0.0]$

symbol $a_{22} : (-inf, 0.0)$

symbol $b_1 : -0.0$

symbol $b_2 : [-0.0, inf)$

symbol $a_{21} : (-0.0, inf)$

$$-c_1 a_{12} + c_2 a_{11} > 0$$

$$a_{12} a_{21} - a_{11} a_{22} > 0$$

$$c_2 a_{21} - c_1 a_{22} > 0$$

$$-3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 + a_{12}^3 a_{21}^3 \geq 0$$

$$-a_{12}^2 a_{21}^2 + 2.00 \cdot a_{12} a_{11} a_{22} a_{21} - a_{11}^2 a_{22}^2 > 0$$

$$a_{12} c_2 a_{21}^2 - c_1 a_{12} a_{22} a_{21} - c_2 a_{11} a_{22} a_{21} + c_1 a_{11} a_{22}^2 \geq 0$$

$$3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 - a_{12}^3 a_{21}^3 > 0$$

$$a_{12}^3 a_{21}^3 - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 > 0$$

$$-8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^6 a_{21} - 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 - 56.00 \cdot$$

$$a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + a_{12}^8 a_{21}^8 + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + a_{11}^8 a_{22}^8 \geq 0$$

$$-8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^6 a_{21} - 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 - 56.00 \cdot$$

$$a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + a_{12}^8 a_{21}^8 + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + a_{11}^8 a_{22}^8 > 0$$

pot #24:

symbol $a_{12} : (-0.0, inf)$

symbol $c_1 : [-0.0, inf)$

symbol $c_2 : (-inf, 0.0)$

symbol $a_{11} : (-inf, 0.0]$

symbol $a_{22} : (-inf, 0.0)$

symbol $b_1 : [-0.0, inf)$

symbol $b_2 : [-0.0, inf)$

symbol $a_{21} : (-0.0, inf)$

$$-c_1 a_{12} + c_2 a_{11} > 0$$

$$a_{12} a_{21} - a_{11} a_{22} > 0$$

$$c_2 a_{21} - c_1 a_{22} > 0$$

$$-3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 + a_{12}^3 a_{21}^3 \geq 0$$

$$-a_{12}^2 a_{21}^2 + 2.00 \cdot a_{12} a_{11} a_{22} a_{21} - a_{11}^2 a_{22}^2 > 0$$

$$a_{12} c_2 a_{21}^2 - c_1 a_{12} a_{22} a_{21} - c_2 a_{11} a_{22} a_{21} + c_1 a_{11} a_{22}^2 \geq 0$$

$$3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 - a_{12}^3 a_{21}^3 > 0$$

$$-3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 + a_{12}^3 a_{21}^3 > 0$$

$$8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 + 56.00 \cdot$$

$$a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - a_{12}^8 a_{21}^8 - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - a_{11}^8 a_{22}^8 \geq 0$$

$$-8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 - 56.00 \cdot$$

$$a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + a_{12}^8 a_{21}^8 + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + a_{11}^8 a_{22}^8 > 0$$

pot #25:

symbol $a_{12} : (-0.0, inf)$

symbol $c_1 : [-0.0, inf)$

symbol $c_2 : (-inf, 0.0)$

symbol $a_{11} : (-inf, 0.0]$

symbol $a_{22} : (-inf, 0.0)$

symbol $b_1 : [-0.0, inf)$

symbol $b_2 : [-0.0, inf)$

symbol $a_{21} : (-0.0, inf)$

$$-c_1 a_{12} + c_2 a_{11} > 0$$

$$a_{12} a_{21} - a_{11} a_{22} > 0$$

$$c_2 a_{21} - c_1 a_{22} > 0$$

$$-3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 + a_{12}^3 a_{21}^3 \geq 0$$

$$-a_{12}^2 a_{21}^2 + 2.00 \cdot a_{12} a_{11} a_{22} a_{21} - a_{11}^2 a_{22}^2 > 0$$

$$a_{12} c_2 a_{21}^2 - c_1 a_{12} a_{22} a_{21} - c_2 a_{11} a_{22} a_{21} + c_1 a_{11} a_{22}^2 \geq 0$$

$$3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 - a_{12}^3 a_{21}^3 > 0$$

$$-3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 + a_{12}^3 a_{21}^3 > 0$$

$$-8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 - 56.00 \cdot$$

$$a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + a_{12}^8 a_{21}^8 + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + a_{11}^8 a_{22}^8 \geq 0$$

$$8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 + 56.00 \cdot$$

$$a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - a_{12}^8 a_{21}^8 - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - a_{11}^8 a_{22}^8 > 0$$

pot #26:

symbol $a_{12} : (-0.0, inf)$

symbol $c_1 : [-0.0, inf)$

symbol $c_2 : (-inf, 0.0)$

symbol $a_{11} : (-inf, 0.0]$

symbol $a_{22} : (-inf, 0.0)$

symbol $b_1 : -0.0$

symbol $b_2 : [-0.0, inf)$

symbol $a_{21} : (-0.0, inf)$

$$-c_1 a_{12} + c_2 a_{11} > 0$$

$$a_{12} a_{21} - a_{11} a_{22} > 0$$

$$c_2 a_{21} - c_1 a_{22} > 0$$

$$-3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 + a_{12}^3 a_{21}^3 \geq 0$$

$$-a_{12}^2 a_{21}^2 + 2.00 \cdot a_{12} a_{11} a_{22} a_{21} - a_{11}^2 a_{22}^2 > 0$$

$$a_{12} c_2 a_{21}^2 - c_1 a_{12} a_{22} a_{21} - c_2 a_{11} a_{22} a_{21} + c_1 a_{11} a_{22}^2 \geq 0$$

$$\begin{aligned}
& 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 - a_{12}^3 a_{21}^3 > 0 \\
& -3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 + a_{12}^3 a_{21}^3 > 0 \\
& 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 + 56.00 \cdot \\
& a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - a_{12}^8 a_{21}^8 - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - a_{11}^8 a_{22}^8 \geq 0 \\
& 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 + 56.00 \cdot \\
& a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - a_{12}^8 a_{21}^8 - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - a_{11}^8 a_{22}^8 > 0
\end{aligned}$$

pot #27:

symbol a_{12} : $(-0.0, inf)$

symbol c_1 : $[-0.0, inf)$

symbol c_2 : $(-inf, 0.0)$

symbol a_{11} : $(-inf, 0.0]$

symbol a_{22} : $(-inf, 0.0)$

symbol b_1 : -0.0

symbol b_2 : $[-0.0, inf)$

symbol a_{21} : $(-0.0, inf)$

$$-c_1 a_{12} + c_2 a_{11} > 0$$

$$a_{12} a_{21} - a_{11} a_{22} > 0$$

$$c_2 a_{21} - c_1 a_{22} > 0$$

$$-3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 + a_{12}^3 a_{21}^3 \geq 0$$

$$-a_{12}^2 a_{21}^2 + 2.00 \cdot a_{12} a_{11} a_{22} a_{21} - a_{11}^2 a_{22}^2 > 0$$

$$a_{12} c_2 a_{21}^2 - c_1 a_{12} a_{22} a_{21} - c_2 a_{11} a_{22} a_{21} + c_1 a_{11} a_{22}^2 \geq 0$$

$$3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 - a_{12}^3 a_{21}^3 > 0$$

$$-3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 + a_{12}^3 a_{21}^3 > 0$$

$$-8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 - 56.00 \cdot$$

$$a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + a_{12}^8 a_{21}^8 + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + a_{11}^8 a_{22}^8 \geq 0$$

$$-8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 - 56.00 \cdot$$

$$a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + a_{12}^8 a_{21}^8 + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + a_{11}^8 a_{22}^8 > 0$$

pot #28:

symbol a_{12} : $(-0.0, inf)$

symbol c_1 : $[-0.0, inf)$

symbol c_2 : $(-inf, 0.0)$

symbol a_{11} : $(-inf, 0.0]$

symbol a_{22} : $(-inf, 0.0)$

symbol b_1 : $[-0.0, inf)$

symbol b_2 : $[-0.0, inf)$

symbol a_{21} : $(-0.0, inf)$

$$-c_1 a_{12} + c_2 a_{11} > 0$$

$$a_{12} a_{21} - a_{11} a_{22} > 0$$

$$c_2 a_{21} - c_1 a_{22} > 0$$

$$-3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 + a_{12}^3 a_{21}^3 \geq 0$$

$$-a_{12}^2 a_{21}^2 + 2.00 \cdot a_{12} a_{11} a_{22} a_{21} - a_{11}^2 a_{22}^2 > 0$$

$$a_{12} c_2 a_{21}^2 - c_1 a_{12} a_{22} a_{21} - c_2 a_{11} a_{22} a_{21} + c_1 a_{11} a_{22}^2 \geq 0$$

$$-3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 + a_{12}^3 a_{21}^3 > 0$$

$$3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 - a_{12}^3 a_{21}^3 > 0$$

$$8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 + 56.00 \cdot$$

$$a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - a_{12}^8 a_{21}^8 - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - a_{11}^8 a_{22}^8 \geq 0$$

$$-8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 - 56.00 \cdot$$

$$a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + a_{12}^8 a_{21}^8 + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + a_{11}^8 a_{22}^8 > 0$$

pot #29:

symbol a_{12} : $(-0.0, inf)$

symbol $c_1 : [-0.0, inf)$
symbol $c_2 : (-inf, 0.0)$
symbol $a_{11} : (-inf, 0.0]$
symbol $a_{22} : (-inf, 0.0)$
symbol $b_1 : [-0.0, inf)$
symbol $b_2 : [-0.0, inf)$
symbol $a_{21} : (-0.0, inf)$
 $-c_1 a_{12} + c_2 a_{11} > 0$
 $a_{12} a_{21} - a_{11} a_{22} > 0$
 $c_2 a_{21} - c_1 a_{22} > 0$
 $-3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 + a_{12}^3 a_{21}^3 \geq 0$
 $-a_{12}^2 a_{21}^2 + 2.00 \cdot a_{12} a_{11} a_{22} a_{21} - a_{11}^2 a_{22}^2 > 0$
 $a_{12} c_2 a_{21}^2 - c_1 a_{12} a_{22} a_{21} - c_2 a_{11} a_{22} a_{21} + c_1 a_{11} a_{22}^2 \geq 0$
 $-3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 + a_{12}^3 a_{21}^3 > 0$
 $3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 - a_{12}^3 a_{21}^3 > 0$
 $-8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 - 56.00 \cdot$
 $a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + a_{12}^8 a_{21}^8 + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + a_{11}^8 a_{22}^8 \geq 0$
 $8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 + 56.00 \cdot$
 $a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - a_{12}^8 a_{21}^8 - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - a_{11}^8 a_{22}^8 > 0$
pot #30:
symbol $a_{12} : (-0.0, inf)$
symbol $c_1 : [-0.0, inf)$
symbol $c_2 : (-inf, 0.0)$
symbol $a_{11} : (-inf, 0.0]$
symbol $a_{22} : (-inf, 0.0)$
symbol $b_1 : -0.0$
symbol $b_2 : [-0.0, inf)$
symbol $a_{21} : (-0.0, inf)$
 $-c_1 a_{12} + c_2 a_{11} > 0$
 $a_{12} a_{21} - a_{11} a_{22} > 0$
 $c_2 a_{21} - c_1 a_{22} > 0$
 $-3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 + a_{12}^3 a_{21}^3 \geq 0$
 $-a_{12}^2 a_{21}^2 + 2.00 \cdot a_{12} a_{11} a_{22} a_{21} - a_{11}^2 a_{22}^2 > 0$
 $a_{12} c_2 a_{21}^2 - c_1 a_{12} a_{22} a_{21} - c_2 a_{11} a_{22} a_{21} + c_1 a_{11} a_{22}^2 \geq 0$
 $-3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 + a_{12}^3 a_{21}^3 > 0$
 $3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 - a_{12}^3 a_{21}^3 > 0$
 $8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 + 56.00 \cdot$
 $a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - a_{12}^8 a_{21}^8 - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - a_{11}^8 a_{22}^8 \geq 0$
 $8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 + 56.00 \cdot$
 $a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - a_{12}^8 a_{21}^8 - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - a_{11}^8 a_{22}^8 > 0$
pot #31:
symbol $a_{12} : (-0.0, inf)$
symbol $c_1 : [-0.0, inf)$
symbol $c_2 : (-inf, 0.0)$
symbol $a_{11} : (-inf, 0.0]$
symbol $a_{22} : (-inf, 0.0)$
symbol $b_1 : -0.0$
symbol $b_2 : [-0.0, inf)$
symbol $a_{21} : (-0.0, inf)$
 $-c_1 a_{12} + c_2 a_{11} > 0$

$$a_{12}a_{21} - a_{11}a_{22} > 0$$

$$c_2a_{21} - c_1a_{22} > 0$$

$$-3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 + 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} - a_{11}^3a_{22}^3 + a_{12}^3a_{21}^3 \geq 0$$

$$-a_{12}^2a_{21}^2 + 2.00 \cdot a_{12}a_{11}a_{22}a_{21} - a_{11}^2a_{22}^2 > 0$$

$$a_{12}c_2a_{21}^2 - c_1a_{12}a_{22}a_{21} - c_2a_{11}a_{22}a_{21} + c_1a_{11}a_{22}^2 \geq 0$$

$$-3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 + 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} - a_{11}^3a_{22}^3 + a_{12}^3a_{21}^3 > 0$$

$$3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 - 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} + a_{11}^3a_{22}^3 - a_{12}^3a_{21}^3 > 0$$

$$-8.00 \cdot a_{12}^7a_{11}a_{22}a_{21}^7 + 28.00 \cdot a_{12}^6a_{11}^2a_{22}^2a_{21}^6 - 56.00 \cdot a_{12}^5a_{11}^3a_{22}^3a_{21}^5 + 70.00 \cdot a_{12}^4a_{11}^4a_{22}^4a_{21}^4 - 56.00 \cdot a_{12}^3a_{11}^5a_{22}^5a_{21}^3 + a_{12}^8a_{21}^8 + 28.00 \cdot a_{12}^2a_{11}^6a_{22}^6a_{21}^2 - 8.00 \cdot a_{12}a_{11}^7a_{22}^7a_{21} + a_{11}^8a_{22}^8 \geq 0$$

$$-8.00 \cdot a_{12}^7a_{11}a_{22}a_{21}^7 + 28.00 \cdot a_{12}^6a_{11}^2a_{22}^2a_{21}^6 - 56.00 \cdot a_{12}^5a_{11}^3a_{22}^3a_{21}^5 + 70.00 \cdot a_{12}^4a_{11}^4a_{22}^4a_{21}^4 - 56.00 \cdot a_{12}^3a_{11}^5a_{22}^5a_{21}^3 + a_{12}^8a_{21}^8 + 28.00 \cdot a_{12}^2a_{11}^6a_{22}^6a_{21}^2 - 8.00 \cdot a_{12}a_{11}^7a_{22}^7a_{21} + a_{11}^8a_{22}^8 > 0$$

pot #32:

symbol a_{12} : $(-0.0, inf)$

symbol c_1 : $[-0.0, inf)$

symbol c_2 : $(-inf, 0.0)$

symbol a_{11} : $(-inf, 0.0]$

symbol a_{22} : $(-inf, 0.0)$

symbol b_1 : $[-0.0, inf)$

symbol b_2 : $[-0.0, inf)$

symbol a_{21} : $(-0.0, inf)$

$$-c_1a_{12} + c_2a_{11} > 0$$

$$a_{12}a_{21} - a_{11}a_{22} > 0$$

$$c_2a_{21} - c_1a_{22} > 0$$

$$-3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 + 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} - a_{11}^3a_{22}^3 + a_{12}^3a_{21}^3 \geq 0$$

$$-a_{12}^2a_{21}^2 + 2.00 \cdot a_{12}a_{11}a_{22}a_{21} - a_{11}^2a_{22}^2 > 0$$

$$a_{12}c_2a_{21}^2 - c_1a_{12}a_{22}a_{21} - c_2a_{11}a_{22}a_{21} + c_1a_{11}a_{22}^2 \geq 0$$

$$-3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 + 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} - a_{11}^3a_{22}^3 + a_{12}^3a_{21}^3 > 0$$

$$-a_{12}^3a_{21}^3 + 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 - 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} + a_{11}^3a_{22}^3 > 0$$

$$8.00 \cdot a_{12}^7a_{11}a_{22}a_{21}^7 - 28.00 \cdot a_{12}^6a_{11}^2a_{22}^2a_{21}^6 + 56.00 \cdot a_{12}^5a_{11}^3a_{22}^3a_{21}^5 - 70.00 \cdot a_{12}^4a_{11}^4a_{22}^4a_{21}^4 + 56.00 \cdot$$

$$a_{12}^3a_{11}^5a_{22}^5a_{21}^3 - a_{12}^8a_{21}^8 - 28.00 \cdot a_{12}^2a_{11}^6a_{22}^6a_{21}^2 + 8.00 \cdot a_{12}a_{11}^7a_{22}^7a_{21} - a_{11}^8a_{22}^8 \geq 0$$

$$-8.00 \cdot a_{12}^7a_{11}a_{22}a_{21}^7 + 28.00 \cdot a_{12}^6a_{11}^2a_{22}^2a_{21}^6 - 56.00 \cdot a_{12}^5a_{11}^3a_{22}^3a_{21}^5 + 70.00 \cdot a_{12}^4a_{11}^4a_{22}^4a_{21}^4 - 56.00 \cdot$$

$$a_{12}^3a_{11}^5a_{22}^5a_{21}^3 + a_{12}^8a_{21}^8 + 28.00 \cdot a_{12}^2a_{11}^6a_{22}^6a_{21}^2 - 8.00 \cdot a_{12}a_{11}^7a_{22}^7a_{21} + a_{11}^8a_{22}^8 > 0$$

pot #33:

symbol a_{12} : $(-0.0, inf)$

symbol c_1 : $[-0.0, inf)$

symbol c_2 : $(-inf, 0.0)$

symbol a_{11} : $(-inf, 0.0]$

symbol a_{22} : $(-inf, 0.0)$

symbol b_1 : $[-0.0, inf)$

symbol b_2 : $[-0.0, inf)$

symbol a_{21} : $(-0.0, inf)$

$$-c_1a_{12} + c_2a_{11} > 0$$

$$a_{12}a_{21} - a_{11}a_{22} > 0$$

$$c_2a_{21} - c_1a_{22} > 0$$

$$-3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 + 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} - a_{11}^3a_{22}^3 + a_{12}^3a_{21}^3 \geq 0$$

$$-a_{12}^2a_{21}^2 + 2.00 \cdot a_{12}a_{11}a_{22}a_{21} - a_{11}^2a_{22}^2 > 0$$

$$a_{12}c_2a_{21}^2 - c_1a_{12}a_{22}a_{21} - c_2a_{11}a_{22}a_{21} + c_1a_{11}a_{22}^2 \geq 0$$

$$-3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 + 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} - a_{11}^3a_{22}^3 + a_{12}^3a_{21}^3 > 0$$

$$-a_{12}^3a_{21}^3 + 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 - 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} + a_{11}^3a_{22}^3 > 0$$

$$-8.00 \cdot a_{12}^7a_{11}a_{22}a_{21}^7 + 28.00 \cdot a_{12}^6a_{11}^2a_{22}^2a_{21}^6 - 56.00 \cdot a_{12}^5a_{11}^3a_{22}^3a_{21}^5 + 70.00 \cdot a_{12}^4a_{11}^4a_{22}^4a_{21}^4 - 56.00 \cdot$$

$$\begin{aligned}
& a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + a_{12}^8 a_{21}^8 + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + a_{11}^8 a_{22}^8 \geq 0 \\
& 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 + 56.00 \cdot \\
& a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - a_{12}^8 a_{21}^8 - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - a_{11}^8 a_{22}^8 > 0
\end{aligned}$$

pot #34:

symbol a_{12} : $(-0.0, inf)$

symbol c_1 : $[-0.0, inf)$

symbol c_2 : $(-inf, 0.0)$

symbol a_{11} : $(-inf, 0.0]$

symbol a_{22} : $(-inf, 0.0)$

symbol b_1 : -0.0

symbol b_2 : $[-0.0, inf)$

symbol a_{21} : $(-0.0, inf)$

$$-c_1 a_{12} + c_2 a_{11} > 0$$

$$a_{12} a_{21} - a_{11} a_{22} > 0$$

$$c_2 a_{21} - c_1 a_{22} > 0$$

$$-3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 + a_{12}^3 a_{21}^3 \geq 0$$

$$-a_{12}^2 a_{21}^2 + 2.00 \cdot a_{12} a_{11} a_{22} a_{21} - a_{11}^2 a_{22}^2 > 0$$

$$a_{12} c_2 a_{21}^2 - c_1 a_{12} a_{22} a_{21} - c_2 a_{11} a_{22} a_{21} + c_1 a_{11} a_{22}^2 \geq 0$$

$$-3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 + a_{12}^3 a_{21}^3 > 0$$

$$-a_{12}^3 a_{21}^3 + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 > 0$$

$$8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 + 56.00 \cdot$$

$$a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - a_{12}^8 a_{21}^8 - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - a_{11}^8 a_{22}^8 \geq 0$$

$$8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 + 56.00 \cdot$$

$$a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - a_{12}^8 a_{21}^8 - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - a_{11}^8 a_{22}^8 > 0$$

pot #35:

symbol a_{12} : $(-0.0, inf)$

symbol c_1 : $[-0.0, inf)$

symbol c_2 : $(-inf, 0.0)$

symbol a_{11} : $(-inf, 0.0]$

symbol a_{22} : $(-inf, 0.0)$

symbol b_1 : -0.0

symbol b_2 : $[-0.0, inf)$

symbol a_{21} : $(-0.0, inf)$

$$-c_1 a_{12} + c_2 a_{11} > 0$$

$$a_{12} a_{21} - a_{11} a_{22} > 0$$

$$c_2 a_{21} - c_1 a_{22} > 0$$

$$-3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 + a_{12}^3 a_{21}^3 \geq 0$$

$$-a_{12}^2 a_{21}^2 + 2.00 \cdot a_{12} a_{11} a_{22} a_{21} - a_{11}^2 a_{22}^2 > 0$$

$$a_{12} c_2 a_{21}^2 - c_1 a_{12} a_{22} a_{21} - c_2 a_{11} a_{22} a_{21} + c_1 a_{11} a_{22}^2 \geq 0$$

$$-3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 + a_{12}^3 a_{21}^3 > 0$$

$$-a_{12}^3 a_{21}^3 + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 > 0$$

$$-8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 - 56.00 \cdot$$

$$a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + a_{12}^8 a_{21}^8 + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + a_{11}^8 a_{22}^8 \geq 0$$

$$-8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 - 56.00 \cdot$$

$$a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + a_{12}^8 a_{21}^8 + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + a_{11}^8 a_{22}^8 > 0$$

pot #36:

symbol a_{12} : $(-0.0, inf)$

symbol c_1 : $[-0.0, inf)$

symbol c_2 : $(-inf, 0.0)$

symbol a_{11} : $(-inf, 0.0]$

symbol $a_{22} : (-inf, 0.0)$
symbol $b_1 : [-0.0, inf)$
symbol $b_2 : [-0.0, inf)$
symbol $a_{21} : (-0.0, inf)$
 $-c_1 a_{12} + c_2 a_{11} > 0$
 $a_{12} a_{21} - a_{11} a_{22} > 0$
 $c_2 a_{21} - c_1 a_{22} > 0$
 $-3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 + a_{12}^3 a_{21}^3 \geq 0$
 $-a_{12}^2 a_{21}^2 + 2.00 \cdot a_{12} a_{11} a_{22} a_{21} - a_{11}^2 a_{22}^2 > 0$
 $a_{12} c_2 a_{21}^2 - c_1 a_{12} a_{22} a_{21} - c_2 a_{11} a_{22} a_{21} + c_1 a_{11} a_{22}^2 \geq 0$
 $3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 - a_{12}^3 a_{21}^3 > 0$
 $a_{12}^3 a_{21}^3 - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 > 0$

pot #37:

symbol $a_{12} : (-0.0, inf)$
symbol $c_1 : [-0.0, inf)$
symbol $c_2 : (-inf, 0.0)$
symbol $a_{11} : (-inf, 0.0]$
symbol $a_{22} : (-inf, 0.0)$
symbol $b_1 : [-0.0, inf)$
symbol $b_2 : [-0.0, inf)$
symbol $a_{21} : (-0.0, inf)$
 $-c_1 a_{12} + c_2 a_{11} > 0$
 $a_{12} a_{21} - a_{11} a_{22} > 0$
 $c_2 a_{21} - c_1 a_{22} > 0$
 $-3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 + a_{12}^3 a_{21}^3 \geq 0$
 $-a_{12}^2 a_{21}^2 + 2.00 \cdot a_{12} a_{11} a_{22} a_{21} - a_{11}^2 a_{22}^2 > 0$
 $a_{12} c_2 a_{21}^2 - c_1 a_{12} a_{22} a_{21} - c_2 a_{11} a_{22} a_{21} + c_1 a_{11} a_{22}^2 \geq 0$
 $3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 - a_{12}^3 a_{21}^3 > 0$
 $3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 - a_{12}^3 a_{21}^3 \geq 0$

pot #38:

symbol $a_{12} : (-0.0, inf)$
symbol $c_1 : [-0.0, inf)$
symbol $c_2 : (-inf, 0.0)$
symbol $a_{11} : (-inf, 0.0]$
symbol $a_{22} : (-inf, 0.0)$
symbol $b_1 : [-0.0, inf)$
symbol $b_2 : [-0.0, inf)$
symbol $a_{21} : (-0.0, inf)$
 $-c_1 a_{12} + c_2 a_{11} > 0$
 $a_{12} a_{21} - a_{11} a_{22} > 0$
 $c_2 a_{21} - c_1 a_{22} > 0$
 $-3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 + a_{12}^3 a_{21}^3 \geq 0$
 $-a_{12}^2 a_{21}^2 + 2.00 \cdot a_{12} a_{11} a_{22} a_{21} - a_{11}^2 a_{22}^2 > 0$
 $a_{12} c_2 a_{21}^2 - c_1 a_{12} a_{22} a_{21} - c_2 a_{11} a_{22} a_{21} + c_1 a_{11} a_{22}^2 \geq 0$
 $-3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 + a_{12}^3 a_{21}^3 > 0$

pot #39:

symbol $a_{12} : (-0.0, inf)$
symbol $c_1 : [-0.0, inf)$
symbol $c_2 : (-inf, 0.0)$
symbol $a_{11} : (-inf, 0.0]$

symbol $a_{22} : (-inf, 0.0)$

symbol $b_1 : [-0.0, inf)$

symbol $b_2 : [-0.0, inf)$

symbol $a_{21} : (-0.0, inf)$

$$-c_1 a_{12} + c_2 a_{11} > 0$$

$$a_{12} a_{21} - a_{11} a_{22} > 0$$

$$c_2 a_{21} - c_1 a_{22} > 0$$

$$-3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 + a_{12}^3 a_{21}^3 \geq 0$$

$$-a_{12}^2 a_{21}^2 + 2.00 \cdot a_{12} a_{11} a_{22} a_{21} - a_{11}^2 a_{22}^2 > 0$$

$$a_{12} c_2 a_{21}^2 - c_1 a_{12} a_{22} a_{21} - c_2 a_{11} a_{22} a_{21} + c_1 a_{11} a_{22}^2 \geq 0$$

$$-3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 + a_{12}^3 a_{21}^3 > 0$$

$$3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 - a_{12}^3 a_{21}^3 \geq 0$$

$$-a_{12}^3 a_{21}^3 + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 > 0$$

pot #40:

symbol $a_{12} : (-0.0, inf)$

symbol $c_1 : [-0.0, inf)$

symbol $c_2 : (-inf, 0.0)$

symbol $a_{11} : (-inf, 0.0]$

symbol $a_{22} : (-inf, 0.0)$

symbol $b_1 : [-0.0, inf)$

symbol $b_2 : -0.0$

symbol $a_{21} : (-0.0, inf)$

$$-c_1 a_{12} + c_2 a_{11} > 0$$

$$a_{12} a_{21} - a_{11} a_{22} > 0$$

$$c_2 a_{21} - c_1 a_{22} > 0$$

$$3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 - a_{12}^3 a_{21}^3 \geq 0$$

$$-a_{12}^2 a_{21}^2 + 2.00 \cdot a_{12} a_{11} a_{22} a_{21} - a_{11}^2 a_{22}^2 > 0$$

$$a_{12} c_2 a_{21}^2 - c_1 a_{12} a_{22} a_{21} - c_2 a_{11} a_{22} a_{21} + c_1 a_{11} a_{22}^2 \geq 0$$

$$3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 - a_{12}^3 a_{21}^3 > 0$$

$$a_{12}^3 a_{21}^3 - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 > 0$$

$$8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 + 56.00 \cdot$$

$$a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - a_{12}^8 a_{21}^8 - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - a_{11}^8 a_{22}^8 \geq 0$$

$$-8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 - 56.00 \cdot$$

$$a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + a_{12}^8 a_{21}^8 + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + a_{11}^8 a_{22}^8 > 0$$

pot #41:

symbol $a_{12} : (-0.0, inf)$

symbol $c_1 : [-0.0, inf)$

symbol $c_2 : (-inf, 0.0)$

symbol $a_{11} : (-inf, 0.0]$

symbol $a_{22} : (-inf, 0.0)$

symbol $b_1 : [-0.0, inf)$

symbol $b_2 : -0.0$

symbol $a_{21} : (-0.0, inf)$

$$-c_1 a_{12} + c_2 a_{11} > 0$$

$$a_{12} a_{21} - a_{11} a_{22} > 0$$

$$c_2 a_{21} - c_1 a_{22} > 0$$

$$3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 - a_{12}^3 a_{21}^3 \geq 0$$

$$-a_{12}^2 a_{21}^2 + 2.00 \cdot a_{12} a_{11} a_{22} a_{21} - a_{11}^2 a_{22}^2 > 0$$

$$a_{12} c_2 a_{21}^2 - c_1 a_{12} a_{22} a_{21} - c_2 a_{11} a_{22} a_{21} + c_1 a_{11} a_{22}^2 \geq 0$$

$$3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 - a_{12}^3 a_{21}^3 > 0$$

$$\begin{aligned}
& a_{12}^3 a_{21}^3 - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 > 0 \\
& -8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 - 56.00 \cdot \\
& a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + a_{12}^8 a_{21}^8 + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + a_{11}^8 a_{22}^8 \geq 0 \\
& 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 + 56.00 \cdot \\
& a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - a_{12}^8 a_{21}^8 - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - a_{11}^8 a_{22}^8 > 0
\end{aligned}$$

pot #42:

symbol a_{12} : $(-0.0, inf)$

symbol c_1 : $[-0.0, inf)$

symbol c_2 : $(-inf, 0.0)$

symbol a_{11} : $(-inf, 0.0]$

symbol a_{22} : $(-inf, 0.0)$

symbol b_1 : -0.0

symbol b_2 : -0.0

symbol a_{21} : $(-0.0, inf)$

$$-c_1 a_{12} + c_2 a_{11} > 0$$

$$a_{12} a_{21} - a_{11} a_{22} > 0$$

$$c_2 a_{21} - c_1 a_{22} > 0$$

$$3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 - a_{12}^3 a_{21}^3 \geq 0$$

$$-a_{12}^2 a_{21}^2 + 2.00 \cdot a_{12} a_{11} a_{22} a_{21} - a_{11}^2 a_{22}^2 > 0$$

$$a_{12} c_2 a_{21}^2 - c_1 a_{12} a_{22} a_{21} - c_2 a_{11} a_{22} a_{21} + c_1 a_{11} a_{22}^2 \geq 0$$

$$3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 - a_{12}^3 a_{21}^3 > 0$$

$$a_{12}^3 a_{21}^3 - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 > 0$$

$$8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 + 56.00 \cdot$$

$$a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - a_{12}^8 a_{21}^8 - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - a_{11}^8 a_{22}^8 \geq 0$$

$$8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 + 56.00 \cdot$$

$$a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - a_{12}^8 a_{21}^8 - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - a_{11}^8 a_{22}^8 > 0$$

pot #43:

symbol a_{12} : $(-0.0, inf)$

symbol c_1 : $[-0.0, inf)$

symbol c_2 : $(-inf, 0.0)$

symbol a_{11} : $(-inf, 0.0]$

symbol a_{22} : $(-inf, 0.0)$

symbol b_1 : -0.0

symbol b_2 : -0.0

symbol a_{21} : $(-0.0, inf)$

$$-c_1 a_{12} + c_2 a_{11} > 0$$

$$a_{12} a_{21} - a_{11} a_{22} > 0$$

$$c_2 a_{21} - c_1 a_{22} > 0$$

$$3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 - a_{12}^3 a_{21}^3 \geq 0$$

$$-a_{12}^2 a_{21}^2 + 2.00 \cdot a_{12} a_{11} a_{22} a_{21} - a_{11}^2 a_{22}^2 > 0$$

$$a_{12} c_2 a_{21}^2 - c_1 a_{12} a_{22} a_{21} - c_2 a_{11} a_{22} a_{21} + c_1 a_{11} a_{22}^2 \geq 0$$

$$3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 - a_{12}^3 a_{21}^3 > 0$$

$$a_{12}^3 a_{21}^3 - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 > 0$$

$$-8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 - 56.00 \cdot$$

$$a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + a_{12}^8 a_{21}^8 + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + a_{11}^8 a_{22}^8 \geq 0$$

$$-8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 - 56.00 \cdot$$

$$a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + a_{12}^8 a_{21}^8 + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + a_{11}^8 a_{22}^8 > 0$$

pot #44:

symbol a_{12} : $(-0.0, inf)$

symbol c_1 : $[-0.0, inf)$

symbol $c_2 : (-inf, 0.0)$
symbol $a_{11} : (-inf, 0.0]$
symbol $a_{22} : (-inf, 0.0)$
symbol $b_1 : [-0.0, inf)$
symbol $b_2 : -0.0$
symbol $a_{21} : (-0.0, inf)$
 $-c_1 a_{12} + c_2 a_{11} > 0$
 $a_{12} a_{21} - a_{11} a_{22} > 0$
 $c_2 a_{21} - c_1 a_{22} > 0$
 $3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 - a_{12}^3 a_{21}^3 \geq 0$
 $-a_{12}^2 a_{21}^2 + 2.00 \cdot a_{12} a_{11} a_{22} a_{21} - a_{11}^2 a_{22}^2 > 0$
 $a_{12} c_2 a_{21}^2 - c_1 a_{12} a_{22} a_{21} - c_2 a_{11} a_{22} a_{21} + c_1 a_{11} a_{22}^2 \geq 0$
 $3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 - a_{12}^3 a_{21}^3 > 0$
 $-3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 + a_{12}^3 a_{21}^3 > 0$
 $8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 + 56.00 \cdot$
 $a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - a_{12}^8 a_{21}^8 - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - a_{11}^8 a_{22}^8 \geq 0$
 $-8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 - 56.00 \cdot$
 $a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + a_{12}^8 a_{21}^8 + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + a_{11}^8 a_{22}^8 > 0$
pot #45:
symbol $a_{12} : (-0.0, inf)$
symbol $c_1 : [-0.0, inf)$
symbol $c_2 : (-inf, 0.0)$
symbol $a_{11} : (-inf, 0.0]$
symbol $a_{22} : (-inf, 0.0)$
symbol $b_1 : [-0.0, inf)$
symbol $b_2 : -0.0$
symbol $a_{21} : (-0.0, inf)$
 $-c_1 a_{12} + c_2 a_{11} > 0$
 $a_{12} a_{21} - a_{11} a_{22} > 0$
 $c_2 a_{21} - c_1 a_{22} > 0$
 $3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 - a_{12}^3 a_{21}^3 \geq 0$
 $-a_{12}^2 a_{21}^2 + 2.00 \cdot a_{12} a_{11} a_{22} a_{21} - a_{11}^2 a_{22}^2 > 0$
 $a_{12} c_2 a_{21}^2 - c_1 a_{12} a_{22} a_{21} - c_2 a_{11} a_{22} a_{21} + c_1 a_{11} a_{22}^2 \geq 0$
 $3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 - a_{12}^3 a_{21}^3 > 0$
 $-3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 + a_{12}^3 a_{21}^3 > 0$
 $-8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 - 56.00 \cdot$
 $a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + a_{12}^8 a_{21}^8 + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + a_{11}^8 a_{22}^8 \geq 0$
 $8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 + 56.00 \cdot$
 $a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - a_{12}^8 a_{21}^8 - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - a_{11}^8 a_{22}^8 > 0$
pot #46:
symbol $a_{12} : (-0.0, inf)$
symbol $c_1 : [-0.0, inf)$
symbol $c_2 : (-inf, 0.0)$
symbol $a_{11} : (-inf, 0.0]$
symbol $a_{22} : (-inf, 0.0)$
symbol $b_1 : -0.0$
symbol $b_2 : -0.0$
symbol $a_{21} : (-0.0, inf)$
 $-c_1 a_{12} + c_2 a_{11} > 0$
 $a_{12} a_{21} - a_{11} a_{22} > 0$

$$-8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 - 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + a_{12}^8 a_{21}^8 + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + a_{11}^8 a_{22}^8 > 0$$

pot #49:

symbol a_{12} : $(-0.0, inf)$

symbol c_1 : $[-0.0, inf)$

symbol c_2 : $(-inf, 0.0)$

symbol a_{11} : $(-inf, 0.0]$

symbol a_{22} : $(-inf, 0.0)$

symbol b_1 : $[-0.0, inf)$

symbol b_2 : -0.0

symbol a_{21} : $(-0.0, inf)$

$$-c_1 a_{12} + c_2 a_{11} > 0$$

$$a_{12} a_{21} - a_{11} a_{22} > 0$$

$$c_2 a_{21} - c_1 a_{22} > 0$$

$$3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 - a_{12}^3 a_{21}^3 \geq 0$$

$$-a_{12}^2 a_{21}^2 + 2.00 \cdot a_{12} a_{11} a_{22} a_{21} - a_{11}^2 a_{22}^2 > 0$$

$$a_{12} c_2 a_{21}^2 - c_1 a_{12} a_{22} a_{21} - c_2 a_{11} a_{22} a_{21} + c_1 a_{11} a_{22}^2 \geq 0$$

$$-3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 + a_{12}^3 a_{21}^3 > 0$$

$$3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 - a_{12}^3 a_{21}^3 > 0$$

$$-8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 - 56.00 \cdot$$

$$a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + a_{12}^8 a_{21}^8 + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + a_{11}^8 a_{22}^8 \geq 0$$

$$8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 + 56.00 \cdot$$

$$a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - a_{12}^8 a_{21}^8 - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - a_{11}^8 a_{22}^8 > 0$$

pot #50:

symbol a_{12} : $(-0.0, inf)$

symbol c_1 : $[-0.0, inf)$

symbol c_2 : $(-inf, 0.0)$

symbol a_{11} : $(-inf, 0.0]$

symbol a_{22} : $(-inf, 0.0)$

symbol b_1 : -0.0

symbol b_2 : -0.0

symbol a_{21} : $(-0.0, inf)$

$$-c_1 a_{12} + c_2 a_{11} > 0$$

$$a_{12} a_{21} - a_{11} a_{22} > 0$$

$$c_2 a_{21} - c_1 a_{22} > 0$$

$$3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 - a_{12}^3 a_{21}^3 \geq 0$$

$$-a_{12}^2 a_{21}^2 + 2.00 \cdot a_{12} a_{11} a_{22} a_{21} - a_{11}^2 a_{22}^2 > 0$$

$$a_{12} c_2 a_{21}^2 - c_1 a_{12} a_{22} a_{21} - c_2 a_{11} a_{22} a_{21} + c_1 a_{11} a_{22}^2 \geq 0$$

$$-3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 + a_{12}^3 a_{21}^3 > 0$$

$$3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 - a_{12}^3 a_{21}^3 > 0$$

$$8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 + 56.00 \cdot$$

$$a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - a_{12}^8 a_{21}^8 - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - a_{11}^8 a_{22}^8 \geq 0$$

$$8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 + 56.00 \cdot$$

$$a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - a_{12}^8 a_{21}^8 - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - a_{11}^8 a_{22}^8 > 0$$

pot #51:

symbol a_{12} : $(-0.0, inf)$

symbol c_1 : $[-0.0, inf)$

symbol c_2 : $(-inf, 0.0)$

symbol a_{11} : $(-inf, 0.0]$

symbol a_{22} : $(-inf, 0.0)$

symbol $b_1 : -0.0$

symbol $b_2 : -0.0$

symbol $a_{21} : (-0.0, inf)$

$-c_1 a_{12} + c_2 a_{11} > 0$

$a_{12} a_{21} - a_{11} a_{22} > 0$

$c_2 a_{21} - c_1 a_{22} > 0$

$3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 - a_{12}^3 a_{21}^3 \geq 0$

$-a_{12}^2 a_{21}^2 + 2.00 \cdot a_{12} a_{11} a_{22} a_{21} - a_{11}^2 a_{22}^2 > 0$

$a_{12} c_2 a_{21}^2 - c_1 a_{12} a_{22} a_{21} - c_2 a_{11} a_{22} a_{21} + c_1 a_{11} a_{22}^2 \geq 0$

$-3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 + a_{12}^3 a_{21}^3 > 0$

$3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 - a_{12}^3 a_{21}^3 > 0$

$-8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 - 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + a_{12}^8 a_{21}^8 + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + a_{11}^8 a_{22}^8 \geq 0$

$-8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 - 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + a_{12}^8 a_{21}^8 + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + a_{11}^8 a_{22}^8 > 0$

pot #52:

symbol $a_{12} : (-0.0, inf)$

symbol $c_1 : [-0.0, inf)$

symbol $c_2 : (-inf, 0.0)$

symbol $a_{11} : (-inf, 0.0]$

symbol $a_{22} : (-inf, 0.0)$

symbol $b_1 : [-0.0, inf)$

symbol $b_2 : -0.0$

symbol $a_{21} : (-0.0, inf)$

$-c_1 a_{12} + c_2 a_{11} > 0$

$a_{12} a_{21} - a_{11} a_{22} > 0$

$c_2 a_{21} - c_1 a_{22} > 0$

$3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 - a_{12}^3 a_{21}^3 \geq 0$

$-a_{12}^2 a_{21}^2 + 2.00 \cdot a_{12} a_{11} a_{22} a_{21} - a_{11}^2 a_{22}^2 > 0$

$a_{12} c_2 a_{21}^2 - c_1 a_{12} a_{22} a_{21} - c_2 a_{11} a_{22} a_{21} + c_1 a_{11} a_{22}^2 \geq 0$

$-3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 + a_{12}^3 a_{21}^3 > 0$

$-a_{12}^3 a_{21}^3 + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 > 0$

$8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 + 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - a_{12}^8 a_{21}^8 - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - a_{11}^8 a_{22}^8 \geq 0$

$-8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 - 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + a_{12}^8 a_{21}^8 + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + a_{11}^8 a_{22}^8 > 0$

pot #53:

symbol $a_{12} : (-0.0, inf)$

symbol $c_1 : [-0.0, inf)$

symbol $c_2 : (-inf, 0.0)$

symbol $a_{11} : (-inf, 0.0]$

symbol $a_{22} : (-inf, 0.0)$

symbol $b_1 : [-0.0, inf)$

symbol $b_2 : -0.0$

symbol $a_{21} : (-0.0, inf)$

$-c_1 a_{12} + c_2 a_{11} > 0$

$a_{12} a_{21} - a_{11} a_{22} > 0$

$c_2 a_{21} - c_1 a_{22} > 0$

$3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 - a_{12}^3 a_{21}^3 \geq 0$

$-a_{12}^2 a_{21}^2 + 2.00 \cdot a_{12} a_{11} a_{22} a_{21} - a_{11}^2 a_{22}^2 > 0$

$$\begin{aligned}
& a_{12}c_2a_{21}^2 - c_1a_{12}a_{22}a_{21} - c_2a_{11}a_{22}a_{21} + c_1a_{11}a_{22}^2 \geq 0 \\
& -3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 + 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} - a_{11}^3a_{22}^3 + a_{12}^3a_{21}^3 > 0 \\
& -a_{12}^3a_{21}^3 + 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 - 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} + a_{11}^3a_{22}^3 > 0 \\
& -8.00 \cdot a_{12}^7a_{11}a_{22}a_{21}^7 + 28.00 \cdot a_{12}^6a_{11}^2a_{22}^2a_{21}^6 - 56.00 \cdot a_{12}^5a_{11}^3a_{22}^3a_{21}^5 + 70.00 \cdot a_{12}^4a_{11}^4a_{22}^4a_{21}^4 - 56.00 \cdot \\
& a_{12}^3a_{11}^5a_{22}^2a_{21}^3 + a_{12}^8a_{21}^8 + 28.00 \cdot a_{12}^7a_{11}^6a_{22}^6a_{21}^7 - 8.00 \cdot a_{12}a_{11}^7a_{22}^7a_{21} + a_{11}^8a_{22}^8 \geq 0 \\
& 8.00 \cdot a_{12}^7a_{11}a_{22}a_{21}^7 - 28.00 \cdot a_{12}^6a_{11}^2a_{22}^2a_{21}^6 + 56.00 \cdot a_{12}^5a_{11}^3a_{22}^3a_{21}^5 - 70.00 \cdot a_{12}^4a_{11}^4a_{22}^4a_{21}^4 + 56.00 \cdot \\
& a_{12}^3a_{11}^5a_{22}^2a_{21}^3 - a_{12}^8a_{21}^8 - 28.00 \cdot a_{12}^7a_{11}^6a_{22}^6a_{21}^7 + 8.00 \cdot a_{12}a_{11}^7a_{22}^7a_{21} - a_{11}^8a_{22}^8 > 0
\end{aligned}$$

pot #54:

symbol a_{12} : $(-0.0, inf)$

symbol c_1 : $[-0.0, inf)$

symbol c_2 : $(-inf, 0.0)$

symbol a_{11} : $(-inf, 0.0]$

symbol a_{22} : $(-inf, 0.0)$

symbol b_1 : -0.0

symbol b_2 : -0.0

symbol a_{21} : $(-0.0, inf)$

$$-c_1a_{12} + c_2a_{11} > 0$$

$$a_{12}a_{21} - a_{11}a_{22} > 0$$

$$c_2a_{21} - c_1a_{22} > 0$$

$$3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 - 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} + a_{11}^3a_{22}^3 - a_{12}^3a_{21}^3 \geq 0$$

$$-a_{12}^2a_{21}^2 + 2.00 \cdot a_{12}a_{11}a_{22}a_{21} - a_{11}^2a_{22}^2 > 0$$

$$a_{12}c_2a_{21}^2 - c_1a_{12}a_{22}a_{21} - c_2a_{11}a_{22}a_{21} + c_1a_{11}a_{22}^2 \geq 0$$

$$-3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 + 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} - a_{11}^3a_{22}^3 + a_{12}^3a_{21}^3 > 0$$

$$-a_{12}^3a_{21}^3 + 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 - 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} + a_{11}^3a_{22}^3 > 0$$

$$8.00 \cdot a_{12}^7a_{11}a_{22}a_{21}^7 - 28.00 \cdot a_{12}^6a_{11}^2a_{22}^2a_{21}^6 + 56.00 \cdot a_{12}^5a_{11}^3a_{22}^3a_{21}^5 - 70.00 \cdot a_{12}^4a_{11}^4a_{22}^4a_{21}^4 + 56.00 \cdot$$

$$a_{12}^3a_{11}^5a_{22}^2a_{21}^3 - a_{12}^8a_{21}^8 - 28.00 \cdot a_{12}^7a_{11}^6a_{22}^6a_{21}^7 + 8.00 \cdot a_{12}a_{11}^7a_{22}^7a_{21} - a_{11}^8a_{22}^8 \geq 0$$

$$8.00 \cdot a_{12}^7a_{11}a_{22}a_{21}^7 - 28.00 \cdot a_{12}^6a_{11}^2a_{22}^2a_{21}^6 + 56.00 \cdot a_{12}^5a_{11}^3a_{22}^3a_{21}^5 - 70.00 \cdot a_{12}^4a_{11}^4a_{22}^4a_{21}^4 + 56.00 \cdot$$

$$a_{12}^3a_{11}^5a_{22}^2a_{21}^3 - a_{12}^8a_{21}^8 - 28.00 \cdot a_{12}^7a_{11}^6a_{22}^6a_{21}^7 + 8.00 \cdot a_{12}a_{11}^7a_{22}^7a_{21} - a_{11}^8a_{22}^8 > 0$$

pot #55:

symbol a_{12} : $(-0.0, inf)$

symbol c_1 : $[-0.0, inf)$

symbol c_2 : $(-inf, 0.0)$

symbol a_{11} : $(-inf, 0.0]$

symbol a_{22} : $(-inf, 0.0)$

symbol b_1 : -0.0

symbol b_2 : -0.0

symbol a_{21} : $(-0.0, inf)$

$$-c_1a_{12} + c_2a_{11} > 0$$

$$a_{12}a_{21} - a_{11}a_{22} > 0$$

$$c_2a_{21} - c_1a_{22} > 0$$

$$3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 - 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} + a_{11}^3a_{22}^3 - a_{12}^3a_{21}^3 \geq 0$$

$$-a_{12}^2a_{21}^2 + 2.00 \cdot a_{12}a_{11}a_{22}a_{21} - a_{11}^2a_{22}^2 > 0$$

$$a_{12}c_2a_{21}^2 - c_1a_{12}a_{22}a_{21} - c_2a_{11}a_{22}a_{21} + c_1a_{11}a_{22}^2 \geq 0$$

$$-3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 + 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} - a_{11}^3a_{22}^3 + a_{12}^3a_{21}^3 > 0$$

$$-a_{12}^3a_{21}^3 + 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 - 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} + a_{11}^3a_{22}^3 > 0$$

$$-8.00 \cdot a_{12}^7a_{11}a_{22}a_{21}^7 + 28.00 \cdot a_{12}^6a_{11}^2a_{22}^2a_{21}^6 - 56.00 \cdot a_{12}^5a_{11}^3a_{22}^3a_{21}^5 + 70.00 \cdot a_{12}^4a_{11}^4a_{22}^4a_{21}^4 - 56.00 \cdot$$

$$a_{12}^3a_{11}^5a_{22}^2a_{21}^3 + a_{12}^8a_{21}^8 + 28.00 \cdot a_{12}^7a_{11}^6a_{22}^6a_{21}^7 - 8.00 \cdot a_{12}a_{11}^7a_{22}^7a_{21} + a_{11}^8a_{22}^8 \geq 0$$

$$-8.00 \cdot a_{12}^7a_{11}a_{22}a_{21}^7 + 28.00 \cdot a_{12}^6a_{11}^2a_{22}^2a_{21}^6 - 56.00 \cdot a_{12}^5a_{11}^3a_{22}^3a_{21}^5 + 70.00 \cdot a_{12}^4a_{11}^4a_{22}^4a_{21}^4 - 56.00 \cdot$$

$$a_{12}^3a_{11}^5a_{22}^2a_{21}^3 + a_{12}^8a_{21}^8 + 28.00 \cdot a_{12}^7a_{11}^6a_{22}^6a_{21}^7 - 8.00 \cdot a_{12}a_{11}^7a_{22}^7a_{21} + a_{11}^8a_{22}^8 > 0$$

pot #56:

symbol $a_{12} : (-0.0, inf)$
symbol $c_1 : [-0.0, inf)$
symbol $c_2 : (-inf, 0.0)$
symbol $a_{11} : (-inf, 0.0]$
symbol $a_{22} : (-inf, 0.0)$
symbol $b_1 : [-0.0, inf)$
symbol $b_2 : -0.0$
symbol $a_{21} : (-0.0, inf)$
 $-c_1 a_{12} + c_2 a_{11} > 0$
 $a_{12} a_{21} - a_{11} a_{22} > 0$
 $c_2 a_{21} - c_1 a_{22} > 0$
 $3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 - a_{12}^3 a_{21}^3 \geq 0$
 $-a_{12}^2 a_{21}^2 + 2.00 \cdot a_{12} a_{11} a_{22} a_{21} - a_{11}^2 a_{22}^2 > 0$
 $a_{12} c_2 a_{21}^2 - c_1 a_{12} a_{22} a_{21} - c_2 a_{11} a_{22} a_{21} + c_1 a_{11} a_{22}^2 \geq 0$
 $3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 - a_{12}^3 a_{21}^3 > 0$
 $-3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 + a_{12}^3 a_{21}^3 \geq 0$
 $a_{12}^3 a_{21}^3 - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 > 0$
pot #57:
symbol $a_{12} : (-0.0, inf)$
symbol $c_1 : [-0.0, inf)$
symbol $c_2 : (-inf, 0.0)$
symbol $a_{11} : (-inf, 0.0]$
symbol $a_{22} : (-inf, 0.0)$
symbol $b_1 : [-0.0, inf)$
symbol $b_2 : -0.0$
symbol $a_{21} : (-0.0, inf)$
 $-c_1 a_{12} + c_2 a_{11} > 0$
 $a_{12} a_{21} - a_{11} a_{22} > 0$
 $c_2 a_{21} - c_1 a_{22} > 0$
 $3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 - a_{12}^3 a_{21}^3 \geq 0$
 $-a_{12}^2 a_{21}^2 + 2.00 \cdot a_{12} a_{11} a_{22} a_{21} - a_{11}^2 a_{22}^2 > 0$
 $a_{12} c_2 a_{21}^2 - c_1 a_{12} a_{22} a_{21} - c_2 a_{11} a_{22} a_{21} + c_1 a_{11} a_{22}^2 \geq 0$
 $3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 - a_{12}^3 a_{21}^3 > 0$
pot #58:
symbol $a_{12} : (-0.0, inf)$
symbol $c_1 : [-0.0, inf)$
symbol $c_2 : (-inf, 0.0)$
symbol $a_{11} : (-inf, 0.0]$
symbol $a_{22} : (-inf, 0.0)$
symbol $b_1 : [-0.0, inf)$
symbol $b_2 : -0.0$
symbol $a_{21} : (-0.0, inf)$
 $-c_1 a_{12} + c_2 a_{11} > 0$
 $a_{12} a_{21} - a_{11} a_{22} > 0$
 $c_2 a_{21} - c_1 a_{22} > 0$
 $3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 - a_{12}^3 a_{21}^3 \geq 0$
 $-a_{12}^2 a_{21}^2 + 2.00 \cdot a_{12} a_{11} a_{22} a_{21} - a_{11}^2 a_{22}^2 > 0$
 $a_{12} c_2 a_{21}^2 - c_1 a_{12} a_{22} a_{21} - c_2 a_{11} a_{22} a_{21} + c_1 a_{11} a_{22}^2 \geq 0$
 $-3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 + a_{12}^3 a_{21}^3 > 0$
 $-3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 + a_{12}^3 a_{21}^3 \geq 0$

pot #59:

symbol $a_{12} : (-0.0, inf)$

symbol $c_1 : [-0.0, inf)$

symbol $c_2 : (-inf, 0.0)$

symbol $a_{11} : (-inf, 0.0]$

symbol $a_{22} : (-inf, 0.0)$

symbol $b_1 : [-0.0, inf)$

symbol $b_2 : -0.0$

symbol $a_{21} : (-0.0, inf)$

$$-c_1 a_{12} + c_2 a_{11} > 0$$

$$a_{12} a_{21} - a_{11} a_{22} > 0$$

$$c_2 a_{21} - c_1 a_{22} > 0$$

$$3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 - a_{12}^3 a_{21}^3 \geq 0$$

$$-a_{12}^2 a_{21}^2 + 2.00 \cdot a_{12} a_{11} a_{22} a_{21} - a_{11}^2 a_{22}^2 > 0$$

$$a_{12} c_2 a_{21}^2 - c_1 a_{12} a_{22} a_{21} - c_2 a_{11} a_{22} a_{21} + c_1 a_{11} a_{22}^2 \geq 0$$

$$-3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 + a_{12}^3 a_{21}^3 > 0$$

$$-a_{12}^3 a_{21}^3 + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 > 0$$

pot #60:

symbol $a_{12} : (-0.0, inf)$

symbol $c_1 : [-0.0, inf)$

symbol $c_2 : (-inf, 0.0)$

symbol $a_{11} : (-inf, 0.0]$

symbol $a_{22} : (-inf, 0.0)$

symbol $b_1 : [-0.0, inf)$

symbol $b_2 : -0.0$

symbol $a_{21} : (-0.0, inf)$

$$-c_1 a_{12} + c_2 a_{11} > 0$$

$$a_{12} a_{21} - a_{11} a_{22} > 0$$

$$c_2 a_{21} - c_1 a_{22} > 0$$

$$-3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 + a_{12}^3 a_{21}^3 \geq 0$$

$$a_{12}^2 a_{21}^2 - 2.00 \cdot a_{12} a_{11} a_{22} a_{21} + a_{11}^2 a_{22}^2 > 0$$

$$a_{12} c_2 a_{21}^2 - c_1 a_{12} a_{22} a_{21} - c_2 a_{11} a_{22} a_{21} + c_1 a_{11} a_{22}^2 \geq 0$$

$$3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 - a_{12}^3 a_{21}^3 > 0$$

$$a_{12}^3 a_{21}^3 - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 > 0$$

$$8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 + 56.00 \cdot$$

$$a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - a_{12}^8 a_{21}^8 - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - a_{11}^8 a_{22}^8 \geq 0$$

$$-8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 - 56.00 \cdot$$

$$a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + a_{12}^8 a_{21}^8 + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + a_{11}^8 a_{22}^8 > 0$$

pot #61:

symbol $a_{12} : (-0.0, inf)$

symbol $c_1 : [-0.0, inf)$

symbol $c_2 : (-inf, 0.0)$

symbol $a_{11} : (-inf, 0.0]$

symbol $a_{22} : (-inf, 0.0)$

symbol $b_1 : [-0.0, inf)$

symbol $b_2 : -0.0$

symbol $a_{21} : (-0.0, inf)$

$$-c_1 a_{12} + c_2 a_{11} > 0$$

$$a_{12} a_{21} - a_{11} a_{22} > 0$$

$$c_2 a_{21} - c_1 a_{22} > 0$$

$$a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + a_{12}^8 a_{21}^8 + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + a_{11}^8 a_{22}^8 > 0$$

pot #64:

symbol $a_{12} : (-0.0, inf)$

symbol $c_1 : [-0.0, inf)$

symbol $c_2 : (-inf, 0.0)$

symbol $a_{11} : (-inf, 0.0]$

symbol $a_{22} : (-inf, 0.0)$

symbol $b_1 : [-0.0, inf)$

symbol $b_2 : -0.0$

symbol $a_{21} : (-0.0, inf)$

$$-c_1 a_{12} + c_2 a_{11} > 0$$

$$a_{12} a_{21} - a_{11} a_{22} > 0$$

$$c_2 a_{21} - c_1 a_{22} > 0$$

$$-3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 + a_{12}^3 a_{21}^3 \geq 0$$

$$a_{12}^2 a_{21}^2 - 2.00 \cdot a_{12} a_{11} a_{22} a_{21} + a_{11}^2 a_{22}^2 > 0$$

$$a_{12} c_2 a_{21}^2 - c_1 a_{12} a_{22} a_{21} - c_2 a_{11} a_{22} a_{21} + c_1 a_{11} a_{22}^2 \geq 0$$

$$3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 - a_{12}^3 a_{21}^3 > 0$$

$$-3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 + a_{12}^3 a_{21}^3 > 0$$

$$8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^6 a_{21} + 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^5 a_{21} - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21} + 56.00 \cdot$$

$$a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - a_{12}^8 a_{21}^8 - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - a_{11}^8 a_{22}^8 \geq 0$$

$$-8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^6 a_{21} - 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^5 a_{21} + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21} - 56.00 \cdot$$

$$a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + a_{12}^8 a_{21}^8 + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + a_{11}^8 a_{22}^8 > 0$$

pot #65:

symbol $a_{12} : (-0.0, inf)$

symbol $c_1 : [-0.0, inf)$

symbol $c_2 : (-inf, 0.0)$

symbol $a_{11} : (-inf, 0.0]$

symbol $a_{22} : (-inf, 0.0)$

symbol $b_1 : [-0.0, inf)$

symbol $b_2 : -0.0$

symbol $a_{21} : (-0.0, inf)$

$$-c_1 a_{12} + c_2 a_{11} > 0$$

$$a_{12} a_{21} - a_{11} a_{22} > 0$$

$$c_2 a_{21} - c_1 a_{22} > 0$$

$$-3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 + a_{12}^3 a_{21}^3 \geq 0$$

$$a_{12}^2 a_{21}^2 - 2.00 \cdot a_{12} a_{11} a_{22} a_{21} + a_{11}^2 a_{22}^2 > 0$$

$$a_{12} c_2 a_{21}^2 - c_1 a_{12} a_{22} a_{21} - c_2 a_{11} a_{22} a_{21} + c_1 a_{11} a_{22}^2 \geq 0$$

$$3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 - a_{12}^3 a_{21}^3 > 0$$

$$-3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 + a_{12}^3 a_{21}^3 > 0$$

$$-8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^6 a_{21} - 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^5 a_{21} + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21} - 56.00 \cdot$$

$$a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + a_{12}^8 a_{21}^8 + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + a_{11}^8 a_{22}^8 \geq 0$$

$$8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^6 a_{21} + 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^5 a_{21} - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21} + 56.00 \cdot$$

$$a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - a_{12}^8 a_{21}^8 - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - a_{11}^8 a_{22}^8 > 0$$

pot #66:

symbol $a_{12} : (-0.0, inf)$

symbol $c_1 : [-0.0, inf)$

symbol $c_2 : (-inf, 0.0)$

symbol $a_{11} : (-inf, 0.0]$

symbol $a_{22} : (-inf, 0.0)$

symbol $b_1 : -0.0$

symbol $b_2 : -0.0$

symbol $a_{21} : (-0.0, inf)$

$-c_1 a_{12} + c_2 a_{11} > 0$

$a_{12} a_{21} - a_{11} a_{22} > 0$

$c_2 a_{21} - c_1 a_{22} > 0$

$-3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 + a_{12}^3 a_{21}^3 \geq 0$

$a_{12}^2 a_{21}^2 - 2.00 \cdot a_{12} a_{11} a_{22} a_{21} + a_{11}^2 a_{22}^2 > 0$

$a_{12} c_2 a_{21}^2 - c_1 a_{12} a_{22} a_{21} - c_2 a_{11} a_{22} a_{21} + c_1 a_{11} a_{22}^2 \geq 0$

$3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 - a_{12}^3 a_{21}^3 > 0$

$-3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 + a_{12}^3 a_{21}^3 > 0$

$8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 + 56.00 \cdot$

$a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - a_{12}^8 a_{21}^8 - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - a_{11}^8 a_{22}^8 \geq 0$

$8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 + 56.00 \cdot$

$a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - a_{12}^8 a_{21}^8 - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - a_{11}^8 a_{22}^8 > 0$

pot #67:

symbol $a_{12} : (-0.0, inf)$

symbol $c_1 : [-0.0, inf)$

symbol $c_2 : (-inf, 0.0)$

symbol $a_{11} : (-inf, 0.0]$

symbol $a_{22} : (-inf, 0.0)$

symbol $b_1 : -0.0$

symbol $b_2 : -0.0$

symbol $a_{21} : (-0.0, inf)$

$-c_1 a_{12} + c_2 a_{11} > 0$

$a_{12} a_{21} - a_{11} a_{22} > 0$

$c_2 a_{21} - c_1 a_{22} > 0$

$-3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 + a_{12}^3 a_{21}^3 \geq 0$

$a_{12}^2 a_{21}^2 - 2.00 \cdot a_{12} a_{11} a_{22} a_{21} + a_{11}^2 a_{22}^2 > 0$

$a_{12} c_2 a_{21}^2 - c_1 a_{12} a_{22} a_{21} - c_2 a_{11} a_{22} a_{21} + c_1 a_{11} a_{22}^2 \geq 0$

$3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 - a_{12}^3 a_{21}^3 > 0$

$-3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 + a_{12}^3 a_{21}^3 > 0$

$-8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 - 56.00 \cdot$

$a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + a_{12}^8 a_{21}^8 + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + a_{11}^8 a_{22}^8 \geq 0$

$-8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 - 56.00 \cdot$

$a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + a_{12}^8 a_{21}^8 + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + a_{11}^8 a_{22}^8 > 0$

pot #68:

symbol $a_{12} : (-0.0, inf)$

symbol $c_1 : [-0.0, inf)$

symbol $c_2 : (-inf, 0.0)$

symbol $a_{11} : (-inf, 0.0]$

symbol $a_{22} : (-inf, 0.0)$

symbol $b_1 : [-0.0, inf)$

symbol $b_2 : -0.0$

symbol $a_{21} : (-0.0, inf)$

$-c_1 a_{12} + c_2 a_{11} > 0$

$a_{12} a_{21} - a_{11} a_{22} > 0$

$c_2 a_{21} - c_1 a_{22} > 0$

$-3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 + a_{12}^3 a_{21}^3 \geq 0$

$a_{12}^2 a_{21}^2 - 2.00 \cdot a_{12} a_{11} a_{22} a_{21} + a_{11}^2 a_{22}^2 > 0$

$a_{12} c_2 a_{21}^2 - c_1 a_{12} a_{22} a_{21} - c_2 a_{11} a_{22} a_{21} + c_1 a_{11} a_{22}^2 \geq 0$

$$\begin{aligned}
& -3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 + a_{12}^3 a_{21}^3 > 0 \\
& 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 - a_{12}^3 a_{21}^3 > 0 \\
& 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 + 56.00 \cdot \\
& a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - a_{12}^8 a_{21}^8 - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - a_{11}^8 a_{22}^8 \geq 0 \\
& -8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 - 56.00 \cdot \\
& a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + a_{12}^8 a_{21}^8 + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + a_{11}^8 a_{22}^8 > 0
\end{aligned}$$

pot #69:

symbol a_{12} : $(-0.0, inf)$

symbol c_1 : $[-0.0, inf)$

symbol c_2 : $(-inf, 0.0)$

symbol a_{11} : $(-inf, 0.0]$

symbol a_{22} : $(-inf, 0.0)$

symbol b_1 : $[-0.0, inf)$

symbol b_2 : -0.0

symbol a_{21} : $(-0.0, inf)$

$$-c_1 a_{12} + c_2 a_{11} > 0$$

$$a_{12} a_{21} - a_{11} a_{22} > 0$$

$$c_2 a_{21} - c_1 a_{22} > 0$$

$$-3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 + a_{12}^3 a_{21}^3 \geq 0$$

$$a_{12}^2 a_{21}^2 - 2.00 \cdot a_{12} a_{11} a_{22} a_{21} + a_{11}^2 a_{22}^2 > 0$$

$$a_{12} c_2 a_{21}^2 - c_1 a_{12} a_{22} a_{21} - c_2 a_{11} a_{22} a_{21} + c_1 a_{11} a_{22}^2 \geq 0$$

$$-3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 + a_{12}^3 a_{21}^3 > 0$$

$$3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 - a_{12}^3 a_{21}^3 > 0$$

$$-8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 - 56.00 \cdot$$

$$a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + a_{12}^8 a_{21}^8 + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + a_{11}^8 a_{22}^8 \geq 0$$

$$8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 + 56.00 \cdot$$

$$a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - a_{12}^8 a_{21}^8 - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - a_{11}^8 a_{22}^8 > 0$$

pot #70:

symbol a_{12} : $(-0.0, inf)$

symbol c_1 : $[-0.0, inf)$

symbol c_2 : $(-inf, 0.0)$

symbol a_{11} : $(-inf, 0.0]$

symbol a_{22} : $(-inf, 0.0)$

symbol b_1 : -0.0

symbol b_2 : -0.0

symbol a_{21} : $(-0.0, inf)$

$$-c_1 a_{12} + c_2 a_{11} > 0$$

$$a_{12} a_{21} - a_{11} a_{22} > 0$$

$$c_2 a_{21} - c_1 a_{22} > 0$$

$$-3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 + a_{12}^3 a_{21}^3 \geq 0$$

$$a_{12}^2 a_{21}^2 - 2.00 \cdot a_{12} a_{11} a_{22} a_{21} + a_{11}^2 a_{22}^2 > 0$$

$$a_{12} c_2 a_{21}^2 - c_1 a_{12} a_{22} a_{21} - c_2 a_{11} a_{22} a_{21} + c_1 a_{11} a_{22}^2 \geq 0$$

$$-3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 + a_{12}^3 a_{21}^3 > 0$$

$$3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 - a_{12}^3 a_{21}^3 > 0$$

$$8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 + 56.00 \cdot$$

$$a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - a_{12}^8 a_{21}^8 - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - a_{11}^8 a_{22}^8 \geq 0$$

$$8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 + 56.00 \cdot$$

$$a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - a_{12}^8 a_{21}^8 - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - a_{11}^8 a_{22}^8 > 0$$

pot #71:

symbol a_{12} : $(-0.0, inf)$

symbol $c_1 : [-0.0, inf)$
symbol $c_2 : (-inf, 0.0)$
symbol $a_{11} : (-inf, 0.0]$
symbol $a_{22} : (-inf, 0.0)$
symbol $b_1 : -0.0$
symbol $b_2 : -0.0$
symbol $a_{21} : (-0.0, inf)$
 $-c_1 a_{12} + c_2 a_{11} > 0$
 $a_{12} a_{21} - a_{11} a_{22} > 0$
 $c_2 a_{21} - c_1 a_{22} > 0$
 $-3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 + a_{12}^3 a_{21}^3 \geq 0$
 $a_{12}^2 a_{21}^2 - 2.00 \cdot a_{12} a_{11} a_{22} a_{21} + a_{11}^2 a_{22}^2 > 0$
 $a_{12} c_2 a_{21}^2 - c_1 a_{12} a_{22} a_{21} - c_2 a_{11} a_{22} a_{21} + c_1 a_{11} a_{22}^2 \geq 0$
 $-3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 + a_{12}^3 a_{21}^3 > 0$
 $3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 - a_{12}^3 a_{21}^3 > 0$
 $-8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 - 56.00 \cdot$
 $a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + a_{12}^8 a_{21}^8 + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + a_{11}^8 a_{22}^8 \geq 0$
 $-8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 - 56.00 \cdot$
 $a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + a_{12}^8 a_{21}^8 + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + a_{11}^8 a_{22}^8 > 0$
pot #72:
symbol $a_{12} : (-0.0, inf)$
symbol $c_1 : [-0.0, inf)$
symbol $c_2 : (-inf, 0.0)$
symbol $a_{11} : (-inf, 0.0]$
symbol $a_{22} : (-inf, 0.0)$
symbol $b_1 : [-0.0, inf)$
symbol $b_2 : -0.0$
symbol $a_{21} : (-0.0, inf)$
 $-c_1 a_{12} + c_2 a_{11} > 0$
 $a_{12} a_{21} - a_{11} a_{22} > 0$
 $c_2 a_{21} - c_1 a_{22} > 0$
 $-3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 + a_{12}^3 a_{21}^3 \geq 0$
 $a_{12}^2 a_{21}^2 - 2.00 \cdot a_{12} a_{11} a_{22} a_{21} + a_{11}^2 a_{22}^2 > 0$
 $a_{12} c_2 a_{21}^2 - c_1 a_{12} a_{22} a_{21} - c_2 a_{11} a_{22} a_{21} + c_1 a_{11} a_{22}^2 \geq 0$
 $-3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 + a_{12}^3 a_{21}^3 > 0$
 $-a_{12}^3 a_{21}^3 + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 > 0$
 $8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 + 56.00 \cdot$
 $a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - a_{12}^8 a_{21}^8 - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - a_{11}^8 a_{22}^8 \geq 0$
 $-8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 - 56.00 \cdot$
 $a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + a_{12}^8 a_{21}^8 + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + a_{11}^8 a_{22}^8 > 0$
pot #73:
symbol $a_{12} : (-0.0, inf)$
symbol $c_1 : [-0.0, inf)$
symbol $c_2 : (-inf, 0.0)$
symbol $a_{11} : (-inf, 0.0]$
symbol $a_{22} : (-inf, 0.0)$
symbol $b_1 : [-0.0, inf)$
symbol $b_2 : -0.0$
symbol $a_{21} : (-0.0, inf)$
 $-c_1 a_{12} + c_2 a_{11} > 0$

$$\begin{aligned}
& a_{12}a_{21} - a_{11}a_{22} > 0 \\
& c_2a_{21} - c_1a_{22} > 0 \\
& -3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 + 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} - a_{11}^3a_{22}^3 + a_{12}^3a_{21}^3 \geq 0 \\
& a_{12}^2a_{21}^2 - 2.00 \cdot a_{12}a_{11}a_{22}a_{21} + a_{11}^2a_{22}^2 > 0 \\
& a_{12}c_2a_{21}^2 - c_1a_{12}a_{22}a_{21} - c_2a_{11}a_{22}a_{21} + c_1a_{11}a_{22}^2 \geq 0 \\
& -3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 + 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} - a_{11}^3a_{22}^3 + a_{12}^3a_{21}^3 > 0 \\
& -a_{12}^3a_{21}^3 + 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 - 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} + a_{11}^3a_{22}^3 > 0 \\
& -8.00 \cdot a_{12}^7a_{11}a_{22}a_{21}^7 + 28.00 \cdot a_{12}^6a_{11}^2a_{22}^2a_{21}^6 - 56.00 \cdot a_{12}^5a_{11}^3a_{22}^3a_{21}^5 + 70.00 \cdot a_{12}^4a_{11}^4a_{22}^4a_{21}^4 - 56.00 \cdot \\
& a_{12}^3a_{11}^5a_{22}^5a_{21}^3 + a_{12}^8a_{21}^8 + 28.00 \cdot a_{12}^2a_{11}^6a_{22}^6a_{21}^2 - 8.00 \cdot a_{12}a_{11}^7a_{22}^7a_{21} + a_{11}^8a_{22}^8 \geq 0 \\
& 8.00 \cdot a_{12}^7a_{11}a_{22}a_{21}^7 - 28.00 \cdot a_{12}^6a_{11}^2a_{22}^2a_{21}^6 + 56.00 \cdot a_{12}^5a_{11}^3a_{22}^3a_{21}^5 - 70.00 \cdot a_{12}^4a_{11}^4a_{22}^4a_{21}^4 + 56.00 \cdot \\
& a_{12}^3a_{11}^5a_{22}^5a_{21}^3 - a_{12}^8a_{21}^8 - 28.00 \cdot a_{12}^2a_{11}^6a_{22}^6a_{21}^2 + 8.00 \cdot a_{12}a_{11}^7a_{22}^7a_{21} - a_{11}^8a_{22}^8 > 0
\end{aligned}$$

pot #74:

symbol a_{12} : $(-0.0, inf)$

symbol c_1 : $[-0.0, inf)$

symbol c_2 : $(-inf, 0.0)$

symbol a_{11} : $(-inf, 0.0]$

symbol a_{22} : $(-inf, 0.0)$

symbol b_1 : -0.0

symbol b_2 : -0.0

symbol a_{21} : $(-0.0, inf)$

$$-c_1a_{12} + c_2a_{11} > 0$$

$$a_{12}a_{21} - a_{11}a_{22} > 0$$

$$c_2a_{21} - c_1a_{22} > 0$$

$$-3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 + 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} - a_{11}^3a_{22}^3 + a_{12}^3a_{21}^3 \geq 0$$

$$a_{12}^2a_{21}^2 - 2.00 \cdot a_{12}a_{11}a_{22}a_{21} + a_{11}^2a_{22}^2 > 0$$

$$a_{12}c_2a_{21}^2 - c_1a_{12}a_{22}a_{21} - c_2a_{11}a_{22}a_{21} + c_1a_{11}a_{22}^2 \geq 0$$

$$-3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 + 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} - a_{11}^3a_{22}^3 + a_{12}^3a_{21}^3 > 0$$

$$-a_{12}^3a_{21}^3 + 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 - 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} + a_{11}^3a_{22}^3 > 0$$

$$8.00 \cdot a_{12}^7a_{11}a_{22}a_{21}^7 - 28.00 \cdot a_{12}^6a_{11}^2a_{22}^2a_{21}^6 + 56.00 \cdot a_{12}^5a_{11}^3a_{22}^3a_{21}^5 - 70.00 \cdot a_{12}^4a_{11}^4a_{22}^4a_{21}^4 + 56.00 \cdot$$

$$a_{12}^3a_{11}^5a_{22}^5a_{21}^3 - a_{12}^8a_{21}^8 - 28.00 \cdot a_{12}^2a_{11}^6a_{22}^6a_{21}^2 + 8.00 \cdot a_{12}a_{11}^7a_{22}^7a_{21} - a_{11}^8a_{22}^8 \geq 0$$

$$8.00 \cdot a_{12}^7a_{11}a_{22}a_{21}^7 - 28.00 \cdot a_{12}^6a_{11}^2a_{22}^2a_{21}^6 + 56.00 \cdot a_{12}^5a_{11}^3a_{22}^3a_{21}^5 - 70.00 \cdot a_{12}^4a_{11}^4a_{22}^4a_{21}^4 + 56.00 \cdot$$

$$a_{12}^3a_{11}^5a_{22}^5a_{21}^3 - a_{12}^8a_{21}^8 - 28.00 \cdot a_{12}^2a_{11}^6a_{22}^6a_{21}^2 + 8.00 \cdot a_{12}a_{11}^7a_{22}^7a_{21} - a_{11}^8a_{22}^8 > 0$$

pot #75:

symbol a_{12} : $(-0.0, inf)$

symbol c_1 : $[-0.0, inf)$

symbol c_2 : $(-inf, 0.0)$

symbol a_{11} : $(-inf, 0.0]$

symbol a_{22} : $(-inf, 0.0)$

symbol b_1 : -0.0

symbol b_2 : -0.0

symbol a_{21} : $(-0.0, inf)$

$$-c_1a_{12} + c_2a_{11} > 0$$

$$a_{12}a_{21} - a_{11}a_{22} > 0$$

$$c_2a_{21} - c_1a_{22} > 0$$

$$-3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 + 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} - a_{11}^3a_{22}^3 + a_{12}^3a_{21}^3 \geq 0$$

$$a_{12}^2a_{21}^2 - 2.00 \cdot a_{12}a_{11}a_{22}a_{21} + a_{11}^2a_{22}^2 > 0$$

$$a_{12}c_2a_{21}^2 - c_1a_{12}a_{22}a_{21} - c_2a_{11}a_{22}a_{21} + c_1a_{11}a_{22}^2 \geq 0$$

$$-3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 + 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} - a_{11}^3a_{22}^3 + a_{12}^3a_{21}^3 > 0$$

$$-a_{12}^3a_{21}^3 + 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 - 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} + a_{11}^3a_{22}^3 > 0$$

$$-8.00 \cdot a_{12}^7a_{11}a_{22}a_{21}^7 + 28.00 \cdot a_{12}^6a_{11}^2a_{22}^2a_{21}^6 - 56.00 \cdot a_{12}^5a_{11}^3a_{22}^3a_{21}^5 + 70.00 \cdot a_{12}^4a_{11}^4a_{22}^4a_{21}^4 - 56.00 \cdot$$

$$\begin{aligned}
& a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + a_{12}^8 a_{21}^8 + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 8.00 \cdot a_{12}^7 a_{11}^7 a_{22}^7 a_{21} + a_{11}^8 a_{22}^8 \geq 0 \\
& -8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 - 56.00 \cdot \\
& a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + a_{12}^8 a_{21}^8 + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 8.00 \cdot a_{12}^7 a_{11}^7 a_{22}^7 a_{21} + a_{11}^8 a_{22}^8 > 0
\end{aligned}$$

pot #76:

symbol a_{12} : $(-0.0, inf)$

symbol c_1 : $[-0.0, inf)$

symbol c_2 : $(-inf, 0.0)$

symbol a_{11} : $(-inf, 0.0]$

symbol a_{22} : $(-inf, 0.0)$

symbol b_1 : $[-0.0, inf)$

symbol b_2 : -0.0

symbol a_{21} : $(-0.0, inf)$

$$-c_1 a_{12} + c_2 a_{11} > 0$$

$$a_{12} a_{21} - a_{11} a_{22} > 0$$

$$c_2 a_{21} - c_1 a_{22} > 0$$

$$-3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 + a_{12}^3 a_{21}^3 \geq 0$$

$$a_{12}^2 a_{21}^2 - 2.00 \cdot a_{12} a_{11} a_{22} a_{21} + a_{11}^2 a_{22}^2 > 0$$

$$a_{12} c_2 a_{21}^2 - c_1 a_{12} a_{22} a_{21} - c_2 a_{11} a_{22} a_{21} + c_1 a_{11} a_{22}^2 \geq 0$$

$$3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 - a_{12}^3 a_{21}^3 > 0$$

$$a_{12}^3 a_{21}^3 - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 > 0$$

pot #77:

symbol a_{12} : $(-0.0, inf)$

symbol c_1 : $[-0.0, inf)$

symbol c_2 : $(-inf, 0.0)$

symbol a_{11} : $(-inf, 0.0]$

symbol a_{22} : $(-inf, 0.0)$

symbol b_1 : $[-0.0, inf)$

symbol b_2 : -0.0

symbol a_{21} : $(-0.0, inf)$

$$-c_1 a_{12} + c_2 a_{11} > 0$$

$$a_{12} a_{21} - a_{11} a_{22} > 0$$

$$c_2 a_{21} - c_1 a_{22} > 0$$

$$-3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 + a_{12}^3 a_{21}^3 \geq 0$$

$$a_{12}^2 a_{21}^2 - 2.00 \cdot a_{12} a_{11} a_{22} a_{21} + a_{11}^2 a_{22}^2 > 0$$

$$a_{12} c_2 a_{21}^2 - c_1 a_{12} a_{22} a_{21} - c_2 a_{11} a_{22} a_{21} + c_1 a_{11} a_{22}^2 \geq 0$$

$$3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 - a_{12}^3 a_{21}^3 > 0$$

$$3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 - a_{12}^3 a_{21}^3 \geq 0$$

pot #78:

symbol a_{12} : $(-0.0, inf)$

symbol c_1 : $[-0.0, inf)$

symbol c_2 : $(-inf, 0.0)$

symbol a_{11} : $(-inf, 0.0]$

symbol a_{22} : $(-inf, 0.0)$

symbol b_1 : $[-0.0, inf)$

symbol b_2 : -0.0

symbol a_{21} : $(-0.0, inf)$

$$-c_1 a_{12} + c_2 a_{11} > 0$$

$$a_{12} a_{21} - a_{11} a_{22} > 0$$

$$c_2 a_{21} - c_1 a_{22} > 0$$

$$-3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 + a_{12}^3 a_{21}^3 \geq 0$$

$$a_{12}^2 a_{21}^2 - 2.00 \cdot a_{12} a_{11} a_{22} a_{21} + a_{11}^2 a_{22}^2 > 0$$

$$a_{12}c_2a_{21}^2 - c_1a_{12}a_{22}a_{21} - c_2a_{11}a_{22}a_{21} + c_1a_{11}a_{22}^2 \geq 0$$

$$-3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 + a_{12}^3 a_{21}^3 > 0$$

pot #79:

symbol $a_{12} : (-0.0, inf)$

symbol $c_1 : [-0.0, inf)$

symbol $c_2 : (-inf, 0.0)$

symbol $a_{11} : (-inf, 0.0]$

symbol a_{22} : $(-inf, 0.0)$

symbol $b_1 : [-0.0, inf)$

symbol b_2 : -0.0

symbol a_{21} : $(-0.0, inf)$

$$-c_1 a_{12} + c_2 a_{11} > 0$$

$$a_{12}a_{21} - a_{11}a_{22} > 0$$

$$c_2 a_{21} - c_1 a_{22} > 0$$

$$-3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 + a_{12}^3 a_{21}^3 \geq 0$$

$$a_{12}^2 a_{21}^2 - 2.00 \cdot a_{12} a_{11} a_{22} a_{21} + a_{11}^2 a_{22}^2 > 0$$

$$a_{12}c_2a_{21}^2 - c_1a_{12}a_{22}a_{21} - c_2a_{11}a_{22}a_{21} + c_1a_{11}a_{22}^2 \geq 0$$

$$-3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 + a_{12}^3 a_{21}^3 > 0$$

$$3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 - a_{12}^3 a_{21}^3 \geq 0$$

$$-a_{12}^3 a_{21}^3 + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 > 0$$

x_1	$\frac{8.00 \cdot a_{12}^7 b_{1a_{11}a_{22}a_{21}^7} - 28.00 \cdot a_{12}^6 b_{1a_{11}^2 a_{22}^2 a_{21}^6} + 56.00 \cdot a_{12}^5 b_{1a_{11}^3 a_{22}^2 a_{21}^5} - a_{12}^8 b_{1a_{21}^8} - 70.00 \cdot a_{12}^4 b_{1a_{11}^4 a_{22}^2 a_{21}^4} + 56.00 \cdot a_{12}^3 b_{1a_{11}^5 a_{22}^2 a_{21}^3} - 28.00 \cdot a_{12}^2 b_{1a_{11}^6 a_{22}^2 a_{21}^2} - a_{12}^9 a_{21}^8 + 8.00 \cdot a_{12}^8 a_{11} a_{22} a_{21}^7 - 28.00 \cdot a_{12}^7 a_{11}^2 a_{22}^2 a_{21}^6 + 56.00 \cdot a_{12}^6 a_{11}^3 a_{22}^2 a_{21}^5 - 70.00 \cdot a_{12}^5 a_{11}^4 a_{22}^2 a_{21}^4 + 56.00 \cdot a_{12}^4 a_{11}^5 a_{22}^2 a_{21}^3 - 28.00 \cdot a_{12}^3 a_{11}^6 a_{22}^2 a_{21}^2 - 28.00 \cdot a_{12}^2 a_{11}^7 a_{22}^2 a_{21} - a_{12}^3 b_{2a_{21}^3} + 2.00 \cdot a_{12}^2 b_{2a_{11}a_{22}a_{21}} - a_{12} b_{2a_{11}^2 a_{22}} + b_{1a_{21}^2} a_{22} a_{12}^2 - 2.00 \cdot b_{1a_{21}} a_{11} a_{22}^2 a_{12} + a_{12}^3 a_{21}^2 + 2.00 \cdot a_{12}^2 a_{11} a_{22} a_{21} - a_{12} a_{11}^2 a_{22}^2$
x_3	$-8.00 \cdot a_{12}^7 c_{2a_{11}a_{22}b_{1a_{21}^7}} + 28.00 \cdot a_{12}^6 c_{2a_{11}^2 a_{22}^2 b_{1a_{21}^6}} - 56.00 \cdot a_{12}^5 c_{2a_{11}^3 a_{22}^2 b_{1a_{21}^5}} + a_{12}^8 c_{2b_{1a_{21}^8}} + 70.00 \cdot a_{12}^4 c_{2a_{11}^4 a_{22}^2 b_{1a_{21}^4}} - 56.00 \cdot a_{12}^3 c_{2a_{11}^5 a_{22}^2 b_{1a_{21}^3}} - 28.00 \cdot a_{12}^2 c_{2a_{11}^6 a_{22}^2 b_{1a_{21}^2}} - a_{12}^9 a_{21}^8 + 8.00 \cdot a_{12}^8 a_{11} a_{22} a_{21}^7 - 28.00 \cdot a_{12}^7 a_{11}^2 a_{22}^2 a_{21}^6 + 56.00 \cdot a_{12}^6 a_{11}^3 a_{22}^2 a_{21}^5 - 70.00 \cdot a_{12}^5 a_{11}^4 a_{22}^2 a_{21}^4 + 56.00 \cdot a_{12}^4 a_{11}^5 a_{22}^2 a_{21}^3 - 28.00 \cdot a_{12}^3 a_{11}^6 a_{22}^2 a_{21}^2 - 28.00 \cdot a_{12}^2 a_{11}^7 a_{22}^2 a_{21} - a_{12}^3 b_{2a_{21}^3} + 2.00 \cdot a_{12}^2 b_{2a_{11}a_{22}a_{21}} - a_{12} b_{2a_{11}^2 a_{22}} + b_{1a_{21}^2} a_{22} a_{12}^2 - 2.00 \cdot b_{1a_{21}} a_{11} a_{22}^2 a_{12} + a_{12}^3 a_{21}^2 + 2.00 \cdot a_{12}^2 a_{11} a_{22} a_{21} - a_{12} a_{11}^2 a_{22}^2$
Ψ	$\frac{-8.00 \cdot a_{12}^7 c_{2a_{11}a_{22}b_{1a_{21}^7}} + 28.00 \cdot a_{12}^6 c_{2a_{11}^2 a_{22}^2 b_{1a_{21}^6}} - 56.00 \cdot a_{12}^5 c_{2a_{11}^3 a_{22}^2 b_{1a_{21}^5}} + a_{12}^8 c_{2b_{1a_{21}^8}} + 70.00 \cdot a_{12}^4 c_{2a_{11}^4 a_{22}^2 b_{1a_{21}^4}} - 56.00 \cdot a_{12}^3 c_{2a_{11}^5 a_{22}^2 b_{1a_{21}^3}} - 28.00 \cdot a_{12}^2 c_{2a_{11}^6 a_{22}^2 b_{1a_{21}^2}} - a_{12}^9 a_{21}^8 + 8.00 \cdot a_{12}^8 a_{11} a_{22} a_{21}^7 - 28.00 \cdot a_{12}^7 a_{11}^2 a_{22}^2 a_{21}^6 + 56.00 \cdot a_{12}^6 a_{11}^3 a_{22}^2 a_{21}^5 - 70.00 \cdot a_{12}^5 a_{11}^4 a_{22}^2 a_{21}^4 + 56.00 \cdot a_{12}^4 a_{11}^5 a_{22}^2 a_{21}^3 - 28.00 \cdot a_{12}^3 a_{11}^6 a_{22}^2 a_{21}^2 - 28.00 \cdot a_{12}^2 a_{11}^7 a_{22}^2 a_{21} - a_{12}^3 b_{2a_{21}^3} + 2.00 \cdot a_{12}^2 b_{2a_{11}a_{22}a_{21}} - a_{12} b_{2a_{11}^2 a_{22}} + b_{1a_{21}^2} a_{22} a_{12}^2 - 2.00 \cdot b_{1a_{21}} a_{11} a_{22}^2 a_{12} + a_{12}^3 a_{21}^2 + 2.00 \cdot a_{12}^2 a_{11} a_{22} a_{21} - a_{12} a_{11}^2 a_{22}^2$

Table #0.1.1.-1

pots:

pot #0:

symbol $a_{12} : (-0.0, inf)$

symbol $c_1 : [-0.0, inf)$

symbol $c_2 : (-inf, 0.0)$

symbol $a_{11} : (-inf, 0.0]$

symbol $a_{22} : (-inf, 0.0)$

symbol $b_1 : [-0.0, inf)$

symbol $b_2 : [-0.0, inf)$

symbol $a_{21} : (-0.0, inf)$

$$-c_1 a_{12} + c_2 a_{11} > 0$$

$$a_{12} a_{21} - a_{11} a_{22} > 0$$

$$c_2 a_{21} - c_1 a_{22} > 0$$

$$3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 - a_{12}^3 a_{21}^3 \geq 0$$

$$a_{12}^2 a_{21}^2 - 2.00 \cdot a_{12} a_{11} a_{22} a_{21} + a_{11}^2 a_{22}^2 > 0$$

$$a_{12} c_2 a_{21}^2 - c_1 a_{12} a_{22} a_{21} - c_2 a_{11} a_{22} a_{21} + c_1 a_{11} a_{22}^2 \geq 0$$

$$-3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 + a_{12}^3 a_{21}^3 \geq 0$$

$$-a_{12}^3 a_{21}^3 + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 > 0$$

pot #1:

symbol $a_{12} : (-0.0, inf)$

symbol $c_1 : [-0.0, inf)$

symbol $c_2 : (-inf, 0.0)$

symbol $a_{11} : (-inf, 0.0]$

symbol $a_{22} : (-inf, 0.0)$

symbol $b_1 : [-0.0, inf)$

symbol $b_2 : [-0.0, inf)$

symbol $a_{21} : (-0.0, inf)$

$$-c_1 a_{12} + c_2 a_{11} > 0$$

$$a_{12} a_{21} - a_{11} a_{22} > 0$$

$$c_2 a_{21} - c_1 a_{22} > 0$$

$$3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 - a_{12}^3 a_{21}^3 \geq 0$$

$$a_{12}^2 a_{21}^2 - 2.00 \cdot a_{12} a_{11} a_{22} a_{21} + a_{11}^2 a_{22}^2 > 0$$

$$a_{12} c_2 a_{21}^2 - c_1 a_{12} a_{22} a_{21} - c_2 a_{11} a_{22} a_{21} + c_1 a_{11} a_{22}^2 \geq 0$$

$$a_{12}^3 a_{21}^3 - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 > 0$$

pot #2:

symbol $a_{12} : (-0.0, inf)$

symbol $c_1 : [-0.0, inf)$

symbol $c_2 : (-inf, 0.0)$

symbol $a_{11} : (-inf, 0.0]$

symbol $a_{22} : (-inf, 0.0)$

symbol $b_1 : [-0.0, inf)$

symbol $b_2 : [-0.0, inf)$

symbol $a_{21} : (-0.0, inf)$

$$-c_1 a_{12} + c_2 a_{11} > 0$$

$$a_{12} a_{21} - a_{11} a_{22} > 0$$

$$c_2 a_{21} - c_1 a_{22} > 0$$

$$-3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 + a_{12}^3 a_{21}^3 \geq 0$$

$$-a_{12}^2 a_{21}^2 + 2.00 \cdot a_{12} a_{11} a_{22} a_{21} - a_{11}^2 a_{22}^2 > 0$$

$$a_{12} c_2 a_{21}^2 - c_1 a_{12} a_{22} a_{21} - c_2 a_{11} a_{22} a_{21} + c_1 a_{11} a_{22}^2 \geq 0$$

$-a_{12}^3 a_{21}^3 + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 > 0$
 pot #3:
 symbol $a_{12} : (-0.0, inf)$
 symbol $c_1 : [-0.0, inf)$
 symbol $c_2 : (-inf, 0.0)$
 symbol $a_{11} : (-inf, 0.0]$
 symbol $a_{22} : (-inf, 0.0)$
 symbol $b_1 : [-0.0, inf)$
 symbol $b_2 : [-0.0, inf)$
 symbol $a_{21} : (-0.0, inf)$
 $-c_1 a_{12} + c_2 a_{11} > 0$
 $a_{12} a_{21} - a_{11} a_{22} > 0$
 $c_2 a_{21} - c_1 a_{22} > 0$
 $-3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 + a_{12}^3 a_{21}^3 \geq 0$
 $-a_{12}^2 a_{21}^2 + 2.00 \cdot a_{12} a_{11} a_{22} a_{21} - a_{11}^2 a_{22}^2 > 0$
 $a_{12} c_2 a_{21}^2 - c_1 a_{12} a_{22} a_{21} - c_2 a_{11} a_{22} a_{21} + c_1 a_{11} a_{22}^2 \geq 0$
 $3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 - a_{12}^3 a_{21}^3 \geq 0$
 $a_{12}^3 a_{21}^3 - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 > 0$
 pot #4:
 symbol $a_{12} : (-0.0, inf)$
 symbol $c_1 : [-0.0, inf)$
 symbol $c_2 : (-inf, 0.0)$
 symbol $a_{11} : (-inf, 0.0]$
 symbol $a_{22} : (-inf, 0.0)$
 symbol $b_1 : [-0.0, inf)$
 symbol $b_2 : -0.0$
 symbol $a_{21} : (-0.0, inf)$
 $-c_1 a_{12} + c_2 a_{11} > 0$
 $a_{12} a_{21} - a_{11} a_{22} > 0$
 $c_2 a_{21} - c_1 a_{22} > 0$
 $3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 - a_{12}^3 a_{21}^3 \geq 0$
 $-a_{12}^2 a_{21}^2 + 2.00 \cdot a_{12} a_{11} a_{22} a_{21} - a_{11}^2 a_{22}^2 > 0$
 $a_{12} c_2 a_{21}^2 - c_1 a_{12} a_{22} a_{21} - c_2 a_{11} a_{22} a_{21} + c_1 a_{11} a_{22}^2 \geq 0$
 $-3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 + a_{12}^3 a_{21}^3 \geq 0$
 $-a_{12}^3 a_{21}^3 + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 > 0$
 pot #5:
 symbol $a_{12} : (-0.0, inf)$
 symbol $c_1 : [-0.0, inf)$
 symbol $c_2 : (-inf, 0.0)$
 symbol $a_{11} : (-inf, 0.0]$
 symbol $a_{22} : (-inf, 0.0)$
 symbol $b_1 : [-0.0, inf)$
 symbol $b_2 : -0.0$
 symbol $a_{21} : (-0.0, inf)$
 $-c_1 a_{12} + c_2 a_{11} > 0$
 $a_{12} a_{21} - a_{11} a_{22} > 0$
 $c_2 a_{21} - c_1 a_{22} > 0$
 $3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 - a_{12}^3 a_{21}^3 \geq 0$
 $-a_{12}^2 a_{21}^2 + 2.00 \cdot a_{12} a_{11} a_{22} a_{21} - a_{11}^2 a_{22}^2 > 0$
 $a_{12} c_2 a_{21}^2 - c_1 a_{12} a_{22} a_{21} - c_2 a_{11} a_{22} a_{21} + c_1 a_{11} a_{22}^2 \geq 0$

$$a_{12}^3 a_{21}^3 - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 > 0$$

pot #6:

symbol $a_{12} : (-0.0, inf)$

symbol $c_1 : [-0.0, inf)$

symbol $c_2 : (-inf, 0.0)$

symbol $a_{11} : (-inf, 0.0]$

symbol $a_{22} : (-inf, 0.0)$

symbol $b_1 : [-0.0, inf)$

symbol $b_2 : -0.0$

symbol $a_{21} : (-0.0, inf)$

$$-c_1 a_{12} + c_2 a_{11} > 0$$

$$a_{12} a_{21} - a_{11} a_{22} > 0$$

$$c_2 a_{21} - c_1 a_{22} > 0$$

$$-3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 + a_{12}^3 a_{21}^3 \geq 0$$

$$a_{12}^2 a_{21}^2 - 2.00 \cdot a_{12} a_{11} a_{22} a_{21} + a_{11}^2 a_{22}^2 > 0$$

$$a_{12} c_2 a_{21}^2 - c_1 a_{12} a_{22} a_{21} - c_2 a_{11} a_{22} a_{21} + c_1 a_{11} a_{22}^2 \geq 0$$

$$-a_{12}^3 a_{21}^3 + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 > 0$$

pot #7:

symbol $a_{12} : (-0.0, inf)$

symbol $c_1 : [-0.0, inf)$

symbol $c_2 : (-inf, 0.0)$

symbol $a_{11} : (-inf, 0.0]$

symbol $a_{22} : (-inf, 0.0)$

symbol $b_1 : [-0.0, inf)$

symbol $b_2 : -0.0$

symbol $a_{21} : (-0.0, inf)$

$$-c_1 a_{12} + c_2 a_{11} > 0$$

$$a_{12} a_{21} - a_{11} a_{22} > 0$$

$$c_2 a_{21} - c_1 a_{22} > 0$$

$$-3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 + a_{12}^3 a_{21}^3 \geq 0$$

$$a_{12}^2 a_{21}^2 - 2.00 \cdot a_{12} a_{11} a_{22} a_{21} + a_{11}^2 a_{22}^2 > 0$$

$$a_{12} c_2 a_{21}^2 - c_1 a_{12} a_{22} a_{21} - c_2 a_{11} a_{22} a_{21} + c_1 a_{11} a_{22}^2 \geq 0$$

$$3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^3 - a_{12}^3 a_{21}^3 \geq 0$$

$$a_{12}^3 a_{21}^3 - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - a_{11}^3 a_{22}^3 > 0$$

		x_0	x_1
x_1	$\frac{3.00 \cdot a_{12}^2 b_2 a_{11} a_{22} a_{21}^2 - 3.00 \cdot a_{12} b_2 a_{11}^2 a_{22}^2 a_{21} + b_2 a_{11}^3 a_{22}^3 - a_{12}^3 b_2 a_{21}^3}{-a_{12}^3 a_{22} a_{21}^3 + 3.00 \cdot a_{12}^2 a_{11} a_{22}^2 a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^4}$	$\frac{-a_{12} a_{21}^2 + a_{11} a_{22} a_{21}}{-a_{12} a_{22} a_{21} + a_{11} a_{22}^2}$	1.00
x_2	$\frac{a_{12}^2 b_2 a_{21} - a_{12} b_2 a_{11} a_{22} - b_1 a_{21} a_{22} a_{12} + b_1 a_{11} a_{22}^2}{-a_{12} a_{22} a_{21} + a_{11} a_{22}^2}$	$\frac{a_{12} a_{21} - a_{11} a_{22}}{-a_{22}}$	0.0
Ψ	$\frac{-3.00 \cdot a_{12}^2 c_2 a_{11} a_{22} b_2 a_{21}^2 + 3.00 \cdot a_{12} c_2 a_{11}^2 a_{22}^2 b_2 a_{21} - b_2 c_2 a_{11}^3 a_{22}^3 + a_{12}^3 b_2 c_2 a_{21}^3}{-a_{12}^3 a_{22} a_{21}^3 + 3.00 \cdot a_{12}^2 a_{11} a_{22}^2 a_{21}^2 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + a_{11}^3 a_{22}^4}$	$\frac{a_{12} c_2 a_{21}^2 - c_1 a_{12} a_{22} a_{21} - c_2 a_{11} a_{22} a_{21} + c_1 a_{11} a_{22}^2}{-a_{12} a_{22} a_{21} + a_{11} a_{22}^2}$	0.0

Table #0.1.-1

pots:

pot #0:

symbol a_{12} : $(-0.0, inf)$

symbol c_1 : $[-0.0, inf)$

symbol c_2 : $(-inf, 0.0)$

symbol a_{11} : $(-inf, 0.0]$

symbol a_{22} : $(-0.0, inf)$

symbol b_1 : $[-0.0, inf)$

symbol b_2 : $[-0.0, inf)$

$a_{12}b_2 - b_1a_{22} \geq 0$

$-c_1a_{12} + c_2a_{11} > 0$

$a_{12}a_{21} - a_{11}a_{22} > 0$

$-c_2a_{21} + c_1a_{22} \geq 0$

pot #1:

symbol a_{12} : $(-0.0, inf)$

symbol c_1 : $[-0.0, inf)$

symbol c_2 : $(-inf, 0.0)$

symbol a_{11} : $(-inf, 0.0]$

symbol a_{22} : $(-inf, 0.0]$

symbol b_1 : $[-0.0, inf)$

symbol b_2 : $[-0.0, inf)$

$-c_1a_{12} + c_2a_{11} > 0$

$a_{12}a_{21} - a_{11}a_{22} > 0$

$-c_2a_{21} + c_1a_{22} \geq 0$

		x_0	x_1	x_2	x_3
x_1	$\frac{b_1a_{21}-b_2a_{11}}{a_{12}a_{21}-a_{11}a_{22}}$	0.0	1.00	$\frac{a_{21}}{a_{12}a_{21}-a_{11}a_{22}}$	$\frac{-a_{11}}{a_{12}a_{21}-a_{11}a_{22}}$
x_0	$\frac{a_{12}b_2-b_1a_{22}}{a_{12}a_{21}-a_{11}a_{22}}$	1.00	0.0	$\frac{-a_{22}}{a_{12}a_{21}-a_{11}a_{22}}$	$\frac{a_{12}}{a_{12}a_{21}-a_{11}a_{22}}$
Ψ	$\frac{-b_1c_2a_{21}-c_1a_{12}b_2+b_2c_2a_{11}+c_1b_1a_{22}}{a_{12}a_{21}-a_{11}a_{22}}$	0.0	0.0	$\frac{-c_2a_{21}+c_1a_{22}}{a_{12}a_{21}-a_{11}a_{22}}$	$\frac{-c_1a_{12}+c_2a_{11}}{a_{12}a_{21}-a_{11}a_{22}}$

Solution:

$$x_0 = \frac{a_{12}b_2-b_1a_{22}}{a_{12}a_{21}-a_{11}a_{22}}$$

$$x_1 = \frac{b_1a_{21}-b_2a_{11}}{a_{12}a_{21}-a_{11}a_{22}}$$

$$x_2 = 0.0$$

$$x_3 = 0.0$$

$$\Psi = \frac{-b_1c_2a_{21}-c_1a_{12}b_2+b_2c_2a_{11}+c_1b_1a_{22}}{a_{12}a_{21}-a_{11}a_{22}}$$

Table #0.-1

pots:

pot #0:

symbol a_{12} : $(-0.0, inf)$

symbol c_1 : $[-0.0, inf)$

symbol c_2 : $(-inf, 0.0)$

symbol a_{22} : $(-0.0, inf)$

symbol b_1 : $[-0.0, inf)$

symbol b_2 : $[-0.0, inf)$

$$a_{12}b_2 - b_1a_{22} \geq 0$$

$$c_1a_{12} - c_2a_{11} \geq 0$$

pot #1:

symbol a_{12} : $(-0.0, inf)$

symbol c_1 : $[-0.0, inf)$

symbol c_2 : $(-inf, 0.0)$

symbol a_{22} : $(-inf, 0.0]$

symbol b_1 : $[-0.0, inf)$

symbol b_2 : $[-0.0, inf)$

$$c_1a_{12} - c_2a_{11} \geq 0$$

		x_0	x_1	x_2	x_3
x_1	$\frac{b_1}{a_{12}}$	$\frac{a_{11}}{a_{12}}$	1.00	$\frac{1.00}{a_{12}}$	0.0
x_3	$\frac{a_{12}b_2 - b_1a_{22}}{a_{12}}$	$\frac{a_{12}a_{21} - a_{11}a_{22}}{a_{12}}$	0.0	$\frac{-a_{22}}{a_{12}}$	1.00
Ψ	$\frac{-b_1c_2}{a_{12}}$	$\frac{c_1a_{12} - c_2a_{11}}{a_{12}}$	0.0	$\frac{-c_2}{a_{12}}$	0.0

Solution:

$$x_0 = 0.0$$

$$x_1 = \frac{b_1}{a_{12}}$$

$$x_2 = 0.0$$

$$x_3 = \frac{a_{12}b_2 - b_1a_{22}}{a_{12}}$$

$$\Psi = \frac{-b_1c_2}{a_{12}}$$

Table #1

Moving out basis: x_3 from line: 1

Moving to basis: x_1

pots:

pot #0:

symbol a_{12} : $(-0.0, inf)$

symbol c_1 : $[-0.0, inf)$

symbol c_2 : $(-inf, 0.0)$

symbol a_{22} : $(-0.0, inf)$

symbol b_1 : $[-0.0, inf)$

symbol b_2 : $[-0.0, inf)$

$b_1 a_{22} - a_{12} b_2 \geq 0$

pot #1:

symbol a_{12} : $(-inf, 0.0]$

symbol c_1 : $[-0.0, inf)$

symbol c_2 : $(-inf, 0.0)$

symbol a_{22} : $(-0.0, inf)$

symbol b_1 : $[-0.0, inf)$

symbol b_2 : $[-0.0, inf)$

		x_0	x_1	x_2	x_3
x_2	$\frac{b_1 a_{22} - a_{12} b_2}{a_{22}}$	$\frac{a_{11} a_{22} - a_{12} a_{21}}{a_{22}}$	0.0	1.00	$\frac{-a_{12}}{a_{22}}$
x_1	$\frac{b_2}{a_{22}}$	$\frac{a_{21}}{a_{22}}$	1.00	0.0	$\frac{1.00}{a_{22}}$
Ψ	$\frac{-b_2 c_2}{a_{22}}$	$\frac{c_1 a_{22} - c_2 a_{21}}{a_{22}}$	0.0	0.0	$\frac{-c_2}{a_{22}}$

Table #1.0

Moving out basis: x_2 from line: 0

Moving to basis: x_0

pots:

pot #0:

symbol a_{12} : $(-0.0, inf)$

symbol c_1 : $[-0.0, inf)$

symbol c_2 : $(-inf, 0.0)$

symbol a_{22} : $(-0.0, inf)$

symbol b_1 : $[-0.0, inf)$

symbol b_2 : $[-0.0, inf)$

symbol a_{21} : $(-inf, 0.0]$

$b_1 a_{22} - a_{12} b_2 \geq 0$

$-c_1 a_{22} + c_2 a_{21} > 0$

$a_{11} a_{22} - a_{12} a_{21} > 0$

pot #1:

symbol a_{12} : $(-inf, 0.0]$

symbol c_1 : $[-0.0, inf)$

symbol c_2 : $(-inf, 0.0)$

symbol a_{22} : $(-0.0, inf)$

symbol b_1 : $[-0.0, inf)$

symbol b_2 : $[-0.0, inf)$

symbol a_{21} : $(-inf, 0.0]$

$-c_1 a_{22} + c_2 a_{21} > 0$

$a_{11} a_{22} - a_{12} a_{21} > 0$

		x_0	x_1	x_2	x_3
x_0	$\frac{b_1 a_{22} - a_{12} b_2}{a_{11} a_{22} - a_{12} a_{21}}$	1.00	0.0	$\frac{a_{22}}{a_{11} a_{22} - a_{12} a_{21}}$	$\frac{-a_{12}}{a_{11} a_{22} - a_{12} a_{21}}$
x_1	$\frac{b_2 a_{11} - b_1 a_{21}}{a_{11} a_{22} - a_{12} a_{21}}$	0.0	1.00	$\frac{-a_{21}}{a_{11} a_{22} - a_{12} a_{21}}$	$\frac{a_{11}}{a_{11} a_{22} - a_{12} a_{21}}$
Ψ	$\frac{-b_2 c_2 a_{11} - c_1 b_1 a_{22} + b_1 c_2 a_{21} + c_1 a_{12} b_2}{a_{11} a_{22} - a_{12} a_{21}}$	0.0	0.0	$\frac{-c_1 a_{22} + c_2 a_{21}}{a_{11} a_{22} - a_{12} a_{21}}$	$\frac{-c_2 a_{11} + c_1 a_{12}}{a_{11} a_{22} - a_{12} a_{21}}$

Table #1.0.0

Moving out basis: x_0 from line: 0

Moving to basis: x_3

pots:

pot #0:

symbol a_{12} : $(-inf, 0.0)$

symbol c_1 : $[-0.0, inf)$

symbol c_2 : $(-inf, 0.0)$

symbol a_{11} : $(-0.0, inf)$

symbol a_{22} : $(-0.0, inf)$

symbol b_1 : $[-0.0, inf)$

symbol b_2 : $[-0.0, inf)$

symbol a_{21} : $(-inf, 0.0]$

$$-c_1 a_{22} + c_2 a_{21} > 0$$

$$a_{11} a_{22} - a_{12} a_{21} > 0$$

$$c_2 a_{11} - c_1 a_{12} > 0$$

$$3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + a_{12}^3 a_{21}^3 - a_{11}^3 a_{22}^3 \geq 0$$

$$a_{11}^2 a_{22}^2 - 2.00 \cdot a_{12} a_{11} a_{22} a_{21} + a_{12}^2 a_{21}^2 > 0$$

pot #1:

symbol a_{12} : $(-inf, 0.0)$

symbol c_1 : $[-0.0, inf)$

symbol c_2 : $(-inf, 0.0)$

symbol a_{11} : $(-0.0, inf)$

symbol a_{22} : $(-0.0, inf)$

symbol b_1 : $[-0.0, inf)$

symbol b_2 : $[-0.0, inf)$

symbol a_{21} : $(-inf, 0.0]$

$$-c_1 a_{22} + c_2 a_{21} > 0$$

$$a_{11} a_{22} - a_{12} a_{21} > 0$$

$$c_2 a_{11} - c_1 a_{12} > 0$$

$$-3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 + a_{11}^3 a_{22}^3 \geq 0$$

$$-a_{11}^2 a_{22}^2 + 2.00 \cdot a_{12} a_{11} a_{22} a_{21} - a_{12}^2 a_{21}^2 > 0$$

pot #2:

symbol a_{12} : $(-inf, 0.0)$

symbol c_1 : $[-0.0, inf)$

symbol c_2 : $(-inf, 0.0)$

symbol a_{11} : $(-0.0, inf)$

symbol a_{22} : $(-0.0, inf)$

symbol b_1 : -0.0

symbol b_2 : $[-0.0, inf)$

symbol a_{21} : $(-inf, 0.0]$

$$-c_1 a_{22} + c_2 a_{21} > 0$$

$$a_{11} a_{22} - a_{12} a_{21} > 0$$

$$c_2 a_{11} - c_1 a_{12} > 0$$

$$3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + a_{12}^3 a_{21}^3 - a_{11}^3 a_{22}^3 \geq 0$$

$$-a_{11}^2 a_{22}^2 + 2.00 \cdot a_{12} a_{11} a_{22} a_{21} - a_{12}^2 a_{21}^2 > 0$$

pot #3:

symbol a_{12} : $(-inf, 0.0)$

symbol c_1 : $[-0.0, inf)$

symbol $c_2 : (-inf, 0.0)$
symbol $a_{11} : (-0.0, inf)$
symbol $a_{22} : (-0.0, inf)$
symbol $b_1 : -0.0$
symbol $b_2 : [-0.0, inf)$
symbol $a_{21} : (-inf, 0.0]$
 $-c_1 a_{22} + c_2 a_{21} > 0$
 $a_{11} a_{22} - a_{12} a_{21} > 0$
 $c_2 a_{11} - c_1 a_{12} > 0$
 $-3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 + a_{11}^3 a_{22}^3 \geq 0$
 $a_{11}^2 a_{22}^2 - 2.00 \cdot a_{12} a_{11} a_{22} a_{21} + a_{12}^2 a_{21}^2 > 0$

		x_0	x_1	
x_3	$\frac{b_1 a_{11} a_{22}^2 - b_1 a_{21} a_{22} a_{12} - a_{12} b_2 a_{11} a_{22} + a_{12}^2 b_2 a_{21}}{-a_{12} a_{11} a_{22} + a_{12}^2 a_{21}}$	$\frac{a_{11} a_{22} - a_{12} a_{21}}{-a_{12}}$	0.0	
x_1	$\frac{3.00 \cdot b_1 a_{21} a_{11}^2 a_{22}^2 a_{12} - 3.00 \cdot b_1 a_{21}^2 a_{11} a_{22} a_{12}^2 + b_1 a_{21}^3 a_{12}^3 - b_1 a_{11}^3 a_{22}^3}{-a_{12} a_{11}^3 a_{22}^3 + 3.00 \cdot a_{12}^2 a_{11}^2 a_{22}^2 a_{21} - 3.00 \cdot a_{12}^3 a_{11} a_{22} a_{21}^2 + a_{12}^4 a_{21}^3}$	$\frac{-a_{11}^2 a_{22} + a_{12} a_{11} a_{21}}{-a_{12} a_{11} a_{22} + a_{12}^2 a_{21}}$	1.00	
Ψ	$\frac{-3.00 \cdot a_{12} c_2 a_{11}^2 a_{22}^2 b_1 a_{21} + 3.00 \cdot a_{12}^2 c_2 a_{11} a_{22} b_1 a_{21} - b_1 c_2 a_{21}^3 a_{12}^3 + b_1 c_2 a_{11}^3 a_{22}^3}{-a_{12} a_{11}^3 a_{22}^3 + 3.00 \cdot a_{12}^2 a_{11}^2 a_{22}^2 a_{21} - 3.00 \cdot a_{12}^3 a_{11} a_{22} a_{21}^2 + a_{12}^4 a_{21}^3}$	$\frac{c_2 a_{11}^2 a_{22} - c_1 a_{12} a_{11} a_{22} - a_{12} c_2 a_{11} a_{21} + c_1 a_{12}^2 a_{21}}{-a_{12} a_{11} a_{22} + a_{12}^2 a_{21}}$	0.0	

Table #1.0.0.0

Moving out basis: x_3 from line: 0

Moving to basis: x_0

pots:

pot #0:

symbol a_{12} : $(-inf, 0.0)$

symbol c_1 : $[-0.0, inf)$

symbol c_2 : $(-inf, 0.0)$

symbol a_{11} : $(-0.0, inf)$

symbol a_{22} : $(-0.0, inf)$

symbol b_1 : $[-0.0, inf)$

symbol b_2 : $[-0.0, inf)$

symbol a_{21} : $(-inf, 0.0]$

$$-c_1 a_{22} + c_2 a_{21} > 0$$

$$a_{11} a_{22} - a_{12} a_{21} > 0$$

$$c_2 a_{11} - c_1 a_{12} > 0$$

$$3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + a_{12}^3 a_{21}^3 - a_{11}^3 a_{22}^3 \geq 0$$

$$a_{11}^2 a_{22}^2 - 2.00 \cdot a_{12} a_{11} a_{22} a_{21} + a_{12}^2 a_{21}^2 > 0$$

$$-c_2 a_{11}^2 a_{22} + c_1 a_{12} a_{11} a_{22} + a_{12} c_2 a_{11} a_{21} - c_1 a_{12}^2 a_{21} > 0$$

$$a_{11} a_{22} - a_{12} a_{21} \geq 0$$

pot #1:

symbol a_{12} : $(-inf, 0.0)$

symbol c_1 : $[-0.0, inf)$

symbol c_2 : $(-inf, 0.0)$

symbol a_{11} : $(-0.0, inf)$

symbol a_{22} : $(-0.0, inf)$

symbol b_1 : $[-0.0, inf)$

symbol b_2 : $[-0.0, inf)$

symbol a_{21} : $(-inf, 0.0]$

$$-c_1 a_{22} + c_2 a_{21} > 0$$

$$a_{11} a_{22} - a_{12} a_{21} > 0$$

$$c_2 a_{11} - c_1 a_{12} > 0$$

$$-3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 + a_{11}^3 a_{22}^3 \geq 0$$

$$-a_{11}^2 a_{22}^2 + 2.00 \cdot a_{12} a_{11} a_{22} a_{21} - a_{12}^2 a_{21}^2 > 0$$

$$-c_2 a_{11}^2 a_{22} + c_1 a_{12} a_{11} a_{22} + a_{12} c_2 a_{11} a_{21} - c_1 a_{12}^2 a_{21} > 0$$

$$a_{11} a_{22} - a_{12} a_{21} \geq 0$$

pot #2:

symbol a_{12} : $(-inf, 0.0)$

symbol c_1 : $[-0.0, inf)$

symbol c_2 : $(-inf, 0.0)$

symbol a_{11} : $(-0.0, inf)$

symbol a_{22} : $(-0.0, inf)$

symbol b_1 : -0.0

symbol b_2 : $[-0.0, inf)$

symbol a_{21} : $(-inf, 0.0]$

$$-c_1 a_{22} + c_2 a_{21} > 0$$

$$a_{11} a_{22} - a_{12} a_{21} > 0$$

$$c_2 a_{11} - c_1 a_{12} > 0$$

$$3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + a_{12}^3 a_{21}^3 - a_{11}^3 a_{22}^3 \geq 0$$

$-a_{11}^2 a_{22}^2 + 2.00 \cdot a_{12} a_{11} a_{22} a_{21} - a_{12}^2 a_{21}^2 > 0$
 $-c_2 a_{11}^2 a_{22} + c_1 a_{12} a_{11} a_{22} + a_{12} c_2 a_{11} a_{21} - c_1 a_{12}^2 a_{21} > 0$
 $a_{11} a_{22} - a_{12} a_{21} \geq 0$
 pot #3:
 symbol $a_{12} : (-inf, 0.0)$
 symbol $c_1 : [-0.0, inf)$
 symbol $c_2 : (-inf, 0.0)$
 symbol $a_{11} : (-0.0, inf)$
 symbol $a_{22} : (-0.0, inf)$
 symbol $b_1 : -0.0$
 symbol $b_2 : [-0.0, inf)$
 symbol $a_{21} : (-inf, 0.0]$
 $-c_1 a_{22} + c_2 a_{21} > 0$
 $a_{11} a_{22} - a_{12} a_{21} > 0$
 $c_2 a_{11} - c_1 a_{12} > 0$
 $-3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 + a_{11}^3 a_{22}^3 \geq 0$
 $a_{11}^2 a_{22}^2 - 2.00 \cdot a_{12} a_{11} a_{22} a_{21} + a_{12}^2 a_{21}^2 > 0$
 $-c_2 a_{11}^2 a_{22} + c_1 a_{12} a_{11} a_{22} + a_{12} c_2 a_{11} a_{21} - c_1 a_{12}^2 a_{21} > 0$
 $a_{11} a_{22} - a_{12} a_{21} \geq 0$

x_0	
x_1	
Ψ	$\frac{-b_1 c_2 a_{11}^5 a_{22}^5 a_{21} + 5.00 \cdot a_{12} c_2 a_{11}^4 a_{22}^4 b_1 a_{21}^2 - 10.00 \cdot a_{12}^2 c_2 a_{11}^3 a_{22}^3 b_1 a_{21}^3 + 10.00 \cdot a_{12}^3 c_2 a_{11}^2 a_{22}^2 b_1 a_{21}^4 - 5.00 \cdot a_{12}^4 c_2 a_{11} a_{22} b_1 a_{21}^5 + b_1 c_2 a_{12}^5 a_{21}^6 + c_1 b_1 a_{11}^5 a_{21}^5}{1}$

Table #1.0.0.0

Moving out basis: x_3 from line: 0

Moving to basis: x_2

pots:

pot #0:

symbol a_{12} : $(-inf, 0.0)$

symbol c_1 : $[-0.0, inf)$

symbol c_2 : $(-inf, 0.0)$

symbol a_{11} : $(-0.0, inf)$

symbol a_{22} : $(-0.0, inf)$

symbol b_1 : $[-0.0, inf)$

symbol b_2 : $[-0.0, inf)$

symbol a_{21} : $(-inf, 0.0]$

$$-c_1 a_{22} + c_2 a_{21} > 0$$

$$a_{11} a_{22} - a_{12} a_{21} > 0$$

$$c_2 a_{11} - c_1 a_{12} > 0$$

$$3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + a_{12}^3 a_{21}^3 - a_{11}^3 a_{22}^3 \geq 0$$

$$a_{11}^2 a_{22}^2 - 2.00 \cdot a_{12} a_{11} a_{22} a_{21} + a_{12}^2 a_{21}^2 > 0$$

$$c_2 a_{11}^2 a_{22} - c_1 a_{12} a_{11} a_{22} - a_{12} c_2 a_{11} a_{21} + c_1 a_{12}^2 a_{21} \geq 0$$

$$3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + a_{12}^3 a_{21}^3 - a_{11}^3 a_{22}^3 > 0$$

$$a_{11}^3 a_{22}^3 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 > 0$$

$$8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 + 56.00 \cdot$$

$$a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - a_{11}^8 a_{22}^8 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - a_{12}^8 a_{21}^8 \geq 0$$

$$-8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 - 56.00 \cdot$$

$$a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + a_{11}^8 a_{22}^8 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + a_{12}^8 a_{21}^8 > 0$$

pot #1:

symbol a_{12} : $(-inf, 0.0)$

symbol c_1 : $[-0.0, inf)$

symbol c_2 : $(-inf, 0.0)$

symbol a_{11} : $(-0.0, inf)$

symbol a_{22} : $(-0.0, inf)$

symbol b_1 : $[-0.0, inf)$

symbol b_2 : $[-0.0, inf)$

symbol a_{21} : $(-inf, 0.0]$

$$-c_1 a_{22} + c_2 a_{21} > 0$$

$$a_{11} a_{22} - a_{12} a_{21} > 0$$

$$c_2 a_{11} - c_1 a_{12} > 0$$

$$3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + a_{12}^3 a_{21}^3 - a_{11}^3 a_{22}^3 \geq 0$$

$$a_{11}^2 a_{22}^2 - 2.00 \cdot a_{12} a_{11} a_{22} a_{21} + a_{12}^2 a_{21}^2 > 0$$

$$c_2 a_{11}^2 a_{22} - c_1 a_{12} a_{11} a_{22} - a_{12} c_2 a_{11} a_{21} + c_1 a_{12}^2 a_{21} \geq 0$$

$$3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + a_{12}^3 a_{21}^3 - a_{11}^3 a_{22}^3 > 0$$

$$a_{11}^3 a_{22}^3 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 > 0$$

$$-8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 - 56.00 \cdot$$

$$a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + a_{11}^8 a_{22}^8 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + a_{12}^8 a_{21}^8 \geq 0$$

$$8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 + 56.00 \cdot$$

$$a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - a_{11}^8 a_{22}^8 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - a_{12}^8 a_{21}^8 > 0$$

pot #2:

symbol a_{12} : $(-inf, 0.0)$

symbol c_1 : $[-0.0, inf)$

symbol $c_2 : (-inf, 0.0)$
 symbol $a_{11} : (-0.0, inf)$
 symbol $a_{22} : (-0.0, inf)$
 symbol $b_1 : [-0.0, inf)$
 symbol $b_2 : -0.0$
 symbol $a_{21} : (-inf, 0.0]$
 $-c_1 a_{22} + c_2 a_{21} > 0$
 $a_{11} a_{22} - a_{12} a_{21} > 0$
 $c_2 a_{11} - c_1 a_{12} > 0$
 $3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + a_{12}^3 a_{21}^3 - a_{11}^3 a_{22}^3 \geq 0$
 $a_{11}^2 a_{22}^2 - 2.00 \cdot a_{12} a_{11} a_{22} a_{21} + a_{12}^2 a_{21}^2 > 0$
 $c_2 a_{11}^2 a_{22} - c_1 a_{12} a_{11} a_{22} - a_{12} c_2 a_{11} a_{21} + c_1 a_{12}^2 a_{21} \geq 0$
 $3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + a_{12}^3 a_{21}^3 - a_{11}^3 a_{22}^3 > 0$
 $a_{11}^3 a_{22}^3 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 > 0$
 $8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 + 56.00 \cdot$
 $a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - a_{11}^8 a_{22}^8 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - a_{12}^8 a_{21}^8 \geq 0$
 $8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 + 56.00 \cdot$
 $a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - a_{11}^8 a_{22}^8 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - a_{12}^8 a_{21}^8 > 0$

pot #3:

symbol $a_{12} : (-inf, 0.0)$
 symbol $c_1 : [-0.0, inf)$
 symbol $c_2 : (-inf, 0.0)$
 symbol $a_{11} : (-0.0, inf)$
 symbol $a_{22} : (-0.0, inf)$
 symbol $b_1 : [-0.0, inf)$
 symbol $b_2 : -0.0$
 symbol $a_{21} : (-inf, 0.0]$
 $-c_1 a_{22} + c_2 a_{21} > 0$
 $a_{11} a_{22} - a_{12} a_{21} > 0$
 $c_2 a_{11} - c_1 a_{12} > 0$
 $3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + a_{12}^3 a_{21}^3 - a_{11}^3 a_{22}^3 \geq 0$
 $a_{11}^2 a_{22}^2 - 2.00 \cdot a_{12} a_{11} a_{22} a_{21} + a_{12}^2 a_{21}^2 > 0$
 $c_2 a_{11}^2 a_{22} - c_1 a_{12} a_{11} a_{22} - a_{12} c_2 a_{11} a_{21} + c_1 a_{12}^2 a_{21} \geq 0$
 $3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + a_{12}^3 a_{21}^3 - a_{11}^3 a_{22}^3 > 0$
 $a_{11}^3 a_{22}^3 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 > 0$
 $-8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 - 56.00 \cdot$
 $a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + a_{11}^8 a_{22}^8 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + a_{12}^8 a_{21}^8 \geq 0$
 $-8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 - 56.00 \cdot$
 $a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + a_{11}^8 a_{22}^8 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + a_{12}^8 a_{21}^8 > 0$

pot #4:

symbol $a_{12} : (-inf, 0.0)$
 symbol $c_1 : [-0.0, inf)$
 symbol $c_2 : (-inf, 0.0)$
 symbol $a_{11} : (-0.0, inf)$
 symbol $a_{22} : (-0.0, inf)$
 symbol $b_1 : [-0.0, inf)$
 symbol $b_2 : [-0.0, inf)$
 symbol $a_{21} : (-inf, 0.0]$
 $-c_1 a_{22} + c_2 a_{21} > 0$
 $a_{11} a_{22} - a_{12} a_{21} > 0$

$$\begin{aligned}
& c_2 a_{11} - c_1 a_{12} > 0 \\
& 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + a_{12}^3 a_{21}^3 - a_{11}^3 a_{22}^3 \geq 0 \\
& a_{11}^2 a_{22}^2 - 2.00 \cdot a_{12} a_{11} a_{22} a_{21} + a_{12}^2 a_{21}^2 > 0 \\
& c_2 a_{11}^2 a_{22} - c_1 a_{12} a_{11} a_{22} - a_{12} c_2 a_{11} a_{21} + c_1 a_{12}^2 a_{21} \geq 0 \\
& 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + a_{12}^3 a_{21}^3 - a_{11}^3 a_{22}^3 > 0 \\
& -3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 + a_{11}^3 a_{22}^3 > 0 \\
& 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 + 56.00 \cdot \\
& a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - a_{11}^8 a_{22}^8 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - a_{12}^8 a_{21}^8 \geq 0 \\
& -8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 - 56.00 \cdot \\
& a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + a_{11}^8 a_{22}^8 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + a_{12}^8 a_{21}^8 > 0
\end{aligned}$$

pot #5:

symbol a_{12} : $(-\inf, 0.0)$

symbol c_1 : $[-0.0, \inf)$

symbol c_2 : $(-\inf, 0.0)$

symbol a_{11} : $(-0.0, \inf)$

symbol a_{22} : $(-0.0, \inf)$

symbol b_1 : $[-0.0, \inf)$

symbol b_2 : $[-0.0, \inf)$

symbol a_{21} : $(-\inf, 0.0]$

$$-c_1 a_{22} + c_2 a_{21} > 0$$

$$a_{11} a_{22} - a_{12} a_{21} > 0$$

$$c_2 a_{11} - c_1 a_{12} > 0$$

$$3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + a_{12}^3 a_{21}^3 - a_{11}^3 a_{22}^3 \geq 0$$

$$a_{11}^2 a_{22}^2 - 2.00 \cdot a_{12} a_{11} a_{22} a_{21} + a_{12}^2 a_{21}^2 > 0$$

$$c_2 a_{11}^2 a_{22} - c_1 a_{12} a_{11} a_{22} - a_{12} c_2 a_{11} a_{21} + c_1 a_{12}^2 a_{21} \geq 0$$

$$3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + a_{12}^3 a_{21}^3 - a_{11}^3 a_{22}^3 > 0$$

$$-3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 + a_{11}^3 a_{22}^3 > 0$$

$$-8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 - 56.00 \cdot$$

$$a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + a_{11}^8 a_{22}^8 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + a_{12}^8 a_{21}^8 \geq 0$$

$$8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 + 56.00 \cdot$$

$$a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - a_{11}^8 a_{22}^8 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - a_{12}^8 a_{21}^8 > 0$$

pot #6:

symbol a_{12} : $(-\inf, 0.0)$

symbol c_1 : $[-0.0, \inf)$

symbol c_2 : $(-\inf, 0.0)$

symbol a_{11} : $(-0.0, \inf)$

symbol a_{22} : $(-0.0, \inf)$

symbol b_1 : $[-0.0, \inf)$

symbol b_2 : -0.0

symbol a_{21} : $(-\inf, 0.0]$

$$-c_1 a_{22} + c_2 a_{21} > 0$$

$$a_{11} a_{22} - a_{12} a_{21} > 0$$

$$c_2 a_{11} - c_1 a_{12} > 0$$

$$3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + a_{12}^3 a_{21}^3 - a_{11}^3 a_{22}^3 \geq 0$$

$$a_{11}^2 a_{22}^2 - 2.00 \cdot a_{12} a_{11} a_{22} a_{21} + a_{12}^2 a_{21}^2 > 0$$

$$c_2 a_{11}^2 a_{22} - c_1 a_{12} a_{11} a_{22} - a_{12} c_2 a_{11} a_{21} + c_1 a_{12}^2 a_{21} \geq 0$$

$$3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + a_{12}^3 a_{21}^3 - a_{11}^3 a_{22}^3 > 0$$

$$-3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 + a_{11}^3 a_{22}^3 > 0$$

$$8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 + 56.00 \cdot$$

$$a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - a_{11}^8 a_{22}^8 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - a_{12}^8 a_{21}^8 \geq 0$$

$$8.00 \cdot a_{12}a_{11}^7a_{22}^7a_{21} - 28.00 \cdot a_{12}^2a_{11}^6a_{22}^6a_{21}^2 + 56.00 \cdot a_{12}^3a_{11}^5a_{22}^5a_{21}^3 - 70.00 \cdot a_{12}^4a_{11}^4a_{22}^4a_{21}^4 + 56.00 \cdot a_{12}^5a_{11}^3a_{22}^3a_{21}^5 - a_{11}^8a_{22}^8 - 28.00 \cdot a_{12}^6a_{11}^2a_{22}^2a_{21}^6 + 8.00 \cdot a_{12}^7a_{11}a_{22}a_{21}^7 - a_{12}^8a_{21}^8 > 0$$

pot #7:

symbol a_{12} : $(-inf, 0.0)$

symbol c_1 : $[-0.0, inf)$

symbol c_2 : $(-inf, 0.0)$

symbol a_{11} : $(-0.0, inf)$

symbol a_{22} : $(-0.0, inf)$

symbol b_1 : $[-0.0, inf)$

symbol b_2 : -0.0

symbol a_{21} : $(-inf, 0.0]$

$$-c_1a_{22} + c_2a_{21} > 0$$

$$a_{11}a_{22} - a_{12}a_{21} > 0$$

$$c_2a_{11} - c_1a_{12} > 0$$

$$3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} - 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 + a_{12}^3a_{21}^3 - a_{11}^3a_{22}^3 \geq 0$$

$$a_{11}^2a_{22}^2 - 2.00 \cdot a_{12}a_{11}a_{22}a_{21} + a_{12}^2a_{21}^2 > 0$$

$$c_2a_{11}^2a_{22} - c_1a_{12}a_{11}a_{22} - a_{12}c_2a_{11}a_{21} + c_1a_{12}^2a_{21} \geq 0$$

$$3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} - 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 + a_{12}^3a_{21}^3 - a_{11}^3a_{22}^3 > 0$$

$$-3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} + 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 - a_{12}^3a_{21}^3 + a_{11}^3a_{22}^3 > 0$$

$$-8.00 \cdot a_{12}a_{11}^7a_{22}^7a_{21} + 28.00 \cdot a_{12}^2a_{11}^6a_{22}^6a_{21}^2 - 56.00 \cdot a_{12}^3a_{11}^5a_{22}^5a_{21}^3 + 70.00 \cdot a_{12}^4a_{11}^4a_{22}^4a_{21}^4 - 56.00 \cdot$$

$$a_{12}^5a_{11}^3a_{22}^3a_{21}^5 + a_{11}^8a_{22}^8 + 28.00 \cdot a_{12}^6a_{11}^2a_{22}^2a_{21}^6 - 8.00 \cdot a_{12}^7a_{11}a_{22}a_{21}^7 + a_{12}^8a_{21}^8 \geq 0$$

$$-8.00 \cdot a_{12}a_{11}^7a_{22}^7a_{21} + 28.00 \cdot a_{12}^2a_{11}^6a_{22}^6a_{21}^2 - 56.00 \cdot a_{12}^3a_{11}^5a_{22}^5a_{21}^3 + 70.00 \cdot a_{12}^4a_{11}^4a_{22}^4a_{21}^4 - 56.00 \cdot$$

$$a_{12}^5a_{11}^3a_{22}^3a_{21}^5 + a_{11}^8a_{22}^8 + 28.00 \cdot a_{12}^6a_{11}^2a_{22}^2a_{21}^6 - 8.00 \cdot a_{12}^7a_{11}a_{22}a_{21}^7 + a_{12}^8a_{21}^8 > 0$$

pot #8:

symbol a_{12} : $(-inf, 0.0)$

symbol c_1 : $[-0.0, inf)$

symbol c_2 : $(-inf, 0.0)$

symbol a_{11} : $(-0.0, inf)$

symbol a_{22} : $(-0.0, inf)$

symbol b_1 : $[-0.0, inf)$

symbol b_2 : $[-0.0, inf)$

symbol a_{21} : $(-inf, 0.0]$

$$-c_1a_{22} + c_2a_{21} > 0$$

$$a_{11}a_{22} - a_{12}a_{21} > 0$$

$$c_2a_{11} - c_1a_{12} > 0$$

$$3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} - 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 + a_{12}^3a_{21}^3 - a_{11}^3a_{22}^3 \geq 0$$

$$a_{11}^2a_{22}^2 - 2.00 \cdot a_{12}a_{11}a_{22}a_{21} + a_{12}^2a_{21}^2 > 0$$

$$c_2a_{11}^2a_{22} - c_1a_{12}a_{11}a_{22} - a_{12}c_2a_{11}a_{21} + c_1a_{12}^2a_{21} \geq 0$$

$$-3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} + 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 - a_{12}^3a_{21}^3 + a_{11}^3a_{22}^3 > 0$$

$$3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} - 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 + a_{12}^3a_{21}^3 - a_{11}^3a_{22}^3 > 0$$

$$8.00 \cdot a_{12}a_{11}^7a_{22}^7a_{21} - 28.00 \cdot a_{12}^2a_{11}^6a_{22}^6a_{21}^2 + 56.00 \cdot a_{12}^3a_{11}^5a_{22}^5a_{21}^3 - 70.00 \cdot a_{12}^4a_{11}^4a_{22}^4a_{21}^4 + 56.00 \cdot$$

$$a_{12}^5a_{11}^3a_{22}^3a_{21}^5 - a_{11}^8a_{22}^8 - 28.00 \cdot a_{12}^6a_{11}^2a_{22}^2a_{21}^6 + 8.00 \cdot a_{12}^7a_{11}a_{22}a_{21}^7 - a_{12}^8a_{21}^8 \geq 0$$

$$-8.00 \cdot a_{12}a_{11}^7a_{22}^7a_{21} + 28.00 \cdot a_{12}^2a_{11}^6a_{22}^6a_{21}^2 - 56.00 \cdot a_{12}^3a_{11}^5a_{22}^5a_{21}^3 + 70.00 \cdot a_{12}^4a_{11}^4a_{22}^4a_{21}^4 - 56.00 \cdot$$

$$a_{12}^5a_{11}^3a_{22}^3a_{21}^5 + a_{11}^8a_{22}^8 + 28.00 \cdot a_{12}^6a_{11}^2a_{22}^2a_{21}^6 - 8.00 \cdot a_{12}^7a_{11}a_{22}a_{21}^7 + a_{12}^8a_{21}^8 > 0$$

pot #9:

symbol a_{12} : $(-inf, 0.0)$

symbol c_1 : $[-0.0, inf)$

symbol c_2 : $(-inf, 0.0)$

symbol a_{11} : $(-0.0, inf)$

symbol a_{22} : $(-0.0, inf)$

symbol $b_1 : [-0.0, inf)$
 symbol $b_2 : [-0.0, inf)$
 symbol $a_{21} : (-inf, 0.0]$
 $-c_1 a_{22} + c_2 a_{21} > 0$
 $a_{11} a_{22} - a_{12} a_{21} > 0$
 $c_2 a_{11} - c_1 a_{12} > 0$
 $3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + a_{12}^3 a_{21}^3 - a_{11}^3 a_{22}^3 \geq 0$
 $a_{11}^2 a_{22}^2 - 2.00 \cdot a_{12} a_{11} a_{22} a_{21} + a_{12}^2 a_{21}^2 > 0$
 $c_2 a_{11}^2 a_{22} - c_1 a_{12} a_{11} a_{22} - a_{12} c_2 a_{11} a_{21} + c_1 a_{12}^2 a_{21} \geq 0$
 $-3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 + a_{11}^3 a_{22}^3 > 0$
 $3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + a_{12}^3 a_{21}^3 - a_{11}^3 a_{22}^3 > 0$
 $-8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 - 56.00 \cdot$
 $a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + a_{11}^8 a_{22}^8 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + a_{12}^8 a_{21}^8 \geq 0$
 $8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 + 56.00 \cdot$
 $a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - a_{11}^8 a_{22}^8 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - a_{12}^8 a_{21}^8 > 0$
 pot #10:

symbol $a_{12} : (-inf, 0.0)$
 symbol $c_1 : [-0.0, inf)$
 symbol $c_2 : (-inf, 0.0)$
 symbol $a_{11} : (-0.0, inf)$
 symbol $a_{22} : (-0.0, inf)$
 symbol $b_1 : [-0.0, inf)$
 symbol $b_2 : -0.0$
 symbol $a_{21} : (-inf, 0.0]$
 $-c_1 a_{22} + c_2 a_{21} > 0$
 $a_{11} a_{22} - a_{12} a_{21} > 0$
 $c_2 a_{11} - c_1 a_{12} > 0$
 $3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + a_{12}^3 a_{21}^3 - a_{11}^3 a_{22}^3 \geq 0$
 $a_{11}^2 a_{22}^2 - 2.00 \cdot a_{12} a_{11} a_{22} a_{21} + a_{12}^2 a_{21}^2 > 0$
 $c_2 a_{11}^2 a_{22} - c_1 a_{12} a_{11} a_{22} - a_{12} c_2 a_{11} a_{21} + c_1 a_{12}^2 a_{21} \geq 0$
 $-3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 + a_{11}^3 a_{22}^3 > 0$
 $3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + a_{12}^3 a_{21}^3 - a_{11}^3 a_{22}^3 > 0$
 $8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 + 56.00 \cdot$
 $a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - a_{11}^8 a_{22}^8 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - a_{12}^8 a_{21}^8 \geq 0$
 $8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 + 56.00 \cdot$
 $a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - a_{11}^8 a_{22}^8 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - a_{12}^8 a_{21}^8 > 0$

pot #11:
 symbol $a_{12} : (-inf, 0.0)$
 symbol $c_1 : [-0.0, inf)$
 symbol $c_2 : (-inf, 0.0)$
 symbol $a_{11} : (-0.0, inf)$
 symbol $a_{22} : (-0.0, inf)$
 symbol $b_1 : [-0.0, inf)$
 symbol $b_2 : -0.0$
 symbol $a_{21} : (-inf, 0.0]$

$-c_1 a_{22} + c_2 a_{21} > 0$
 $a_{11} a_{22} - a_{12} a_{21} > 0$
 $c_2 a_{11} - c_1 a_{12} > 0$
 $3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + a_{12}^3 a_{21}^3 - a_{11}^3 a_{22}^3 \geq 0$
 $a_{11}^2 a_{22}^2 - 2.00 \cdot a_{12} a_{11} a_{22} a_{21} + a_{12}^2 a_{21}^2 > 0$

$$\begin{aligned}
& c_2 a_{11}^2 a_{22} - c_1 a_{12} a_{11} a_{22} - a_{12} c_2 a_{11} a_{21} + c_1 a_{12}^2 a_{21} \geq 0 \\
& -3.00 \cdot a_{12} a_{11}^2 a_{22} a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 + a_{11}^3 a_{22}^3 > 0 \\
& 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + a_{12}^3 a_{21}^3 - a_{11}^3 a_{22}^3 > 0 \\
& -8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + 28.00 \cdot a_{12}^6 a_{11}^6 a_{22}^2 a_{21}^2 - 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 - 56.00 \cdot \\
& a_{12}^5 a_{11}^3 a_{22}^5 a_{21}^5 + a_{11}^8 a_{22}^8 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + a_{12}^8 a_{21}^8 \geq 0 \\
& -8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + 28.00 \cdot a_{12}^6 a_{11}^6 a_{22}^2 a_{21}^2 - 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 - 56.00 \cdot \\
& a_{12}^5 a_{11}^3 a_{22}^5 a_{21}^5 + a_{11}^8 a_{22}^8 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + a_{12}^8 a_{21}^8 > 0
\end{aligned}$$

pot #12:

symbol a_{12} : $(-inf, 0.0)$

symbol c_1 : $[-0.0, inf)$

symbol c_2 : $(-inf, 0.0)$

symbol a_{11} : $(-0.0, inf)$

symbol a_{22} : $(-0.0, inf)$

symbol b_1 : $[-0.0, inf)$

symbol b_2 : $[-0.0, inf)$

symbol a_{21} : $(-inf, 0.0]$

$$-c_1 a_{22} + c_2 a_{21} > 0$$

$$a_{11} a_{22} - a_{12} a_{21} > 0$$

$$c_2 a_{11} - c_1 a_{12} > 0$$

$$3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + a_{12}^3 a_{21}^3 - a_{11}^3 a_{22}^3 \geq 0$$

$$a_{11}^2 a_{22}^2 - 2.00 \cdot a_{12} a_{11} a_{22} a_{21} + a_{12}^2 a_{21}^2 > 0$$

$$c_2 a_{11}^2 a_{22} - c_1 a_{12} a_{11} a_{22} - a_{12} c_2 a_{11} a_{21} + c_1 a_{12}^2 a_{21} \geq 0$$

$$-3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 + a_{11}^3 a_{22}^3 > 0$$

$$-a_{11}^3 a_{22}^3 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + a_{12}^3 a_{21}^3 > 0$$

$$8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - 28.00 \cdot a_{12}^6 a_{11}^6 a_{22}^2 a_{21}^2 + 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 + 56.00 \cdot$$

$$a_{12}^5 a_{11}^3 a_{22}^5 a_{21}^5 - a_{11}^8 a_{22}^8 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - a_{12}^8 a_{21}^8 \geq 0$$

$$-8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + 28.00 \cdot a_{12}^6 a_{11}^6 a_{22}^2 a_{21}^2 - 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 - 56.00 \cdot$$

$$a_{12}^5 a_{11}^3 a_{22}^5 a_{21}^5 + a_{11}^8 a_{22}^8 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + a_{12}^8 a_{21}^8 > 0$$

pot #13:

symbol a_{12} : $(-inf, 0.0)$

symbol c_1 : $[-0.0, inf)$

symbol c_2 : $(-inf, 0.0)$

symbol a_{11} : $(-0.0, inf)$

symbol a_{22} : $(-0.0, inf)$

symbol b_1 : $[-0.0, inf)$

symbol b_2 : $[-0.0, inf)$

symbol a_{21} : $(-inf, 0.0]$

$$-c_1 a_{22} + c_2 a_{21} > 0$$

$$a_{11} a_{22} - a_{12} a_{21} > 0$$

$$c_2 a_{11} - c_1 a_{12} > 0$$

$$3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + a_{12}^3 a_{21}^3 - a_{11}^3 a_{22}^3 \geq 0$$

$$a_{11}^2 a_{22}^2 - 2.00 \cdot a_{12} a_{11} a_{22} a_{21} + a_{12}^2 a_{21}^2 > 0$$

$$c_2 a_{11}^2 a_{22} - c_1 a_{12} a_{11} a_{22} - a_{12} c_2 a_{11} a_{21} + c_1 a_{12}^2 a_{21} \geq 0$$

$$-3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 + a_{11}^3 a_{22}^3 > 0$$

$$-a_{11}^3 a_{22}^3 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + a_{12}^3 a_{21}^3 > 0$$

$$-8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + 28.00 \cdot a_{12}^6 a_{11}^6 a_{22}^2 a_{21}^2 - 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 - 56.00 \cdot$$

$$a_{12}^5 a_{11}^3 a_{22}^5 a_{21}^5 + a_{11}^8 a_{22}^8 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + a_{12}^8 a_{21}^8 \geq 0$$

$$8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - 28.00 \cdot a_{12}^6 a_{11}^6 a_{22}^2 a_{21}^2 + 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 + 56.00 \cdot$$

$$a_{12}^5 a_{11}^3 a_{22}^5 a_{21}^5 - a_{11}^8 a_{22}^8 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - a_{12}^8 a_{21}^8 > 0$$

pot #14:

symbol a_{12} : $(-inf, 0.0)$

symbol c_1 : $[-0.0, inf)$

symbol c_2 : $(-inf, 0.0)$

symbol a_{11} : $(-0.0, inf)$

symbol a_{22} : $(-0.0, inf)$

symbol b_1 : $[-0.0, inf)$

symbol b_2 : -0.0

symbol a_{21} : $(-inf, 0.0]$

$-c_1 a_{22} + c_2 a_{21} > 0$

$a_{11} a_{22} - a_{12} a_{21} > 0$

$c_2 a_{11} - c_1 a_{12} > 0$

$3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + a_{12}^3 a_{21}^3 - a_{11}^3 a_{22}^3 \geq 0$

$a_{11}^2 a_{22}^2 - 2.00 \cdot a_{12} a_{11} a_{22} a_{21} + a_{12}^2 a_{21}^2 > 0$

$c_2 a_{11}^2 a_{22} - c_1 a_{12} a_{11} a_{22} - a_{12} c_2 a_{11} a_{21} + c_1 a_{12}^2 a_{21} \geq 0$

$-3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 + a_{11}^3 a_{22}^3 > 0$

$-a_{11}^3 a_{22}^3 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + a_{12}^3 a_{21}^3 > 0$

$8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 + 56.00 \cdot$

$a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - a_{11}^8 a_{22}^8 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - a_{12}^8 a_{21}^8 \geq 0$

$8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 + 56.00 \cdot$

$a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - a_{11}^8 a_{22}^8 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - a_{12}^8 a_{21}^8 > 0$

pot #15:

symbol a_{12} : $(-inf, 0.0)$

symbol c_1 : $[-0.0, inf)$

symbol c_2 : $(-inf, 0.0)$

symbol a_{11} : $(-0.0, inf)$

symbol a_{22} : $(-0.0, inf)$

symbol b_1 : $[-0.0, inf)$

symbol b_2 : -0.0

symbol a_{21} : $(-inf, 0.0]$

$-c_1 a_{22} + c_2 a_{21} > 0$

$a_{11} a_{22} - a_{12} a_{21} > 0$

$c_2 a_{11} - c_1 a_{12} > 0$

$3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + a_{12}^3 a_{21}^3 - a_{11}^3 a_{22}^3 \geq 0$

$a_{11}^2 a_{22}^2 - 2.00 \cdot a_{12} a_{11} a_{22} a_{21} + a_{12}^2 a_{21}^2 > 0$

$c_2 a_{11}^2 a_{22} - c_1 a_{12} a_{11} a_{22} - a_{12} c_2 a_{11} a_{21} + c_1 a_{12}^2 a_{21} \geq 0$

$-3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 + a_{11}^3 a_{22}^3 > 0$

$-a_{11}^3 a_{22}^3 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + a_{12}^3 a_{21}^3 > 0$

$-8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 - 56.00 \cdot$

$a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + a_{11}^8 a_{22}^8 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + a_{12}^8 a_{21}^8 \geq 0$

$-8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 - 56.00 \cdot$

$a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + a_{11}^8 a_{22}^8 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + a_{12}^8 a_{21}^8 > 0$

pot #16:

symbol a_{12} : $(-inf, 0.0)$

symbol c_1 : $[-0.0, inf)$

symbol c_2 : $(-inf, 0.0)$

symbol a_{11} : $(-0.0, inf)$

symbol a_{22} : $(-0.0, inf)$

symbol b_1 : $[-0.0, inf)$

symbol b_2 : $[-0.0, inf)$

symbol a_{21} : $(-inf, 0.0]$

$-c_1 a_{22} + c_2 a_{21} > 0$
 $a_{11} a_{22} - a_{12} a_{21} > 0$
 $c_2 a_{11} - c_1 a_{12} > 0$
 $3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + a_{12}^3 a_{21}^3 - a_{11}^3 a_{22}^3 \geq 0$
 $a_{11}^2 a_{22}^2 - 2.00 \cdot a_{12} a_{11} a_{22} a_{21} + a_{12}^2 a_{21}^2 > 0$
 $c_2 a_{11}^2 a_{22} - c_1 a_{12} a_{11} a_{22} - a_{12} c_2 a_{11} a_{21} + c_1 a_{12}^2 a_{21} \geq 0$
 $3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + a_{12}^3 a_{21}^3 - a_{11}^3 a_{22}^3 > 0$
 $-3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 + a_{11}^3 a_{22}^3 \geq 0$
 $a_{11}^3 a_{22}^3 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 > 0$
 pot #17:

symbol a_{12} : $(-inf, 0.0)$
 symbol c_1 : $[-0.0, inf)$
 symbol c_2 : $(-inf, 0.0)$
 symbol a_{11} : $(-0.0, inf)$
 symbol a_{22} : $(-0.0, inf)$
 symbol b_1 : $[-0.0, inf)$
 symbol b_2 : $[-0.0, inf)$
 symbol a_{21} : $(-inf, 0.0]$

$-c_1 a_{22} + c_2 a_{21} > 0$
 $a_{11} a_{22} - a_{12} a_{21} > 0$
 $c_2 a_{11} - c_1 a_{12} > 0$
 $3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + a_{12}^3 a_{21}^3 - a_{11}^3 a_{22}^3 \geq 0$
 $a_{11}^2 a_{22}^2 - 2.00 \cdot a_{12} a_{11} a_{22} a_{21} + a_{12}^2 a_{21}^2 > 0$
 $c_2 a_{11}^2 a_{22} - c_1 a_{12} a_{11} a_{22} - a_{12} c_2 a_{11} a_{21} + c_1 a_{12}^2 a_{21} \geq 0$
 $3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + a_{12}^3 a_{21}^3 - a_{11}^3 a_{22}^3 > 0$
 pot #18:

symbol a_{12} : $(-inf, 0.0)$
 symbol c_1 : $[-0.0, inf)$
 symbol c_2 : $(-inf, 0.0)$
 symbol a_{11} : $(-0.0, inf)$
 symbol a_{22} : $(-0.0, inf)$
 symbol b_1 : $[-0.0, inf)$
 symbol b_2 : $[-0.0, inf)$
 symbol a_{21} : $(-inf, 0.0]$

$-c_1 a_{22} + c_2 a_{21} > 0$
 $a_{11} a_{22} - a_{12} a_{21} > 0$
 $c_2 a_{11} - c_1 a_{12} > 0$
 $3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + a_{12}^3 a_{21}^3 - a_{11}^3 a_{22}^3 \geq 0$
 $a_{11}^2 a_{22}^2 - 2.00 \cdot a_{12} a_{11} a_{22} a_{21} + a_{12}^2 a_{21}^2 > 0$
 $c_2 a_{11}^2 a_{22} - c_1 a_{12} a_{11} a_{22} - a_{12} c_2 a_{11} a_{21} + c_1 a_{12}^2 a_{21} \geq 0$
 $-3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 + a_{11}^3 a_{22}^3 > 0$
 $-3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 + a_{11}^3 a_{22}^3 \geq 0$
 pot #19:

symbol a_{12} : $(-inf, 0.0)$
 symbol c_1 : $[-0.0, inf)$
 symbol c_2 : $(-inf, 0.0)$
 symbol a_{11} : $(-0.0, inf)$
 symbol a_{22} : $(-0.0, inf)$
 symbol b_1 : $[-0.0, inf)$
 symbol b_2 : $[-0.0, inf)$

symbol $a_{21} : (-inf, 0.0]$

$$-c_1 a_{22} + c_2 a_{21} > 0$$

$$a_{11} a_{22} - a_{12} a_{21} > 0$$

$$c_2 a_{11} - c_1 a_{12} > 0$$

$$3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + a_{12}^3 a_{21}^3 - a_{11}^3 a_{22}^3 \geq 0$$

$$a_{11}^2 a_{22}^2 - 2.00 \cdot a_{12} a_{11} a_{22} a_{21} + a_{12}^2 a_{21}^2 > 0$$

$$c_2 a_{11}^2 a_{22} - c_1 a_{12} a_{11} a_{22} - a_{12} c_2 a_{11} a_{21} + c_1 a_{12}^2 a_{21} \geq 0$$

$$-3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 + a_{11}^3 a_{22}^3 > 0$$

$$-a_{11}^3 a_{22}^3 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + a_{12}^3 a_{21}^3 > 0$$

pot #20:

symbol $a_{12} : (-inf, 0.0)$

symbol $c_1 : [-0.0, inf)$

symbol $c_2 : (-inf, 0.0)$

symbol $a_{11} : (-0.0, inf)$

symbol $a_{22} : (-0.0, inf)$

symbol $b_1 : [-0.0, inf)$

symbol $b_2 : [-0.0, inf)$

symbol $a_{21} : (-inf, 0.0]$

$$-c_1 a_{22} + c_2 a_{21} > 0$$

$$a_{11} a_{22} - a_{12} a_{21} > 0$$

$$c_2 a_{11} - c_1 a_{12} > 0$$

$$-3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 + a_{11}^3 a_{22}^3 \geq 0$$

$$-a_{11}^2 a_{22}^2 + 2.00 \cdot a_{12} a_{11} a_{22} a_{21} - a_{12}^2 a_{21}^2 > 0$$

$$c_2 a_{11}^2 a_{22} - c_1 a_{12} a_{11} a_{22} - a_{12} c_2 a_{11} a_{21} + c_1 a_{12}^2 a_{21} \geq 0$$

$$3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + a_{12}^3 a_{21}^3 - a_{11}^3 a_{22}^3 > 0$$

$$a_{11}^3 a_{22}^3 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 > 0$$

$$8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 + 56.00 \cdot$$

$$a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - a_{11}^8 a_{22}^8 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - a_{12}^8 a_{21}^8 \geq 0$$

$$-8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 - 56.00 \cdot$$

$$a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + a_{11}^8 a_{22}^8 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + a_{12}^8 a_{21}^8 > 0$$

pot #21:

symbol $a_{12} : (-inf, 0.0)$

symbol $c_1 : [-0.0, inf)$

symbol $c_2 : (-inf, 0.0)$

symbol $a_{11} : (-0.0, inf)$

symbol $a_{22} : (-0.0, inf)$

symbol $b_1 : [-0.0, inf)$

symbol $b_2 : [-0.0, inf)$

symbol $a_{21} : (-inf, 0.0]$

$$-c_1 a_{22} + c_2 a_{21} > 0$$

$$a_{11} a_{22} - a_{12} a_{21} > 0$$

$$c_2 a_{11} - c_1 a_{12} > 0$$

$$-3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 + a_{11}^3 a_{22}^3 \geq 0$$

$$-a_{11}^2 a_{22}^2 + 2.00 \cdot a_{12} a_{11} a_{22} a_{21} - a_{12}^2 a_{21}^2 > 0$$

$$c_2 a_{11}^2 a_{22} - c_1 a_{12} a_{11} a_{22} - a_{12} c_2 a_{11} a_{21} + c_1 a_{12}^2 a_{21} \geq 0$$

$$3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + a_{12}^3 a_{21}^3 - a_{11}^3 a_{22}^3 > 0$$

$$a_{11}^3 a_{22}^3 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 > 0$$

$$-8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 - 56.00 \cdot$$

$$a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + a_{11}^8 a_{22}^8 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + a_{12}^8 a_{21}^8 \geq 0$$

$$8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 + 56.00 \cdot$$

$$a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - a_{11}^8 a_{22}^8 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - a_{12}^8 a_{21}^8 > 0$$

pot #22:

symbol a_{12} : $(-inf, 0.0)$

symbol c_1 : $[-0.0, inf)$

symbol c_2 : $(-inf, 0.0)$

symbol a_{11} : $(-0.0, inf)$

symbol a_{22} : $(-0.0, inf)$

symbol b_1 : $[-0.0, inf)$

symbol b_2 : -0.0

symbol a_{21} : $(-inf, 0.0]$

$$-c_1 a_{22} + c_2 a_{21} > 0$$

$$a_{11} a_{22} - a_{12} a_{21} > 0$$

$$c_2 a_{11} - c_1 a_{12} > 0$$

$$-3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 + a_{11}^3 a_{22}^3 \geq 0$$

$$-a_{11}^2 a_{22}^2 + 2.00 \cdot a_{12} a_{11} a_{22} a_{21} - a_{12}^2 a_{21}^2 > 0$$

$$c_2 a_{11}^2 a_{22} - c_1 a_{12} a_{11} a_{22} - a_{12} c_2 a_{11} a_{21} + c_1 a_{12}^2 a_{21} \geq 0$$

$$3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + a_{12}^3 a_{21}^3 - a_{11}^3 a_{22}^3 > 0$$

$$a_{11}^3 a_{22}^3 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 > 0$$

$$8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 + 56.00 \cdot$$

$$a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - a_{11}^8 a_{22}^8 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - a_{12}^8 a_{21}^8 \geq 0$$

$$8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 + 56.00 \cdot$$

$$a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - a_{11}^8 a_{22}^8 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - a_{12}^8 a_{21}^8 > 0$$

pot #23:

symbol a_{12} : $(-inf, 0.0)$

symbol c_1 : $[-0.0, inf)$

symbol c_2 : $(-inf, 0.0)$

symbol a_{11} : $(-0.0, inf)$

symbol a_{22} : $(-0.0, inf)$

symbol b_1 : $[-0.0, inf)$

symbol b_2 : -0.0

symbol a_{21} : $(-inf, 0.0]$

$$-c_1 a_{22} + c_2 a_{21} > 0$$

$$a_{11} a_{22} - a_{12} a_{21} > 0$$

$$c_2 a_{11} - c_1 a_{12} > 0$$

$$-3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 + a_{11}^3 a_{22}^3 \geq 0$$

$$-a_{11}^2 a_{22}^2 + 2.00 \cdot a_{12} a_{11} a_{22} a_{21} - a_{12}^2 a_{21}^2 > 0$$

$$c_2 a_{11}^2 a_{22} - c_1 a_{12} a_{11} a_{22} - a_{12} c_2 a_{11} a_{21} + c_1 a_{12}^2 a_{21} \geq 0$$

$$3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + a_{12}^3 a_{21}^3 - a_{11}^3 a_{22}^3 > 0$$

$$a_{11}^3 a_{22}^3 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 > 0$$

$$-8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 - 56.00 \cdot$$

$$a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + a_{11}^8 a_{22}^8 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + a_{12}^8 a_{21}^8 \geq 0$$

$$-8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 - 56.00 \cdot$$

$$a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + a_{11}^8 a_{22}^8 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + a_{12}^8 a_{21}^8 > 0$$

pot #24:

symbol a_{12} : $(-inf, 0.0)$

symbol c_1 : $[-0.0, inf)$

symbol c_2 : $(-inf, 0.0)$

symbol a_{11} : $(-0.0, inf)$

symbol a_{22} : $(-0.0, inf)$

symbol b_1 : $[-0.0, inf)$

symbol $b_2 : [-0.0, inf)$

symbol $a_{21} : (-inf, 0.0]$

$$-c_1 a_{22} + c_2 a_{21} > 0$$

$$a_{11} a_{22} - a_{12} a_{21} > 0$$

$$c_2 a_{11} - c_1 a_{12} > 0$$

$$-3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 + a_{11}^3 a_{22}^3 \geq 0$$

$$-a_{11}^2 a_{22}^2 + 2.00 \cdot a_{12} a_{11} a_{22} a_{21} - a_{12}^2 a_{21}^2 > 0$$

$$c_2 a_{11}^2 a_{22} - c_1 a_{12} a_{11} a_{22} - a_{12} c_2 a_{11} a_{21} + c_1 a_{12}^2 a_{21} \geq 0$$

$$3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + a_{12}^3 a_{21}^3 - a_{11}^3 a_{22}^3 > 0$$

$$-3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 + a_{11}^3 a_{22}^3 > 0$$

$$8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 + 56.00 \cdot$$

$$a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - a_{11}^8 a_{22}^8 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - a_{12}^8 a_{21}^8 \geq 0$$

$$-8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 - 56.00 \cdot$$

$$a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + a_{11}^8 a_{22}^8 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + a_{12}^8 a_{21}^8 > 0$$

pot #25:

symbol $a_{12} : (-inf, 0.0)$

symbol $c_1 : [-0.0, inf)$

symbol $c_2 : (-inf, 0.0)$

symbol $a_{11} : (-0.0, inf)$

symbol $a_{22} : (-0.0, inf)$

symbol $b_1 : [-0.0, inf)$

symbol $b_2 : [-0.0, inf)$

symbol $a_{21} : (-inf, 0.0]$

$$-c_1 a_{22} + c_2 a_{21} > 0$$

$$a_{11} a_{22} - a_{12} a_{21} > 0$$

$$c_2 a_{11} - c_1 a_{12} > 0$$

$$-3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 + a_{11}^3 a_{22}^3 \geq 0$$

$$-a_{11}^2 a_{22}^2 + 2.00 \cdot a_{12} a_{11} a_{22} a_{21} - a_{12}^2 a_{21}^2 > 0$$

$$c_2 a_{11}^2 a_{22} - c_1 a_{12} a_{11} a_{22} - a_{12} c_2 a_{11} a_{21} + c_1 a_{12}^2 a_{21} \geq 0$$

$$3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + a_{12}^3 a_{21}^3 - a_{11}^3 a_{22}^3 > 0$$

$$-3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 + a_{11}^3 a_{22}^3 > 0$$

$$-8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 - 56.00 \cdot$$

$$a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + a_{11}^8 a_{22}^8 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + a_{12}^8 a_{21}^8 \geq 0$$

$$8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 + 56.00 \cdot$$

$$a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - a_{11}^8 a_{22}^8 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - a_{12}^8 a_{21}^8 > 0$$

pot #26:

symbol $a_{12} : (-inf, 0.0)$

symbol $c_1 : [-0.0, inf)$

symbol $c_2 : (-inf, 0.0)$

symbol $a_{11} : (-0.0, inf)$

symbol $a_{22} : (-0.0, inf)$

symbol $b_1 : [-0.0, inf)$

symbol $b_2 : -0.0$

symbol $a_{21} : (-inf, 0.0]$

$$-c_1 a_{22} + c_2 a_{21} > 0$$

$$a_{11} a_{22} - a_{12} a_{21} > 0$$

$$c_2 a_{11} - c_1 a_{12} > 0$$

$$-3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 + a_{11}^3 a_{22}^3 \geq 0$$

$$-a_{11}^2 a_{22}^2 + 2.00 \cdot a_{12} a_{11} a_{22} a_{21} - a_{12}^2 a_{21}^2 > 0$$

$$c_2 a_{11}^2 a_{22} - c_1 a_{12} a_{11} a_{22} - a_{12} c_2 a_{11} a_{21} + c_1 a_{12}^2 a_{21} \geq 0$$

$$\begin{aligned}
& 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} - 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 + a_{12}^3a_{21}^3 - a_{11}^3a_{22}^3 > 0 \\
& -3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} + 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 - a_{12}^3a_{21}^3 + a_{11}^3a_{22}^3 > 0 \\
& 8.00 \cdot a_{12}a_{11}^7a_{22}^7a_{21} - 28.00 \cdot a_{12}^2a_{11}^6a_{22}^6a_{21}^2 + 56.00 \cdot a_{12}^3a_{11}^5a_{22}^5a_{21}^3 - 70.00 \cdot a_{12}^4a_{11}^4a_{22}^4a_{21}^4 + 56.00 \cdot \\
& a_{12}^5a_{11}^3a_{22}^3a_{21}^5 - a_{11}^8a_{22}^8 - 28.00 \cdot a_{12}^6a_{11}^2a_{22}^2a_{21}^6 + 8.00 \cdot a_{12}^7a_{11}a_{22}a_{21}^7 - a_{12}^8a_{21}^8 \geq 0 \\
& 8.00 \cdot a_{12}a_{11}^7a_{22}^7a_{21} - 28.00 \cdot a_{12}^2a_{11}^6a_{22}^6a_{21}^2 + 56.00 \cdot a_{12}^3a_{11}^5a_{22}^5a_{21}^3 - 70.00 \cdot a_{12}^4a_{11}^4a_{22}^4a_{21}^4 + 56.00 \cdot \\
& a_{12}^5a_{11}^3a_{22}^3a_{21}^5 - a_{11}^8a_{22}^8 - 28.00 \cdot a_{12}^6a_{11}^2a_{22}^2a_{21}^6 + 8.00 \cdot a_{12}^7a_{11}a_{22}a_{21}^7 - a_{12}^8a_{21}^8 > 0
\end{aligned}$$

pot #27:

symbol a_{12} : $(-\inf, 0.0)$

symbol c_1 : $[-0.0, \inf)$

symbol c_2 : $(-\inf, 0.0)$

symbol a_{11} : $(-0.0, \inf)$

symbol a_{22} : $(-0.0, \inf)$

symbol b_1 : $[-0.0, \inf)$

symbol b_2 : -0.0

symbol a_{21} : $(-\inf, 0.0]$

$$-c_1a_{22} + c_2a_{21} > 0$$

$$a_{11}a_{22} - a_{12}a_{21} > 0$$

$$c_2a_{11} - c_1a_{12} > 0$$

$$-3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} + 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 - a_{12}^3a_{21}^3 + a_{11}^3a_{22}^3 \geq 0$$

$$-a_{11}^2a_{22}^2 + 2.00 \cdot a_{12}a_{11}a_{22}a_{21} - a_{12}^2a_{21}^2 > 0$$

$$c_2a_{11}^2a_{22} - c_1a_{12}a_{11}a_{22} - a_{12}c_2a_{11}a_{21} + c_1a_{12}^2a_{21} \geq 0$$

$$3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} - 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 + a_{12}^3a_{21}^3 - a_{11}^3a_{22}^3 > 0$$

$$-3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} + 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 - a_{12}^3a_{21}^3 + a_{11}^3a_{22}^3 > 0$$

$$-8.00 \cdot a_{12}a_{11}^7a_{22}^7a_{21} + 28.00 \cdot a_{12}^2a_{11}^6a_{22}^6a_{21}^2 - 56.00 \cdot a_{12}^3a_{11}^5a_{22}^5a_{21}^3 + 70.00 \cdot a_{12}^4a_{11}^4a_{22}^4a_{21}^4 - 56.00 \cdot$$

$$a_{12}^5a_{11}^3a_{22}^3a_{21}^5 + a_{11}^8a_{22}^8 + 28.00 \cdot a_{12}^6a_{11}^2a_{22}^2a_{21}^6 - 8.00 \cdot a_{12}^7a_{11}a_{22}a_{21}^7 + a_{12}^8a_{21}^8 \geq 0$$

$$-8.00 \cdot a_{12}a_{11}^7a_{22}^7a_{21} + 28.00 \cdot a_{12}^2a_{11}^6a_{22}^6a_{21}^2 - 56.00 \cdot a_{12}^3a_{11}^5a_{22}^5a_{21}^3 + 70.00 \cdot a_{12}^4a_{11}^4a_{22}^4a_{21}^4 - 56.00 \cdot$$

$$a_{12}^5a_{11}^3a_{22}^3a_{21}^5 + a_{11}^8a_{22}^8 + 28.00 \cdot a_{12}^6a_{11}^2a_{22}^2a_{21}^6 - 8.00 \cdot a_{12}^7a_{11}a_{22}a_{21}^7 + a_{12}^8a_{21}^8 > 0$$

pot #28:

symbol a_{12} : $(-\inf, 0.0)$

symbol c_1 : $[-0.0, \inf)$

symbol c_2 : $(-\inf, 0.0)$

symbol a_{11} : $(-0.0, \inf)$

symbol a_{22} : $(-0.0, \inf)$

symbol b_1 : $[-0.0, \inf)$

symbol b_2 : $[-0.0, \inf)$

symbol a_{21} : $(-\inf, 0.0]$

$$-c_1a_{22} + c_2a_{21} > 0$$

$$a_{11}a_{22} - a_{12}a_{21} > 0$$

$$c_2a_{11} - c_1a_{12} > 0$$

$$-3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} + 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 - a_{12}^3a_{21}^3 + a_{11}^3a_{22}^3 \geq 0$$

$$-a_{11}^2a_{22}^2 + 2.00 \cdot a_{12}a_{11}a_{22}a_{21} - a_{12}^2a_{21}^2 > 0$$

$$c_2a_{11}^2a_{22} - c_1a_{12}a_{11}a_{22} - a_{12}c_2a_{11}a_{21} + c_1a_{12}^2a_{21} \geq 0$$

$$-3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} + 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 - a_{12}^3a_{21}^3 + a_{11}^3a_{22}^3 > 0$$

$$3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} - 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 + a_{12}^3a_{21}^3 - a_{11}^3a_{22}^3 > 0$$

$$8.00 \cdot a_{12}a_{11}^7a_{22}^7a_{21} - 28.00 \cdot a_{12}^2a_{11}^6a_{22}^6a_{21}^2 + 56.00 \cdot a_{12}^3a_{11}^5a_{22}^5a_{21}^3 - 70.00 \cdot a_{12}^4a_{11}^4a_{22}^4a_{21}^4 + 56.00 \cdot$$

$$a_{12}^5a_{11}^3a_{22}^3a_{21}^5 - a_{11}^8a_{22}^8 - 28.00 \cdot a_{12}^6a_{11}^2a_{22}^2a_{21}^6 + 8.00 \cdot a_{12}^7a_{11}a_{22}a_{21}^7 - a_{12}^8a_{21}^8 \geq 0$$

$$-8.00 \cdot a_{12}a_{11}^7a_{22}^7a_{21} + 28.00 \cdot a_{12}^2a_{11}^6a_{22}^6a_{21}^2 - 56.00 \cdot a_{12}^3a_{11}^5a_{22}^5a_{21}^3 + 70.00 \cdot a_{12}^4a_{11}^4a_{22}^4a_{21}^4 - 56.00 \cdot$$

$$a_{12}^5a_{11}^3a_{22}^3a_{21}^5 + a_{11}^8a_{22}^8 + 28.00 \cdot a_{12}^6a_{11}^2a_{22}^2a_{21}^6 - 8.00 \cdot a_{12}^7a_{11}a_{22}a_{21}^7 + a_{12}^8a_{21}^8 > 0$$

pot #29:

symbol a_{12} : $(-\inf, 0.0)$

symbol $c_1 : [-0.0, inf)$
symbol $c_2 : (-inf, 0.0)$
symbol $a_{11} : (-0.0, inf)$
symbol $a_{22} : (-0.0, inf)$
symbol $b_1 : [-0.0, inf)$
symbol $b_2 : [-0.0, inf)$
symbol $a_{21} : (-inf, 0.0]$
 $-c_1 a_{22} + c_2 a_{21} > 0$
 $a_{11} a_{22} - a_{12} a_{21} > 0$
 $c_2 a_{11} - c_1 a_{12} > 0$
 $-3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 + a_{11}^3 a_{22}^3 \geq 0$
 $-a_{11}^2 a_{22}^2 + 2.00 \cdot a_{12} a_{11} a_{22} a_{21} - a_{12}^2 a_{21}^2 > 0$
 $c_2 a_{11}^2 a_{22} - c_1 a_{12} a_{11} a_{22} - a_{12} c_2 a_{11} a_{21} + c_1 a_{12}^2 a_{21} \geq 0$
 $-3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 + a_{11}^3 a_{22}^3 > 0$
 $3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + a_{12}^3 a_{21}^3 - a_{11}^3 a_{22}^3 > 0$
 $-8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 - 56.00 \cdot$
 $a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + a_{11}^8 a_{22}^8 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + a_{12}^8 a_{21}^8 \geq 0$
 $8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 + 56.00 \cdot$
 $a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - a_{11}^8 a_{22}^8 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - a_{12}^8 a_{21}^8 > 0$
pot #30:
symbol $a_{12} : (-inf, 0.0)$
symbol $c_1 : [-0.0, inf)$
symbol $c_2 : (-inf, 0.0)$
symbol $a_{11} : (-0.0, inf)$
symbol $a_{22} : (-0.0, inf)$
symbol $b_1 : [-0.0, inf)$
symbol $b_2 : -0.0$
symbol $a_{21} : (-inf, 0.0]$
 $-c_1 a_{22} + c_2 a_{21} > 0$
 $a_{11} a_{22} - a_{12} a_{21} > 0$
 $c_2 a_{11} - c_1 a_{12} > 0$
 $-3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 + a_{11}^3 a_{22}^3 \geq 0$
 $-a_{11}^2 a_{22}^2 + 2.00 \cdot a_{12} a_{11} a_{22} a_{21} - a_{12}^2 a_{21}^2 > 0$
 $c_2 a_{11}^2 a_{22} - c_1 a_{12} a_{11} a_{22} - a_{12} c_2 a_{11} a_{21} + c_1 a_{12}^2 a_{21} \geq 0$
 $-3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 + a_{11}^3 a_{22}^3 > 0$
 $3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + a_{12}^3 a_{21}^3 - a_{11}^3 a_{22}^3 > 0$
 $8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 + 56.00 \cdot$
 $a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - a_{11}^8 a_{22}^8 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - a_{12}^8 a_{21}^8 \geq 0$
 $8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 + 56.00 \cdot$
 $a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - a_{11}^8 a_{22}^8 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - a_{12}^8 a_{21}^8 > 0$
pot #31:
symbol $a_{12} : (-inf, 0.0)$
symbol $c_1 : [-0.0, inf)$
symbol $c_2 : (-inf, 0.0)$
symbol $a_{11} : (-0.0, inf)$
symbol $a_{22} : (-0.0, inf)$
symbol $b_1 : [-0.0, inf)$
symbol $b_2 : -0.0$
symbol $a_{21} : (-inf, 0.0]$
 $-c_1 a_{22} + c_2 a_{21} > 0$

$$\begin{aligned}
& a_{11}a_{22} - a_{12}a_{21} > 0 \\
& c_2a_{11} - c_1a_{12} > 0 \\
& -3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} + 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 - a_{12}^3a_{21}^3 + a_{11}^3a_{22}^3 \geq 0 \\
& -a_{11}^2a_{22}^2 + 2.00 \cdot a_{12}a_{11}a_{22}a_{21} - a_{12}^2a_{21}^2 > 0 \\
& c_2a_{11}^2a_{22} - c_1a_{12}a_{11}a_{22} - a_{12}c_2a_{11}a_{21} + c_1a_{12}^2a_{21} \geq 0 \\
& -3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} + 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 - a_{12}^3a_{21}^3 + a_{11}^3a_{22}^3 > 0 \\
& 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} - 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 + a_{12}^3a_{21}^3 - a_{11}^3a_{22}^3 > 0 \\
& -8.00 \cdot a_{12}a_{11}^7a_{22}^7a_{21} + 28.00 \cdot a_{12}^2a_{11}^6a_{22}^6a_{21}^2 - 56.00 \cdot a_{12}^3a_{11}^5a_{22}^5a_{21}^3 + 70.00 \cdot a_{12}^4a_{11}^4a_{22}^4a_{21}^4 - 56.00 \cdot \\
& a_{12}^5a_{11}^3a_{22}^3a_{21}^5 + a_{11}^8a_{22}^8 + 28.00 \cdot a_{12}^6a_{11}^2a_{22}^2a_{21}^6 - 8.00 \cdot a_{12}^7a_{11}a_{22}a_{21}^7 + a_{12}^8a_{21}^8 \geq 0 \\
& -8.00 \cdot a_{12}a_{11}^7a_{22}^7a_{21} + 28.00 \cdot a_{12}^2a_{11}^6a_{22}^6a_{21}^2 - 56.00 \cdot a_{12}^3a_{11}^5a_{22}^5a_{21}^3 + 70.00 \cdot a_{12}^4a_{11}^4a_{22}^4a_{21}^4 - 56.00 \cdot \\
& a_{12}^5a_{11}^3a_{22}^3a_{21}^5 + a_{11}^8a_{22}^8 + 28.00 \cdot a_{12}^6a_{11}^2a_{22}^2a_{21}^6 - 8.00 \cdot a_{12}^7a_{11}a_{22}a_{21}^7 + a_{12}^8a_{21}^8 > 0
\end{aligned}$$

pot #32:

symbol a_{12} : $(-\inf, 0.0)$

symbol c_1 : $[-0.0, \inf)$

symbol c_2 : $(-\inf, 0.0)$

symbol a_{11} : $(-0.0, \inf)$

symbol a_{22} : $(-0.0, \inf)$

symbol b_1 : $[-0.0, \inf)$

symbol b_2 : $[-0.0, \inf)$

symbol a_{21} : $(-\inf, 0.0]$

$$-c_1a_{22} + c_2a_{21} > 0$$

$$a_{11}a_{22} - a_{12}a_{21} > 0$$

$$c_2a_{11} - c_1a_{12} > 0$$

$$-3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} + 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 - a_{12}^3a_{21}^3 + a_{11}^3a_{22}^3 \geq 0$$

$$-a_{11}^2a_{22}^2 + 2.00 \cdot a_{12}a_{11}a_{22}a_{21} - a_{12}^2a_{21}^2 > 0$$

$$c_2a_{11}^2a_{22} - c_1a_{12}a_{11}a_{22} - a_{12}c_2a_{11}a_{21} + c_1a_{12}^2a_{21} \geq 0$$

$$-3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} + 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 - a_{12}^3a_{21}^3 + a_{11}^3a_{22}^3 > 0$$

$$-a_{11}^3a_{22}^3 + 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} - 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 + a_{12}^3a_{21}^3 > 0$$

$$8.00 \cdot a_{12}a_{11}^7a_{22}^7a_{21} - 28.00 \cdot a_{12}^2a_{11}^6a_{22}^6a_{21}^2 + 56.00 \cdot a_{12}^3a_{11}^5a_{22}^5a_{21}^3 - 70.00 \cdot a_{12}^4a_{11}^4a_{22}^4a_{21}^4 + 56.00 \cdot$$

$$a_{12}^5a_{11}^3a_{22}^3a_{21}^5 - a_{11}^8a_{22}^8 - 28.00 \cdot a_{12}^6a_{11}^2a_{22}^2a_{21}^6 + 8.00 \cdot a_{12}^7a_{11}a_{22}a_{21}^7 - a_{12}^8a_{21}^8 \geq 0$$

$$-8.00 \cdot a_{12}a_{11}^7a_{22}^7a_{21} + 28.00 \cdot a_{12}^2a_{11}^6a_{22}^6a_{21}^2 - 56.00 \cdot a_{12}^3a_{11}^5a_{22}^5a_{21}^3 + 70.00 \cdot a_{12}^4a_{11}^4a_{22}^4a_{21}^4 - 56.00 \cdot$$

$$a_{12}^5a_{11}^3a_{22}^3a_{21}^5 + a_{11}^8a_{22}^8 + 28.00 \cdot a_{12}^6a_{11}^2a_{22}^2a_{21}^6 - 8.00 \cdot a_{12}^7a_{11}a_{22}a_{21}^7 + a_{12}^8a_{21}^8 > 0$$

pot #33:

symbol a_{12} : $(-\inf, 0.0)$

symbol c_1 : $[-0.0, \inf)$

symbol c_2 : $(-\inf, 0.0)$

symbol a_{11} : $(-0.0, \inf)$

symbol a_{22} : $(-0.0, \inf)$

symbol b_1 : $[-0.0, \inf)$

symbol b_2 : $[-0.0, \inf)$

symbol a_{21} : $(-\inf, 0.0]$

$$-c_1a_{22} + c_2a_{21} > 0$$

$$a_{11}a_{22} - a_{12}a_{21} > 0$$

$$c_2a_{11} - c_1a_{12} > 0$$

$$-3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} + 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 - a_{12}^3a_{21}^3 + a_{11}^3a_{22}^3 \geq 0$$

$$-a_{11}^2a_{22}^2 + 2.00 \cdot a_{12}a_{11}a_{22}a_{21} - a_{12}^2a_{21}^2 > 0$$

$$c_2a_{11}^2a_{22} - c_1a_{12}a_{11}a_{22} - a_{12}c_2a_{11}a_{21} + c_1a_{12}^2a_{21} \geq 0$$

$$-3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} + 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 - a_{12}^3a_{21}^3 + a_{11}^3a_{22}^3 > 0$$

$$-a_{11}^3a_{22}^3 + 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} - 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 + a_{12}^3a_{21}^3 > 0$$

$$-8.00 \cdot a_{12}a_{11}^7a_{22}^7a_{21} + 28.00 \cdot a_{12}^2a_{11}^6a_{22}^6a_{21}^2 - 56.00 \cdot a_{12}^3a_{11}^5a_{22}^5a_{21}^3 + 70.00 \cdot a_{12}^4a_{11}^4a_{22}^4a_{21}^4 - 56.00 \cdot$$

$$\begin{aligned}
& a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + a_{11}^8 a_{22}^8 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + a_{12}^8 a_{21}^8 \geq 0 \\
& 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 + 56.00 \cdot \\
& a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - a_{11}^8 a_{22}^8 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - a_{12}^8 a_{21}^8 > 0
\end{aligned}$$

pot #34:

symbol a_{12} : $(-inf, 0.0)$

symbol c_1 : $[-0.0, inf)$

symbol c_2 : $(-inf, 0.0)$

symbol a_{11} : $(-0.0, inf)$

symbol a_{22} : $(-0.0, inf)$

symbol b_1 : $[-0.0, inf)$

symbol b_2 : -0.0

symbol a_{21} : $(-inf, 0.0]$

$$-c_1 a_{22} + c_2 a_{21} > 0$$

$$a_{11} a_{22} - a_{12} a_{21} > 0$$

$$c_2 a_{11} - c_1 a_{12} > 0$$

$$-3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 + a_{11}^3 a_{22}^3 \geq 0$$

$$-a_{11}^2 a_{22}^2 + 2.00 \cdot a_{12} a_{11} a_{22} a_{21} - a_{12}^2 a_{21}^2 > 0$$

$$c_2 a_{11}^2 a_{22} - c_1 a_{12} a_{11} a_{22} - a_{12} c_2 a_{11} a_{21} + c_1 a_{12}^2 a_{21} \geq 0$$

$$-3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 + a_{11}^3 a_{22}^3 > 0$$

$$-a_{11}^3 a_{22}^3 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + a_{12}^3 a_{21}^3 > 0$$

$$8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 + 56.00 \cdot$$

$$a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - a_{11}^8 a_{22}^8 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - a_{12}^8 a_{21}^8 \geq 0$$

$$8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 + 56.00 \cdot$$

$$a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - a_{11}^8 a_{22}^8 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - a_{12}^8 a_{21}^8 > 0$$

pot #35:

symbol a_{12} : $(-inf, 0.0)$

symbol c_1 : $[-0.0, inf)$

symbol c_2 : $(-inf, 0.0)$

symbol a_{11} : $(-0.0, inf)$

symbol a_{22} : $(-0.0, inf)$

symbol b_1 : $[-0.0, inf)$

symbol b_2 : -0.0

symbol a_{21} : $(-inf, 0.0]$

$$-c_1 a_{22} + c_2 a_{21} > 0$$

$$a_{11} a_{22} - a_{12} a_{21} > 0$$

$$c_2 a_{11} - c_1 a_{12} > 0$$

$$-3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 + a_{11}^3 a_{22}^3 \geq 0$$

$$-a_{11}^2 a_{22}^2 + 2.00 \cdot a_{12} a_{11} a_{22} a_{21} - a_{12}^2 a_{21}^2 > 0$$

$$c_2 a_{11}^2 a_{22} - c_1 a_{12} a_{11} a_{22} - a_{12} c_2 a_{11} a_{21} + c_1 a_{12}^2 a_{21} \geq 0$$

$$-3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 + a_{11}^3 a_{22}^3 > 0$$

$$-a_{11}^3 a_{22}^3 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + a_{12}^3 a_{21}^3 > 0$$

$$-8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 - 56.00 \cdot$$

$$a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + a_{11}^8 a_{22}^8 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + a_{12}^8 a_{21}^8 \geq 0$$

$$-8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 - 56.00 \cdot$$

$$a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + a_{11}^8 a_{22}^8 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + a_{12}^8 a_{21}^8 > 0$$

pot #36:

symbol a_{12} : $(-inf, 0.0)$

symbol c_1 : $[-0.0, inf)$

symbol c_2 : $(-inf, 0.0)$

symbol a_{11} : $(-0.0, inf)$

symbol $a_{22} : (-0.0, inf)$
 symbol $b_1 : [-0.0, inf)$
 symbol $b_2 : [-0.0, inf)$
 symbol $a_{21} : (-inf, 0.0]$
 $-c_1 a_{22} + c_2 a_{21} > 0$
 $a_{11} a_{22} - a_{12} a_{21} > 0$
 $c_2 a_{11} - c_1 a_{12} > 0$
 $-3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 + a_{11}^3 a_{22}^3 \geq 0$
 $-a_{11}^2 a_{22}^2 + 2.00 \cdot a_{12} a_{11} a_{22} a_{21} - a_{12}^2 a_{21}^2 > 0$
 $c_2 a_{11}^2 a_{22} - c_1 a_{12} a_{11} a_{22} - a_{12} c_2 a_{11} a_{21} + c_1 a_{12}^2 a_{21} \geq 0$
 $3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + a_{12}^3 a_{21}^3 - a_{11}^3 a_{22}^3 > 0$
 $a_{11}^3 a_{22}^3 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 > 0$
 pot #37:
 symbol $a_{12} : (-inf, 0.0)$
 symbol $c_1 : [-0.0, inf)$
 symbol $c_2 : (-inf, 0.0)$
 symbol $a_{11} : (-0.0, inf)$
 symbol $a_{22} : (-0.0, inf)$
 symbol $b_1 : [-0.0, inf)$
 symbol $b_2 : [-0.0, inf)$
 symbol $a_{21} : (-inf, 0.0]$
 $-c_1 a_{22} + c_2 a_{21} > 0$
 $a_{11} a_{22} - a_{12} a_{21} > 0$
 $c_2 a_{11} - c_1 a_{12} > 0$
 $-3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 + a_{11}^3 a_{22}^3 \geq 0$
 $-a_{11}^2 a_{22}^2 + 2.00 \cdot a_{12} a_{11} a_{22} a_{21} - a_{12}^2 a_{21}^2 > 0$
 $c_2 a_{11}^2 a_{22} - c_1 a_{12} a_{11} a_{22} - a_{12} c_2 a_{11} a_{21} + c_1 a_{12}^2 a_{21} \geq 0$
 $3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + a_{12}^3 a_{21}^3 - a_{11}^3 a_{22}^3 > 0$
 $3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + a_{12}^3 a_{21}^3 - a_{11}^3 a_{22}^3 \geq 0$
 pot #38:
 symbol $a_{12} : (-inf, 0.0)$
 symbol $c_1 : [-0.0, inf)$
 symbol $c_2 : (-inf, 0.0)$
 symbol $a_{11} : (-0.0, inf)$
 symbol $a_{22} : (-0.0, inf)$
 symbol $b_1 : [-0.0, inf)$
 symbol $b_2 : [-0.0, inf)$
 symbol $a_{21} : (-inf, 0.0]$
 $-c_1 a_{22} + c_2 a_{21} > 0$
 $a_{11} a_{22} - a_{12} a_{21} > 0$
 $c_2 a_{11} - c_1 a_{12} > 0$
 $-3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 + a_{11}^3 a_{22}^3 \geq 0$
 $-a_{11}^2 a_{22}^2 + 2.00 \cdot a_{12} a_{11} a_{22} a_{21} - a_{12}^2 a_{21}^2 > 0$
 $c_2 a_{11}^2 a_{22} - c_1 a_{12} a_{11} a_{22} - a_{12} c_2 a_{11} a_{21} + c_1 a_{12}^2 a_{21} \geq 0$
 $-3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 + a_{11}^3 a_{22}^3 > 0$
 pot #39:
 symbol $a_{12} : (-inf, 0.0)$
 symbol $c_1 : [-0.0, inf)$
 symbol $c_2 : (-inf, 0.0)$
 symbol $a_{11} : (-0.0, inf)$

symbol $a_{22} : (-0.0, inf)$

symbol $b_1 : [-0.0, inf)$

symbol $b_2 : [-0.0, inf)$

symbol $a_{21} : (-inf, 0.0]$

$$-c_1 a_{22} + c_2 a_{21} > 0$$

$$a_{11} a_{22} - a_{12} a_{21} > 0$$

$$c_2 a_{11} - c_1 a_{12} > 0$$

$$-3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 + a_{11}^3 a_{22}^3 \geq 0$$

$$-a_{11}^2 a_{22}^2 + 2.00 \cdot a_{12} a_{11} a_{22} a_{21} - a_{12}^2 a_{21}^2 > 0$$

$$c_2 a_{11}^2 a_{22} - c_1 a_{12} a_{11} a_{22} - a_{12} c_2 a_{11} a_{21} + c_1 a_{12}^2 a_{21} \geq 0$$

$$-3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 + a_{11}^3 a_{22}^3 > 0$$

$$3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + a_{12}^3 a_{21}^3 - a_{11}^3 a_{22}^3 \geq 0$$

$$-a_{11}^3 a_{22}^3 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + a_{12}^3 a_{21}^3 > 0$$

pot #40:

symbol $a_{12} : (-inf, 0.0)$

symbol $c_1 : [-0.0, inf)$

symbol $c_2 : (-inf, 0.0)$

symbol $a_{11} : (-0.0, inf)$

symbol $a_{22} : (-0.0, inf)$

symbol $b_1 : -0.0$

symbol $b_2 : [-0.0, inf)$

symbol $a_{21} : (-inf, 0.0]$

$$-c_1 a_{22} + c_2 a_{21} > 0$$

$$a_{11} a_{22} - a_{12} a_{21} > 0$$

$$c_2 a_{11} - c_1 a_{12} > 0$$

$$3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + a_{12}^3 a_{21}^3 - a_{11}^3 a_{22}^3 \geq 0$$

$$-a_{11}^2 a_{22}^2 + 2.00 \cdot a_{12} a_{11} a_{22} a_{21} - a_{12}^2 a_{21}^2 > 0$$

$$c_2 a_{11}^2 a_{22} - c_1 a_{12} a_{11} a_{22} - a_{12} c_2 a_{11} a_{21} + c_1 a_{12}^2 a_{21} \geq 0$$

$$3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + a_{12}^3 a_{21}^3 - a_{11}^3 a_{22}^3 > 0$$

$$a_{11}^3 a_{22}^3 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 > 0$$

$$8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 + 56.00 \cdot$$

$$a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - a_{11}^8 a_{22}^8 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - a_{12}^8 a_{21}^8 \geq 0$$

$$-8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 - 56.00 \cdot$$

$$a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + a_{11}^8 a_{22}^8 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + a_{12}^8 a_{21}^8 > 0$$

pot #41:

symbol $a_{12} : (-inf, 0.0)$

symbol $c_1 : [-0.0, inf)$

symbol $c_2 : (-inf, 0.0)$

symbol $a_{11} : (-0.0, inf)$

symbol $a_{22} : (-0.0, inf)$

symbol $b_1 : -0.0$

symbol $b_2 : [-0.0, inf)$

symbol $a_{21} : (-inf, 0.0]$

$$-c_1 a_{22} + c_2 a_{21} > 0$$

$$a_{11} a_{22} - a_{12} a_{21} > 0$$

$$c_2 a_{11} - c_1 a_{12} > 0$$

$$3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + a_{12}^3 a_{21}^3 - a_{11}^3 a_{22}^3 \geq 0$$

$$-a_{11}^2 a_{22}^2 + 2.00 \cdot a_{12} a_{11} a_{22} a_{21} - a_{12}^2 a_{21}^2 > 0$$

$$c_2 a_{11}^2 a_{22} - c_1 a_{12} a_{11} a_{22} - a_{12} c_2 a_{11} a_{21} + c_1 a_{12}^2 a_{21} \geq 0$$

$$3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + a_{12}^3 a_{21}^3 - a_{11}^3 a_{22}^3 > 0$$

$$\begin{aligned}
& a_{11}^3 a_{22}^3 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 > 0 \\
& -8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 - 56.00 \cdot \\
& a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + a_{11}^8 a_{22}^8 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + a_{12}^8 a_{21}^8 \geq 0 \\
& 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 + 56.00 \cdot \\
& a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - a_{11}^8 a_{22}^8 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - a_{12}^8 a_{21}^8 > 0
\end{aligned}$$

pot #42:

symbol a_{12} : $(-inf, 0.0)$

symbol c_1 : $[-0.0, inf)$

symbol c_2 : $(-inf, 0.0)$

symbol a_{11} : $(-0.0, inf)$

symbol a_{22} : $(-0.0, inf)$

symbol b_1 : -0.0

symbol b_2 : -0.0

symbol a_{21} : $(-inf, 0.0]$

$$-c_1 a_{22} + c_2 a_{21} > 0$$

$$a_{11} a_{22} - a_{12} a_{21} > 0$$

$$c_2 a_{11} - c_1 a_{12} > 0$$

$$3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + a_{12}^3 a_{21}^3 - a_{11}^3 a_{22}^3 \geq 0$$

$$-a_{11}^2 a_{22}^2 + 2.00 \cdot a_{12} a_{11} a_{22} a_{21} - a_{12}^2 a_{21}^2 > 0$$

$$c_2 a_{11}^2 a_{22} - c_1 a_{12} a_{11} a_{22} - a_{12} c_2 a_{11} a_{21} + c_1 a_{12}^2 a_{21} \geq 0$$

$$3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + a_{12}^3 a_{21}^3 - a_{11}^3 a_{22}^3 > 0$$

$$a_{11}^3 a_{22}^3 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 > 0$$

$$8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 + 56.00 \cdot$$

$$a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - a_{11}^8 a_{22}^8 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - a_{12}^8 a_{21}^8 \geq 0$$

$$8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 + 56.00 \cdot$$

$$a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - a_{11}^8 a_{22}^8 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - a_{12}^8 a_{21}^8 > 0$$

pot #43:

symbol a_{12} : $(-inf, 0.0)$

symbol c_1 : $[-0.0, inf)$

symbol c_2 : $(-inf, 0.0)$

symbol a_{11} : $(-0.0, inf)$

symbol a_{22} : $(-0.0, inf)$

symbol b_1 : -0.0

symbol b_2 : -0.0

symbol a_{21} : $(-inf, 0.0]$

$$-c_1 a_{22} + c_2 a_{21} > 0$$

$$a_{11} a_{22} - a_{12} a_{21} > 0$$

$$c_2 a_{11} - c_1 a_{12} > 0$$

$$3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + a_{12}^3 a_{21}^3 - a_{11}^3 a_{22}^3 \geq 0$$

$$-a_{11}^2 a_{22}^2 + 2.00 \cdot a_{12} a_{11} a_{22} a_{21} - a_{12}^2 a_{21}^2 > 0$$

$$c_2 a_{11}^2 a_{22} - c_1 a_{12} a_{11} a_{22} - a_{12} c_2 a_{11} a_{21} + c_1 a_{12}^2 a_{21} \geq 0$$

$$3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + a_{12}^3 a_{21}^3 - a_{11}^3 a_{22}^3 > 0$$

$$a_{11}^3 a_{22}^3 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 > 0$$

$$-8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 - 56.00 \cdot$$

$$a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + a_{11}^8 a_{22}^8 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + a_{12}^8 a_{21}^8 \geq 0$$

$$-8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 - 56.00 \cdot$$

$$a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + a_{11}^8 a_{22}^8 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + a_{12}^8 a_{21}^8 > 0$$

pot #44:

symbol a_{12} : $(-inf, 0.0)$

symbol c_1 : $[-0.0, inf)$

symbol $c_2 : (-inf, 0.0)$
 symbol $a_{11} : (-0.0, inf)$
 symbol $a_{22} : (-0.0, inf)$
 symbol $b_1 : -0.0$
 symbol $b_2 : [-0.0, inf)$
 symbol $a_{21} : (-inf, 0.0]$
 $-c_1 a_{22} + c_2 a_{21} > 0$
 $a_{11} a_{22} - a_{12} a_{21} > 0$
 $c_2 a_{11} - c_1 a_{12} > 0$
 $3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + a_{12}^3 a_{21}^3 - a_{11}^3 a_{22}^3 \geq 0$
 $-a_{11}^2 a_{22}^2 + 2.00 \cdot a_{12} a_{11} a_{22} a_{21} - a_{12}^2 a_{21}^2 > 0$
 $c_2 a_{11}^2 a_{22} - c_1 a_{12} a_{11} a_{22} - a_{12} c_2 a_{11} a_{21} + c_1 a_{12}^2 a_{21} \geq 0$
 $3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + a_{12}^3 a_{21}^3 - a_{11}^3 a_{22}^3 > 0$
 $-3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 + a_{11}^3 a_{22}^3 > 0$
 $8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 + 56.00 \cdot$
 $a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - a_{11}^8 a_{22}^8 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - a_{12}^8 a_{21}^8 \geq 0$
 $-8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 - 56.00 \cdot$
 $a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + a_{11}^8 a_{22}^8 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + a_{12}^8 a_{21}^8 > 0$

pot #45:

symbol $a_{12} : (-inf, 0.0)$
 symbol $c_1 : [-0.0, inf)$
 symbol $c_2 : (-inf, 0.0)$
 symbol $a_{11} : (-0.0, inf)$
 symbol $a_{22} : (-0.0, inf)$
 symbol $b_1 : -0.0$
 symbol $b_2 : [-0.0, inf)$
 symbol $a_{21} : (-inf, 0.0]$
 $-c_1 a_{22} + c_2 a_{21} > 0$
 $a_{11} a_{22} - a_{12} a_{21} > 0$
 $c_2 a_{11} - c_1 a_{12} > 0$
 $3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + a_{12}^3 a_{21}^3 - a_{11}^3 a_{22}^3 \geq 0$
 $-a_{11}^2 a_{22}^2 + 2.00 \cdot a_{12} a_{11} a_{22} a_{21} - a_{12}^2 a_{21}^2 > 0$
 $c_2 a_{11}^2 a_{22} - c_1 a_{12} a_{11} a_{22} - a_{12} c_2 a_{11} a_{21} + c_1 a_{12}^2 a_{21} \geq 0$
 $3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + a_{12}^3 a_{21}^3 - a_{11}^3 a_{22}^3 > 0$
 $-3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 + a_{11}^3 a_{22}^3 > 0$
 $-8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 - 56.00 \cdot$
 $a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + a_{11}^8 a_{22}^8 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + a_{12}^8 a_{21}^8 \geq 0$
 $8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 + 56.00 \cdot$
 $a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - a_{11}^8 a_{22}^8 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - a_{12}^8 a_{21}^8 > 0$

pot #46:

symbol $a_{12} : (-inf, 0.0)$
 symbol $c_1 : [-0.0, inf)$
 symbol $c_2 : (-inf, 0.0)$
 symbol $a_{11} : (-0.0, inf)$
 symbol $a_{22} : (-0.0, inf)$
 symbol $b_1 : -0.0$
 symbol $b_2 : -0.0$
 symbol $a_{21} : (-inf, 0.0]$
 $-c_1 a_{22} + c_2 a_{21} > 0$
 $a_{11} a_{22} - a_{12} a_{21} > 0$

$$-8.00 \cdot a_{12}a_{11}^7a_{22}^7a_{21} + 28.00 \cdot a_{12}^2a_{11}^6a_{22}^6a_{21}^2 - 56.00 \cdot a_{12}^3a_{11}^5a_{22}^5a_{21}^3 + 70.00 \cdot a_{12}^4a_{11}^4a_{22}^4a_{21}^4 - 56.00 \cdot a_{12}^5a_{11}^3a_{22}^3a_{21}^5 + a_{11}^8a_{22}^8 + 28.00 \cdot a_{12}^6a_{11}^2a_{22}^2a_{21}^6 - 8.00 \cdot a_{12}^7a_{11}a_{22}a_{21}^7 + a_{12}^8a_{21}^8 > 0$$

pot #49:

symbol a_{12} : $(-inf, 0.0)$

symbol c_1 : $[-0.0, inf)$

symbol c_2 : $(-inf, 0.0)$

symbol a_{11} : $(-0.0, inf)$

symbol a_{22} : $(-0.0, inf)$

symbol b_1 : -0.0

symbol b_2 : $[-0.0, inf)$

symbol a_{21} : $(-inf, 0.0]$

$$-c_1a_{22} + c_2a_{21} > 0$$

$$a_{11}a_{22} - a_{12}a_{21} > 0$$

$$c_2a_{11} - c_1a_{12} > 0$$

$$3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} - 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 + a_{12}^3a_{21}^3 - a_{11}^3a_{22}^3 \geq 0$$

$$-a_{11}^2a_{22}^2 + 2.00 \cdot a_{12}a_{11}a_{22}a_{21} - a_{12}^2a_{21}^2 > 0$$

$$c_2a_{11}^2a_{22} - c_1a_{12}a_{11}a_{22} - a_{12}c_2a_{11}a_{21} + c_1a_{12}^2a_{21} \geq 0$$

$$-3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} + 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 - a_{12}^3a_{21}^3 + a_{11}^3a_{22}^3 > 0$$

$$3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} - 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 + a_{12}^3a_{21}^3 - a_{11}^3a_{22}^3 > 0$$

$$-8.00 \cdot a_{12}a_{11}^7a_{22}^7a_{21} + 28.00 \cdot a_{12}^2a_{11}^6a_{22}^6a_{21}^2 - 56.00 \cdot a_{12}^3a_{11}^5a_{22}^5a_{21}^3 + 70.00 \cdot a_{12}^4a_{11}^4a_{22}^4a_{21}^4 - 56.00 \cdot$$

$$a_{12}^5a_{11}^3a_{22}^3a_{21}^5 + a_{11}^8a_{22}^8 + 28.00 \cdot a_{12}^6a_{11}^2a_{22}^2a_{21}^6 - 8.00 \cdot a_{12}^7a_{11}a_{22}a_{21}^7 + a_{12}^8a_{21}^8 \geq 0$$

$$8.00 \cdot a_{12}a_{11}^7a_{22}^7a_{21} - 28.00 \cdot a_{12}^2a_{11}^6a_{22}^6a_{21}^2 + 56.00 \cdot a_{12}^3a_{11}^5a_{22}^5a_{21}^3 - 70.00 \cdot a_{12}^4a_{11}^4a_{22}^4a_{21}^4 + 56.00 \cdot$$

$$a_{12}^5a_{11}^3a_{22}^3a_{21}^5 - a_{11}^8a_{22}^8 - 28.00 \cdot a_{12}^6a_{11}^2a_{22}^2a_{21}^6 + 8.00 \cdot a_{12}^7a_{11}a_{22}a_{21}^7 - a_{12}^8a_{21}^8 > 0$$

pot #50:

symbol a_{12} : $(-inf, 0.0)$

symbol c_1 : $[-0.0, inf)$

symbol c_2 : $(-inf, 0.0)$

symbol a_{11} : $(-0.0, inf)$

symbol a_{22} : $(-0.0, inf)$

symbol b_1 : -0.0

symbol b_2 : -0.0

symbol a_{21} : $(-inf, 0.0]$

$$-c_1a_{22} + c_2a_{21} > 0$$

$$a_{11}a_{22} - a_{12}a_{21} > 0$$

$$c_2a_{11} - c_1a_{12} > 0$$

$$3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} - 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 + a_{12}^3a_{21}^3 - a_{11}^3a_{22}^3 \geq 0$$

$$-a_{11}^2a_{22}^2 + 2.00 \cdot a_{12}a_{11}a_{22}a_{21} - a_{12}^2a_{21}^2 > 0$$

$$c_2a_{11}^2a_{22} - c_1a_{12}a_{11}a_{22} - a_{12}c_2a_{11}a_{21} + c_1a_{12}^2a_{21} \geq 0$$

$$-3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} + 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 - a_{12}^3a_{21}^3 + a_{11}^3a_{22}^3 > 0$$

$$3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} - 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 + a_{12}^3a_{21}^3 - a_{11}^3a_{22}^3 > 0$$

$$8.00 \cdot a_{12}a_{11}^7a_{22}^7a_{21} - 28.00 \cdot a_{12}^2a_{11}^6a_{22}^6a_{21}^2 + 56.00 \cdot a_{12}^3a_{11}^5a_{22}^5a_{21}^3 - 70.00 \cdot a_{12}^4a_{11}^4a_{22}^4a_{21}^4 + 56.00 \cdot$$

$$a_{12}^5a_{11}^3a_{22}^3a_{21}^5 - a_{11}^8a_{22}^8 - 28.00 \cdot a_{12}^6a_{11}^2a_{22}^2a_{21}^6 + 8.00 \cdot a_{12}^7a_{11}a_{22}a_{21}^7 - a_{12}^8a_{21}^8 \geq 0$$

$$8.00 \cdot a_{12}a_{11}^7a_{22}^7a_{21} - 28.00 \cdot a_{12}^2a_{11}^6a_{22}^6a_{21}^2 + 56.00 \cdot a_{12}^3a_{11}^5a_{22}^5a_{21}^3 - 70.00 \cdot a_{12}^4a_{11}^4a_{22}^4a_{21}^4 + 56.00 \cdot$$

$$a_{12}^5a_{11}^3a_{22}^3a_{21}^5 - a_{11}^8a_{22}^8 - 28.00 \cdot a_{12}^6a_{11}^2a_{22}^2a_{21}^6 + 8.00 \cdot a_{12}^7a_{11}a_{22}a_{21}^7 - a_{12}^8a_{21}^8 > 0$$

pot #51:

symbol a_{12} : $(-inf, 0.0)$

symbol c_1 : $[-0.0, inf)$

symbol c_2 : $(-inf, 0.0)$

symbol a_{11} : $(-0.0, inf)$

symbol a_{22} : $(-0.0, inf)$

symbol b_1 : -0.0

symbol b_2 : -0.0

symbol a_{21} : $(-inf, 0.0]$

$-c_1 a_{22} + c_2 a_{21} > 0$

$a_{11} a_{22} - a_{12} a_{21} > 0$

$c_2 a_{11} - c_1 a_{12} > 0$

$3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + a_{12}^3 a_{21}^3 - a_{11}^3 a_{22}^3 \geq 0$

$-a_{11}^2 a_{22}^2 + 2.00 \cdot a_{12} a_{11} a_{22} a_{21} - a_{12}^2 a_{21}^2 > 0$

$c_2 a_{11}^2 a_{22} - c_1 a_{12} a_{11} a_{22} - a_{12} c_2 a_{11} a_{21} + c_1 a_{12}^2 a_{21} \geq 0$

$-3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 + a_{11}^3 a_{22}^3 > 0$

$3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + a_{12}^3 a_{21}^3 - a_{11}^3 a_{22}^3 > 0$

$-8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 - 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + a_{11}^8 a_{22}^8 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + a_{12}^8 a_{21}^8 \geq 0$

$-8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 - 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + a_{11}^8 a_{22}^8 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + a_{12}^8 a_{21}^8 > 0$

pot #52:

symbol a_{12} : $(-inf, 0.0)$

symbol c_1 : $[-0.0, inf)$

symbol c_2 : $(-inf, 0.0)$

symbol a_{11} : $(-0.0, inf)$

symbol a_{22} : $(-0.0, inf)$

symbol b_1 : -0.0

symbol b_2 : $[-0.0, inf)$

symbol a_{21} : $(-inf, 0.0]$

$-c_1 a_{22} + c_2 a_{21} > 0$

$a_{11} a_{22} - a_{12} a_{21} > 0$

$c_2 a_{11} - c_1 a_{12} > 0$

$3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + a_{12}^3 a_{21}^3 - a_{11}^3 a_{22}^3 \geq 0$

$-a_{11}^2 a_{22}^2 + 2.00 \cdot a_{12} a_{11} a_{22} a_{21} - a_{12}^2 a_{21}^2 > 0$

$c_2 a_{11}^2 a_{22} - c_1 a_{12} a_{11} a_{22} - a_{12} c_2 a_{11} a_{21} + c_1 a_{12}^2 a_{21} \geq 0$

$-3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 + a_{11}^3 a_{22}^3 > 0$

$-a_{11}^3 a_{22}^3 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + a_{12}^3 a_{21}^3 > 0$

$8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 + 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - a_{11}^8 a_{22}^8 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - a_{12}^8 a_{21}^8 \geq 0$

$-8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 - 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + a_{11}^8 a_{22}^8 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + a_{12}^8 a_{21}^8 > 0$

pot #53:

symbol a_{12} : $(-inf, 0.0)$

symbol c_1 : $[-0.0, inf)$

symbol c_2 : $(-inf, 0.0)$

symbol a_{11} : $(-0.0, inf)$

symbol a_{22} : $(-0.0, inf)$

symbol b_1 : -0.0

symbol b_2 : $[-0.0, inf)$

symbol a_{21} : $(-inf, 0.0]$

$-c_1 a_{22} + c_2 a_{21} > 0$

$a_{11} a_{22} - a_{12} a_{21} > 0$

$c_2 a_{11} - c_1 a_{12} > 0$

$3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + a_{12}^3 a_{21}^3 - a_{11}^3 a_{22}^3 \geq 0$

$-a_{11}^2 a_{22}^2 + 2.00 \cdot a_{12} a_{11} a_{22} a_{21} - a_{12}^2 a_{21}^2 > 0$

$$\begin{aligned}
& c_2 a_{11}^2 a_{22} - c_1 a_{12} a_{11} a_{22} - a_{12} c_2 a_{11} a_{21} + c_1 a_{12}^2 a_{21} \geq 0 \\
& -3.00 \cdot a_{12} a_{11}^2 a_{22} a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 + a_{11}^3 a_{22}^3 > 0 \\
& -a_{11}^3 a_{22}^3 + 3.00 \cdot a_{12} a_{11}^2 a_{22} a_{21} - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + a_{12}^3 a_{21}^3 > 0 \\
& -8.00 \cdot a_{12} a_{11}^7 a_{22} a_{21} + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22} a_{21}^2 - 56.00 \cdot a_{12}^3 a_{11}^5 a_{22} a_{21}^3 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22} a_{21}^4 - 56.00 \cdot \\
& a_{12}^5 a_{11}^3 a_{22} a_{21}^5 + a_{11}^8 a_{22}^8 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22} a_{21}^6 - 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + a_{12}^8 a_{21}^8 \geq 0 \\
& 8.00 \cdot a_{12} a_{11}^7 a_{22} a_{21} - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22} a_{21}^2 + 56.00 \cdot a_{12}^3 a_{11}^5 a_{22} a_{21}^3 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22} a_{21}^4 + 56.00 \cdot \\
& a_{12}^5 a_{11}^3 a_{22} a_{21}^5 - a_{11}^8 a_{22}^8 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22} a_{21}^6 + 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - a_{12}^8 a_{21}^8 > 0
\end{aligned}$$

pot #54:

symbol a_{12} : $(-inf, 0.0)$

symbol c_1 : $[-0.0, inf)$

symbol c_2 : $(-inf, 0.0)$

symbol a_{11} : $(-0.0, inf)$

symbol a_{22} : $(-0.0, inf)$

symbol b_1 : -0.0

symbol b_2 : -0.0

symbol a_{21} : $(-inf, 0.0]$

$$-c_1 a_{22} + c_2 a_{21} > 0$$

$$a_{11} a_{22} - a_{12} a_{21} > 0$$

$$c_2 a_{11} - c_1 a_{12} > 0$$

$$3.00 \cdot a_{12} a_{11}^2 a_{22} a_{21} - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + a_{12}^3 a_{21}^3 - a_{11}^3 a_{22}^3 \geq 0$$

$$-a_{11}^2 a_{22}^2 + 2.00 \cdot a_{12} a_{11} a_{22} a_{21} - a_{12}^2 a_{21}^2 > 0$$

$$c_2 a_{11}^2 a_{22} - c_1 a_{12} a_{11} a_{22} - a_{12} c_2 a_{11} a_{21} + c_1 a_{12}^2 a_{21} \geq 0$$

$$-3.00 \cdot a_{12} a_{11}^2 a_{22} a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 + a_{11}^3 a_{22}^3 > 0$$

$$-a_{11}^3 a_{22}^3 + 3.00 \cdot a_{12} a_{11}^2 a_{22} a_{21} - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + a_{12}^3 a_{21}^3 > 0$$

$$8.00 \cdot a_{12} a_{11}^7 a_{22} a_{21} - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22} a_{21}^2 + 56.00 \cdot a_{12}^3 a_{11}^5 a_{22} a_{21}^3 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22} a_{21}^4 + 56.00 \cdot$$

$$a_{12}^5 a_{11}^3 a_{22} a_{21}^5 - a_{11}^8 a_{22}^8 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22} a_{21}^6 + 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - a_{12}^8 a_{21}^8 \geq 0$$

$$8.00 \cdot a_{12} a_{11}^7 a_{22} a_{21} - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22} a_{21}^2 + 56.00 \cdot a_{12}^3 a_{11}^5 a_{22} a_{21}^3 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22} a_{21}^4 + 56.00 \cdot$$

$$a_{12}^5 a_{11}^3 a_{22} a_{21}^5 - a_{11}^8 a_{22}^8 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22} a_{21}^6 + 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - a_{12}^8 a_{21}^8 > 0$$

pot #55:

symbol a_{12} : $(-inf, 0.0)$

symbol c_1 : $[-0.0, inf)$

symbol c_2 : $(-inf, 0.0)$

symbol a_{11} : $(-0.0, inf)$

symbol a_{22} : $(-0.0, inf)$

symbol b_1 : -0.0

symbol b_2 : -0.0

symbol a_{21} : $(-inf, 0.0]$

$$-c_1 a_{22} + c_2 a_{21} > 0$$

$$a_{11} a_{22} - a_{12} a_{21} > 0$$

$$c_2 a_{11} - c_1 a_{12} > 0$$

$$3.00 \cdot a_{12} a_{11}^2 a_{22} a_{21} - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + a_{12}^3 a_{21}^3 - a_{11}^3 a_{22}^3 \geq 0$$

$$-a_{11}^2 a_{22}^2 + 2.00 \cdot a_{12} a_{11} a_{22} a_{21} - a_{12}^2 a_{21}^2 > 0$$

$$c_2 a_{11}^2 a_{22} - c_1 a_{12} a_{11} a_{22} - a_{12} c_2 a_{11} a_{21} + c_1 a_{12}^2 a_{21} \geq 0$$

$$-3.00 \cdot a_{12} a_{11}^2 a_{22} a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 + a_{11}^3 a_{22}^3 > 0$$

$$-a_{11}^3 a_{22}^3 + 3.00 \cdot a_{12} a_{11}^2 a_{22} a_{21} - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + a_{12}^3 a_{21}^3 > 0$$

$$-8.00 \cdot a_{12} a_{11}^7 a_{22} a_{21} + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22} a_{21}^2 - 56.00 \cdot a_{12}^3 a_{11}^5 a_{22} a_{21}^3 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22} a_{21}^4 - 56.00 \cdot$$

$$a_{12}^5 a_{11}^3 a_{22} a_{21}^5 + a_{11}^8 a_{22}^8 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22} a_{21}^6 - 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + a_{12}^8 a_{21}^8 \geq 0$$

$$-8.00 \cdot a_{12} a_{11}^7 a_{22} a_{21} + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22} a_{21}^2 - 56.00 \cdot a_{12}^3 a_{11}^5 a_{22} a_{21}^3 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22} a_{21}^4 - 56.00 \cdot$$

$$a_{12}^5 a_{11}^3 a_{22} a_{21}^5 + a_{11}^8 a_{22}^8 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22} a_{21}^6 - 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + a_{12}^8 a_{21}^8 > 0$$

pot #56:

symbol $a_{12} : (-inf, 0.0)$
symbol $c_1 : [-0.0, inf)$
symbol $c_2 : (-inf, 0.0)$
symbol $a_{11} : (-0.0, inf)$
symbol $a_{22} : (-0.0, inf)$
symbol $b_1 : -0.0$
symbol $b_2 : [-0.0, inf)$
symbol $a_{21} : (-inf, 0.0]$
 $-c_1 a_{22} + c_2 a_{21} > 0$
 $a_{11} a_{22} - a_{12} a_{21} > 0$
 $c_2 a_{11} - c_1 a_{12} > 0$
 $3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + a_{12}^3 a_{21}^3 - a_{11}^3 a_{22}^3 \geq 0$
 $-a_{11}^2 a_{22}^2 + 2.00 \cdot a_{12} a_{11} a_{22} a_{21} - a_{12}^2 a_{21}^2 > 0$
 $c_2 a_{11}^2 a_{22} - c_1 a_{12} a_{11} a_{22} - a_{12} c_2 a_{11} a_{21} + c_1 a_{12}^2 a_{21} \geq 0$
 $3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + a_{12}^3 a_{21}^3 - a_{11}^3 a_{22}^3 > 0$
 $-3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 + a_{11}^3 a_{22}^3 \geq 0$
 $a_{11}^3 a_{22}^3 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 > 0$
pot #57:
symbol $a_{12} : (-inf, 0.0)$
symbol $c_1 : [-0.0, inf)$
symbol $c_2 : (-inf, 0.0)$
symbol $a_{11} : (-0.0, inf)$
symbol $a_{22} : (-0.0, inf)$
symbol $b_1 : -0.0$
symbol $b_2 : [-0.0, inf)$
symbol $a_{21} : (-inf, 0.0]$
 $-c_1 a_{22} + c_2 a_{21} > 0$
 $a_{11} a_{22} - a_{12} a_{21} > 0$
 $c_2 a_{11} - c_1 a_{12} > 0$
 $3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + a_{12}^3 a_{21}^3 - a_{11}^3 a_{22}^3 \geq 0$
 $-a_{11}^2 a_{22}^2 + 2.00 \cdot a_{12} a_{11} a_{22} a_{21} - a_{12}^2 a_{21}^2 > 0$
 $c_2 a_{11}^2 a_{22} - c_1 a_{12} a_{11} a_{22} - a_{12} c_2 a_{11} a_{21} + c_1 a_{12}^2 a_{21} \geq 0$
 $3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + a_{12}^3 a_{21}^3 - a_{11}^3 a_{22}^3 > 0$
pot #58:
symbol $a_{12} : (-inf, 0.0)$
symbol $c_1 : [-0.0, inf)$
symbol $c_2 : (-inf, 0.0)$
symbol $a_{11} : (-0.0, inf)$
symbol $a_{22} : (-0.0, inf)$
symbol $b_1 : -0.0$
symbol $b_2 : [-0.0, inf)$
symbol $a_{21} : (-inf, 0.0]$
 $-c_1 a_{22} + c_2 a_{21} > 0$
 $a_{11} a_{22} - a_{12} a_{21} > 0$
 $c_2 a_{11} - c_1 a_{12} > 0$
 $3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + a_{12}^3 a_{21}^3 - a_{11}^3 a_{22}^3 \geq 0$
 $-a_{11}^2 a_{22}^2 + 2.00 \cdot a_{12} a_{11} a_{22} a_{21} - a_{12}^2 a_{21}^2 > 0$
 $c_2 a_{11}^2 a_{22} - c_1 a_{12} a_{11} a_{22} - a_{12} c_2 a_{11} a_{21} + c_1 a_{12}^2 a_{21} \geq 0$
 $-3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 + a_{11}^3 a_{22}^3 > 0$
 $-3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 + a_{11}^3 a_{22}^3 \geq 0$

pot #59:

symbol a_{12} : $(-inf, 0.0)$

symbol c_1 : $[-0.0, inf)$

symbol c_2 : $(-inf, 0.0)$

symbol a_{11} : $(-0.0, inf)$

symbol a_{22} : $(-0.0, inf)$

symbol b_1 : -0.0

symbol b_2 : $[-0.0, inf)$

symbol a_{21} : $(-inf, 0.0]$

$$-c_1 a_{22} + c_2 a_{21} > 0$$

$$a_{11} a_{22} - a_{12} a_{21} > 0$$

$$c_2 a_{11} - c_1 a_{12} > 0$$

$$3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + a_{12}^3 a_{21}^3 - a_{11}^3 a_{22}^3 \geq 0$$

$$-a_{11}^2 a_{22}^2 + 2.00 \cdot a_{12} a_{11} a_{22} a_{21} - a_{12}^2 a_{21}^2 > 0$$

$$c_2 a_{11}^2 a_{22} - c_1 a_{12} a_{11} a_{22} - a_{12} c_2 a_{11} a_{21} + c_1 a_{12}^2 a_{21} \geq 0$$

$$-3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 + a_{11}^3 a_{22}^3 > 0$$

$$-a_{11}^3 a_{22}^3 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + a_{12}^3 a_{21}^3 > 0$$

pot #60:

symbol a_{12} : $(-inf, 0.0)$

symbol c_1 : $[-0.0, inf)$

symbol c_2 : $(-inf, 0.0)$

symbol a_{11} : $(-0.0, inf)$

symbol a_{22} : $(-0.0, inf)$

symbol b_1 : -0.0

symbol b_2 : $[-0.0, inf)$

symbol a_{21} : $(-inf, 0.0]$

$$-c_1 a_{22} + c_2 a_{21} > 0$$

$$a_{11} a_{22} - a_{12} a_{21} > 0$$

$$c_2 a_{11} - c_1 a_{12} > 0$$

$$-3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 + a_{11}^3 a_{22}^3 \geq 0$$

$$a_{11}^2 a_{22}^2 - 2.00 \cdot a_{12} a_{11} a_{22} a_{21} + a_{12}^2 a_{21}^2 > 0$$

$$c_2 a_{11}^2 a_{22} - c_1 a_{12} a_{11} a_{22} - a_{12} c_2 a_{11} a_{21} + c_1 a_{12}^2 a_{21} \geq 0$$

$$3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + a_{12}^3 a_{21}^3 - a_{11}^3 a_{22}^3 > 0$$

$$a_{11}^3 a_{22}^3 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 > 0$$

$$8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - 28.00 \cdot a_{12}^6 a_{11}^6 a_{22}^6 a_{21}^2 + 56.00 \cdot a_{12}^5 a_{11}^5 a_{22}^5 a_{21}^3 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 + 56.00 \cdot$$

$$a_{12}^3 a_{11}^3 a_{22}^3 a_{21}^5 - a_{11}^8 a_{22}^8 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - a_{12}^8 a_{21}^8 \geq 0$$

$$-8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + 28.00 \cdot a_{12}^6 a_{11}^6 a_{22}^6 a_{21}^2 - 56.00 \cdot a_{12}^5 a_{11}^5 a_{22}^5 a_{21}^3 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 - 56.00 \cdot$$

$$a_{12}^3 a_{11}^3 a_{22}^3 a_{21}^5 + a_{11}^8 a_{22}^8 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + a_{12}^8 a_{21}^8 > 0$$

pot #61:

symbol a_{12} : $(-inf, 0.0)$

symbol c_1 : $[-0.0, inf)$

symbol c_2 : $(-inf, 0.0)$

symbol a_{11} : $(-0.0, inf)$

symbol a_{22} : $(-0.0, inf)$

symbol b_1 : -0.0

symbol b_2 : $[-0.0, inf)$

symbol a_{21} : $(-inf, 0.0]$

$$-c_1 a_{22} + c_2 a_{21} > 0$$

$$a_{11} a_{22} - a_{12} a_{21} > 0$$

$$c_2 a_{11} - c_1 a_{12} > 0$$

$$\begin{aligned}
& -3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} + 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 - a_{12}^3a_{21}^3 + a_{11}^3a_{22}^3 \geq 0 \\
& a_{11}^2a_{22}^2 - 2.00 \cdot a_{12}a_{11}a_{22}a_{21} + a_{12}^2a_{21}^2 > 0 \\
& c_2a_{11}^2a_{22} - c_1a_{12}a_{11}a_{22} - a_{12}c_2a_{11}a_{21} + c_1a_{12}^2a_{21} \geq 0 \\
& 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} - 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 + a_{12}^3a_{21}^3 - a_{11}^3a_{22}^3 > 0 \\
& a_{11}^3a_{22}^3 - 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} + 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 - a_{12}^3a_{21}^3 > 0 \\
& -8.00 \cdot a_{12}a_{11}^7a_{22}^7a_{21} + 28.00 \cdot a_{12}^2a_{11}^6a_{22}^6a_{21}^2 - 56.00 \cdot a_{12}^3a_{11}^5a_{22}^5a_{21}^3 + 70.00 \cdot a_{12}^4a_{11}^4a_{22}^4a_{21}^4 - 56.00 \cdot \\
& a_{12}^5a_{11}^3a_{22}^3a_{21}^5 + a_{11}^8a_{22}^8 + 28.00 \cdot a_{12}^6a_{11}^2a_{22}^2a_{21}^6 - 8.00 \cdot a_{12}^7a_{11}a_{22}a_{21}^7 + a_{12}^8a_{21}^8 \geq 0 \\
& 8.00 \cdot a_{12}a_{11}^7a_{22}^7a_{21} - 28.00 \cdot a_{12}^2a_{11}^6a_{22}^6a_{21}^2 + 56.00 \cdot a_{12}^3a_{11}^5a_{22}^5a_{21}^3 - 70.00 \cdot a_{12}^4a_{11}^4a_{22}^4a_{21}^4 + 56.00 \cdot \\
& a_{12}^5a_{11}^3a_{22}^3a_{21}^5 - a_{11}^8a_{22}^8 - 28.00 \cdot a_{12}^6a_{11}^2a_{22}^2a_{21}^6 + 8.00 \cdot a_{12}^7a_{11}a_{22}a_{21}^7 - a_{12}^8a_{21}^8 > 0
\end{aligned}$$

pot #62:

symbol a_{12} : $(-inf, 0.0)$

symbol c_1 : $[-0.0, inf)$

symbol c_2 : $(-inf, 0.0)$

symbol a_{11} : $(-0.0, inf)$

symbol a_{22} : $(-0.0, inf)$

symbol b_1 : -0.0

symbol b_2 : -0.0

symbol a_{21} : $(-inf, 0.0]$

$$-c_1a_{22} + c_2a_{21} > 0$$

$$a_{11}a_{22} - a_{12}a_{21} > 0$$

$$c_2a_{11} - c_1a_{12} > 0$$

$$-3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} + 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 - a_{12}^3a_{21}^3 + a_{11}^3a_{22}^3 \geq 0$$

$$a_{11}^2a_{22}^2 - 2.00 \cdot a_{12}a_{11}a_{22}a_{21} + a_{12}^2a_{21}^2 > 0$$

$$c_2a_{11}^2a_{22} - c_1a_{12}a_{11}a_{22} - a_{12}c_2a_{11}a_{21} + c_1a_{12}^2a_{21} \geq 0$$

$$3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} - 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 + a_{12}^3a_{21}^3 - a_{11}^3a_{22}^3 > 0$$

$$a_{11}^3a_{22}^3 - 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} + 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 - a_{12}^3a_{21}^3 > 0$$

$$8.00 \cdot a_{12}a_{11}^7a_{22}^7a_{21} - 28.00 \cdot a_{12}^2a_{11}^6a_{22}^6a_{21}^2 + 56.00 \cdot a_{12}^3a_{11}^5a_{22}^5a_{21}^3 - 70.00 \cdot a_{12}^4a_{11}^4a_{22}^4a_{21}^4 + 56.00 \cdot$$

$$a_{12}^5a_{11}^3a_{22}^3a_{21}^5 - a_{11}^8a_{22}^8 - 28.00 \cdot a_{12}^6a_{11}^2a_{22}^2a_{21}^6 + 8.00 \cdot a_{12}^7a_{11}a_{22}a_{21}^7 - a_{12}^8a_{21}^8 \geq 0$$

$$8.00 \cdot a_{12}a_{11}^7a_{22}^7a_{21} - 28.00 \cdot a_{12}^2a_{11}^6a_{22}^6a_{21}^2 + 56.00 \cdot a_{12}^3a_{11}^5a_{22}^5a_{21}^3 - 70.00 \cdot a_{12}^4a_{11}^4a_{22}^4a_{21}^4 + 56.00 \cdot$$

$$a_{12}^5a_{11}^3a_{22}^3a_{21}^5 - a_{11}^8a_{22}^8 - 28.00 \cdot a_{12}^6a_{11}^2a_{22}^2a_{21}^6 + 8.00 \cdot a_{12}^7a_{11}a_{22}a_{21}^7 - a_{12}^8a_{21}^8 > 0$$

pot #63:

symbol a_{12} : $(-inf, 0.0)$

symbol c_1 : $[-0.0, inf)$

symbol c_2 : $(-inf, 0.0)$

symbol a_{11} : $(-0.0, inf)$

symbol a_{22} : $(-0.0, inf)$

symbol b_1 : -0.0

symbol b_2 : -0.0

symbol a_{21} : $(-inf, 0.0]$

$$-c_1a_{22} + c_2a_{21} > 0$$

$$a_{11}a_{22} - a_{12}a_{21} > 0$$

$$c_2a_{11} - c_1a_{12} > 0$$

$$-3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} + 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 - a_{12}^3a_{21}^3 + a_{11}^3a_{22}^3 \geq 0$$

$$a_{11}^2a_{22}^2 - 2.00 \cdot a_{12}a_{11}a_{22}a_{21} + a_{12}^2a_{21}^2 > 0$$

$$c_2a_{11}^2a_{22} - c_1a_{12}a_{11}a_{22} - a_{12}c_2a_{11}a_{21} + c_1a_{12}^2a_{21} \geq 0$$

$$3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} - 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 + a_{12}^3a_{21}^3 - a_{11}^3a_{22}^3 > 0$$

$$a_{11}^3a_{22}^3 - 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} + 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 - a_{12}^3a_{21}^3 > 0$$

$$-8.00 \cdot a_{12}a_{11}^7a_{22}^7a_{21} + 28.00 \cdot a_{12}^2a_{11}^6a_{22}^6a_{21}^2 - 56.00 \cdot a_{12}^3a_{11}^5a_{22}^5a_{21}^3 + 70.00 \cdot a_{12}^4a_{11}^4a_{22}^4a_{21}^4 - 56.00 \cdot$$

$$a_{12}^5a_{11}^3a_{22}^3a_{21}^5 + a_{11}^8a_{22}^8 + 28.00 \cdot a_{12}^6a_{11}^2a_{22}^2a_{21}^6 - 8.00 \cdot a_{12}^7a_{11}a_{22}a_{21}^7 + a_{12}^8a_{21}^8 \geq 0$$

$$-8.00 \cdot a_{12}a_{11}^7a_{22}^7a_{21} + 28.00 \cdot a_{12}^2a_{11}^6a_{22}^6a_{21}^2 - 56.00 \cdot a_{12}^3a_{11}^5a_{22}^5a_{21}^3 + 70.00 \cdot a_{12}^4a_{11}^4a_{22}^4a_{21}^4 - 56.00 \cdot$$

$$a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + a_{11}^8 a_{22}^8 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + a_{12}^8 a_{21}^8 > 0$$

pot #64:

symbol a_{12} : $(-inf, 0.0)$

symbol c_1 : $[-0.0, inf)$

symbol c_2 : $(-inf, 0.0)$

symbol a_{11} : $(-0.0, inf)$

symbol a_{22} : $(-0.0, inf)$

symbol b_1 : -0.0

symbol b_2 : $[-0.0, inf)$

symbol a_{21} : $(-inf, 0.0]$

$$-c_1 a_{22} + c_2 a_{21} > 0$$

$$a_{11} a_{22} - a_{12} a_{21} > 0$$

$$c_2 a_{11} - c_1 a_{12} > 0$$

$$-3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 + a_{11}^3 a_{22}^3 \geq 0$$

$$a_{11}^2 a_{22}^2 - 2.00 \cdot a_{12} a_{11} a_{22} a_{21} + a_{12}^2 a_{21}^2 > 0$$

$$c_2 a_{11}^2 a_{22} - c_1 a_{12} a_{11} a_{22} - a_{12} c_2 a_{11} a_{21} + c_1 a_{12}^2 a_{21} \geq 0$$

$$3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + a_{12}^3 a_{21}^3 - a_{11}^3 a_{22}^3 > 0$$

$$-3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 + a_{11}^3 a_{22}^3 > 0$$

$$8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 + 56.00 \cdot$$

$$a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - a_{11}^8 a_{22}^8 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - a_{12}^8 a_{21}^8 \geq 0$$

$$-8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 - 56.00 \cdot$$

$$a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + a_{11}^8 a_{22}^8 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + a_{12}^8 a_{21}^8 > 0$$

pot #65:

symbol a_{12} : $(-inf, 0.0)$

symbol c_1 : $[-0.0, inf)$

symbol c_2 : $(-inf, 0.0)$

symbol a_{11} : $(-0.0, inf)$

symbol a_{22} : $(-0.0, inf)$

symbol b_1 : -0.0

symbol b_2 : $[-0.0, inf)$

symbol a_{21} : $(-inf, 0.0]$

$$-c_1 a_{22} + c_2 a_{21} > 0$$

$$a_{11} a_{22} - a_{12} a_{21} > 0$$

$$c_2 a_{11} - c_1 a_{12} > 0$$

$$-3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 + a_{11}^3 a_{22}^3 \geq 0$$

$$a_{11}^2 a_{22}^2 - 2.00 \cdot a_{12} a_{11} a_{22} a_{21} + a_{12}^2 a_{21}^2 > 0$$

$$c_2 a_{11}^2 a_{22} - c_1 a_{12} a_{11} a_{22} - a_{12} c_2 a_{11} a_{21} + c_1 a_{12}^2 a_{21} \geq 0$$

$$3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + a_{12}^3 a_{21}^3 - a_{11}^3 a_{22}^3 > 0$$

$$-3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 + a_{11}^3 a_{22}^3 > 0$$

$$-8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 - 56.00 \cdot$$

$$a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + a_{11}^8 a_{22}^8 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + a_{12}^8 a_{21}^8 \geq 0$$

$$8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 + 56.00 \cdot$$

$$a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - a_{11}^8 a_{22}^8 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - a_{12}^8 a_{21}^8 > 0$$

pot #66:

symbol a_{12} : $(-inf, 0.0)$

symbol c_1 : $[-0.0, inf)$

symbol c_2 : $(-inf, 0.0)$

symbol a_{11} : $(-0.0, inf)$

symbol a_{22} : $(-0.0, inf)$

symbol b_1 : -0.0

symbol $b_2 : -0.0$

symbol $a_{21} : (-inf, 0.0]$

$-c_1 a_{22} + c_2 a_{21} > 0$

$a_{11} a_{22} - a_{12} a_{21} > 0$

$c_2 a_{11} - c_1 a_{12} > 0$

$-3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 + a_{11}^3 a_{22}^3 \geq 0$

$a_{11}^2 a_{22}^2 - 2.00 \cdot a_{12} a_{11} a_{22} a_{21} + a_{12}^2 a_{21}^2 > 0$

$c_2 a_{11}^2 a_{22} - c_1 a_{12} a_{11} a_{22} - a_{12} c_2 a_{11} a_{21} + c_1 a_{12}^2 a_{21} \geq 0$

$3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + a_{12}^3 a_{21}^3 - a_{11}^3 a_{22}^3 > 0$

$-3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 + a_{11}^3 a_{22}^3 > 0$

$8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 + 56.00 \cdot$

$a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - a_{11}^8 a_{22}^8 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - a_{12}^8 a_{21}^8 \geq 0$

$8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 + 56.00 \cdot$

$a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - a_{11}^8 a_{22}^8 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - a_{12}^8 a_{21}^8 > 0$

pot #67:

symbol $a_{12} : (-inf, 0.0)$

symbol $c_1 : [-0.0, inf)$

symbol $c_2 : (-inf, 0.0)$

symbol $a_{11} : (-0.0, inf)$

symbol $a_{22} : (-0.0, inf)$

symbol $b_1 : -0.0$

symbol $b_2 : -0.0$

symbol $a_{21} : (-inf, 0.0]$

$-c_1 a_{22} + c_2 a_{21} > 0$

$a_{11} a_{22} - a_{12} a_{21} > 0$

$c_2 a_{11} - c_1 a_{12} > 0$

$-3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 + a_{11}^3 a_{22}^3 \geq 0$

$a_{11}^2 a_{22}^2 - 2.00 \cdot a_{12} a_{11} a_{22} a_{21} + a_{12}^2 a_{21}^2 > 0$

$c_2 a_{11}^2 a_{22} - c_1 a_{12} a_{11} a_{22} - a_{12} c_2 a_{11} a_{21} + c_1 a_{12}^2 a_{21} \geq 0$

$3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + a_{12}^3 a_{21}^3 - a_{11}^3 a_{22}^3 > 0$

$-3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 + a_{11}^3 a_{22}^3 > 0$

$-8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 - 56.00 \cdot$

$a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + a_{11}^8 a_{22}^8 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + a_{12}^8 a_{21}^8 \geq 0$

$-8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 - 56.00 \cdot$

$a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + a_{11}^8 a_{22}^8 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + a_{12}^8 a_{21}^8 > 0$

pot #68:

symbol $a_{12} : (-inf, 0.0)$

symbol $c_1 : [-0.0, inf)$

symbol $c_2 : (-inf, 0.0)$

symbol $a_{11} : (-0.0, inf)$

symbol $a_{22} : (-0.0, inf)$

symbol $b_1 : -0.0$

symbol $b_2 : [-0.0, inf)$

symbol $a_{21} : (-inf, 0.0]$

$-c_1 a_{22} + c_2 a_{21} > 0$

$a_{11} a_{22} - a_{12} a_{21} > 0$

$c_2 a_{11} - c_1 a_{12} > 0$

$-3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 + a_{11}^3 a_{22}^3 \geq 0$

$a_{11}^2 a_{22}^2 - 2.00 \cdot a_{12} a_{11} a_{22} a_{21} + a_{12}^2 a_{21}^2 > 0$

$c_2 a_{11}^2 a_{22} - c_1 a_{12} a_{11} a_{22} - a_{12} c_2 a_{11} a_{21} + c_1 a_{12}^2 a_{21} \geq 0$

$$\begin{aligned}
& -3.00 \cdot a_{12}a_{11}^2a_{22}a_{21} + 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 - a_{12}^3a_{21}^3 + a_{11}^3a_{22}^3 > 0 \\
& 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} - 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 + a_{12}^3a_{21}^3 - a_{11}^3a_{22}^3 > 0 \\
& 8.00 \cdot a_{12}a_{11}^7a_{22}^2a_{21} - 28.00 \cdot a_{12}^2a_{11}^6a_{22}^2a_{21}^2 + 56.00 \cdot a_{12}^3a_{11}^5a_{22}^2a_{21}^3 - 70.00 \cdot a_{12}^4a_{11}^4a_{22}^2a_{21}^4 + 56.00 \cdot \\
& a_{12}^5a_{11}^3a_{22}^2a_{21}^5 - a_{11}^8a_{22}^8 - 28.00 \cdot a_{12}^6a_{11}^2a_{22}^2a_{21}^6 + 8.00 \cdot a_{12}^7a_{11}a_{22}a_{21}^7 - a_{12}^8a_{21}^8 \geq 0 \\
& -8.00 \cdot a_{12}a_{11}^7a_{22}^2a_{21} + 28.00 \cdot a_{12}^2a_{11}^6a_{22}^2a_{21}^2 - 56.00 \cdot a_{12}^3a_{11}^5a_{22}^2a_{21}^3 + 70.00 \cdot a_{12}^4a_{11}^4a_{22}^2a_{21}^4 - 56.00 \cdot \\
& a_{12}^5a_{11}^3a_{22}^2a_{21}^5 + a_{11}^8a_{22}^8 + 28.00 \cdot a_{12}^6a_{11}^2a_{22}^2a_{21}^6 - 8.00 \cdot a_{12}^7a_{11}a_{22}a_{21}^7 + a_{12}^8a_{21}^8 > 0
\end{aligned}$$

pot #69:

symbol a_{12} : $(-inf, 0.0)$

symbol c_1 : $[-0.0, inf)$

symbol c_2 : $(-inf, 0.0)$

symbol a_{11} : $(-0.0, inf)$

symbol a_{22} : $(-0.0, inf)$

symbol b_1 : -0.0

symbol b_2 : $[-0.0, inf)$

symbol a_{21} : $(-inf, 0.0]$

$$-c_1a_{22} + c_2a_{21} > 0$$

$$a_{11}a_{22} - a_{12}a_{21} > 0$$

$$c_2a_{11} - c_1a_{12} > 0$$

$$-3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} + 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 - a_{12}^3a_{21}^3 + a_{11}^3a_{22}^3 \geq 0$$

$$a_{11}^2a_{22}^2 - 2.00 \cdot a_{12}a_{11}a_{22}a_{21} + a_{12}^2a_{21}^2 > 0$$

$$c_2a_{11}^2a_{22} - c_1a_{12}a_{11}a_{22} - a_{12}c_2a_{11}a_{21} + c_1a_{12}^2a_{21} \geq 0$$

$$-3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} + 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 - a_{12}^3a_{21}^3 + a_{11}^3a_{22}^3 > 0$$

$$3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} - 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 + a_{12}^3a_{21}^3 - a_{11}^3a_{22}^3 > 0$$

$$-8.00 \cdot a_{12}a_{11}^7a_{22}^2a_{21} + 28.00 \cdot a_{12}^2a_{11}^6a_{22}^2a_{21}^2 - 56.00 \cdot a_{12}^3a_{11}^5a_{22}^2a_{21}^3 + 70.00 \cdot a_{12}^4a_{11}^4a_{22}^2a_{21}^4 - 56.00 \cdot$$

$$a_{12}^5a_{11}^3a_{22}^2a_{21}^5 + a_{11}^8a_{22}^8 + 28.00 \cdot a_{12}^6a_{11}^2a_{22}^2a_{21}^6 - 8.00 \cdot a_{12}^7a_{11}a_{22}a_{21}^7 + a_{12}^8a_{21}^8 \geq 0$$

$$8.00 \cdot a_{12}a_{11}^7a_{22}^2a_{21} - 28.00 \cdot a_{12}^2a_{11}^6a_{22}^2a_{21}^2 + 56.00 \cdot a_{12}^3a_{11}^5a_{22}^2a_{21}^3 - 70.00 \cdot a_{12}^4a_{11}^4a_{22}^2a_{21}^4 + 56.00 \cdot$$

$$a_{12}^5a_{11}^3a_{22}^2a_{21}^5 - a_{11}^8a_{22}^8 - 28.00 \cdot a_{12}^6a_{11}^2a_{22}^2a_{21}^6 + 8.00 \cdot a_{12}^7a_{11}a_{22}a_{21}^7 - a_{12}^8a_{21}^8 > 0$$

pot #70:

symbol a_{12} : $(-inf, 0.0)$

symbol c_1 : $[-0.0, inf)$

symbol c_2 : $(-inf, 0.0)$

symbol a_{11} : $(-0.0, inf)$

symbol a_{22} : $(-0.0, inf)$

symbol b_1 : -0.0

symbol b_2 : -0.0

symbol a_{21} : $(-inf, 0.0]$

$$-c_1a_{22} + c_2a_{21} > 0$$

$$a_{11}a_{22} - a_{12}a_{21} > 0$$

$$c_2a_{11} - c_1a_{12} > 0$$

$$-3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} + 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 - a_{12}^3a_{21}^3 + a_{11}^3a_{22}^3 \geq 0$$

$$a_{11}^2a_{22}^2 - 2.00 \cdot a_{12}a_{11}a_{22}a_{21} + a_{12}^2a_{21}^2 > 0$$

$$c_2a_{11}^2a_{22} - c_1a_{12}a_{11}a_{22} - a_{12}c_2a_{11}a_{21} + c_1a_{12}^2a_{21} \geq 0$$

$$-3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} + 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 - a_{12}^3a_{21}^3 + a_{11}^3a_{22}^3 > 0$$

$$3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} - 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 + a_{12}^3a_{21}^3 - a_{11}^3a_{22}^3 > 0$$

$$8.00 \cdot a_{12}a_{11}^7a_{22}^2a_{21} - 28.00 \cdot a_{12}^2a_{11}^6a_{22}^2a_{21}^2 + 56.00 \cdot a_{12}^3a_{11}^5a_{22}^2a_{21}^3 - 70.00 \cdot a_{12}^4a_{11}^4a_{22}^2a_{21}^4 + 56.00 \cdot$$

$$a_{12}^5a_{11}^3a_{22}^2a_{21}^5 - a_{11}^8a_{22}^8 - 28.00 \cdot a_{12}^6a_{11}^2a_{22}^2a_{21}^6 + 8.00 \cdot a_{12}^7a_{11}a_{22}a_{21}^7 - a_{12}^8a_{21}^8 \geq 0$$

$$8.00 \cdot a_{12}a_{11}^7a_{22}^2a_{21} - 28.00 \cdot a_{12}^2a_{11}^6a_{22}^2a_{21}^2 + 56.00 \cdot a_{12}^3a_{11}^5a_{22}^2a_{21}^3 - 70.00 \cdot a_{12}^4a_{11}^4a_{22}^2a_{21}^4 + 56.00 \cdot$$

$$a_{12}^5a_{11}^3a_{22}^2a_{21}^5 - a_{11}^8a_{22}^8 - 28.00 \cdot a_{12}^6a_{11}^2a_{22}^2a_{21}^6 + 8.00 \cdot a_{12}^7a_{11}a_{22}a_{21}^7 - a_{12}^8a_{21}^8 > 0$$

pot #71:

symbol a_{12} : $(-inf, 0.0)$

symbol $c_1 : [-0.0, inf)$
symbol $c_2 : (-inf, 0.0)$
symbol $a_{11} : (-0.0, inf)$
symbol $a_{22} : (-0.0, inf)$
symbol $b_1 : -0.0$
symbol $b_2 : -0.0$
symbol $a_{21} : (-inf, 0.0]$
 $-c_1 a_{22} + c_2 a_{21} > 0$
 $a_{11} a_{22} - a_{12} a_{21} > 0$
 $c_2 a_{11} - c_1 a_{12} > 0$
 $-3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 + a_{11}^3 a_{22}^3 \geq 0$
 $a_{11}^2 a_{22}^2 - 2.00 \cdot a_{12} a_{11} a_{22} a_{21} + a_{12}^2 a_{21}^2 > 0$
 $c_2 a_{11}^2 a_{22} - c_1 a_{12} a_{11} a_{22} - a_{12} c_2 a_{11} a_{21} + c_1 a_{12}^2 a_{21} \geq 0$
 $-3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 + a_{11}^3 a_{22}^3 > 0$
 $3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + a_{12}^3 a_{21}^3 - a_{11}^3 a_{22}^3 > 0$
 $-8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 - 56.00 \cdot$
 $a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + a_{11}^8 a_{22}^8 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + a_{12}^8 a_{21}^8 \geq 0$
 $-8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 - 56.00 \cdot$
 $a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + a_{11}^8 a_{22}^8 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + a_{12}^8 a_{21}^8 > 0$
pot #72:
symbol $a_{12} : (-inf, 0.0)$
symbol $c_1 : [-0.0, inf)$
symbol $c_2 : (-inf, 0.0)$
symbol $a_{11} : (-0.0, inf)$
symbol $a_{22} : (-0.0, inf)$
symbol $b_1 : -0.0$
symbol $b_2 : [-0.0, inf)$
symbol $a_{21} : (-inf, 0.0]$
 $-c_1 a_{22} + c_2 a_{21} > 0$
 $a_{11} a_{22} - a_{12} a_{21} > 0$
 $c_2 a_{11} - c_1 a_{12} > 0$
 $-3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 + a_{11}^3 a_{22}^3 \geq 0$
 $a_{11}^2 a_{22}^2 - 2.00 \cdot a_{12} a_{11} a_{22} a_{21} + a_{12}^2 a_{21}^2 > 0$
 $c_2 a_{11}^2 a_{22} - c_1 a_{12} a_{11} a_{22} - a_{12} c_2 a_{11} a_{21} + c_1 a_{12}^2 a_{21} \geq 0$
 $-3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 + a_{11}^3 a_{22}^3 > 0$
 $-a_{11}^3 a_{22}^3 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + a_{12}^3 a_{21}^3 > 0$
 $8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 + 56.00 \cdot$
 $a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - a_{11}^8 a_{22}^8 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - a_{12}^8 a_{21}^8 \geq 0$
 $-8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 - 56.00 \cdot$
 $a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + a_{11}^8 a_{22}^8 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + a_{12}^8 a_{21}^8 > 0$
pot #73:
symbol $a_{12} : (-inf, 0.0)$
symbol $c_1 : [-0.0, inf)$
symbol $c_2 : (-inf, 0.0)$
symbol $a_{11} : (-0.0, inf)$
symbol $a_{22} : (-0.0, inf)$
symbol $b_1 : -0.0$
symbol $b_2 : [-0.0, inf)$
symbol $a_{21} : (-inf, 0.0]$
 $-c_1 a_{22} + c_2 a_{21} > 0$

$$\begin{aligned}
& a_{11}a_{22} - a_{12}a_{21} > 0 \\
& c_2a_{11} - c_1a_{12} > 0 \\
& -3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} + 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 - a_{12}^3a_{21}^3 + a_{11}^3a_{22}^3 \geq 0 \\
& a_{11}^2a_{22}^2 - 2.00 \cdot a_{12}a_{11}a_{22}a_{21} + a_{12}^2a_{21}^2 > 0 \\
& c_2a_{11}^2a_{22} - c_1a_{12}a_{11}a_{22} - a_{12}c_2a_{11}a_{21} + c_1a_{12}^2a_{21} \geq 0 \\
& -3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} + 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 - a_{12}^3a_{21}^3 + a_{11}^3a_{22}^3 > 0 \\
& -a_{11}^3a_{22}^3 + 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} - 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 + a_{12}^3a_{21}^3 > 0 \\
& -8.00 \cdot a_{12}a_{11}^7a_{22}^7a_{21} + 28.00 \cdot a_{12}^2a_{11}^6a_{22}^6a_{21}^2 - 56.00 \cdot a_{12}^3a_{11}^5a_{22}^5a_{21}^3 + 70.00 \cdot a_{12}^4a_{11}^4a_{22}^4a_{21}^4 - 56.00 \cdot \\
& a_{12}^5a_{11}^3a_{22}^3a_{21}^5 + a_{11}^8a_{22}^8 + 28.00 \cdot a_{12}^6a_{11}^2a_{22}^2a_{21}^6 - 8.00 \cdot a_{12}^7a_{11}a_{22}a_{21}^7 + a_{12}^8a_{21}^8 \geq 0 \\
& 8.00 \cdot a_{12}a_{11}^7a_{22}^7a_{21} - 28.00 \cdot a_{12}^2a_{11}^6a_{22}^6a_{21}^2 + 56.00 \cdot a_{12}^3a_{11}^5a_{22}^5a_{21}^3 - 70.00 \cdot a_{12}^4a_{11}^4a_{22}^4a_{21}^4 + 56.00 \cdot \\
& a_{12}^5a_{11}^3a_{22}^3a_{21}^5 - a_{11}^8a_{22}^8 - 28.00 \cdot a_{12}^6a_{11}^2a_{22}^2a_{21}^6 + 8.00 \cdot a_{12}^7a_{11}a_{22}a_{21}^7 - a_{12}^8a_{21}^8 > 0
\end{aligned}$$

pot #74:

symbol a_{12} : $(-inf, 0.0)$

symbol c_1 : $[-0.0, inf)$

symbol c_2 : $(-inf, 0.0)$

symbol a_{11} : $(-0.0, inf)$

symbol a_{22} : $(-0.0, inf)$

symbol b_1 : -0.0

symbol b_2 : -0.0

symbol a_{21} : $(-inf, 0.0]$

$$-c_1a_{22} + c_2a_{21} > 0$$

$$a_{11}a_{22} - a_{12}a_{21} > 0$$

$$c_2a_{11} - c_1a_{12} > 0$$

$$-3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} + 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 - a_{12}^3a_{21}^3 + a_{11}^3a_{22}^3 \geq 0$$

$$a_{11}^2a_{22}^2 - 2.00 \cdot a_{12}a_{11}a_{22}a_{21} + a_{12}^2a_{21}^2 > 0$$

$$c_2a_{11}^2a_{22} - c_1a_{12}a_{11}a_{22} - a_{12}c_2a_{11}a_{21} + c_1a_{12}^2a_{21} \geq 0$$

$$-3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} + 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 - a_{12}^3a_{21}^3 + a_{11}^3a_{22}^3 > 0$$

$$-a_{11}^3a_{22}^3 + 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} - 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 + a_{12}^3a_{21}^3 > 0$$

$$8.00 \cdot a_{12}a_{11}^7a_{22}^7a_{21} - 28.00 \cdot a_{12}^2a_{11}^6a_{22}^6a_{21}^2 + 56.00 \cdot a_{12}^3a_{11}^5a_{22}^5a_{21}^3 - 70.00 \cdot a_{12}^4a_{11}^4a_{22}^4a_{21}^4 + 56.00 \cdot$$

$$a_{12}^5a_{11}^3a_{22}^3a_{21}^5 - a_{11}^8a_{22}^8 - 28.00 \cdot a_{12}^6a_{11}^2a_{22}^2a_{21}^6 + 8.00 \cdot a_{12}^7a_{11}a_{22}a_{21}^7 - a_{12}^8a_{21}^8 \geq 0$$

$$8.00 \cdot a_{12}a_{11}^7a_{22}^7a_{21} - 28.00 \cdot a_{12}^2a_{11}^6a_{22}^6a_{21}^2 + 56.00 \cdot a_{12}^3a_{11}^5a_{22}^5a_{21}^3 - 70.00 \cdot a_{12}^4a_{11}^4a_{22}^4a_{21}^4 + 56.00 \cdot$$

$$a_{12}^5a_{11}^3a_{22}^3a_{21}^5 - a_{11}^8a_{22}^8 - 28.00 \cdot a_{12}^6a_{11}^2a_{22}^2a_{21}^6 + 8.00 \cdot a_{12}^7a_{11}a_{22}a_{21}^7 - a_{12}^8a_{21}^8 > 0$$

pot #75:

symbol a_{12} : $(-inf, 0.0)$

symbol c_1 : $[-0.0, inf)$

symbol c_2 : $(-inf, 0.0)$

symbol a_{11} : $(-0.0, inf)$

symbol a_{22} : $(-0.0, inf)$

symbol b_1 : -0.0

symbol b_2 : -0.0

symbol a_{21} : $(-inf, 0.0]$

$$-c_1a_{22} + c_2a_{21} > 0$$

$$a_{11}a_{22} - a_{12}a_{21} > 0$$

$$c_2a_{11} - c_1a_{12} > 0$$

$$-3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} + 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 - a_{12}^3a_{21}^3 + a_{11}^3a_{22}^3 \geq 0$$

$$a_{11}^2a_{22}^2 - 2.00 \cdot a_{12}a_{11}a_{22}a_{21} + a_{12}^2a_{21}^2 > 0$$

$$c_2a_{11}^2a_{22} - c_1a_{12}a_{11}a_{22} - a_{12}c_2a_{11}a_{21} + c_1a_{12}^2a_{21} \geq 0$$

$$-3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} + 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 - a_{12}^3a_{21}^3 + a_{11}^3a_{22}^3 > 0$$

$$-a_{11}^3a_{22}^3 + 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} - 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 + a_{12}^3a_{21}^3 > 0$$

$$-8.00 \cdot a_{12}a_{11}^7a_{22}^7a_{21} + 28.00 \cdot a_{12}^2a_{11}^6a_{22}^6a_{21}^2 - 56.00 \cdot a_{12}^3a_{11}^5a_{22}^5a_{21}^3 + 70.00 \cdot a_{12}^4a_{11}^4a_{22}^4a_{21}^4 - 56.00 \cdot$$

$$\begin{aligned}
& a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + a_{11}^8 a_{22}^8 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + a_{12}^8 a_{21}^8 \geq 0 \\
& -8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 - 56.00 \cdot \\
& a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + a_{11}^8 a_{22}^8 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + a_{12}^8 a_{21}^8 > 0
\end{aligned}$$

pot #76:

symbol a_{12} : $(-inf, 0.0)$

symbol c_1 : $[-0.0, inf)$

symbol c_2 : $(-inf, 0.0)$

symbol a_{11} : $(-0.0, inf)$

symbol a_{22} : $(-0.0, inf)$

symbol b_1 : -0.0

symbol b_2 : $[-0.0, inf)$

symbol a_{21} : $(-inf, 0.0]$

$$-c_1 a_{22} + c_2 a_{21} > 0$$

$$a_{11} a_{22} - a_{12} a_{21} > 0$$

$$c_2 a_{11} - c_1 a_{12} > 0$$

$$-3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 + a_{11}^3 a_{22}^3 \geq 0$$

$$a_{11}^2 a_{22}^2 - 2.00 \cdot a_{12} a_{11} a_{22} a_{21} + a_{12}^2 a_{21}^2 > 0$$

$$c_2 a_{11}^2 a_{22} - c_1 a_{12} a_{11} a_{22} - a_{12} c_2 a_{11} a_{21} + c_1 a_{12}^2 a_{21} \geq 0$$

$$3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + a_{12}^3 a_{21}^3 - a_{11}^3 a_{22}^3 > 0$$

$$a_{11}^3 a_{22}^3 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 > 0$$

pot #77:

symbol a_{12} : $(-inf, 0.0)$

symbol c_1 : $[-0.0, inf)$

symbol c_2 : $(-inf, 0.0)$

symbol a_{11} : $(-0.0, inf)$

symbol a_{22} : $(-0.0, inf)$

symbol b_1 : -0.0

symbol b_2 : $[-0.0, inf)$

symbol a_{21} : $(-inf, 0.0]$

$$-c_1 a_{22} + c_2 a_{21} > 0$$

$$a_{11} a_{22} - a_{12} a_{21} > 0$$

$$c_2 a_{11} - c_1 a_{12} > 0$$

$$-3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 + a_{11}^3 a_{22}^3 \geq 0$$

$$a_{11}^2 a_{22}^2 - 2.00 \cdot a_{12} a_{11} a_{22} a_{21} + a_{12}^2 a_{21}^2 > 0$$

$$c_2 a_{11}^2 a_{22} - c_1 a_{12} a_{11} a_{22} - a_{12} c_2 a_{11} a_{21} + c_1 a_{12}^2 a_{21} \geq 0$$

$$3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + a_{12}^3 a_{21}^3 - a_{11}^3 a_{22}^3 > 0$$

$$3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + a_{12}^3 a_{21}^3 - a_{11}^3 a_{22}^3 \geq 0$$

pot #78:

symbol a_{12} : $(-inf, 0.0)$

symbol c_1 : $[-0.0, inf)$

symbol c_2 : $(-inf, 0.0)$

symbol a_{11} : $(-0.0, inf)$

symbol a_{22} : $(-0.0, inf)$

symbol b_1 : -0.0

symbol b_2 : $[-0.0, inf)$

symbol a_{21} : $(-inf, 0.0]$

$$-c_1 a_{22} + c_2 a_{21} > 0$$

$$a_{11} a_{22} - a_{12} a_{21} > 0$$

$$c_2 a_{11} - c_1 a_{12} > 0$$

$$-3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 + a_{11}^3 a_{22}^3 \geq 0$$

$$\begin{aligned}
& a_{11}^2 a_{22}^2 - 2.00 \cdot a_{12} a_{11} a_{22} a_{21} + a_{12}^2 a_{21}^2 > 0 \\
& c_2 a_{11}^2 a_{22} - c_1 a_{12} a_{11} a_{22} - a_{12} c_2 a_{11} a_{21} + c_1 a_{12}^2 a_{21} \geq 0 \\
& -3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 + a_{11}^3 a_{22}^3 > 0 \\
& \text{pot \#79:} \\
& \text{symbol } a_{12} : (-inf, 0.0) \\
& \text{symbol } c_1 : [-0.0, inf) \\
& \text{symbol } c_2 : (-inf, 0.0) \\
& \text{symbol } a_{11} : (-0.0, inf) \\
& \text{symbol } a_{22} : (-0.0, inf) \\
& \text{symbol } b_1 : -0.0 \\
& \text{symbol } b_2 : [-0.0, inf) \\
& \text{symbol } a_{21} : (-inf, 0.0] \\
& -c_1 a_{22} + c_2 a_{21} > 0 \\
& a_{11} a_{22} - a_{12} a_{21} > 0 \\
& c_2 a_{11} - c_1 a_{12} > 0 \\
& -3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 + a_{11}^3 a_{22}^3 \geq 0 \\
& a_{11}^2 a_{22}^2 - 2.00 \cdot a_{12} a_{11} a_{22} a_{21} + a_{12}^2 a_{21}^2 > 0 \\
& c_2 a_{11}^2 a_{22} - c_1 a_{12} a_{11} a_{22} - a_{12} c_2 a_{11} a_{21} + c_1 a_{12}^2 a_{21} \geq 0 \\
& -3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 + a_{11}^3 a_{22}^3 > 0 \\
& 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + a_{12}^3 a_{21}^3 - a_{11}^3 a_{22}^3 \geq 0 \\
& -a_{11}^3 a_{22}^3 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + a_{12}^3 a_{21}^3 > 0
\end{aligned}$$

x_2	$\frac{-b_1 a_{11}^2 a_{22}^3 + 2.00 \cdot b_1 a_{21} a_{11} a_{22}^2 a_{12} - b_1 a_{21}^2 a_{22} a_{12}^2 + a_{12} b_2 a_{11}^2 a_{22}^2 - 2.00 \cdot a_{12}^2 b_2 a_{11} a_{22} a_{21} + a_{12}^3 b_2 a_{21}^2}{-a_{11}^2 a_{22}^3 + 2.00 \cdot a_{12} a_{11} a_{22}^2 a_{21} - a_{12}^2 a_{22} a_{21}^2}$
x_1	$\frac{8.00 \cdot a_{12} b_2 a_{11}^7 a_{22}^7 a_{21} - 28.00 \cdot a_{12}^2 b_2 a_{11}^6 a_{22}^6 a_{21}^2 + 56.00 \cdot a_{12}^3 b_2 a_{11}^5 a_{22}^5 a_{21}^3 - b_2 a_{11}^8 a_{22}^8 - 70.00 \cdot a_{12}^4 b_2 a_{11}^4 a_{22}^4 a_{21}^4 + 56.00 \cdot a_{12}^5 b_2 a_{11}^3 a_{22}^3 a_{21}^5 - 28.00 \cdot a_{12}^6 b_2 a_{11}^2 a_{22}^2 a_{21}^6 + 8.00 \cdot a_{12}^7 b_2 a_{11} a_{22} a_{21}^7}{-a_{11}^8 a_{22}^9 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^8 a_{21} - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^7 a_{21}^2 + 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^6 a_{21}^3 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^5 a_{21}^4 + 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^4 a_{21}^5 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^3 a_{21}^6 + 8.00 \cdot a_{12}^7 a_{11} a_{22}^2 a_{21}^7}$
Ψ	$\frac{-8.00 \cdot a_{12} c_2 a_{11}^7 a_{22}^7 b_2 a_{21} + 28.00 \cdot a_{12}^2 c_2 a_{11}^6 a_{22}^6 b_2 a_{21}^2 - 56.00 \cdot a_{12}^3 c_2 a_{11}^5 a_{22}^5 b_2 a_{21}^3 + b_2 c_2 a_{11}^8 a_{22}^8 + 70.00 \cdot a_{12}^4 c_2 a_{11}^4 a_{22}^4 b_2 a_{21}^4 - 56.00 \cdot a_{12}^5 c_2 a_{11}^3 a_{22}^3 b_2 a_{21}^5 - 28.00 \cdot a_{12}^6 c_2 a_{11}^2 a_{22}^2 b_2 a_{21}^6 + 8.00 \cdot a_{12}^7 c_2 a_{11} a_{22} a_{21}^7}{-a_{11}^8 a_{22}^9 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^8 a_{21} - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^7 a_{21}^2 + 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^6 a_{21}^3 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^5 a_{21}^4 + 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^4 a_{21}^5 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^3 a_{21}^6 + 8.00 \cdot a_{12}^7 a_{11} a_{22}^2 a_{21}^7}$

Table #1.0.0.1

Moving out basis: x_1 from line: 1

Moving to basis: x_2

pots:

pot #0:

symbol a_{12} : $(-inf, 0.0)$

symbol c_1 : $[-0.0, inf)$

symbol c_2 : $(-inf, 0.0)$

symbol a_{11} : $(-0.0, inf)$

symbol a_{22} : $(-0.0, inf)$

symbol b_1 : $[-0.0, inf)$

symbol b_2 : $[-0.0, inf)$

symbol a_{21} : $(-inf, 0.0]$

$$-c_1 a_{22} + c_2 a_{21} > 0$$

$$a_{11} a_{22} - a_{12} a_{21} > 0$$

$$c_2 a_{11} - c_1 a_{12} > 0$$

$$3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + a_{12}^3 a_{21}^3 - a_{11}^3 a_{22}^3 \geq 0$$

$$a_{11}^2 a_{22}^2 - 2.00 \cdot a_{12} a_{11} a_{22} a_{21} + a_{12}^2 a_{21}^2 > 0$$

$$c_2 a_{11}^2 a_{22} - c_1 a_{12} a_{11} a_{22} - a_{12} c_2 a_{11} a_{21} + c_1 a_{12}^2 a_{21} \geq 0$$

$$3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + a_{12}^3 a_{21}^3 - a_{11}^3 a_{22}^3 > 0$$

$$a_{11}^3 a_{22}^3 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 > 0$$

$$-8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + a_{11}^8 a_{22}^8 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 -$$

$$56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + a_{12}^8 a_{21}^8 \geq 0$$

$$-8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + a_{11}^8 a_{22}^8 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 -$$

$$56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + a_{12}^8 a_{21}^8 > 0$$

pot #1:

symbol a_{12} : $(-inf, 0.0)$

symbol c_1 : $[-0.0, inf)$

symbol c_2 : $(-inf, 0.0)$

symbol a_{11} : $(-0.0, inf)$

symbol a_{22} : $(-0.0, inf)$

symbol b_1 : $[-0.0, inf)$

symbol b_2 : $[-0.0, inf)$

symbol a_{21} : $(-inf, 0.0]$

$$-c_1 a_{22} + c_2 a_{21} > 0$$

$$a_{11} a_{22} - a_{12} a_{21} > 0$$

$$c_2 a_{11} - c_1 a_{12} > 0$$

$$3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + a_{12}^3 a_{21}^3 - a_{11}^3 a_{22}^3 \geq 0$$

$$a_{11}^2 a_{22}^2 - 2.00 \cdot a_{12} a_{11} a_{22} a_{21} + a_{12}^2 a_{21}^2 > 0$$

$$c_2 a_{11}^2 a_{22} - c_1 a_{12} a_{11} a_{22} - a_{12} c_2 a_{11} a_{21} + c_1 a_{12}^2 a_{21} \geq 0$$

$$3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + a_{12}^3 a_{21}^3 - a_{11}^3 a_{22}^3 > 0$$

$$a_{11}^3 a_{22}^3 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 > 0$$

$$8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - a_{11}^8 a_{22}^8 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 +$$

$$56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - a_{12}^8 a_{21}^8 \geq 0$$

$$8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - a_{11}^8 a_{22}^8 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 +$$

$$56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - a_{12}^8 a_{21}^8 > 0$$

pot #2:

symbol a_{12} : $(-inf, 0.0)$

symbol c_1 : $[-0.0, inf)$

symbol $c_2 : (-inf, 0.0)$
 symbol $a_{11} : (-0.0, inf)$
 symbol $a_{22} : (-0.0, inf)$
 symbol $b_1 : [-0.0, inf)$
 symbol $b_2 : -0.0$
 symbol $a_{21} : (-inf, 0.0]$
 $-c_1 a_{22} + c_2 a_{21} > 0$
 $a_{11} a_{22} - a_{12} a_{21} > 0$
 $c_2 a_{11} - c_1 a_{12} > 0$
 $3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + a_{12}^3 a_{21}^3 - a_{11}^3 a_{22}^3 \geq 0$
 $a_{11}^2 a_{22}^2 - 2.00 \cdot a_{12} a_{11} a_{22} a_{21} + a_{12}^2 a_{21}^2 > 0$
 $c_2 a_{11}^2 a_{22} - c_1 a_{12} a_{11} a_{22} - a_{12} c_2 a_{11} a_{21} + c_1 a_{12}^2 a_{21} \geq 0$
 $3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + a_{12}^3 a_{21}^3 - a_{11}^3 a_{22}^3 > 0$
 $a_{11}^3 a_{22}^3 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 > 0$
 $-8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + a_{11}^8 a_{22}^8 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 -$
 $56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + a_{12}^8 a_{21}^8 \geq 0$
 $8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - a_{11}^8 a_{22}^8 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 +$
 $56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - a_{12}^8 a_{21}^8 > 0$

pot #3:

symbol $a_{12} : (-inf, 0.0)$
 symbol $c_1 : [-0.0, inf)$
 symbol $c_2 : (-inf, 0.0)$
 symbol $a_{11} : (-0.0, inf)$
 symbol $a_{22} : (-0.0, inf)$
 symbol $b_1 : [-0.0, inf)$
 symbol $b_2 : -0.0$
 symbol $a_{21} : (-inf, 0.0]$
 $-c_1 a_{22} + c_2 a_{21} > 0$
 $a_{11} a_{22} - a_{12} a_{21} > 0$
 $c_2 a_{11} - c_1 a_{12} > 0$
 $3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + a_{12}^3 a_{21}^3 - a_{11}^3 a_{22}^3 \geq 0$
 $a_{11}^2 a_{22}^2 - 2.00 \cdot a_{12} a_{11} a_{22} a_{21} + a_{12}^2 a_{21}^2 > 0$
 $c_2 a_{11}^2 a_{22} - c_1 a_{12} a_{11} a_{22} - a_{12} c_2 a_{11} a_{21} + c_1 a_{12}^2 a_{21} \geq 0$
 $3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + a_{12}^3 a_{21}^3 - a_{11}^3 a_{22}^3 > 0$
 $a_{11}^3 a_{22}^3 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 > 0$
 $8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - a_{11}^8 a_{22}^8 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 +$
 $56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - a_{12}^8 a_{21}^8 \geq 0$
 $-8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + a_{11}^8 a_{22}^8 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 -$
 $56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + a_{12}^8 a_{21}^8 > 0$

pot #4:

symbol $a_{12} : (-inf, 0.0)$
 symbol $c_1 : [-0.0, inf)$
 symbol $c_2 : (-inf, 0.0)$
 symbol $a_{11} : (-0.0, inf)$
 symbol $a_{22} : (-0.0, inf)$
 symbol $b_1 : [-0.0, inf)$
 symbol $b_2 : [-0.0, inf)$
 symbol $a_{21} : (-inf, 0.0]$
 $-c_1 a_{22} + c_2 a_{21} > 0$
 $a_{11} a_{22} - a_{12} a_{21} > 0$

$$8.00 \cdot a_{12}a_{11}^7a_{22}^7a_{21} - 28.00 \cdot a_{12}^2a_{11}^6a_{22}^6a_{21}^2 + 56.00 \cdot a_{12}^3a_{11}^5a_{22}^5a_{21}^3 - a_{11}^8a_{22}^8 - 70.00 \cdot a_{12}^4a_{11}^4a_{22}^4a_{21}^4 + 56.00 \cdot a_{12}^5a_{11}^3a_{22}^3a_{21}^5 - 28.00 \cdot a_{12}^6a_{11}^2a_{22}^2a_{21}^6 + 8.00 \cdot a_{12}^7a_{11}a_{22}a_{21}^7 - a_{12}^8a_{21}^8 > 0$$

pot #7:

symbol a_{12} : $(-inf, 0.0)$

symbol c_1 : $[-0.0, inf)$

symbol c_2 : $(-inf, 0.0)$

symbol a_{11} : $(-0.0, inf)$

symbol a_{22} : $(-0.0, inf)$

symbol b_1 : $[-0.0, inf)$

symbol b_2 : -0.0

symbol a_{21} : $(-inf, 0.0]$

$$-c_1a_{22} + c_2a_{21} > 0$$

$$a_{11}a_{22} - a_{12}a_{21} > 0$$

$$c_2a_{11} - c_1a_{12} > 0$$

$$3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} - 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 + a_{12}^3a_{21}^3 - a_{11}^3a_{22}^3 \geq 0$$

$$a_{11}^2a_{22}^2 - 2.00 \cdot a_{12}a_{11}a_{22}a_{21} + a_{12}^2a_{21}^2 > 0$$

$$c_2a_{11}^2a_{22} - c_1a_{12}a_{11}a_{22} - a_{12}c_2a_{11}a_{21} + c_1a_{12}^2a_{21} \geq 0$$

$$3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} - 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 + a_{12}^3a_{21}^3 - a_{11}^3a_{22}^3 > 0$$

$$-3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} + 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 - a_{12}^3a_{21}^3 + a_{11}^3a_{22}^3 > 0$$

$$8.00 \cdot a_{12}a_{11}^7a_{22}^7a_{21} - 28.00 \cdot a_{12}^2a_{11}^6a_{22}^6a_{21}^2 + 56.00 \cdot a_{12}^3a_{11}^5a_{22}^5a_{21}^3 - a_{11}^8a_{22}^8 - 70.00 \cdot a_{12}^4a_{11}^4a_{22}^4a_{21}^4 +$$

$$56.00 \cdot a_{12}^5a_{11}^3a_{22}^3a_{21}^5 - 28.00 \cdot a_{12}^6a_{11}^2a_{22}^2a_{21}^6 + 8.00 \cdot a_{12}^7a_{11}a_{22}a_{21}^7 - a_{12}^8a_{21}^8 \geq 0$$

$$-8.00 \cdot a_{12}a_{11}^7a_{22}^7a_{21} + 28.00 \cdot a_{12}^2a_{11}^6a_{22}^6a_{21}^2 - 56.00 \cdot a_{12}^3a_{11}^5a_{22}^5a_{21}^3 + a_{11}^8a_{22}^8 + 70.00 \cdot a_{12}^4a_{11}^4a_{22}^4a_{21}^4 -$$

$$56.00 \cdot a_{12}^5a_{11}^3a_{22}^3a_{21}^5 + 28.00 \cdot a_{12}^6a_{11}^2a_{22}^2a_{21}^6 - 8.00 \cdot a_{12}^7a_{11}a_{22}a_{21}^7 + a_{12}^8a_{21}^8 > 0$$

pot #8:

symbol a_{12} : $(-inf, 0.0)$

symbol c_1 : $[-0.0, inf)$

symbol c_2 : $(-inf, 0.0)$

symbol a_{11} : $(-0.0, inf)$

symbol a_{22} : $(-0.0, inf)$

symbol b_1 : $[-0.0, inf)$

symbol b_2 : $[-0.0, inf)$

symbol a_{21} : $(-inf, 0.0]$

$$-c_1a_{22} + c_2a_{21} > 0$$

$$a_{11}a_{22} - a_{12}a_{21} > 0$$

$$c_2a_{11} - c_1a_{12} > 0$$

$$3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} - 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 + a_{12}^3a_{21}^3 - a_{11}^3a_{22}^3 \geq 0$$

$$a_{11}^2a_{22}^2 - 2.00 \cdot a_{12}a_{11}a_{22}a_{21} + a_{12}^2a_{21}^2 > 0$$

$$c_2a_{11}^2a_{22} - c_1a_{12}a_{11}a_{22} - a_{12}c_2a_{11}a_{21} + c_1a_{12}^2a_{21} \geq 0$$

$$-3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} + 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 - a_{12}^3a_{21}^3 + a_{11}^3a_{22}^3 > 0$$

$$3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} - 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 + a_{12}^3a_{21}^3 - a_{11}^3a_{22}^3 > 0$$

$$-8.00 \cdot a_{12}a_{11}^7a_{22}^7a_{21} + 28.00 \cdot a_{12}^2a_{11}^6a_{22}^6a_{21}^2 - 56.00 \cdot a_{12}^3a_{11}^5a_{22}^5a_{21}^3 + a_{11}^8a_{22}^8 + 70.00 \cdot a_{12}^4a_{11}^4a_{22}^4a_{21}^4 -$$

$$56.00 \cdot a_{12}^5a_{11}^3a_{22}^3a_{21}^5 + 28.00 \cdot a_{12}^6a_{11}^2a_{22}^2a_{21}^6 - 8.00 \cdot a_{12}^7a_{11}a_{22}a_{21}^7 + a_{12}^8a_{21}^8 \geq 0$$

$$-8.00 \cdot a_{12}a_{11}^7a_{22}^7a_{21} + 28.00 \cdot a_{12}^2a_{11}^6a_{22}^6a_{21}^2 - 56.00 \cdot a_{12}^3a_{11}^5a_{22}^5a_{21}^3 + a_{11}^8a_{22}^8 + 70.00 \cdot a_{12}^4a_{11}^4a_{22}^4a_{21}^4 -$$

$$56.00 \cdot a_{12}^5a_{11}^3a_{22}^3a_{21}^5 + 28.00 \cdot a_{12}^6a_{11}^2a_{22}^2a_{21}^6 - 8.00 \cdot a_{12}^7a_{11}a_{22}a_{21}^7 + a_{12}^8a_{21}^8 > 0$$

pot #9:

symbol a_{12} : $(-inf, 0.0)$

symbol c_1 : $[-0.0, inf)$

symbol c_2 : $(-inf, 0.0)$

symbol a_{11} : $(-0.0, inf)$

symbol a_{22} : $(-0.0, inf)$

symbol $b_1 : [-0.0, inf)$

symbol $b_2 : [-0.0, inf)$

symbol $a_{21} : (-inf, 0.0]$

$$-c_1 a_{22} + c_2 a_{21} > 0$$

$$a_{11} a_{22} - a_{12} a_{21} > 0$$

$$c_2 a_{11} - c_1 a_{12} > 0$$

$$3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + a_{12}^3 a_{21}^3 - a_{11}^3 a_{22}^3 \geq 0$$

$$a_{11}^2 a_{22}^2 - 2.00 \cdot a_{12} a_{11} a_{22} a_{21} + a_{12}^2 a_{21}^2 > 0$$

$$c_2 a_{11}^2 a_{22} - c_1 a_{12} a_{11} a_{22} - a_{12} c_2 a_{11} a_{21} + c_1 a_{12}^2 a_{21} \geq 0$$

$$-3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 + a_{11}^3 a_{22}^3 > 0$$

$$3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + a_{12}^3 a_{21}^3 - a_{11}^3 a_{22}^3 > 0$$

$$8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - a_{11}^8 a_{22}^8 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 +$$

$$56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - a_{12}^8 a_{21}^8 \geq 0$$

$$8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - a_{11}^8 a_{22}^8 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 +$$

$$56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - a_{12}^8 a_{21}^8 > 0$$

pot #10:

symbol $a_{12} : (-inf, 0.0)$

symbol $c_1 : [-0.0, inf)$

symbol $c_2 : (-inf, 0.0)$

symbol $a_{11} : (-0.0, inf)$

symbol $a_{22} : (-0.0, inf)$

symbol $b_1 : [-0.0, inf)$

symbol $b_2 : -0.0$

symbol $a_{21} : (-inf, 0.0]$

$$-c_1 a_{22} + c_2 a_{21} > 0$$

$$a_{11} a_{22} - a_{12} a_{21} > 0$$

$$c_2 a_{11} - c_1 a_{12} > 0$$

$$3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + a_{12}^3 a_{21}^3 - a_{11}^3 a_{22}^3 \geq 0$$

$$a_{11}^2 a_{22}^2 - 2.00 \cdot a_{12} a_{11} a_{22} a_{21} + a_{12}^2 a_{21}^2 > 0$$

$$c_2 a_{11}^2 a_{22} - c_1 a_{12} a_{11} a_{22} - a_{12} c_2 a_{11} a_{21} + c_1 a_{12}^2 a_{21} \geq 0$$

$$-3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 + a_{11}^3 a_{22}^3 > 0$$

$$3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + a_{12}^3 a_{21}^3 - a_{11}^3 a_{22}^3 > 0$$

$$-8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + a_{11}^8 a_{22}^8 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 -$$

$$56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + a_{12}^8 a_{21}^8 \geq 0$$

$$8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - a_{11}^8 a_{22}^8 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 +$$

$$56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - a_{12}^8 a_{21}^8 > 0$$

pot #11:

symbol $a_{12} : (-inf, 0.0)$

symbol $c_1 : [-0.0, inf)$

symbol $c_2 : (-inf, 0.0)$

symbol $a_{11} : (-0.0, inf)$

symbol $a_{22} : (-0.0, inf)$

symbol $b_1 : [-0.0, inf)$

symbol $b_2 : -0.0$

symbol $a_{21} : (-inf, 0.0]$

$$-c_1 a_{22} + c_2 a_{21} > 0$$

$$a_{11} a_{22} - a_{12} a_{21} > 0$$

$$c_2 a_{11} - c_1 a_{12} > 0$$

$$3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + a_{12}^3 a_{21}^3 - a_{11}^3 a_{22}^3 \geq 0$$

$$a_{11}^2 a_{22}^2 - 2.00 \cdot a_{12} a_{11} a_{22} a_{21} + a_{12}^2 a_{21}^2 > 0$$

$$\begin{aligned}
& c_2 a_{11}^2 a_{22} - c_1 a_{12} a_{11} a_{22} - a_{12} c_2 a_{11} a_{21} + c_1 a_{12}^2 a_{21} \geq 0 \\
& -3.00 \cdot a_{12} a_{11}^2 a_{22} a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 + a_{11}^3 a_{22}^3 > 0 \\
& 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + a_{12}^3 a_{21}^3 - a_{11}^3 a_{22}^3 > 0 \\
& 8.00 \cdot a_{12} a_{11}^7 a_{22} a_{21} - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^2 a_{21}^2 + 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - a_{11}^8 a_{22}^8 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 + \\
& 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - a_{12}^8 a_{21}^8 \geq 0 \\
& -8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + a_{11}^8 a_{22}^8 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 - \\
& 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + a_{12}^8 a_{21}^8 > 0
\end{aligned}$$

pot #12:

symbol a_{12} : $(-inf, 0.0)$

symbol c_1 : $[-0.0, inf)$

symbol c_2 : $(-inf, 0.0)$

symbol a_{11} : $(-0.0, inf)$

symbol a_{22} : $(-0.0, inf)$

symbol b_1 : $[-0.0, inf)$

symbol b_2 : $[-0.0, inf)$

symbol a_{21} : $(-inf, 0.0]$

$$-c_1 a_{22} + c_2 a_{21} > 0$$

$$a_{11} a_{22} - a_{12} a_{21} > 0$$

$$c_2 a_{11} - c_1 a_{12} > 0$$

$$3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + a_{12}^3 a_{21}^3 - a_{11}^3 a_{22}^3 \geq 0$$

$$a_{11}^2 a_{22}^2 - 2.00 \cdot a_{12} a_{11} a_{22} a_{21} + a_{12}^2 a_{21}^2 > 0$$

$$c_2 a_{11}^2 a_{22} - c_1 a_{12} a_{11} a_{22} - a_{12} c_2 a_{11} a_{21} + c_1 a_{12}^2 a_{21} \geq 0$$

$$-3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 + a_{11}^3 a_{22}^3 > 0$$

$$-a_{11}^3 a_{22}^3 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + a_{12}^3 a_{21}^3 > 0$$

$$-8.00 \cdot a_{12} a_{11}^7 a_{22} a_{21} + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^2 a_{21}^2 - 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + a_{11}^8 a_{22}^8 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 -$$

$$56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + a_{12}^8 a_{21}^8 \geq 0$$

$$-8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + a_{11}^8 a_{22}^8 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 -$$

$$56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + a_{12}^8 a_{21}^8 > 0$$

pot #13:

symbol a_{12} : $(-inf, 0.0)$

symbol c_1 : $[-0.0, inf)$

symbol c_2 : $(-inf, 0.0)$

symbol a_{11} : $(-0.0, inf)$

symbol a_{22} : $(-0.0, inf)$

symbol b_1 : $[-0.0, inf)$

symbol b_2 : $[-0.0, inf)$

symbol a_{21} : $(-inf, 0.0]$

$$-c_1 a_{22} + c_2 a_{21} > 0$$

$$a_{11} a_{22} - a_{12} a_{21} > 0$$

$$c_2 a_{11} - c_1 a_{12} > 0$$

$$3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + a_{12}^3 a_{21}^3 - a_{11}^3 a_{22}^3 \geq 0$$

$$a_{11}^2 a_{22}^2 - 2.00 \cdot a_{12} a_{11} a_{22} a_{21} + a_{12}^2 a_{21}^2 > 0$$

$$c_2 a_{11}^2 a_{22} - c_1 a_{12} a_{11} a_{22} - a_{12} c_2 a_{11} a_{21} + c_1 a_{12}^2 a_{21} \geq 0$$

$$-3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 + a_{11}^3 a_{22}^3 > 0$$

$$-a_{11}^3 a_{22}^3 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + a_{12}^3 a_{21}^3 > 0$$

$$8.00 \cdot a_{12} a_{11}^7 a_{22} a_{21} - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^2 a_{21}^2 + 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - a_{11}^8 a_{22}^8 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 +$$

$$56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - a_{12}^8 a_{21}^8 \geq 0$$

$$8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - a_{11}^8 a_{22}^8 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 +$$

$$56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - a_{12}^8 a_{21}^8 > 0$$

pot #14:

symbol $a_{12} : (-inf, 0.0)$
 symbol $c_1 : [-0.0, inf)$
 symbol $c_2 : (-inf, 0.0)$
 symbol $a_{11} : (-0.0, inf)$
 symbol $a_{22} : (-0.0, inf)$
 symbol $b_1 : [-0.0, inf)$
 symbol $b_2 : -0.0$
 symbol $a_{21} : (-inf, 0.0]$
 $-c_1 a_{22} + c_2 a_{21} > 0$
 $a_{11} a_{22} - a_{12} a_{21} > 0$
 $c_2 a_{11} - c_1 a_{12} > 0$
 $3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + a_{12}^3 a_{21}^3 - a_{11}^3 a_{22}^3 \geq 0$
 $a_{11}^2 a_{22}^2 - 2.00 \cdot a_{12} a_{11} a_{22} a_{21} + a_{12}^2 a_{21}^2 > 0$
 $c_2 a_{11}^2 a_{22} - c_1 a_{12} a_{11} a_{22} - a_{12} c_2 a_{11} a_{21} + c_1 a_{12}^2 a_{21} \geq 0$
 $-3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 + a_{11}^3 a_{22}^3 > 0$
 $-a_{11}^3 a_{22}^3 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + a_{12}^3 a_{21}^3 > 0$
 $-8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + a_{11}^8 a_{22}^8 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 -$
 $56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + a_{12}^8 a_{21}^8 \geq 0$
 $8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - a_{11}^8 a_{22}^8 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 +$
 $56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - a_{12}^8 a_{21}^8 > 0$

pot #15:

symbol $a_{12} : (-inf, 0.0)$
 symbol $c_1 : [-0.0, inf)$
 symbol $c_2 : (-inf, 0.0)$
 symbol $a_{11} : (-0.0, inf)$
 symbol $a_{22} : (-0.0, inf)$
 symbol $b_1 : [-0.0, inf)$
 symbol $b_2 : -0.0$
 symbol $a_{21} : (-inf, 0.0]$
 $-c_1 a_{22} + c_2 a_{21} > 0$
 $a_{11} a_{22} - a_{12} a_{21} > 0$
 $c_2 a_{11} - c_1 a_{12} > 0$
 $3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + a_{12}^3 a_{21}^3 - a_{11}^3 a_{22}^3 \geq 0$
 $a_{11}^2 a_{22}^2 - 2.00 \cdot a_{12} a_{11} a_{22} a_{21} + a_{12}^2 a_{21}^2 > 0$
 $c_2 a_{11}^2 a_{22} - c_1 a_{12} a_{11} a_{22} - a_{12} c_2 a_{11} a_{21} + c_1 a_{12}^2 a_{21} \geq 0$
 $-3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 + a_{11}^3 a_{22}^3 > 0$
 $-a_{11}^3 a_{22}^3 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + a_{12}^3 a_{21}^3 > 0$
 $8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - a_{11}^8 a_{22}^8 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 +$
 $56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - a_{12}^8 a_{21}^8 \geq 0$
 $-8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + a_{11}^8 a_{22}^8 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 -$
 $56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + a_{12}^8 a_{21}^8 > 0$

pot #16:

symbol $a_{12} : (-inf, 0.0)$
 symbol $c_1 : [-0.0, inf)$
 symbol $c_2 : (-inf, 0.0)$
 symbol $a_{11} : (-0.0, inf)$
 symbol $a_{22} : (-0.0, inf)$
 symbol $b_1 : [-0.0, inf)$
 symbol $b_2 : [-0.0, inf)$
 symbol $a_{21} : (-inf, 0.0]$

$$-c_1 a_{22} + c_2 a_{21} > 0$$

$$a_{11} a_{22} - a_{12} a_{21} > 0$$

$$c_2 a_{11} - c_1 a_{12} > 0$$

$$-3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 + a_{11}^3 a_{22}^3 \geq 0$$

$$-a_{11}^2 a_{22}^2 + 2.00 \cdot a_{12} a_{11} a_{22} a_{21} - a_{12}^2 a_{21}^2 > 0$$

$$c_2 a_{11}^2 a_{22} - c_1 a_{12} a_{11} a_{22} - a_{12} c_2 a_{11} a_{21} + c_1 a_{12}^2 a_{21} \geq 0$$

$$3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + a_{12}^3 a_{21}^3 - a_{11}^3 a_{22}^3 > 0$$

$$a_{11}^3 a_{22}^3 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 > 0$$

$$-8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + a_{11}^8 a_{22}^8 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 -$$

$$56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + a_{12}^8 a_{21}^8 \geq 0$$

$$-8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + a_{11}^8 a_{22}^8 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 -$$

$$56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + a_{12}^8 a_{21}^8 > 0$$

pot #17:

$$\text{symbol } a_{12} : (-inf, 0.0)$$

$$\text{symbol } c_1 : [-0.0, inf)$$

$$\text{symbol } c_2 : (-inf, 0.0)$$

$$\text{symbol } a_{11} : (-0.0, inf)$$

$$\text{symbol } a_{22} : (-0.0, inf)$$

$$\text{symbol } b_1 : [-0.0, inf)$$

$$\text{symbol } b_2 : [-0.0, inf)$$

$$\text{symbol } a_{21} : (-inf, 0.0]$$

$$-c_1 a_{22} + c_2 a_{21} > 0$$

$$a_{11} a_{22} - a_{12} a_{21} > 0$$

$$c_2 a_{11} - c_1 a_{12} > 0$$

$$-3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 + a_{11}^3 a_{22}^3 \geq 0$$

$$-a_{11}^2 a_{22}^2 + 2.00 \cdot a_{12} a_{11} a_{22} a_{21} - a_{12}^2 a_{21}^2 > 0$$

$$c_2 a_{11}^2 a_{22} - c_1 a_{12} a_{11} a_{22} - a_{12} c_2 a_{11} a_{21} + c_1 a_{12}^2 a_{21} \geq 0$$

$$3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + a_{12}^3 a_{21}^3 - a_{11}^3 a_{22}^3 > 0$$

$$a_{11}^3 a_{22}^3 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 > 0$$

$$8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - a_{11}^8 a_{22}^8 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 +$$

$$56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - a_{12}^8 a_{21}^8 \geq 0$$

$$8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - a_{11}^8 a_{22}^8 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 +$$

$$56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - a_{12}^8 a_{21}^8 > 0$$

pot #18:

$$\text{symbol } a_{12} : (-inf, 0.0)$$

$$\text{symbol } c_1 : [-0.0, inf)$$

$$\text{symbol } c_2 : (-inf, 0.0)$$

$$\text{symbol } a_{11} : (-0.0, inf)$$

$$\text{symbol } a_{22} : (-0.0, inf)$$

$$\text{symbol } b_1 : [-0.0, inf)$$

$$\text{symbol } b_2 : -0.0$$

$$\text{symbol } a_{21} : (-inf, 0.0]$$

$$-c_1 a_{22} + c_2 a_{21} > 0$$

$$a_{11} a_{22} - a_{12} a_{21} > 0$$

$$c_2 a_{11} - c_1 a_{12} > 0$$

$$-3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 + a_{11}^3 a_{22}^3 \geq 0$$

$$-a_{11}^2 a_{22}^2 + 2.00 \cdot a_{12} a_{11} a_{22} a_{21} - a_{12}^2 a_{21}^2 > 0$$

$$c_2 a_{11}^2 a_{22} - c_1 a_{12} a_{11} a_{22} - a_{12} c_2 a_{11} a_{21} + c_1 a_{12}^2 a_{21} \geq 0$$

$$3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + a_{12}^3 a_{21}^3 - a_{11}^3 a_{22}^3 > 0$$

$$a_{11}^3 a_{22}^3 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 > 0$$

$$\begin{aligned}
& -8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + a_{11}^8 a_{22}^8 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 - \\
& 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + a_{12}^8 a_{21}^8 \geq 0 \\
& 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - a_{11}^8 a_{22}^8 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 + \\
& 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - a_{12}^8 a_{21}^8 > 0
\end{aligned}$$

pot #19:

symbol a_{12} : $(-inf, 0.0)$

symbol c_1 : $[-0.0, inf)$

symbol c_2 : $(-inf, 0.0)$

symbol a_{11} : $(-0.0, inf)$

symbol a_{22} : $(-0.0, inf)$

symbol b_1 : $[-0.0, inf)$

symbol b_2 : -0.0

symbol a_{21} : $(-inf, 0.0]$

$$-c_1 a_{22} + c_2 a_{21} > 0$$

$$a_{11} a_{22} - a_{12} a_{21} > 0$$

$$c_2 a_{11} - c_1 a_{12} > 0$$

$$-3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 + a_{11}^3 a_{22}^3 \geq 0$$

$$-a_{11}^2 a_{22}^2 + 2.00 \cdot a_{12} a_{11} a_{22} a_{21} - a_{12}^2 a_{21}^2 > 0$$

$$c_2 a_{11}^2 a_{22} - c_1 a_{12} a_{11} a_{22} - a_{12} c_2 a_{11} a_{21} + c_1 a_{12}^2 a_{21} \geq 0$$

$$3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + a_{12}^3 a_{21}^3 - a_{11}^3 a_{22}^3 > 0$$

$$a_{11}^3 a_{22}^3 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 > 0$$

$$\begin{aligned}
& 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - a_{11}^8 a_{22}^8 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 + \\
& 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - a_{12}^8 a_{21}^8 \geq 0
\end{aligned}$$

$$\begin{aligned}
& -8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + a_{11}^8 a_{22}^8 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 - \\
& 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + a_{12}^8 a_{21}^8 > 0
\end{aligned}$$

pot #20:

symbol a_{12} : $(-inf, 0.0)$

symbol c_1 : $[-0.0, inf)$

symbol c_2 : $(-inf, 0.0)$

symbol a_{11} : $(-0.0, inf)$

symbol a_{22} : $(-0.0, inf)$

symbol b_1 : $[-0.0, inf)$

symbol b_2 : $[-0.0, inf)$

symbol a_{21} : $(-inf, 0.0]$

$$-c_1 a_{22} + c_2 a_{21} > 0$$

$$a_{11} a_{22} - a_{12} a_{21} > 0$$

$$c_2 a_{11} - c_1 a_{12} > 0$$

$$-3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 + a_{11}^3 a_{22}^3 \geq 0$$

$$-a_{11}^2 a_{22}^2 + 2.00 \cdot a_{12} a_{11} a_{22} a_{21} - a_{12}^2 a_{21}^2 > 0$$

$$c_2 a_{11}^2 a_{22} - c_1 a_{12} a_{11} a_{22} - a_{12} c_2 a_{11} a_{21} + c_1 a_{12}^2 a_{21} \geq 0$$

$$3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + a_{12}^3 a_{21}^3 - a_{11}^3 a_{22}^3 > 0$$

$$-3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 + a_{11}^3 a_{22}^3 > 0$$

$$\begin{aligned}
& -8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + a_{11}^8 a_{22}^8 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 - \\
& 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + a_{12}^8 a_{21}^8 \geq 0
\end{aligned}$$

$$\begin{aligned}
& -8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + a_{11}^8 a_{22}^8 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 - \\
& 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + a_{12}^8 a_{21}^8 > 0
\end{aligned}$$

pot #21:

symbol a_{12} : $(-inf, 0.0)$

symbol c_1 : $[-0.0, inf)$

symbol c_2 : $(-inf, 0.0)$

symbol $a_{11} : (-0.0, inf)$

symbol $a_{22} : (-0.0, inf)$

symbol $b_1 : [-0.0, inf)$

symbol $b_2 : [-0.0, inf)$

symbol $a_{21} : (-inf, 0.0]$

$$-c_1 a_{22} + c_2 a_{21} > 0$$

$$a_{11} a_{22} - a_{12} a_{21} > 0$$

$$c_2 a_{11} - c_1 a_{12} > 0$$

$$-3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 + a_{11}^3 a_{22}^3 \geq 0$$

$$-a_{11}^2 a_{22}^2 + 2.00 \cdot a_{12} a_{11} a_{22} a_{21} - a_{12}^2 a_{21}^2 > 0$$

$$c_2 a_{11}^2 a_{22} - c_1 a_{12} a_{11} a_{22} - a_{12} c_2 a_{11} a_{21} + c_1 a_{12}^2 a_{21} \geq 0$$

$$3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + a_{12}^3 a_{21}^3 - a_{11}^3 a_{22}^3 > 0$$

$$-3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 + a_{11}^3 a_{22}^3 > 0$$

$$8.00 \cdot a_{12} a_{11}^7 a_{22}^2 a_{21} - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^2 a_{21}^2 + 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^2 a_{21}^3 - a_{11}^8 a_{22}^8 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 +$$

$$56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - a_{12}^8 a_{21}^8 \geq 0$$

$$8.00 \cdot a_{12} a_{11}^7 a_{22}^2 a_{21} - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^2 a_{21}^2 + 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^2 a_{21}^3 - a_{11}^8 a_{22}^8 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 +$$

$$56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - a_{12}^8 a_{21}^8 > 0$$

pot #22:

symbol $a_{12} : (-inf, 0.0)$

symbol $c_1 : [-0.0, inf)$

symbol $c_2 : (-inf, 0.0)$

symbol $a_{11} : (-0.0, inf)$

symbol $a_{22} : (-0.0, inf)$

symbol $b_1 : [-0.0, inf)$

symbol $b_2 : -0.0$

symbol $a_{21} : (-inf, 0.0]$

$$-c_1 a_{22} + c_2 a_{21} > 0$$

$$a_{11} a_{22} - a_{12} a_{21} > 0$$

$$c_2 a_{11} - c_1 a_{12} > 0$$

$$-3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 + a_{11}^3 a_{22}^3 \geq 0$$

$$-a_{11}^2 a_{22}^2 + 2.00 \cdot a_{12} a_{11} a_{22} a_{21} - a_{12}^2 a_{21}^2 > 0$$

$$c_2 a_{11}^2 a_{22} - c_1 a_{12} a_{11} a_{22} - a_{12} c_2 a_{11} a_{21} + c_1 a_{12}^2 a_{21} \geq 0$$

$$3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + a_{12}^3 a_{21}^3 - a_{11}^3 a_{22}^3 > 0$$

$$-3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 + a_{11}^3 a_{22}^3 > 0$$

$$-8.00 \cdot a_{12} a_{11}^7 a_{22}^2 a_{21} + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^2 a_{21}^2 - 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^2 a_{21}^3 + a_{11}^8 a_{22}^8 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 -$$

$$56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + a_{12}^8 a_{21}^8 \geq 0$$

$$8.00 \cdot a_{12} a_{11}^7 a_{22}^2 a_{21} - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^2 a_{21}^2 + 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^2 a_{21}^3 - a_{11}^8 a_{22}^8 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 +$$

$$56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - a_{12}^8 a_{21}^8 > 0$$

pot #23:

symbol $a_{12} : (-inf, 0.0)$

symbol $c_1 : [-0.0, inf)$

symbol $c_2 : (-inf, 0.0)$

symbol $a_{11} : (-0.0, inf)$

symbol $a_{22} : (-0.0, inf)$

symbol $b_1 : [-0.0, inf)$

symbol $b_2 : -0.0$

symbol $a_{21} : (-inf, 0.0]$

$$-c_1 a_{22} + c_2 a_{21} > 0$$

$$a_{11} a_{22} - a_{12} a_{21} > 0$$

$$c_2 a_{11} - c_1 a_{12} > 0$$

$$\begin{aligned}
& -3.00 \cdot a_{12}a_{11}^2a_{22}a_{21} + 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 - a_{12}^3a_{21}^3 + a_{11}^3a_{22}^3 \geq 0 \\
& -a_{11}^2a_{22}^2 + 2.00 \cdot a_{12}a_{11}a_{22}a_{21} - a_{12}^2a_{21}^2 > 0 \\
& c_2a_{11}^2a_{22} - c_1a_{12}a_{11}a_{22} - a_{12}c_2a_{11}a_{21} + c_1a_{12}^2a_{21} \geq 0 \\
& 3.00 \cdot a_{12}a_{11}^2a_{22}a_{21} - 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 + a_{12}^3a_{21}^3 - a_{11}^3a_{22}^3 > 0 \\
& -3.00 \cdot a_{12}a_{11}^2a_{22}a_{21} + 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 - a_{12}^3a_{21}^3 + a_{11}^3a_{22}^3 > 0 \\
& 8.00 \cdot a_{12}a_{11}^7a_{22}a_{21} - 28.00 \cdot a_{12}^2a_{11}^6a_{22}a_{21}^2 + 56.00 \cdot a_{12}^3a_{11}^5a_{22}a_{21}^3 - a_{11}^8a_{22}^8 - 70.00 \cdot a_{12}^4a_{11}^4a_{22}^4a_{21}^4 + \\
& 56.00 \cdot a_{12}^5a_{11}^3a_{22}^3a_{21}^5 - 28.00 \cdot a_{12}^6a_{11}^2a_{22}^2a_{21}^6 + 8.00 \cdot a_{12}^7a_{11}a_{22}a_{21}^7 - a_{12}^8a_{21}^8 \geq 0 \\
& -8.00 \cdot a_{12}a_{11}^7a_{22}a_{21} + 28.00 \cdot a_{12}^2a_{11}^6a_{22}a_{21}^2 - 56.00 \cdot a_{12}^3a_{11}^5a_{22}a_{21}^3 + a_{11}^8a_{22}^8 + 70.00 \cdot a_{12}^4a_{11}^4a_{22}^4a_{21}^4 - \\
& 56.00 \cdot a_{12}^5a_{11}^3a_{22}^3a_{21}^5 + 28.00 \cdot a_{12}^6a_{11}^2a_{22}^2a_{21}^6 - 8.00 \cdot a_{12}^7a_{11}a_{22}a_{21}^7 + a_{12}^8a_{21}^8 > 0
\end{aligned}$$

pot #24:

symbol a_{12} : $(-inf, 0.0)$

symbol c_1 : $[-0.0, inf)$

symbol c_2 : $(-inf, 0.0)$

symbol a_{11} : $(-0.0, inf)$

symbol a_{22} : $(-0.0, inf)$

symbol b_1 : $[-0.0, inf)$

symbol b_2 : $[-0.0, inf)$

symbol a_{21} : $(-inf, 0.0]$

$$-c_1a_{22} + c_2a_{21} > 0$$

$$a_{11}a_{22} - a_{12}a_{21} > 0$$

$$c_2a_{11} - c_1a_{12} > 0$$

$$-3.00 \cdot a_{12}a_{11}^2a_{22}a_{21} + 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 - a_{12}^3a_{21}^3 + a_{11}^3a_{22}^3 \geq 0$$

$$-a_{11}^2a_{22}^2 + 2.00 \cdot a_{12}a_{11}a_{22}a_{21} - a_{12}^2a_{21}^2 > 0$$

$$c_2a_{11}^2a_{22} - c_1a_{12}a_{11}a_{22} - a_{12}c_2a_{11}a_{21} + c_1a_{12}^2a_{21} \geq 0$$

$$-3.00 \cdot a_{12}a_{11}^2a_{22}a_{21} + 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 - a_{12}^3a_{21}^3 + a_{11}^3a_{22}^3 > 0$$

$$3.00 \cdot a_{12}a_{11}^2a_{22}a_{21} - 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 + a_{12}^3a_{21}^3 - a_{11}^3a_{22}^3 > 0$$

$$-8.00 \cdot a_{12}a_{11}^7a_{22}a_{21} + 28.00 \cdot a_{12}^2a_{11}^6a_{22}a_{21}^2 - 56.00 \cdot a_{12}^3a_{11}^5a_{22}a_{21}^3 + a_{11}^8a_{22}^8 + 70.00 \cdot a_{12}^4a_{11}^4a_{22}^4a_{21}^4 -$$

$$56.00 \cdot a_{12}^5a_{11}^3a_{22}^3a_{21}^5 + 28.00 \cdot a_{12}^6a_{11}^2a_{22}^2a_{21}^6 - 8.00 \cdot a_{12}^7a_{11}a_{22}a_{21}^7 + a_{12}^8a_{21}^8 \geq 0$$

$$-8.00 \cdot a_{12}a_{11}^7a_{22}a_{21} + 28.00 \cdot a_{12}^2a_{11}^6a_{22}a_{21}^2 - 56.00 \cdot a_{12}^3a_{11}^5a_{22}a_{21}^3 + a_{11}^8a_{22}^8 + 70.00 \cdot a_{12}^4a_{11}^4a_{22}^4a_{21}^4 -$$

$$56.00 \cdot a_{12}^5a_{11}^3a_{22}^3a_{21}^5 + 28.00 \cdot a_{12}^6a_{11}^2a_{22}^2a_{21}^6 - 8.00 \cdot a_{12}^7a_{11}a_{22}a_{21}^7 + a_{12}^8a_{21}^8 > 0$$

pot #25:

symbol a_{12} : $(-inf, 0.0)$

symbol c_1 : $[-0.0, inf)$

symbol c_2 : $(-inf, 0.0)$

symbol a_{11} : $(-0.0, inf)$

symbol a_{22} : $(-0.0, inf)$

symbol b_1 : $[-0.0, inf)$

symbol b_2 : $[-0.0, inf)$

symbol a_{21} : $(-inf, 0.0]$

$$-c_1a_{22} + c_2a_{21} > 0$$

$$a_{11}a_{22} - a_{12}a_{21} > 0$$

$$c_2a_{11} - c_1a_{12} > 0$$

$$-3.00 \cdot a_{12}a_{11}^2a_{22}a_{21} + 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 - a_{12}^3a_{21}^3 + a_{11}^3a_{22}^3 \geq 0$$

$$-a_{11}^2a_{22}^2 + 2.00 \cdot a_{12}a_{11}a_{22}a_{21} - a_{12}^2a_{21}^2 > 0$$

$$c_2a_{11}^2a_{22} - c_1a_{12}a_{11}a_{22} - a_{12}c_2a_{11}a_{21} + c_1a_{12}^2a_{21} \geq 0$$

$$-3.00 \cdot a_{12}a_{11}^2a_{22}a_{21} + 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 - a_{12}^3a_{21}^3 + a_{11}^3a_{22}^3 > 0$$

$$3.00 \cdot a_{12}a_{11}^2a_{22}a_{21} - 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 + a_{12}^3a_{21}^3 - a_{11}^3a_{22}^3 > 0$$

$$8.00 \cdot a_{12}a_{11}^7a_{22}a_{21} - 28.00 \cdot a_{12}^2a_{11}^6a_{22}a_{21}^2 + 56.00 \cdot a_{12}^3a_{11}^5a_{22}a_{21}^3 - a_{11}^8a_{22}^8 - 70.00 \cdot a_{12}^4a_{11}^4a_{22}^4a_{21}^4 +$$

$$56.00 \cdot a_{12}^5a_{11}^3a_{22}^3a_{21}^5 - 28.00 \cdot a_{12}^6a_{11}^2a_{22}^2a_{21}^6 + 8.00 \cdot a_{12}^7a_{11}a_{22}a_{21}^7 - a_{12}^8a_{21}^8 \geq 0$$

$$8.00 \cdot a_{12}a_{11}^7a_{22}a_{21} - 28.00 \cdot a_{12}^2a_{11}^6a_{22}a_{21}^2 + 56.00 \cdot a_{12}^3a_{11}^5a_{22}a_{21}^3 - a_{11}^8a_{22}^8 - 70.00 \cdot a_{12}^4a_{11}^4a_{22}^4a_{21}^4 +$$

$$56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - a_{12}^8 a_{21}^8 > 0$$

pot #26:

symbol $a_{12} : (-inf, 0.0)$

symbol $c_1 : [-0.0, inf)$

symbol $c_2 : (-inf, 0.0)$

symbol $a_{11} : (-0.0, inf)$

symbol $a_{22} : (-0.0, inf)$

symbol $b_1 : [-0.0, inf)$

symbol $b_2 : -0.0$

symbol $a_{21} : (-inf, 0.0]$

$$-c_1 a_{22} + c_2 a_{21} > 0$$

$$a_{11} a_{22} - a_{12} a_{21} > 0$$

$$c_2 a_{11} - c_1 a_{12} > 0$$

$$-3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 + a_{11}^3 a_{22}^3 \geq 0$$

$$-a_{11}^2 a_{22}^2 + 2.00 \cdot a_{12} a_{11} a_{22} a_{21} - a_{12}^2 a_{21}^2 > 0$$

$$c_2 a_{11}^2 a_{22} - c_1 a_{12} a_{11} a_{22} - a_{12} c_2 a_{11} a_{21} + c_1 a_{12}^2 a_{21} \geq 0$$

$$-3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 + a_{11}^3 a_{22}^3 > 0$$

$$3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + a_{12}^3 a_{21}^3 - a_{11}^3 a_{22}^3 > 0$$

$$-8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + a_{11}^8 a_{22}^8 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 -$$

$$56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + a_{12}^8 a_{21}^8 \geq 0$$

$$8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - a_{11}^8 a_{22}^8 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 +$$

$$56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - a_{12}^8 a_{21}^8 > 0$$

pot #27:

symbol $a_{12} : (-inf, 0.0)$

symbol $c_1 : [-0.0, inf)$

symbol $c_2 : (-inf, 0.0)$

symbol $a_{11} : (-0.0, inf)$

symbol $a_{22} : (-0.0, inf)$

symbol $b_1 : [-0.0, inf)$

symbol $b_2 : -0.0$

symbol $a_{21} : (-inf, 0.0]$

$$-c_1 a_{22} + c_2 a_{21} > 0$$

$$a_{11} a_{22} - a_{12} a_{21} > 0$$

$$c_2 a_{11} - c_1 a_{12} > 0$$

$$-3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 + a_{11}^3 a_{22}^3 \geq 0$$

$$-a_{11}^2 a_{22}^2 + 2.00 \cdot a_{12} a_{11} a_{22} a_{21} - a_{12}^2 a_{21}^2 > 0$$

$$c_2 a_{11}^2 a_{22} - c_1 a_{12} a_{11} a_{22} - a_{12} c_2 a_{11} a_{21} + c_1 a_{12}^2 a_{21} \geq 0$$

$$-3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 + a_{11}^3 a_{22}^3 > 0$$

$$3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + a_{12}^3 a_{21}^3 - a_{11}^3 a_{22}^3 > 0$$

$$8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - a_{11}^8 a_{22}^8 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 +$$

$$56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - a_{12}^8 a_{21}^8 \geq 0$$

$$-8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + a_{11}^8 a_{22}^8 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 -$$

$$56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + a_{12}^8 a_{21}^8 > 0$$

pot #28:

symbol $a_{12} : (-inf, 0.0)$

symbol $c_1 : [-0.0, inf)$

symbol $c_2 : (-inf, 0.0)$

symbol $a_{11} : (-0.0, inf)$

symbol $a_{22} : (-0.0, inf)$

symbol $b_1 : [-0.0, inf)$

symbol $b_2 : [-0.0, inf)$

symbol $a_{21} : (-inf, 0.0]$

$$-c_1 a_{22} + c_2 a_{21} > 0$$

$$a_{11} a_{22} - a_{12} a_{21} > 0$$

$$c_2 a_{11} - c_1 a_{12} > 0$$

$$-3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 + a_{11}^3 a_{22}^3 \geq 0$$

$$-a_{11}^2 a_{22}^2 + 2.00 \cdot a_{12} a_{11} a_{22} a_{21} - a_{12}^2 a_{21}^2 > 0$$

$$c_2 a_{11}^2 a_{22} - c_1 a_{12} a_{11} a_{22} - a_{12} c_2 a_{11} a_{21} + c_1 a_{12}^2 a_{21} \geq 0$$

$$-3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 + a_{11}^3 a_{22}^3 > 0$$

$$-a_{11}^3 a_{22}^3 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + a_{12}^3 a_{21}^3 > 0$$

$$-8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + a_{11}^8 a_{22}^8 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 -$$

$$56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + a_{12}^8 a_{21}^8 \geq 0$$

$$-8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + a_{11}^8 a_{22}^8 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 -$$

$$56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + a_{12}^8 a_{21}^8 > 0$$

pot #29:

symbol $a_{12} : (-inf, 0.0)$

symbol $c_1 : [-0.0, inf)$

symbol $c_2 : (-inf, 0.0)$

symbol $a_{11} : (-0.0, inf)$

symbol $a_{22} : (-0.0, inf)$

symbol $b_1 : [-0.0, inf)$

symbol $b_2 : [-0.0, inf)$

symbol $a_{21} : (-inf, 0.0]$

$$-c_1 a_{22} + c_2 a_{21} > 0$$

$$a_{11} a_{22} - a_{12} a_{21} > 0$$

$$c_2 a_{11} - c_1 a_{12} > 0$$

$$-3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 + a_{11}^3 a_{22}^3 \geq 0$$

$$-a_{11}^2 a_{22}^2 + 2.00 \cdot a_{12} a_{11} a_{22} a_{21} - a_{12}^2 a_{21}^2 > 0$$

$$c_2 a_{11}^2 a_{22} - c_1 a_{12} a_{11} a_{22} - a_{12} c_2 a_{11} a_{21} + c_1 a_{12}^2 a_{21} \geq 0$$

$$-3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 + a_{11}^3 a_{22}^3 > 0$$

$$-a_{11}^3 a_{22}^3 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + a_{12}^3 a_{21}^3 > 0$$

$$8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - a_{11}^8 a_{22}^8 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 +$$

$$56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - a_{12}^8 a_{21}^8 \geq 0$$

$$8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - a_{11}^8 a_{22}^8 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 +$$

$$56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - a_{12}^8 a_{21}^8 > 0$$

pot #30:

symbol $a_{12} : (-inf, 0.0)$

symbol $c_1 : [-0.0, inf)$

symbol $c_2 : (-inf, 0.0)$

symbol $a_{11} : (-0.0, inf)$

symbol $a_{22} : (-0.0, inf)$

symbol $b_1 : [-0.0, inf)$

symbol $b_2 : -0.0$

symbol $a_{21} : (-inf, 0.0]$

$$-c_1 a_{22} + c_2 a_{21} > 0$$

$$a_{11} a_{22} - a_{12} a_{21} > 0$$

$$c_2 a_{11} - c_1 a_{12} > 0$$

$$-3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 + a_{11}^3 a_{22}^3 \geq 0$$

$$-a_{11}^2 a_{22}^2 + 2.00 \cdot a_{12} a_{11} a_{22} a_{21} - a_{12}^2 a_{21}^2 > 0$$

$$c_2 a_{11}^2 a_{22} - c_1 a_{12} a_{11} a_{22} - a_{12} c_2 a_{11} a_{21} + c_1 a_{12}^2 a_{21} \geq 0$$

$$\begin{aligned}
& -3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} + 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 - a_{12}^3a_{21}^3 + a_{11}^3a_{22}^3 > 0 \\
& -a_{11}^3a_{22}^3 + 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} - 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 + a_{12}^3a_{21}^3 > 0 \\
& -8.00 \cdot a_{12}a_{11}^7a_{22}^7a_{21} + 28.00 \cdot a_{12}^2a_{11}^6a_{22}^6a_{21}^2 - 56.00 \cdot a_{12}^3a_{11}^5a_{22}^5a_{21}^3 + a_{11}^8a_{22}^8 + 70.00 \cdot a_{12}^4a_{11}^4a_{22}^4a_{21}^4 - \\
& 56.00 \cdot a_{12}^5a_{11}^3a_{22}^3a_{21}^5 + 28.00 \cdot a_{12}^6a_{11}^2a_{22}^2a_{21}^6 - 8.00 \cdot a_{12}^7a_{11}a_{22}a_{21}^7 + a_{12}^8a_{21}^8 \geq 0 \\
& 8.00 \cdot a_{12}a_{11}^7a_{22}^7a_{21} - 28.00 \cdot a_{12}^2a_{11}^6a_{22}^6a_{21}^2 + 56.00 \cdot a_{12}^3a_{11}^5a_{22}^5a_{21}^3 - a_{11}^8a_{22}^8 - 70.00 \cdot a_{12}^4a_{11}^4a_{22}^4a_{21}^4 + \\
& 56.00 \cdot a_{12}^5a_{11}^3a_{22}^3a_{21}^5 - 28.00 \cdot a_{12}^6a_{11}^2a_{22}^2a_{21}^6 + 8.00 \cdot a_{12}^7a_{11}a_{22}a_{21}^7 - a_{12}^8a_{21}^8 > 0
\end{aligned}$$

pot #31:

symbol a_{12} : $(-inf, 0.0)$

symbol c_1 : $[-0.0, inf)$

symbol c_2 : $(-inf, 0.0)$

symbol a_{11} : $(-0.0, inf)$

symbol a_{22} : $(-0.0, inf)$

symbol b_1 : $[-0.0, inf)$

symbol b_2 : -0.0

symbol a_{21} : $(-inf, 0.0]$

$$-c_1a_{22} + c_2a_{21} > 0$$

$$a_{11}a_{22} - a_{12}a_{21} > 0$$

$$c_2a_{11} - c_1a_{12} > 0$$

$$-3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} + 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 - a_{12}^3a_{21}^3 + a_{11}^3a_{22}^3 \geq 0$$

$$-a_{11}^2a_{22}^2 + 2.00 \cdot a_{12}a_{11}a_{22}a_{21} - a_{12}^2a_{21}^2 > 0$$

$$c_2a_{11}^2a_{22} - c_1a_{12}a_{11}a_{22} - a_{12}c_2a_{11}a_{21} + c_1a_{12}^2a_{21} \geq 0$$

$$-3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} + 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 - a_{12}^3a_{21}^3 + a_{11}^3a_{22}^3 > 0$$

$$-a_{11}^3a_{22}^3 + 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} - 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 + a_{12}^3a_{21}^3 > 0$$

$$8.00 \cdot a_{12}a_{11}^7a_{22}^7a_{21} - 28.00 \cdot a_{12}^2a_{11}^6a_{22}^6a_{21}^2 + 56.00 \cdot a_{12}^3a_{11}^5a_{22}^5a_{21}^3 - a_{11}^8a_{22}^8 - 70.00 \cdot a_{12}^4a_{11}^4a_{22}^4a_{21}^4 +$$

$$56.00 \cdot a_{12}^5a_{11}^3a_{22}^3a_{21}^5 - 28.00 \cdot a_{12}^6a_{11}^2a_{22}^2a_{21}^6 + 8.00 \cdot a_{12}^7a_{11}a_{22}a_{21}^7 - a_{12}^8a_{21}^8 \geq 0$$

$$-8.00 \cdot a_{12}a_{11}^7a_{22}^7a_{21} + 28.00 \cdot a_{12}^2a_{11}^6a_{22}^6a_{21}^2 - 56.00 \cdot a_{12}^3a_{11}^5a_{22}^5a_{21}^3 + a_{11}^8a_{22}^8 + 70.00 \cdot a_{12}^4a_{11}^4a_{22}^4a_{21}^4 -$$

$$56.00 \cdot a_{12}^5a_{11}^3a_{22}^3a_{21}^5 + 28.00 \cdot a_{12}^6a_{11}^2a_{22}^2a_{21}^6 - 8.00 \cdot a_{12}^7a_{11}a_{22}a_{21}^7 + a_{12}^8a_{21}^8 > 0$$

pot #32:

symbol a_{12} : $(-inf, 0.0)$

symbol c_1 : $[-0.0, inf)$

symbol c_2 : $(-inf, 0.0)$

symbol a_{11} : $(-0.0, inf)$

symbol a_{22} : $(-0.0, inf)$

symbol b_1 : -0.0

symbol b_2 : $[-0.0, inf)$

symbol a_{21} : $(-inf, 0.0]$

$$-c_1a_{22} + c_2a_{21} > 0$$

$$a_{11}a_{22} - a_{12}a_{21} > 0$$

$$c_2a_{11} - c_1a_{12} > 0$$

$$3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} - 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 + a_{12}^3a_{21}^3 - a_{11}^3a_{22}^3 \geq 0$$

$$-a_{11}^2a_{22}^2 + 2.00 \cdot a_{12}a_{11}a_{22}a_{21} - a_{12}^2a_{21}^2 > 0$$

$$c_2a_{11}^2a_{22} - c_1a_{12}a_{11}a_{22} - a_{12}c_2a_{11}a_{21} + c_1a_{12}^2a_{21} \geq 0$$

$$3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} - 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 + a_{12}^3a_{21}^3 - a_{11}^3a_{22}^3 > 0$$

$$a_{11}^3a_{22}^3 - 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} + 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 - a_{12}^3a_{21}^3 > 0$$

$$-8.00 \cdot a_{12}a_{11}^7a_{22}^7a_{21} + 28.00 \cdot a_{12}^2a_{11}^6a_{22}^6a_{21}^2 - 56.00 \cdot a_{12}^3a_{11}^5a_{22}^5a_{21}^3 + a_{11}^8a_{22}^8 + 70.00 \cdot a_{12}^4a_{11}^4a_{22}^4a_{21}^4 -$$

$$56.00 \cdot a_{12}^5a_{11}^3a_{22}^3a_{21}^5 + 28.00 \cdot a_{12}^6a_{11}^2a_{22}^2a_{21}^6 - 8.00 \cdot a_{12}^7a_{11}a_{22}a_{21}^7 + a_{12}^8a_{21}^8 \geq 0$$

$$-8.00 \cdot a_{12}a_{11}^7a_{22}^7a_{21} + 28.00 \cdot a_{12}^2a_{11}^6a_{22}^6a_{21}^2 - 56.00 \cdot a_{12}^3a_{11}^5a_{22}^5a_{21}^3 + a_{11}^8a_{22}^8 + 70.00 \cdot a_{12}^4a_{11}^4a_{22}^4a_{21}^4 -$$

$$56.00 \cdot a_{12}^5a_{11}^3a_{22}^3a_{21}^5 + 28.00 \cdot a_{12}^6a_{11}^2a_{22}^2a_{21}^6 - 8.00 \cdot a_{12}^7a_{11}a_{22}a_{21}^7 + a_{12}^8a_{21}^8 > 0$$

pot #33:

symbol a_{12} : $(-inf, 0.0)$

symbol $c_1 : [-0.0, inf)$
 symbol $c_2 : (-inf, 0.0)$
 symbol $a_{11} : (-0.0, inf)$
 symbol $a_{22} : (-0.0, inf)$
 symbol $b_1 : -0.0$
 symbol $b_2 : [-0.0, inf)$
 symbol $a_{21} : (-inf, 0.0]$
 $-c_1 a_{22} + c_2 a_{21} > 0$
 $a_{11} a_{22} - a_{12} a_{21} > 0$
 $c_2 a_{11} - c_1 a_{12} > 0$
 $3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + a_{12}^3 a_{21}^3 - a_{11}^3 a_{22}^3 \geq 0$
 $-a_{11}^2 a_{22}^2 + 2.00 \cdot a_{12} a_{11} a_{22} a_{21} - a_{12}^2 a_{21}^2 > 0$
 $c_2 a_{11}^2 a_{22} - c_1 a_{12} a_{11} a_{22} - a_{12} c_2 a_{11} a_{21} + c_1 a_{12}^2 a_{21} \geq 0$
 $3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + a_{12}^3 a_{21}^3 - a_{11}^3 a_{22}^3 > 0$
 $a_{11}^3 a_{22}^3 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 > 0$
 $8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - a_{11}^8 a_{22}^8 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 +$
 $56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - a_{12}^8 a_{21}^8 \geq 0$
 $8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - a_{11}^8 a_{22}^8 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 +$
 $56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - a_{12}^8 a_{21}^8 > 0$
 pot #34:
 symbol $a_{12} : (-inf, 0.0)$
 symbol $c_1 : [-0.0, inf)$
 symbol $c_2 : (-inf, 0.0)$
 symbol $a_{11} : (-0.0, inf)$
 symbol $a_{22} : (-0.0, inf)$
 symbol $b_1 : -0.0$
 symbol $b_2 : -0.0$
 symbol $a_{21} : (-inf, 0.0]$
 $-c_1 a_{22} + c_2 a_{21} > 0$
 $a_{11} a_{22} - a_{12} a_{21} > 0$
 $c_2 a_{11} - c_1 a_{12} > 0$
 $3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + a_{12}^3 a_{21}^3 - a_{11}^3 a_{22}^3 \geq 0$
 $-a_{11}^2 a_{22}^2 + 2.00 \cdot a_{12} a_{11} a_{22} a_{21} - a_{12}^2 a_{21}^2 > 0$
 $c_2 a_{11}^2 a_{22} - c_1 a_{12} a_{11} a_{22} - a_{12} c_2 a_{11} a_{21} + c_1 a_{12}^2 a_{21} \geq 0$
 $3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + a_{12}^3 a_{21}^3 - a_{11}^3 a_{22}^3 > 0$
 $a_{11}^3 a_{22}^3 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 > 0$
 $-8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + a_{11}^8 a_{22}^8 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 -$
 $56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + a_{12}^8 a_{21}^8 \geq 0$
 $8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - a_{11}^8 a_{22}^8 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 +$
 $56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - a_{12}^8 a_{21}^8 > 0$
 pot #35:
 symbol $a_{12} : (-inf, 0.0)$
 symbol $c_1 : [-0.0, inf)$
 symbol $c_2 : (-inf, 0.0)$
 symbol $a_{11} : (-0.0, inf)$
 symbol $a_{22} : (-0.0, inf)$
 symbol $b_1 : -0.0$
 symbol $b_2 : -0.0$
 symbol $a_{21} : (-inf, 0.0]$
 $-c_1 a_{22} + c_2 a_{21} > 0$

$$a_{11}a_{22} - a_{12}a_{21} > 0$$

$$c_2a_{11} - c_1a_{12} > 0$$

$$3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} - 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 + a_{12}^3a_{21}^3 - a_{11}^3a_{22}^3 \geq 0$$

$$-a_{11}^2a_{22}^2 + 2.00 \cdot a_{12}a_{11}a_{22}a_{21} - a_{12}^2a_{21}^2 > 0$$

$$c_2a_{11}^2a_{22} - c_1a_{12}a_{11}a_{22} - a_{12}c_2a_{11}a_{21} + c_1a_{12}^2a_{21} \geq 0$$

$$3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} - 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 + a_{12}^3a_{21}^3 - a_{11}^3a_{22}^3 > 0$$

$$a_{11}^3a_{22}^3 - 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} + 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 - a_{12}^3a_{21}^3 > 0$$

$$8.00 \cdot a_{12}a_{11}^7a_{22}^7a_{21} - 28.00 \cdot a_{12}^2a_{11}^6a_{22}^6a_{21}^2 + 56.00 \cdot a_{12}^3a_{11}^5a_{22}^5a_{21}^3 - a_{11}^8a_{22}^8 - 70.00 \cdot a_{12}^4a_{11}^4a_{22}^4a_{21}^4 +$$

$$56.00 \cdot a_{12}^5a_{11}^3a_{22}^3a_{21}^5 - 28.00 \cdot a_{12}^6a_{11}^2a_{22}^2a_{21}^6 + 8.00 \cdot a_{12}^7a_{11}a_{22}a_{21}^7 - a_{12}^8a_{21}^8 \geq 0$$

$$-8.00 \cdot a_{12}a_{11}^7a_{22}^7a_{21} + 28.00 \cdot a_{12}^2a_{11}^6a_{22}^6a_{21}^2 - 56.00 \cdot a_{12}^3a_{11}^5a_{22}^5a_{21}^3 + a_{11}^8a_{22}^8 + 70.00 \cdot a_{12}^4a_{11}^4a_{22}^4a_{21}^4 -$$

$$56.00 \cdot a_{12}^5a_{11}^3a_{22}^3a_{21}^5 + 28.00 \cdot a_{12}^6a_{11}^2a_{22}^2a_{21}^6 - 8.00 \cdot a_{12}^7a_{11}a_{22}a_{21}^7 + a_{12}^8a_{21}^8 > 0$$

pot #36:

symbol a_{12} : $(-inf, 0.0)$

symbol c_1 : $[-0.0, inf)$

symbol c_2 : $(-inf, 0.0)$

symbol a_{11} : $(-0.0, inf)$

symbol a_{22} : $(-0.0, inf)$

symbol b_1 : -0.0

symbol b_2 : $[-0.0, inf)$

symbol a_{21} : $(-inf, 0.0]$

$$-c_1a_{22} + c_2a_{21} > 0$$

$$a_{11}a_{22} - a_{12}a_{21} > 0$$

$$c_2a_{11} - c_1a_{12} > 0$$

$$3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} - 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 + a_{12}^3a_{21}^3 - a_{11}^3a_{22}^3 \geq 0$$

$$-a_{11}^2a_{22}^2 + 2.00 \cdot a_{12}a_{11}a_{22}a_{21} - a_{12}^2a_{21}^2 > 0$$

$$c_2a_{11}^2a_{22} - c_1a_{12}a_{11}a_{22} - a_{12}c_2a_{11}a_{21} + c_1a_{12}^2a_{21} \geq 0$$

$$3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} - 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 + a_{12}^3a_{21}^3 - a_{11}^3a_{22}^3 > 0$$

$$-3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} + 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 - a_{12}^3a_{21}^3 + a_{11}^3a_{22}^3 > 0$$

$$-8.00 \cdot a_{12}a_{11}^7a_{22}^7a_{21} + 28.00 \cdot a_{12}^2a_{11}^6a_{22}^6a_{21}^2 - 56.00 \cdot a_{12}^3a_{11}^5a_{22}^5a_{21}^3 + a_{11}^8a_{22}^8 + 70.00 \cdot a_{12}^4a_{11}^4a_{22}^4a_{21}^4 -$$

$$56.00 \cdot a_{12}^5a_{11}^3a_{22}^3a_{21}^5 + 28.00 \cdot a_{12}^6a_{11}^2a_{22}^2a_{21}^6 - 8.00 \cdot a_{12}^7a_{11}a_{22}a_{21}^7 + a_{12}^8a_{21}^8 \geq 0$$

$$-8.00 \cdot a_{12}a_{11}^7a_{22}^7a_{21} + 28.00 \cdot a_{12}^2a_{11}^6a_{22}^6a_{21}^2 - 56.00 \cdot a_{12}^3a_{11}^5a_{22}^5a_{21}^3 + a_{11}^8a_{22}^8 + 70.00 \cdot a_{12}^4a_{11}^4a_{22}^4a_{21}^4 -$$

$$56.00 \cdot a_{12}^5a_{11}^3a_{22}^3a_{21}^5 + 28.00 \cdot a_{12}^6a_{11}^2a_{22}^2a_{21}^6 - 8.00 \cdot a_{12}^7a_{11}a_{22}a_{21}^7 + a_{12}^8a_{21}^8 > 0$$

pot #37:

symbol a_{12} : $(-inf, 0.0)$

symbol c_1 : $[-0.0, inf)$

symbol c_2 : $(-inf, 0.0)$

symbol a_{11} : $(-0.0, inf)$

symbol a_{22} : $(-0.0, inf)$

symbol b_1 : -0.0

symbol b_2 : $[-0.0, inf)$

symbol a_{21} : $(-inf, 0.0]$

$$-c_1a_{22} + c_2a_{21} > 0$$

$$a_{11}a_{22} - a_{12}a_{21} > 0$$

$$c_2a_{11} - c_1a_{12} > 0$$

$$3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} - 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 + a_{12}^3a_{21}^3 - a_{11}^3a_{22}^3 \geq 0$$

$$-a_{11}^2a_{22}^2 + 2.00 \cdot a_{12}a_{11}a_{22}a_{21} - a_{12}^2a_{21}^2 > 0$$

$$c_2a_{11}^2a_{22} - c_1a_{12}a_{11}a_{22} - a_{12}c_2a_{11}a_{21} + c_1a_{12}^2a_{21} \geq 0$$

$$3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} - 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 + a_{12}^3a_{21}^3 - a_{11}^3a_{22}^3 > 0$$

$$-3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} + 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 - a_{12}^3a_{21}^3 + a_{11}^3a_{22}^3 > 0$$

$$8.00 \cdot a_{12}a_{11}^7a_{22}^7a_{21} - 28.00 \cdot a_{12}^2a_{11}^6a_{22}^6a_{21}^2 + 56.00 \cdot a_{12}^3a_{11}^5a_{22}^5a_{21}^3 - a_{11}^8a_{22}^8 - 70.00 \cdot a_{12}^4a_{11}^4a_{22}^4a_{21}^4 +$$

$$\begin{aligned}
&56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - a_{12}^8 a_{21}^8 \geq 0 \\
&8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - a_{11}^8 a_{22}^8 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 + \\
&56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - a_{12}^8 a_{21}^8 > 0
\end{aligned}$$

pot #38:

symbol a_{12} : $(-inf, 0.0)$

symbol c_1 : $[-0.0, inf)$

symbol c_2 : $(-inf, 0.0)$

symbol a_{11} : $(-0.0, inf)$

symbol a_{22} : $(-0.0, inf)$

symbol b_1 : -0.0

symbol b_2 : -0.0

symbol a_{21} : $(-inf, 0.0]$

$$-c_1 a_{22} + c_2 a_{21} > 0$$

$$a_{11} a_{22} - a_{12} a_{21} > 0$$

$$c_2 a_{11} - c_1 a_{12} > 0$$

$$3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + a_{12}^3 a_{21}^3 - a_{11}^3 a_{22}^3 \geq 0$$

$$-a_{11}^2 a_{22}^2 + 2.00 \cdot a_{12} a_{11} a_{22} a_{21} - a_{12}^2 a_{21}^2 > 0$$

$$c_2 a_{11}^2 a_{22} - c_1 a_{12} a_{11} a_{22} - a_{12} c_2 a_{11} a_{21} + c_1 a_{12}^2 a_{21} \geq 0$$

$$3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + a_{12}^3 a_{21}^3 - a_{11}^3 a_{22}^3 > 0$$

$$-3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 + a_{11}^3 a_{22}^3 > 0$$

$$-8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + a_{11}^8 a_{22}^8 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 -$$

$$56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + a_{12}^8 a_{21}^8 \geq 0$$

$$8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - a_{11}^8 a_{22}^8 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 +$$

$$56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - a_{12}^8 a_{21}^8 > 0$$

pot #39:

symbol a_{12} : $(-inf, 0.0)$

symbol c_1 : $[-0.0, inf)$

symbol c_2 : $(-inf, 0.0)$

symbol a_{11} : $(-0.0, inf)$

symbol a_{22} : $(-0.0, inf)$

symbol b_1 : -0.0

symbol b_2 : -0.0

symbol a_{21} : $(-inf, 0.0]$

$$-c_1 a_{22} + c_2 a_{21} > 0$$

$$a_{11} a_{22} - a_{12} a_{21} > 0$$

$$c_2 a_{11} - c_1 a_{12} > 0$$

$$3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + a_{12}^3 a_{21}^3 - a_{11}^3 a_{22}^3 \geq 0$$

$$-a_{11}^2 a_{22}^2 + 2.00 \cdot a_{12} a_{11} a_{22} a_{21} - a_{12}^2 a_{21}^2 > 0$$

$$c_2 a_{11}^2 a_{22} - c_1 a_{12} a_{11} a_{22} - a_{12} c_2 a_{11} a_{21} + c_1 a_{12}^2 a_{21} \geq 0$$

$$3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + a_{12}^3 a_{21}^3 - a_{11}^3 a_{22}^3 > 0$$

$$-3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 + a_{11}^3 a_{22}^3 > 0$$

$$8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - a_{11}^8 a_{22}^8 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 +$$

$$56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - a_{12}^8 a_{21}^8 \geq 0$$

$$-8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + a_{11}^8 a_{22}^8 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 -$$

$$56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + a_{12}^8 a_{21}^8 > 0$$

pot #40:

symbol a_{12} : $(-inf, 0.0)$

symbol c_1 : $[-0.0, inf)$

symbol c_2 : $(-inf, 0.0)$

symbol a_{11} : $(-0.0, inf)$

symbol $a_{22} : (-0.0, inf)$

symbol $b_1 : -0.0$

symbol $b_2 : [-0.0, inf)$

symbol $a_{21} : (-inf, 0.0]$

$$-c_1 a_{22} + c_2 a_{21} > 0$$

$$a_{11} a_{22} - a_{12} a_{21} > 0$$

$$c_2 a_{11} - c_1 a_{12} > 0$$

$$3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + a_{12}^3 a_{21}^3 - a_{11}^3 a_{22}^3 \geq 0$$

$$-a_{11}^2 a_{22}^2 + 2.00 \cdot a_{12} a_{11} a_{22} a_{21} - a_{12}^2 a_{21}^2 > 0$$

$$c_2 a_{11}^2 a_{22} - c_1 a_{12} a_{11} a_{22} - a_{12} c_2 a_{11} a_{21} + c_1 a_{12}^2 a_{21} \geq 0$$

$$-3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 + a_{11}^3 a_{22}^3 > 0$$

$$3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + a_{12}^3 a_{21}^3 - a_{11}^3 a_{22}^3 > 0$$

$$-8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + a_{11}^8 a_{22}^8 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 - 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + a_{12}^8 a_{21}^8 \geq 0$$

$$-8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + a_{11}^8 a_{22}^8 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 - 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + a_{12}^8 a_{21}^8 > 0$$

pot #41:

symbol $a_{12} : (-inf, 0.0)$

symbol $c_1 : [-0.0, inf)$

symbol $c_2 : (-inf, 0.0)$

symbol $a_{11} : (-0.0, inf)$

symbol $a_{22} : (-0.0, inf)$

symbol $b_1 : -0.0$

symbol $b_2 : [-0.0, inf)$

symbol $a_{21} : (-inf, 0.0]$

$$-c_1 a_{22} + c_2 a_{21} > 0$$

$$a_{11} a_{22} - a_{12} a_{21} > 0$$

$$c_2 a_{11} - c_1 a_{12} > 0$$

$$3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + a_{12}^3 a_{21}^3 - a_{11}^3 a_{22}^3 \geq 0$$

$$-a_{11}^2 a_{22}^2 + 2.00 \cdot a_{12} a_{11} a_{22} a_{21} - a_{12}^2 a_{21}^2 > 0$$

$$c_2 a_{11}^2 a_{22} - c_1 a_{12} a_{11} a_{22} - a_{12} c_2 a_{11} a_{21} + c_1 a_{12}^2 a_{21} \geq 0$$

$$-3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 + a_{11}^3 a_{22}^3 > 0$$

$$3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + a_{12}^3 a_{21}^3 - a_{11}^3 a_{22}^3 > 0$$

$$8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - a_{11}^8 a_{22}^8 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 + 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - a_{12}^8 a_{21}^8 \geq 0$$

$$8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - a_{11}^8 a_{22}^8 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 + 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - a_{12}^8 a_{21}^8 > 0$$

pot #42:

symbol $a_{12} : (-inf, 0.0)$

symbol $c_1 : [-0.0, inf)$

symbol $c_2 : (-inf, 0.0)$

symbol $a_{11} : (-0.0, inf)$

symbol $a_{22} : (-0.0, inf)$

symbol $b_1 : -0.0$

symbol $b_2 : -0.0$

symbol $a_{21} : (-inf, 0.0]$

$$-c_1 a_{22} + c_2 a_{21} > 0$$

$$a_{11} a_{22} - a_{12} a_{21} > 0$$

$$c_2 a_{11} - c_1 a_{12} > 0$$

$$3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + a_{12}^3 a_{21}^3 - a_{11}^3 a_{22}^3 \geq 0$$

$$\begin{aligned}
& -a_{11}^2 a_{22}^2 + 2.00 \cdot a_{12} a_{11} a_{22} a_{21} - a_{12}^2 a_{21}^2 > 0 \\
& c_2 a_{11}^2 a_{22} - c_1 a_{12} a_{11} a_{22} - a_{12} c_2 a_{11} a_{21} + c_1 a_{12}^2 a_{21} \geq 0 \\
& -3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 + a_{11}^3 a_{22}^3 > 0 \\
& 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + a_{12}^3 a_{21}^3 - a_{11}^3 a_{22}^3 > 0 \\
& -8.00 \cdot a_{12} a_{11}^7 a_{22}^2 a_{21} + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^2 a_{21}^2 - 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^2 a_{21}^3 + a_{11}^8 a_{22}^8 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 - \\
& 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + a_{12}^8 a_{21}^8 \geq 0 \\
& 8.00 \cdot a_{12} a_{11}^7 a_{22}^2 a_{21} - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^2 a_{21}^2 + 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^2 a_{21}^3 - a_{11}^8 a_{22}^8 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 + \\
& 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - a_{12}^8 a_{21}^8 > 0
\end{aligned}$$

pot #43:

symbol a_{12} : $(-inf, 0.0)$

symbol c_1 : $[-0.0, inf)$

symbol c_2 : $(-inf, 0.0)$

symbol a_{11} : $(-0.0, inf)$

symbol a_{22} : $(-0.0, inf)$

symbol b_1 : -0.0

symbol b_2 : -0.0

symbol a_{21} : $(-inf, 0.0]$

$$-c_1 a_{22} + c_2 a_{21} > 0$$

$$a_{11} a_{22} - a_{12} a_{21} > 0$$

$$c_2 a_{11} - c_1 a_{12} > 0$$

$$3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + a_{12}^3 a_{21}^3 - a_{11}^3 a_{22}^3 \geq 0$$

$$-a_{11}^2 a_{22}^2 + 2.00 \cdot a_{12} a_{11} a_{22} a_{21} - a_{12}^2 a_{21}^2 > 0$$

$$c_2 a_{11}^2 a_{22} - c_1 a_{12} a_{11} a_{22} - a_{12} c_2 a_{11} a_{21} + c_1 a_{12}^2 a_{21} \geq 0$$

$$-3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 + a_{11}^3 a_{22}^3 > 0$$

$$3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + a_{12}^3 a_{21}^3 - a_{11}^3 a_{22}^3 > 0$$

$$8.00 \cdot a_{12} a_{11}^7 a_{22}^2 a_{21} - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^2 a_{21}^2 + 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^2 a_{21}^3 - a_{11}^8 a_{22}^8 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 +$$

$$56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - a_{12}^8 a_{21}^8 \geq 0$$

$$-8.00 \cdot a_{12} a_{11}^7 a_{22}^2 a_{21} + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^2 a_{21}^2 - 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^2 a_{21}^3 + a_{11}^8 a_{22}^8 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 -$$

$$56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + a_{12}^8 a_{21}^8 > 0$$

pot #44:

symbol a_{12} : $(-inf, 0.0)$

symbol c_1 : $[-0.0, inf)$

symbol c_2 : $(-inf, 0.0)$

symbol a_{11} : $(-0.0, inf)$

symbol a_{22} : $(-0.0, inf)$

symbol b_1 : -0.0

symbol b_2 : $[-0.0, inf)$

symbol a_{21} : $(-inf, 0.0]$

$$-c_1 a_{22} + c_2 a_{21} > 0$$

$$a_{11} a_{22} - a_{12} a_{21} > 0$$

$$c_2 a_{11} - c_1 a_{12} > 0$$

$$3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + a_{12}^3 a_{21}^3 - a_{11}^3 a_{22}^3 \geq 0$$

$$-a_{11}^2 a_{22}^2 + 2.00 \cdot a_{12} a_{11} a_{22} a_{21} - a_{12}^2 a_{21}^2 > 0$$

$$c_2 a_{11}^2 a_{22} - c_1 a_{12} a_{11} a_{22} - a_{12} c_2 a_{11} a_{21} + c_1 a_{12}^2 a_{21} \geq 0$$

$$-3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 + a_{11}^3 a_{22}^3 > 0$$

$$-a_{11}^3 a_{22}^3 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + a_{12}^3 a_{21}^3 > 0$$

$$-8.00 \cdot a_{12} a_{11}^7 a_{22}^2 a_{21} + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^2 a_{21}^2 - 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^2 a_{21}^3 + a_{11}^8 a_{22}^8 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 -$$

$$56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + a_{12}^8 a_{21}^8 \geq 0$$

$$-8.00 \cdot a_{12} a_{11}^7 a_{22}^2 a_{21} + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^2 a_{21}^2 - 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^2 a_{21}^3 + a_{11}^8 a_{22}^8 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 -$$

$$56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + a_{12}^8 a_{21}^8 > 0$$

pot #45:

symbol a_{12} : $(-inf, 0.0)$

symbol c_1 : $[-0.0, inf)$

symbol c_2 : $(-inf, 0.0)$

symbol a_{11} : $(-0.0, inf)$

symbol a_{22} : $(-0.0, inf)$

symbol b_1 : -0.0

symbol b_2 : $[-0.0, inf)$

symbol a_{21} : $(-inf, 0.0]$

$$-c_1 a_{22} + c_2 a_{21} > 0$$

$$a_{11} a_{22} - a_{12} a_{21} > 0$$

$$c_2 a_{11} - c_1 a_{12} > 0$$

$$3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + a_{12}^3 a_{21}^3 - a_{11}^3 a_{22}^3 \geq 0$$

$$-a_{11}^2 a_{22}^2 + 2.00 \cdot a_{12} a_{11} a_{22} a_{21} - a_{12}^2 a_{21}^2 > 0$$

$$c_2 a_{11}^2 a_{22} - c_1 a_{12} a_{11} a_{22} - a_{12} c_2 a_{11} a_{21} + c_1 a_{12}^2 a_{21} \geq 0$$

$$-3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 + a_{11}^3 a_{22}^3 > 0$$

$$-a_{11}^3 a_{22}^3 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + a_{12}^3 a_{21}^3 > 0$$

$$8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - a_{11}^8 a_{22}^8 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 +$$

$$56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - a_{12}^8 a_{21}^8 \geq 0$$

$$8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - a_{11}^8 a_{22}^8 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 +$$

$$56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - a_{12}^8 a_{21}^8 > 0$$

pot #46:

symbol a_{12} : $(-inf, 0.0)$

symbol c_1 : $[-0.0, inf)$

symbol c_2 : $(-inf, 0.0)$

symbol a_{11} : $(-0.0, inf)$

symbol a_{22} : $(-0.0, inf)$

symbol b_1 : -0.0

symbol b_2 : -0.0

symbol a_{21} : $(-inf, 0.0]$

$$-c_1 a_{22} + c_2 a_{21} > 0$$

$$a_{11} a_{22} - a_{12} a_{21} > 0$$

$$c_2 a_{11} - c_1 a_{12} > 0$$

$$3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + a_{12}^3 a_{21}^3 - a_{11}^3 a_{22}^3 \geq 0$$

$$-a_{11}^2 a_{22}^2 + 2.00 \cdot a_{12} a_{11} a_{22} a_{21} - a_{12}^2 a_{21}^2 > 0$$

$$c_2 a_{11}^2 a_{22} - c_1 a_{12} a_{11} a_{22} - a_{12} c_2 a_{11} a_{21} + c_1 a_{12}^2 a_{21} \geq 0$$

$$-3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 + a_{11}^3 a_{22}^3 > 0$$

$$-a_{11}^3 a_{22}^3 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + a_{12}^3 a_{21}^3 > 0$$

$$-8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + a_{11}^8 a_{22}^8 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 -$$

$$56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + a_{12}^8 a_{21}^8 \geq 0$$

$$8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - a_{11}^8 a_{22}^8 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 +$$

$$56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - a_{12}^8 a_{21}^8 > 0$$

pot #47:

symbol a_{12} : $(-inf, 0.0)$

symbol c_1 : $[-0.0, inf)$

symbol c_2 : $(-inf, 0.0)$

symbol a_{11} : $(-0.0, inf)$

symbol a_{22} : $(-0.0, inf)$

symbol b_1 : -0.0

symbol b_2 : -0.0

symbol $a_{21} : (-inf, 0.0]$

$$-c_1 a_{22} + c_2 a_{21} > 0$$

$$a_{11} a_{22} - a_{12} a_{21} > 0$$

$$c_2 a_{11} - c_1 a_{12} > 0$$

$$3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + a_{12}^3 a_{21}^3 - a_{11}^3 a_{22}^3 \geq 0$$

$$-a_{11}^2 a_{22}^2 + 2.00 \cdot a_{12} a_{11} a_{22} a_{21} - a_{12}^2 a_{21}^2 > 0$$

$$c_2 a_{11}^2 a_{22} - c_1 a_{12} a_{11} a_{22} - a_{12} c_2 a_{11} a_{21} + c_1 a_{12}^2 a_{21} \geq 0$$

$$-3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 + a_{11}^3 a_{22}^3 > 0$$

$$-a_{11}^3 a_{22}^3 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + a_{12}^3 a_{21}^3 > 0$$

$$8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - a_{11}^8 a_{22}^8 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 +$$

$$56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - a_{12}^8 a_{21}^8 \geq 0$$

$$-8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + a_{11}^8 a_{22}^8 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 -$$

$$56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + a_{12}^8 a_{21}^8 > 0$$

pot #48:

symbol $a_{12} : (-inf, 0.0)$

symbol $c_1 : [-0.0, inf)$

symbol $c_2 : (-inf, 0.0)$

symbol $a_{11} : (-0.0, inf)$

symbol $a_{22} : (-0.0, inf)$

symbol $b_1 : -0.0$

symbol $b_2 : [-0.0, inf)$

symbol $a_{21} : (-inf, 0.0]$

$$-c_1 a_{22} + c_2 a_{21} > 0$$

$$a_{11} a_{22} - a_{12} a_{21} > 0$$

$$c_2 a_{11} - c_1 a_{12} > 0$$

$$-3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 + a_{11}^3 a_{22}^3 \geq 0$$

$$a_{11}^2 a_{22}^2 - 2.00 \cdot a_{12} a_{11} a_{22} a_{21} + a_{12}^2 a_{21}^2 > 0$$

$$c_2 a_{11}^2 a_{22} - c_1 a_{12} a_{11} a_{22} - a_{12} c_2 a_{11} a_{21} + c_1 a_{12}^2 a_{21} \geq 0$$

$$3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + a_{12}^3 a_{21}^3 - a_{11}^3 a_{22}^3 > 0$$

$$a_{11}^3 a_{22}^3 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 > 0$$

$$-8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + a_{11}^8 a_{22}^8 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 -$$

$$56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + a_{12}^8 a_{21}^8 \geq 0$$

$$-8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + a_{11}^8 a_{22}^8 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 -$$

$$56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + a_{12}^8 a_{21}^8 > 0$$

pot #49:

symbol $a_{12} : (-inf, 0.0)$

symbol $c_1 : [-0.0, inf)$

symbol $c_2 : (-inf, 0.0)$

symbol $a_{11} : (-0.0, inf)$

symbol $a_{22} : (-0.0, inf)$

symbol $b_1 : -0.0$

symbol $b_2 : [-0.0, inf)$

symbol $a_{21} : (-inf, 0.0]$

$$-c_1 a_{22} + c_2 a_{21} > 0$$

$$a_{11} a_{22} - a_{12} a_{21} > 0$$

$$c_2 a_{11} - c_1 a_{12} > 0$$

$$-3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 + a_{11}^3 a_{22}^3 \geq 0$$

$$a_{11}^2 a_{22}^2 - 2.00 \cdot a_{12} a_{11} a_{22} a_{21} + a_{12}^2 a_{21}^2 > 0$$

$$c_2 a_{11}^2 a_{22} - c_1 a_{12} a_{11} a_{22} - a_{12} c_2 a_{11} a_{21} + c_1 a_{12}^2 a_{21} \geq 0$$

$$3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + a_{12}^3 a_{21}^3 - a_{11}^3 a_{22}^3 > 0$$

$$\begin{aligned}
& a_{11}^3 a_{22}^3 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 > 0 \\
& 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - a_{11}^8 a_{22}^8 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 + \\
& 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - a_{12}^8 a_{21}^8 \geq 0 \\
& 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - a_{11}^8 a_{22}^8 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 + \\
& 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - a_{12}^8 a_{21}^8 > 0
\end{aligned}$$

pot #50:

symbol a_{12} : $(-inf, 0.0)$

symbol c_1 : $[-0.0, inf)$

symbol c_2 : $(-inf, 0.0)$

symbol a_{11} : $(-0.0, inf)$

symbol a_{22} : $(-0.0, inf)$

symbol b_1 : -0.0

symbol b_2 : -0.0

symbol a_{21} : $(-inf, 0.0]$

$$-c_1 a_{22} + c_2 a_{21} > 0$$

$$a_{11} a_{22} - a_{12} a_{21} > 0$$

$$c_2 a_{11} - c_1 a_{12} > 0$$

$$-3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 + a_{11}^3 a_{22}^3 \geq 0$$

$$a_{11}^2 a_{22}^2 - 2.00 \cdot a_{12} a_{11} a_{22} a_{21} + a_{12}^2 a_{21}^2 > 0$$

$$c_2 a_{11}^2 a_{22} - c_1 a_{12} a_{11} a_{22} - a_{12} c_2 a_{11} a_{21} + c_1 a_{12}^2 a_{21} \geq 0$$

$$3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + a_{12}^3 a_{21}^3 - a_{11}^3 a_{22}^3 > 0$$

$$a_{11}^3 a_{22}^3 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 > 0$$

$$-8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + a_{11}^8 a_{22}^8 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 -$$

$$56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + a_{12}^8 a_{21}^8 \geq 0$$

$$8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - a_{11}^8 a_{22}^8 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 +$$

$$56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - a_{12}^8 a_{21}^8 > 0$$

pot #51:

symbol a_{12} : $(-inf, 0.0)$

symbol c_1 : $[-0.0, inf)$

symbol c_2 : $(-inf, 0.0)$

symbol a_{11} : $(-0.0, inf)$

symbol a_{22} : $(-0.0, inf)$

symbol b_1 : -0.0

symbol b_2 : -0.0

symbol a_{21} : $(-inf, 0.0]$

$$-c_1 a_{22} + c_2 a_{21} > 0$$

$$a_{11} a_{22} - a_{12} a_{21} > 0$$

$$c_2 a_{11} - c_1 a_{12} > 0$$

$$-3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 + a_{11}^3 a_{22}^3 \geq 0$$

$$a_{11}^2 a_{22}^2 - 2.00 \cdot a_{12} a_{11} a_{22} a_{21} + a_{12}^2 a_{21}^2 > 0$$

$$c_2 a_{11}^2 a_{22} - c_1 a_{12} a_{11} a_{22} - a_{12} c_2 a_{11} a_{21} + c_1 a_{12}^2 a_{21} \geq 0$$

$$3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + a_{12}^3 a_{21}^3 - a_{11}^3 a_{22}^3 > 0$$

$$a_{11}^3 a_{22}^3 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 > 0$$

$$8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - a_{11}^8 a_{22}^8 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 +$$

$$56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - a_{12}^8 a_{21}^8 \geq 0$$

$$-8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + a_{11}^8 a_{22}^8 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 -$$

$$56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + a_{12}^8 a_{21}^8 > 0$$

pot #52:

symbol a_{12} : $(-inf, 0.0)$

symbol c_1 : $[-0.0, inf)$

symbol $c_2 : (-inf, 0.0)$
 symbol $a_{11} : (-0.0, inf)$
 symbol $a_{22} : (-0.0, inf)$
 symbol $b_1 : -0.0$
 symbol $b_2 : [-0.0, inf)$
 symbol $a_{21} : (-inf, 0.0]$
 $-c_1 a_{22} + c_2 a_{21} > 0$
 $a_{11} a_{22} - a_{12} a_{21} > 0$
 $c_2 a_{11} - c_1 a_{12} > 0$
 $-3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 + a_{11}^3 a_{22}^3 \geq 0$
 $a_{11}^2 a_{22}^2 - 2.00 \cdot a_{12} a_{11} a_{22} a_{21} + a_{12}^2 a_{21}^2 > 0$
 $c_2 a_{11}^2 a_{22} - c_1 a_{12} a_{11} a_{22} - a_{12} c_2 a_{11} a_{21} + c_1 a_{12}^2 a_{21} \geq 0$
 $3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + a_{12}^3 a_{21}^3 - a_{11}^3 a_{22}^3 > 0$
 $-3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 + a_{11}^3 a_{22}^3 > 0$
 $-8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + a_{11}^8 a_{22}^8 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 -$
 $56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + a_{12}^8 a_{21}^8 \geq 0$
 $-8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + a_{11}^8 a_{22}^8 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 -$
 $56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + a_{12}^8 a_{21}^8 > 0$

pot #53:

symbol $a_{12} : (-inf, 0.0)$
 symbol $c_1 : [-0.0, inf)$
 symbol $c_2 : (-inf, 0.0)$
 symbol $a_{11} : (-0.0, inf)$
 symbol $a_{22} : (-0.0, inf)$
 symbol $b_1 : -0.0$
 symbol $b_2 : [-0.0, inf)$
 symbol $a_{21} : (-inf, 0.0]$
 $-c_1 a_{22} + c_2 a_{21} > 0$
 $a_{11} a_{22} - a_{12} a_{21} > 0$
 $c_2 a_{11} - c_1 a_{12} > 0$
 $-3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 + a_{11}^3 a_{22}^3 \geq 0$
 $a_{11}^2 a_{22}^2 - 2.00 \cdot a_{12} a_{11} a_{22} a_{21} + a_{12}^2 a_{21}^2 > 0$
 $c_2 a_{11}^2 a_{22} - c_1 a_{12} a_{11} a_{22} - a_{12} c_2 a_{11} a_{21} + c_1 a_{12}^2 a_{21} \geq 0$
 $3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + a_{12}^3 a_{21}^3 - a_{11}^3 a_{22}^3 > 0$
 $-3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 + a_{11}^3 a_{22}^3 > 0$
 $8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - a_{11}^8 a_{22}^8 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 +$
 $56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - a_{12}^8 a_{21}^8 \geq 0$
 $8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - a_{11}^8 a_{22}^8 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 +$
 $56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - a_{12}^8 a_{21}^8 > 0$

pot #54:

symbol $a_{12} : (-inf, 0.0)$
 symbol $c_1 : [-0.0, inf)$
 symbol $c_2 : (-inf, 0.0)$
 symbol $a_{11} : (-0.0, inf)$
 symbol $a_{22} : (-0.0, inf)$
 symbol $b_1 : -0.0$
 symbol $b_2 : -0.0$
 symbol $a_{21} : (-inf, 0.0]$
 $-c_1 a_{22} + c_2 a_{21} > 0$
 $a_{11} a_{22} - a_{12} a_{21} > 0$

$$\begin{aligned}
& c_2 a_{11} - c_1 a_{12} > 0 \\
& -3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 + a_{11}^3 a_{22}^3 \geq 0 \\
& a_{11}^2 a_{22}^2 - 2.00 \cdot a_{12} a_{11} a_{22} a_{21} + a_{12}^2 a_{21}^2 > 0 \\
& c_2 a_{11}^2 a_{22} - c_1 a_{12} a_{11} a_{22} - a_{12} c_2 a_{11} a_{21} + c_1 a_{12}^2 a_{21} \geq 0 \\
& 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + a_{12}^3 a_{21}^3 - a_{11}^3 a_{22}^3 > 0 \\
& -3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 + a_{11}^3 a_{22}^3 > 0 \\
& -8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + a_{11}^8 a_{22}^8 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 - \\
& 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + a_{12}^8 a_{21}^8 \geq 0 \\
& 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - a_{11}^8 a_{22}^8 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 + \\
& 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - a_{12}^8 a_{21}^8 > 0
\end{aligned}$$

pot #55:

symbol a_{12} : $(-inf, 0.0)$

symbol c_1 : $[-0.0, inf)$

symbol c_2 : $(-inf, 0.0)$

symbol a_{11} : $(-0.0, inf)$

symbol a_{22} : $(-0.0, inf)$

symbol b_1 : -0.0

symbol b_2 : -0.0

symbol a_{21} : $(-inf, 0.0]$

$$-c_1 a_{22} + c_2 a_{21} > 0$$

$$a_{11} a_{22} - a_{12} a_{21} > 0$$

$$c_2 a_{11} - c_1 a_{12} > 0$$

$$-3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 + a_{11}^3 a_{22}^3 \geq 0$$

$$a_{11}^2 a_{22}^2 - 2.00 \cdot a_{12} a_{11} a_{22} a_{21} + a_{12}^2 a_{21}^2 > 0$$

$$c_2 a_{11}^2 a_{22} - c_1 a_{12} a_{11} a_{22} - a_{12} c_2 a_{11} a_{21} + c_1 a_{12}^2 a_{21} \geq 0$$

$$3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + a_{12}^3 a_{21}^3 - a_{11}^3 a_{22}^3 > 0$$

$$-3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 + a_{11}^3 a_{22}^3 > 0$$

$$8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - a_{11}^8 a_{22}^8 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 +$$

$$56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - a_{12}^8 a_{21}^8 \geq 0$$

$$-8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + a_{11}^8 a_{22}^8 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 -$$

$$56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + a_{12}^8 a_{21}^8 > 0$$

pot #56:

symbol a_{12} : $(-inf, 0.0)$

symbol c_1 : $[-0.0, inf)$

symbol c_2 : $(-inf, 0.0)$

symbol a_{11} : $(-0.0, inf)$

symbol a_{22} : $(-0.0, inf)$

symbol b_1 : -0.0

symbol b_2 : $[-0.0, inf)$

symbol a_{21} : $(-inf, 0.0]$

$$-c_1 a_{22} + c_2 a_{21} > 0$$

$$a_{11} a_{22} - a_{12} a_{21} > 0$$

$$c_2 a_{11} - c_1 a_{12} > 0$$

$$-3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 + a_{11}^3 a_{22}^3 \geq 0$$

$$a_{11}^2 a_{22}^2 - 2.00 \cdot a_{12} a_{11} a_{22} a_{21} + a_{12}^2 a_{21}^2 > 0$$

$$c_2 a_{11}^2 a_{22} - c_1 a_{12} a_{11} a_{22} - a_{12} c_2 a_{11} a_{21} + c_1 a_{12}^2 a_{21} \geq 0$$

$$-3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 + a_{11}^3 a_{22}^3 > 0$$

$$3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + a_{12}^3 a_{21}^3 - a_{11}^3 a_{22}^3 > 0$$

$$-8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + a_{11}^8 a_{22}^8 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 -$$

$$56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + a_{12}^8 a_{21}^8 \geq 0$$

$$-8.00 \cdot a_{12}a_{11}^7a_{22}^7a_{21} + 28.00 \cdot a_{12}^2a_{11}^6a_{22}^6a_{21}^2 - 56.00 \cdot a_{12}^3a_{11}^5a_{22}^5a_{21}^3 + a_{11}^8a_{22}^8 + 70.00 \cdot a_{12}^4a_{11}^4a_{22}^4a_{21}^4 - 56.00 \cdot a_{12}^5a_{11}^3a_{22}^3a_{21}^5 + 28.00 \cdot a_{12}^6a_{11}^2a_{22}^2a_{21}^6 - 8.00 \cdot a_{12}^7a_{11}a_{22}a_{21}^7 + a_{12}^8a_{21}^8 > 0$$

pot #57:

symbol a_{12} : $(-inf, 0.0)$

symbol c_1 : $[-0.0, inf)$

symbol c_2 : $(-inf, 0.0)$

symbol a_{11} : $(-0.0, inf)$

symbol a_{22} : $(-0.0, inf)$

symbol b_1 : -0.0

symbol b_2 : $[-0.0, inf)$

symbol a_{21} : $(-inf, 0.0]$

$$-c_1a_{22} + c_2a_{21} > 0$$

$$a_{11}a_{22} - a_{12}a_{21} > 0$$

$$c_2a_{11} - c_1a_{12} > 0$$

$$-3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} + 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 - a_{12}^3a_{21}^3 + a_{11}^3a_{22}^3 \geq 0$$

$$a_{11}^2a_{22}^2 - 2.00 \cdot a_{12}a_{11}a_{22}a_{21} + a_{12}^2a_{21}^2 > 0$$

$$c_2a_{11}^2a_{22} - c_1a_{12}a_{11}a_{22} - a_{12}c_2a_{11}a_{21} + c_1a_{12}^2a_{21} \geq 0$$

$$-3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} + 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 - a_{12}^3a_{21}^3 + a_{11}^3a_{22}^3 > 0$$

$$3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} - 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 + a_{12}^3a_{21}^3 - a_{11}^3a_{22}^3 > 0$$

$$8.00 \cdot a_{12}a_{11}^7a_{22}^7a_{21} - 28.00 \cdot a_{12}^2a_{11}^6a_{22}^6a_{21}^2 + 56.00 \cdot a_{12}^3a_{11}^5a_{22}^5a_{21}^3 - a_{11}^8a_{22}^8 - 70.00 \cdot a_{12}^4a_{11}^4a_{22}^4a_{21}^4 +$$

$$56.00 \cdot a_{12}^5a_{11}^3a_{22}^3a_{21}^5 - 28.00 \cdot a_{12}^6a_{11}^2a_{22}^2a_{21}^6 + 8.00 \cdot a_{12}^7a_{11}a_{22}a_{21}^7 - a_{12}^8a_{21}^8 \geq 0$$

$$8.00 \cdot a_{12}a_{11}^7a_{22}^7a_{21} - 28.00 \cdot a_{12}^2a_{11}^6a_{22}^6a_{21}^2 + 56.00 \cdot a_{12}^3a_{11}^5a_{22}^5a_{21}^3 - a_{11}^8a_{22}^8 - 70.00 \cdot a_{12}^4a_{11}^4a_{22}^4a_{21}^4 +$$

$$56.00 \cdot a_{12}^5a_{11}^3a_{22}^3a_{21}^5 - 28.00 \cdot a_{12}^6a_{11}^2a_{22}^2a_{21}^6 + 8.00 \cdot a_{12}^7a_{11}a_{22}a_{21}^7 - a_{12}^8a_{21}^8 > 0$$

pot #58:

symbol a_{12} : $(-inf, 0.0)$

symbol c_1 : $[-0.0, inf)$

symbol c_2 : $(-inf, 0.0)$

symbol a_{11} : $(-0.0, inf)$

symbol a_{22} : $(-0.0, inf)$

symbol b_1 : -0.0

symbol b_2 : -0.0

symbol a_{21} : $(-inf, 0.0]$

$$-c_1a_{22} + c_2a_{21} > 0$$

$$a_{11}a_{22} - a_{12}a_{21} > 0$$

$$c_2a_{11} - c_1a_{12} > 0$$

$$-3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} + 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 - a_{12}^3a_{21}^3 + a_{11}^3a_{22}^3 \geq 0$$

$$a_{11}^2a_{22}^2 - 2.00 \cdot a_{12}a_{11}a_{22}a_{21} + a_{12}^2a_{21}^2 > 0$$

$$c_2a_{11}^2a_{22} - c_1a_{12}a_{11}a_{22} - a_{12}c_2a_{11}a_{21} + c_1a_{12}^2a_{21} \geq 0$$

$$-3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} + 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 - a_{12}^3a_{21}^3 + a_{11}^3a_{22}^3 > 0$$

$$3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} - 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 + a_{12}^3a_{21}^3 - a_{11}^3a_{22}^3 > 0$$

$$-8.00 \cdot a_{12}a_{11}^7a_{22}^7a_{21} + 28.00 \cdot a_{12}^2a_{11}^6a_{22}^6a_{21}^2 - 56.00 \cdot a_{12}^3a_{11}^5a_{22}^5a_{21}^3 + a_{11}^8a_{22}^8 + 70.00 \cdot a_{12}^4a_{11}^4a_{22}^4a_{21}^4 -$$

$$56.00 \cdot a_{12}^5a_{11}^3a_{22}^3a_{21}^5 + 28.00 \cdot a_{12}^6a_{11}^2a_{22}^2a_{21}^6 - 8.00 \cdot a_{12}^7a_{11}a_{22}a_{21}^7 + a_{12}^8a_{21}^8 \geq 0$$

$$8.00 \cdot a_{12}a_{11}^7a_{22}^7a_{21} - 28.00 \cdot a_{12}^2a_{11}^6a_{22}^6a_{21}^2 + 56.00 \cdot a_{12}^3a_{11}^5a_{22}^5a_{21}^3 - a_{11}^8a_{22}^8 - 70.00 \cdot a_{12}^4a_{11}^4a_{22}^4a_{21}^4 +$$

$$56.00 \cdot a_{12}^5a_{11}^3a_{22}^3a_{21}^5 - 28.00 \cdot a_{12}^6a_{11}^2a_{22}^2a_{21}^6 + 8.00 \cdot a_{12}^7a_{11}a_{22}a_{21}^7 - a_{12}^8a_{21}^8 > 0$$

pot #59:

symbol a_{12} : $(-inf, 0.0)$

symbol c_1 : $[-0.0, inf)$

symbol c_2 : $(-inf, 0.0)$

symbol a_{11} : $(-0.0, inf)$

symbol a_{22} : $(-0.0, inf)$

symbol b_1 : -0.0

symbol b_2 : -0.0

symbol a_{21} : $(-inf, 0.0]$

$-c_1 a_{22} + c_2 a_{21} > 0$

$a_{11} a_{22} - a_{12} a_{21} > 0$

$c_2 a_{11} - c_1 a_{12} > 0$

$-3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 + a_{11}^3 a_{22}^3 \geq 0$

$a_{11}^2 a_{22}^2 - 2.00 \cdot a_{12} a_{11} a_{22} a_{21} + a_{12}^2 a_{21}^2 > 0$

$c_2 a_{11}^2 a_{22} - c_1 a_{12} a_{11} a_{22} - a_{12} c_2 a_{11} a_{21} + c_1 a_{12}^2 a_{21} \geq 0$

$-3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 + a_{11}^3 a_{22}^3 > 0$

$3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + a_{12}^3 a_{21}^3 - a_{11}^3 a_{22}^3 > 0$

$8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - a_{11}^8 a_{22}^8 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 +$

$56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - a_{12}^8 a_{21}^8 \geq 0$

$-8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + a_{11}^8 a_{22}^8 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 -$

$56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + a_{12}^8 a_{21}^8 > 0$

pot #60:

symbol a_{12} : $(-inf, 0.0)$

symbol c_1 : $[-0.0, inf)$

symbol c_2 : $(-inf, 0.0)$

symbol a_{11} : $(-0.0, inf)$

symbol a_{22} : $(-0.0, inf)$

symbol b_1 : -0.0

symbol b_2 : $[-0.0, inf)$

symbol a_{21} : $(-inf, 0.0]$

$-c_1 a_{22} + c_2 a_{21} > 0$

$a_{11} a_{22} - a_{12} a_{21} > 0$

$c_2 a_{11} - c_1 a_{12} > 0$

$-3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 + a_{11}^3 a_{22}^3 \geq 0$

$a_{11}^2 a_{22}^2 - 2.00 \cdot a_{12} a_{11} a_{22} a_{21} + a_{12}^2 a_{21}^2 > 0$

$c_2 a_{11}^2 a_{22} - c_1 a_{12} a_{11} a_{22} - a_{12} c_2 a_{11} a_{21} + c_1 a_{12}^2 a_{21} \geq 0$

$-3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 + a_{11}^3 a_{22}^3 > 0$

$-a_{11}^3 a_{22}^3 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + a_{12}^3 a_{21}^3 > 0$

$-8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + a_{11}^8 a_{22}^8 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 -$

$56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + a_{12}^8 a_{21}^8 \geq 0$

$-8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + a_{11}^8 a_{22}^8 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 -$

$56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + a_{12}^8 a_{21}^8 > 0$

pot #61:

symbol a_{12} : $(-inf, 0.0)$

symbol c_1 : $[-0.0, inf)$

symbol c_2 : $(-inf, 0.0)$

symbol a_{11} : $(-0.0, inf)$

symbol a_{22} : $(-0.0, inf)$

symbol b_1 : -0.0

symbol b_2 : $[-0.0, inf)$

symbol a_{21} : $(-inf, 0.0]$

$-c_1 a_{22} + c_2 a_{21} > 0$

$a_{11} a_{22} - a_{12} a_{21} > 0$

$c_2 a_{11} - c_1 a_{12} > 0$

$-3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 + a_{11}^3 a_{22}^3 \geq 0$

$a_{11}^2 a_{22}^2 - 2.00 \cdot a_{12} a_{11} a_{22} a_{21} + a_{12}^2 a_{21}^2 > 0$

$$\begin{aligned}
& c_2 a_{11}^2 a_{22} - c_1 a_{12} a_{11} a_{22} - a_{12} c_2 a_{11} a_{21} + c_1 a_{12}^2 a_{21} \geq 0 \\
& -3.00 \cdot a_{12} a_{11}^2 a_{22} a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 + a_{11}^3 a_{22}^3 > 0 \\
& -a_{11}^3 a_{22}^3 + 3.00 \cdot a_{12} a_{11}^2 a_{22} a_{21} - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + a_{12}^3 a_{21}^3 > 0 \\
& 8.00 \cdot a_{12} a_{11}^7 a_{22} a_{21} - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22} a_{21}^2 + 56.00 \cdot a_{12}^3 a_{11}^5 a_{22} a_{21}^3 - a_{11}^8 a_{22}^8 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 + \\
& 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - a_{12}^8 a_{21}^8 \geq 0 \\
& 8.00 \cdot a_{12} a_{11}^7 a_{22} a_{21} - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22} a_{21}^2 + 56.00 \cdot a_{12}^3 a_{11}^5 a_{22} a_{21}^3 - a_{11}^8 a_{22}^8 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 + \\
& 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - a_{12}^8 a_{21}^8 > 0
\end{aligned}$$

pot #62:

symbol a_{12} : $(-inf, 0.0)$

symbol c_1 : $[-0.0, inf)$

symbol c_2 : $(-inf, 0.0)$

symbol a_{11} : $(-0.0, inf)$

symbol a_{22} : $(-0.0, inf)$

symbol b_1 : -0.0

symbol b_2 : -0.0

symbol a_{21} : $(-inf, 0.0]$

$$-c_1 a_{22} + c_2 a_{21} > 0$$

$$a_{11} a_{22} - a_{12} a_{21} > 0$$

$$c_2 a_{11} - c_1 a_{12} > 0$$

$$-3.00 \cdot a_{12} a_{11}^2 a_{22} a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 + a_{11}^3 a_{22}^3 \geq 0$$

$$a_{11}^2 a_{22}^2 - 2.00 \cdot a_{12} a_{11} a_{22} a_{21} + a_{12}^2 a_{21}^2 > 0$$

$$c_2 a_{11}^2 a_{22} - c_1 a_{12} a_{11} a_{22} - a_{12} c_2 a_{11} a_{21} + c_1 a_{12}^2 a_{21} \geq 0$$

$$-3.00 \cdot a_{12} a_{11}^2 a_{22} a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 + a_{11}^3 a_{22}^3 > 0$$

$$-a_{11}^3 a_{22}^3 + 3.00 \cdot a_{12} a_{11}^2 a_{22} a_{21} - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + a_{12}^3 a_{21}^3 > 0$$

$$-8.00 \cdot a_{12} a_{11}^7 a_{22} a_{21} + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22} a_{21}^2 - 56.00 \cdot a_{12}^3 a_{11}^5 a_{22} a_{21}^3 + a_{11}^8 a_{22}^8 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 -$$

$$56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + a_{12}^8 a_{21}^8 \geq 0$$

$$8.00 \cdot a_{12} a_{11}^7 a_{22} a_{21} - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22} a_{21}^2 + 56.00 \cdot a_{12}^3 a_{11}^5 a_{22} a_{21}^3 - a_{11}^8 a_{22}^8 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 +$$

$$56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - a_{12}^8 a_{21}^8 > 0$$

pot #63:

symbol a_{12} : $(-inf, 0.0)$

symbol c_1 : $[-0.0, inf)$

symbol c_2 : $(-inf, 0.0)$

symbol a_{11} : $(-0.0, inf)$

symbol a_{22} : $(-0.0, inf)$

symbol b_1 : -0.0

symbol b_2 : -0.0

symbol a_{21} : $(-inf, 0.0]$

$$-c_1 a_{22} + c_2 a_{21} > 0$$

$$a_{11} a_{22} - a_{12} a_{21} > 0$$

$$c_2 a_{11} - c_1 a_{12} > 0$$

$$-3.00 \cdot a_{12} a_{11}^2 a_{22} a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 + a_{11}^3 a_{22}^3 \geq 0$$

$$a_{11}^2 a_{22}^2 - 2.00 \cdot a_{12} a_{11} a_{22} a_{21} + a_{12}^2 a_{21}^2 > 0$$

$$c_2 a_{11}^2 a_{22} - c_1 a_{12} a_{11} a_{22} - a_{12} c_2 a_{11} a_{21} + c_1 a_{12}^2 a_{21} \geq 0$$

$$-3.00 \cdot a_{12} a_{11}^2 a_{22} a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 + a_{11}^3 a_{22}^3 > 0$$

$$-a_{11}^3 a_{22}^3 + 3.00 \cdot a_{12} a_{11}^2 a_{22} a_{21} - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + a_{12}^3 a_{21}^3 > 0$$

$$8.00 \cdot a_{12} a_{11}^7 a_{22} a_{21} - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22} a_{21}^2 + 56.00 \cdot a_{12}^3 a_{11}^5 a_{22} a_{21}^3 - a_{11}^8 a_{22}^8 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 +$$

$$56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - a_{12}^8 a_{21}^8 \geq 0$$

$$-8.00 \cdot a_{12} a_{11}^7 a_{22} a_{21} + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22} a_{21}^2 - 56.00 \cdot a_{12}^3 a_{11}^5 a_{22} a_{21}^3 + a_{11}^8 a_{22}^8 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 -$$

$$56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + a_{12}^8 a_{21}^8 > 0$$

x_3	$\frac{-8.00 \cdot a_{12} b_2 a_{11}^7 a_{22}^7 a_{21} + 28.00 \cdot a_{12}^2 b_2 a_{11}^6 a_{22}^6 a_{21}^2 - 56.00 \cdot a_{12}^3 b_2 a_{11}^5 a_{22}^5 a_{21}^3 + 70.00 \cdot a_{12}^4 b_2 a_{11}^4 a_{22}^4 a_{21}^4 + b_2 a_{11}^8 a_{22}^8 - 56.00 \cdot a_{12}^5 b_2 a_{11}^3 a_{22}^3 a_{21}^5 + 28.00 \cdot a_{12}^6 b_2 a_{11}^2 a_{22}^2 a_{21}^6 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 + a_{11}^8 a_{22}^8 - 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6}{-6.00 \cdot b_1 a_{21} a_{11}^5 a_{22}^5 a_{12} + 15.00 \cdot b_1 a_{21}^2 a_{11}^4 a_{22}^4 a_{12}^2 - 20.00 \cdot b_1 a_{21}^3 a_{11}^3 a_{22}^3 a_{12}^3 + 15.00 \cdot b_1 a_{21}^4 a_{11}^2 a_{22}^2 a_{12}^4 - 6.00 \cdot b_1 a_{21}^5 a_{11} a_{22} a_{12}^5 + -6.00 \cdot a_{12} a_{11}^5 a_{22}^5 a_{21} + 15.00 \cdot a_{12}^2 a_{11}^4 a_{22}^4 a_{21}^2 - 20.00 \cdot a_{12}^3 a_{11}^3 a_{22}^3 a_{21}^3 + a_{11}^6 a_{22}^6 + 15.00 \cdot a_{12}^4 a_{11}^2 a_{22}^2 a_{21}^4 - 6.00 \cdot a_{12}^5 a_{11} a_{22} a_{21}^5}$
x_2	
Ψ	0.0

Table #1.0.0.-1

pots:

pot #0:

symbol a_{12} : $(-inf, 0.0)$

symbol c_1 : $[-0.0, inf)$

symbol c_2 : $(-inf, 0.0)$

symbol a_{11} : $(-0.0, inf)$

symbol a_{22} : $(-0.0, inf)$

symbol b_1 : $[-0.0, inf)$

symbol b_2 : $[-0.0, inf)$

symbol a_{21} : $(-inf, 0.0]$

$$-c_1 a_{22} + c_2 a_{21} > 0$$

$$a_{11} a_{22} - a_{12} a_{21} > 0$$

$$c_2 a_{11} - c_1 a_{12} > 0$$

$$3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + a_{12}^3 a_{21}^3 - a_{11}^3 a_{22}^3 \geq 0$$

$$a_{11}^2 a_{22}^2 - 2.00 \cdot a_{12} a_{11} a_{22} a_{21} + a_{12}^2 a_{21}^2 > 0$$

$$c_2 a_{11}^2 a_{22} - c_1 a_{12} a_{11} a_{22} - a_{12} c_2 a_{11} a_{21} + c_1 a_{12}^2 a_{21} \geq 0$$

$$-3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 + a_{11}^3 a_{22}^3 \geq 0$$

$$-a_{11}^3 a_{22}^3 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + a_{12}^3 a_{21}^3 > 0$$

pot #1:

symbol a_{12} : $(-inf, 0.0)$

symbol c_1 : $[-0.0, inf)$

symbol c_2 : $(-inf, 0.0)$

symbol a_{11} : $(-0.0, inf)$

symbol a_{22} : $(-0.0, inf)$

symbol b_1 : $[-0.0, inf)$

symbol b_2 : $[-0.0, inf)$

symbol a_{21} : $(-inf, 0.0]$

$$-c_1 a_{22} + c_2 a_{21} > 0$$

$$a_{11} a_{22} - a_{12} a_{21} > 0$$

$$c_2 a_{11} - c_1 a_{12} > 0$$

$$3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + a_{12}^3 a_{21}^3 - a_{11}^3 a_{22}^3 \geq 0$$

$$a_{11}^2 a_{22}^2 - 2.00 \cdot a_{12} a_{11} a_{22} a_{21} + a_{12}^2 a_{21}^2 > 0$$

$$c_2 a_{11}^2 a_{22} - c_1 a_{12} a_{11} a_{22} - a_{12} c_2 a_{11} a_{21} + c_1 a_{12}^2 a_{21} \geq 0$$

$$a_{11}^3 a_{22}^3 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 > 0$$

pot #2:

symbol a_{12} : $(-inf, 0.0)$

symbol c_1 : $[-0.0, inf)$

symbol c_2 : $(-inf, 0.0)$

symbol a_{11} : $(-0.0, inf)$

symbol a_{22} : $(-0.0, inf)$

symbol b_1 : $[-0.0, inf)$

symbol b_2 : $[-0.0, inf)$

symbol a_{21} : $(-inf, 0.0]$

$$-c_1 a_{22} + c_2 a_{21} > 0$$

$$a_{11} a_{22} - a_{12} a_{21} > 0$$

$$c_2 a_{11} - c_1 a_{12} > 0$$

$$-3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 + a_{11}^3 a_{22}^3 \geq 0$$

$$-a_{11}^2 a_{22}^2 + 2.00 \cdot a_{12} a_{11} a_{22} a_{21} - a_{12}^2 a_{21}^2 > 0$$

$$c_2 a_{11}^2 a_{22} - c_1 a_{12} a_{11} a_{22} - a_{12} c_2 a_{11} a_{21} + c_1 a_{12}^2 a_{21} \geq 0$$

$-a_{11}^3 a_{22}^3 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + a_{12}^3 a_{21}^3 > 0$
 pot #3:
 symbol $a_{12} : (-inf, 0.0)$
 symbol $c_1 : [-0.0, inf)$
 symbol $c_2 : (-inf, 0.0)$
 symbol $a_{11} : (-0.0, inf)$
 symbol $a_{22} : (-0.0, inf)$
 symbol $b_1 : [-0.0, inf)$
 symbol $b_2 : [-0.0, inf)$
 symbol $a_{21} : (-inf, 0.0]$
 $-c_1 a_{22} + c_2 a_{21} > 0$
 $a_{11} a_{22} - a_{12} a_{21} > 0$
 $c_2 a_{11} - c_1 a_{12} > 0$
 $-3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 + a_{11}^3 a_{22}^3 \geq 0$
 $-a_{11}^2 a_{22}^2 + 2.00 \cdot a_{12} a_{11} a_{22} a_{21} - a_{12}^2 a_{21}^2 > 0$
 $c_2 a_{11}^2 a_{22} - c_1 a_{12} a_{11} a_{22} - a_{12} c_2 a_{11} a_{21} + c_1 a_{12}^2 a_{21} \geq 0$
 $3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + a_{12}^3 a_{21}^3 - a_{11}^3 a_{22}^3 \geq 0$
 $a_{11}^3 a_{22}^3 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 > 0$
 pot #4:
 symbol $a_{12} : (-inf, 0.0)$
 symbol $c_1 : [-0.0, inf)$
 symbol $c_2 : (-inf, 0.0)$
 symbol $a_{11} : (-0.0, inf)$
 symbol $a_{22} : (-0.0, inf)$
 symbol $b_1 : -0.0$
 symbol $b_2 : [-0.0, inf)$
 symbol $a_{21} : (-inf, 0.0]$
 $-c_1 a_{22} + c_2 a_{21} > 0$
 $a_{11} a_{22} - a_{12} a_{21} > 0$
 $c_2 a_{11} - c_1 a_{12} > 0$
 $3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + a_{12}^3 a_{21}^3 - a_{11}^3 a_{22}^3 \geq 0$
 $-a_{11}^2 a_{22}^2 + 2.00 \cdot a_{12} a_{11} a_{22} a_{21} - a_{12}^2 a_{21}^2 > 0$
 $c_2 a_{11}^2 a_{22} - c_1 a_{12} a_{11} a_{22} - a_{12} c_2 a_{11} a_{21} + c_1 a_{12}^2 a_{21} \geq 0$
 $-3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 + a_{11}^3 a_{22}^3 \geq 0$
 $-a_{11}^3 a_{22}^3 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + a_{12}^3 a_{21}^3 > 0$
 pot #5:
 symbol $a_{12} : (-inf, 0.0)$
 symbol $c_1 : [-0.0, inf)$
 symbol $c_2 : (-inf, 0.0)$
 symbol $a_{11} : (-0.0, inf)$
 symbol $a_{22} : (-0.0, inf)$
 symbol $b_1 : -0.0$
 symbol $b_2 : [-0.0, inf)$
 symbol $a_{21} : (-inf, 0.0]$
 $-c_1 a_{22} + c_2 a_{21} > 0$
 $a_{11} a_{22} - a_{12} a_{21} > 0$
 $c_2 a_{11} - c_1 a_{12} > 0$
 $3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + a_{12}^3 a_{21}^3 - a_{11}^3 a_{22}^3 \geq 0$
 $-a_{11}^2 a_{22}^2 + 2.00 \cdot a_{12} a_{11} a_{22} a_{21} - a_{12}^2 a_{21}^2 > 0$
 $c_2 a_{11}^2 a_{22} - c_1 a_{12} a_{11} a_{22} - a_{12} c_2 a_{11} a_{21} + c_1 a_{12}^2 a_{21} \geq 0$

$$a_{11}^3 a_{22}^3 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 > 0$$

pot #6:

symbol $a_{12} : (-inf, 0.0)$

symbol $c_1 : [-0.0, inf)$

symbol $c_2 : (-inf, 0.0)$

symbol $a_{11} : (-0.0, inf)$

symbol $a_{22} : (-0.0, inf)$

symbol $b_1 : -0.0$

symbol $b_2 : [-0.0, inf)$

symbol $a_{21} : (-inf, 0.0]$

$$-c_1 a_{22} + c_2 a_{21} > 0$$

$$a_{11} a_{22} - a_{12} a_{21} > 0$$

$$c_2 a_{11} - c_1 a_{12} > 0$$

$$-3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 + a_{11}^3 a_{22}^3 \geq 0$$

$$a_{11}^2 a_{22}^2 - 2.00 \cdot a_{12} a_{11} a_{22} a_{21} + a_{12}^2 a_{21}^2 > 0$$

$$c_2 a_{11}^2 a_{22} - c_1 a_{12} a_{11} a_{22} - a_{12} c_2 a_{11} a_{21} + c_1 a_{12}^2 a_{21} \geq 0$$

$$-a_{11}^3 a_{22}^3 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + a_{12}^3 a_{21}^3 > 0$$

pot #7:

symbol $a_{12} : (-inf, 0.0)$

symbol $c_1 : [-0.0, inf)$

symbol $c_2 : (-inf, 0.0)$

symbol $a_{11} : (-0.0, inf)$

symbol $a_{22} : (-0.0, inf)$

symbol $b_1 : -0.0$

symbol $b_2 : [-0.0, inf)$

symbol $a_{21} : (-inf, 0.0]$

$$-c_1 a_{22} + c_2 a_{21} > 0$$

$$a_{11} a_{22} - a_{12} a_{21} > 0$$

$$c_2 a_{11} - c_1 a_{12} > 0$$

$$-3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 + a_{11}^3 a_{22}^3 \geq 0$$

$$a_{11}^2 a_{22}^2 - 2.00 \cdot a_{12} a_{11} a_{22} a_{21} + a_{12}^2 a_{21}^2 > 0$$

$$c_2 a_{11}^2 a_{22} - c_1 a_{12} a_{11} a_{22} - a_{12} c_2 a_{11} a_{21} + c_1 a_{12}^2 a_{21} \geq 0$$

$$3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + a_{12}^3 a_{21}^3 - a_{11}^3 a_{22}^3 \geq 0$$

$$a_{11}^3 a_{22}^3 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 > 0$$

		x_0	x_1	
x_3	$\frac{b_1 a_{11} a_{22}^2 - b_1 a_{21} a_{22} a_{12} - a_{12} b_2 a_{11} a_{22} + a_{12}^2 b_2 a_{21}}{-a_{12} a_{11} a_{22} + a_{12}^2 a_{21}}$	$\frac{a_{11} a_{22} - a_{12} a_{21}}{-a_{12}}$	0.0	
x_1	$\frac{3.00 \cdot b_1 a_{21} a_{11}^2 a_{22}^2 a_{12} - 3.00 \cdot b_1 a_{21}^2 a_{11} a_{22} a_{12}^2 + b_1 a_{21}^3 a_{12}^3 - b_1 a_{11}^3 a_{22}^3}{-a_{12} a_{11}^3 a_{22}^3 + 3.00 \cdot a_{12}^2 a_{11}^2 a_{22}^2 a_{21} - 3.00 \cdot a_{12}^3 a_{11} a_{22} a_{21}^2 + a_{12}^4 a_{21}^3}$	$\frac{-a_{11}^2 a_{22} + a_{12} a_{11} a_{21}}{-a_{12} a_{11} a_{22} + a_{12}^2 a_{21}}$	1.00	
Ψ	$\frac{-3.00 \cdot a_{12} c_2 a_{11}^2 a_{22}^2 b_1 a_{21} + 3.00 \cdot a_{12}^2 c_2 a_{11} a_{22} b_1 a_{21}^2 - b_1 c_2 a_{21}^3 a_{12}^3 + b_1 c_2 a_{11}^3 a_{22}^3}{-a_{12} a_{11}^3 a_{22}^3 + 3.00 \cdot a_{12}^2 a_{11}^2 a_{22}^2 a_{21} - 3.00 \cdot a_{12}^3 a_{11} a_{22} a_{21}^2 + a_{12}^4 a_{21}^3}$	$\frac{c_2 a_{11}^2 a_{22} - c_1 a_{12} a_{11} a_{22} - a_{12} c_2 a_{11} a_{21} + c_1 a_{12}^2 a_{21}}{-a_{12} a_{11} a_{22} + a_{12}^2 a_{21}}$	0.0	

Table #1.0.1

Moving out basis: x_1 from line: 1

Moving to basis: x_3

pots:

pot #0:

symbol a_{12} : $(-inf, 0.0)$

symbol c_1 : $[-0.0, inf)$

symbol c_2 : $(-inf, 0.0)$

symbol a_{11} : $(-0.0, inf)$

symbol a_{22} : $(-0.0, inf)$

symbol b_1 : $[-0.0, inf)$

symbol b_2 : $[-0.0, inf)$

symbol a_{21} : $(-inf, 0.0]$

$$-c_1 a_{22} + c_2 a_{21} > 0$$

$$a_{11} a_{22} - a_{12} a_{21} > 0$$

$$c_2 a_{11} - c_1 a_{12} > 0$$

$$a_{11}^3 a_{22}^3 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 \geq 0$$

$$a_{11}^2 a_{22}^2 - 2.00 \cdot a_{12} a_{11} a_{22} a_{21} + a_{12}^2 a_{21}^2 > 0$$

pot #1:

symbol a_{12} : $(-inf, 0.0)$

symbol c_1 : $[-0.0, inf)$

symbol c_2 : $(-inf, 0.0)$

symbol a_{11} : $(-0.0, inf)$

symbol a_{22} : $(-0.0, inf)$

symbol b_1 : $[-0.0, inf)$

symbol b_2 : $[-0.0, inf)$

symbol a_{21} : $(-inf, 0.0]$

$$-c_1 a_{22} + c_2 a_{21} > 0$$

$$a_{11} a_{22} - a_{12} a_{21} > 0$$

$$c_2 a_{11} - c_1 a_{12} > 0$$

$$-a_{11}^3 a_{22}^3 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + a_{12}^3 a_{21}^3 \geq 0$$

$$-a_{11}^2 a_{22}^2 + 2.00 \cdot a_{12} a_{11} a_{22} a_{21} - a_{12}^2 a_{21}^2 > 0$$

pot #2:

symbol a_{12} : $(-inf, 0.0)$

symbol c_1 : $[-0.0, inf)$

symbol c_2 : $(-inf, 0.0)$

symbol a_{11} : $(-0.0, inf)$

symbol a_{22} : $(-0.0, inf)$

symbol b_1 : -0.0

symbol b_2 : $[-0.0, inf)$

symbol a_{21} : $(-inf, 0.0]$

$$-c_1 a_{22} + c_2 a_{21} > 0$$

$$a_{11} a_{22} - a_{12} a_{21} > 0$$

$$c_2 a_{11} - c_1 a_{12} > 0$$

$$a_{11}^3 a_{22}^3 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 \geq 0$$

$$-a_{11}^2 a_{22}^2 + 2.00 \cdot a_{12} a_{11} a_{22} a_{21} - a_{12}^2 a_{21}^2 > 0$$

pot #3:

symbol a_{12} : $(-inf, 0.0)$

symbol c_1 : $[-0.0, inf)$

symbol $c_2 : (-inf, 0.0)$
symbol $a_{11} : (-0.0, inf)$
symbol $a_{22} : (-0.0, inf)$
symbol $b_1 : -0.0$
symbol $b_2 : [-0.0, inf)$
symbol $a_{21} : (-inf, 0.0]$
 $-c_1 a_{22} + c_2 a_{21} > 0$
 $a_{11} a_{22} - a_{12} a_{21} > 0$
 $c_2 a_{11} - c_1 a_{12} > 0$
 $-a_{11}^3 a_{22}^3 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + a_{12}^3 a_{21}^3 \geq 0$
 $a_{11}^2 a_{22}^2 - 2.00 \cdot a_{12} a_{11} a_{22} a_{21} + a_{12}^2 a_{21}^2 > 0$

		x_0	x_1	
x_0	$\frac{b_1 a_{11}^3 a_{22}^3 - 3.00 \cdot b_1 a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot b_1 a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 b_1 a_{21}^3}{a_{11}^4 a_{22}^3 - 3.00 \cdot a_{12} a_{11}^3 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11}^2 a_{22} a_{21}^2 - a_{12}^3 a_{11} a_{21}^3}$	1.00	$\frac{a_{12} a_{11} a_{22} - a_{12}^2 a_{21}}{a_{11}^2 a_{22} - a_{12} a_{11} a_{21}}$	
x_3	$\frac{b_2 a_{11}^2 a_{22} - a_{12} b_2 a_{11} a_{21} - b_1 a_{11} a_{22} a_{21} + b_1 a_{12} a_{21}^2}{a_{11}^2 a_{22} - a_{12} a_{11} a_{21}}$	0.0	$\frac{a_{11} a_{22} - a_{12} a_{21}}{a_{11}}$	
Ψ	$\frac{-c_1 b_1 a_{11}^3 a_{22}^3 + 3.00 \cdot a_{12} c_1 a_{11}^2 a_{22}^2 b_1 a_{21} - 3.00 \cdot a_{12}^2 c_1 a_{11} a_{22} b_1 a_{21}^2 + c_1 a_{12}^3 b_1 a_{21}^3}{a_{11}^4 a_{22}^3 - 3.00 \cdot a_{12} a_{11}^3 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11}^2 a_{22} a_{21}^2 - a_{12}^3 a_{11} a_{21}^3}$	0.0	$\frac{c_2 a_{11}^2 a_{22} - c_1 a_{12} a_{11} a_{22} - a_{12} c_2 a_{11} a_{21} + c_1 a_{12}^2 a_{21}}{a_{11}^2 a_{22} - a_{12} a_{11} a_{21}}$	

Table #1.0.1.1

Moving out basis: x_3 from line: 1

Moving to basis: x_1

pots:

pot #0:

symbol a_{12} : $(-inf, 0.0)$

symbol c_1 : $[-0.0, inf)$

symbol c_2 : $(-inf, 0.0)$

symbol a_{11} : $(-0.0, inf)$

symbol a_{22} : $(-0.0, inf)$

symbol b_1 : $[-0.0, inf)$

symbol b_2 : $[-0.0, inf)$

symbol a_{21} : $(-inf, 0.0]$

$$-c_1 a_{22} + c_2 a_{21} > 0$$

$$a_{11} a_{22} - a_{12} a_{21} > 0$$

$$c_2 a_{11} - c_1 a_{12} > 0$$

$$a_{11}^3 a_{22}^3 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 \geq 0$$

$$a_{11}^2 a_{22}^2 - 2.00 \cdot a_{12} a_{11} a_{22} a_{21} + a_{12}^2 a_{21}^2 > 0$$

$$-c_2 a_{11}^2 a_{22} + c_1 a_{12} a_{11} a_{22} + a_{12} c_2 a_{11} a_{21} - c_1 a_{12}^2 a_{21} > 0$$

$$a_{11} a_{22} - a_{12} a_{21} \geq 0$$

pot #1:

symbol a_{12} : $(-inf, 0.0)$

symbol c_1 : $[-0.0, inf)$

symbol c_2 : $(-inf, 0.0)$

symbol a_{11} : $(-0.0, inf)$

symbol a_{22} : $(-0.0, inf)$

symbol b_1 : $[-0.0, inf)$

symbol b_2 : $[-0.0, inf)$

symbol a_{21} : $(-inf, 0.0]$

$$-c_1 a_{22} + c_2 a_{21} > 0$$

$$a_{11} a_{22} - a_{12} a_{21} > 0$$

$$c_2 a_{11} - c_1 a_{12} > 0$$

$$-a_{11}^3 a_{22}^3 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + a_{12}^3 a_{21}^3 \geq 0$$

$$-a_{11}^2 a_{22}^2 + 2.00 \cdot a_{12} a_{11} a_{22} a_{21} - a_{12}^2 a_{21}^2 > 0$$

$$-c_2 a_{11}^2 a_{22} + c_1 a_{12} a_{11} a_{22} + a_{12} c_2 a_{11} a_{21} - c_1 a_{12}^2 a_{21} > 0$$

$$a_{11} a_{22} - a_{12} a_{21} \geq 0$$

pot #2:

symbol a_{12} : $(-inf, 0.0)$

symbol c_1 : $[-0.0, inf)$

symbol c_2 : $(-inf, 0.0)$

symbol a_{11} : $(-0.0, inf)$

symbol a_{22} : $(-0.0, inf)$

symbol b_1 : -0.0

symbol b_2 : $[-0.0, inf)$

symbol a_{21} : $(-inf, 0.0]$

$$-c_1 a_{22} + c_2 a_{21} > 0$$

$$a_{11} a_{22} - a_{12} a_{21} > 0$$

$$c_2 a_{11} - c_1 a_{12} > 0$$

$$a_{11}^3 a_{22}^3 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 \geq 0$$

$$\begin{aligned}
& -a_{11}^2 a_{22}^2 + 2.00 \cdot a_{12} a_{11} a_{22} a_{21} - a_{12}^2 a_{21}^2 > 0 \\
& -c_2 a_{11}^2 a_{22} + c_1 a_{12} a_{11} a_{22} + a_{12} c_2 a_{11} a_{21} - c_1 a_{12}^2 a_{21} > 0 \\
& a_{11} a_{22} - a_{12} a_{21} \geq 0 \\
& \text{pot \#3:} \\
& \text{symbol } a_{12} : (-inf, 0.0) \\
& \text{symbol } c_1 : [-0.0, inf) \\
& \text{symbol } c_2 : (-inf, 0.0) \\
& \text{symbol } a_{11} : (-0.0, inf) \\
& \text{symbol } a_{22} : (-0.0, inf) \\
& \text{symbol } b_1 : -0.0 \\
& \text{symbol } b_2 : [-0.0, inf) \\
& \text{symbol } a_{21} : (-inf, 0.0] \\
& -c_1 a_{22} + c_2 a_{21} > 0 \\
& a_{11} a_{22} - a_{12} a_{21} > 0 \\
& c_2 a_{11} - c_1 a_{12} > 0 \\
& -a_{11}^3 a_{22}^3 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + a_{12}^3 a_{21}^3 \geq 0 \\
& a_{11}^2 a_{22}^2 - 2.00 \cdot a_{12} a_{11} a_{22} a_{21} + a_{12}^2 a_{21}^2 > 0 \\
& -c_2 a_{11}^2 a_{22} + c_1 a_{12} a_{11} a_{22} + a_{12} c_2 a_{11} a_{21} - c_1 a_{12}^2 a_{21} > 0 \\
& a_{11} a_{22} - a_{12} a_{21} \geq 0
\end{aligned}$$

x_0	
x_1	
Ψ	$-c_1 b_1 a_{11}^5 a_{22}^6 + 5.00 \cdot a_{12} c_1 a_{11}^4 a_{22}^5 b_1 a_{21} - 10.00 \cdot a_{12}^2 c_1 a_{11}^3 a_{22}^4 b_1 a_{21}^2 + 10.00 \cdot a_{12}^3 c_1 a_{11}^2 a_{22}^3 b_1 a_{21}^3 - 5.00 \cdot a_{12}^4 c_1 a_{11} a_{22}^2 b_1 a_{21}^4 + c_1 a_{12}^5 a_{21}^5 a_{22} b_1 - b_2 c_2 a_{11}^6 a_{22}$

Table #1.0.1.0

Moving out basis: x_0 from line: 0

Moving to basis: x_2

pots:

pot #0:

symbol a_{12} : $(-inf, 0.0)$

symbol c_1 : $(-0.0, inf)$

symbol c_2 : $(-inf, 0.0)$

symbol a_{11} : $(-0.0, inf)$

symbol a_{22} : $(-0.0, inf)$

symbol b_1 : $[-0.0, inf)$

symbol b_2 : $[-0.0, inf)$

symbol a_{21} : $(-inf, 0.0)$

$$-c_1 a_{22} + c_2 a_{21} > 0$$

$$a_{11} a_{22} - a_{12} a_{21} > 0$$

$$c_2 a_{11} - c_1 a_{12} > 0$$

$$a_{11}^3 a_{22}^3 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 \geq 0$$

$$a_{11}^2 a_{22}^2 - 2.00 \cdot a_{12} a_{11} a_{22} a_{21} + a_{12}^2 a_{21}^2 > 0$$

$$c_2 a_{11}^2 a_{22} - c_1 a_{12} a_{11} a_{22} - a_{12} c_2 a_{11} a_{21} + c_1 a_{12}^2 a_{21} \geq 0$$

$$a_{11}^3 a_{22}^3 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 > 0$$

$$a_{11}^8 a_{22}^8 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 - 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + a_{12}^8 a_{21}^8 \geq 0$$

$$a_{11}^8 a_{22}^8 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 - 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + a_{12}^8 a_{21}^8 > 0$$

pot #1:

symbol a_{12} : $(-inf, 0.0)$

symbol c_1 : $(-0.0, inf)$

symbol c_2 : $(-inf, 0.0)$

symbol a_{11} : $(-0.0, inf)$

symbol a_{22} : $(-0.0, inf)$

symbol b_1 : $[-0.0, inf)$

symbol b_2 : $[-0.0, inf)$

symbol a_{21} : $(-inf, 0.0)$

$$-c_1 a_{22} + c_2 a_{21} > 0$$

$$a_{11} a_{22} - a_{12} a_{21} > 0$$

$$c_2 a_{11} - c_1 a_{12} > 0$$

$$a_{11}^3 a_{22}^3 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 \geq 0$$

$$a_{11}^2 a_{22}^2 - 2.00 \cdot a_{12} a_{11} a_{22} a_{21} + a_{12}^2 a_{21}^2 > 0$$

$$c_2 a_{11}^2 a_{22} - c_1 a_{12} a_{11} a_{22} - a_{12} c_2 a_{11} a_{21} + c_1 a_{12}^2 a_{21} \geq 0$$

$$a_{11}^3 a_{22}^3 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 > 0$$

$$-a_{11}^8 a_{22}^8 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 + 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - a_{12}^8 a_{21}^8 \geq 0$$

$$-a_{11}^8 a_{22}^8 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 + 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - a_{12}^8 a_{21}^8 > 0$$

pot #2:

symbol a_{12} : $(-inf, 0.0)$

symbol c_1 : $(-0.0, inf)$

symbol c_2 : $(-inf, 0.0)$

symbol a_{11} : $(-0.0, inf)$

symbol $a_{22} : (-0.0, inf)$

symbol $b_1 : [-0.0, inf)$

symbol $b_2 : -0.0$

symbol $a_{21} : (-inf, 0.0)$

$$-c_1 a_{22} + c_2 a_{21} > 0$$

$$a_{11} a_{22} - a_{12} a_{21} > 0$$

$$c_2 a_{11} - c_1 a_{12} > 0$$

$$a_{11}^3 a_{22}^3 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 \geq 0$$

$$a_{11}^2 a_{22}^2 - 2.00 \cdot a_{12} a_{11} a_{22} a_{21} + a_{12}^2 a_{21}^2 > 0$$

$$c_2 a_{11}^2 a_{22} - c_1 a_{12} a_{11} a_{22} - a_{12} c_2 a_{11} a_{21} + c_1 a_{12}^2 a_{21} \geq 0$$

$$a_{11}^3 a_{22}^3 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 > 0$$

$$a_{11}^8 a_{22}^8 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 -$$

$$56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + a_{12}^8 a_{21}^8 \geq 0$$

$$-a_{11}^8 a_{22}^8 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 +$$

$$56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - a_{12}^8 a_{21}^8 > 0$$

pot #3:

symbol $a_{12} : (-inf, 0.0)$

symbol $c_1 : (-0.0, inf)$

symbol $c_2 : (-inf, 0.0)$

symbol $a_{11} : (-0.0, inf)$

symbol $a_{22} : (-0.0, inf)$

symbol $b_1 : [-0.0, inf)$

symbol $b_2 : -0.0$

symbol $a_{21} : (-inf, 0.0)$

$$-c_1 a_{22} + c_2 a_{21} > 0$$

$$a_{11} a_{22} - a_{12} a_{21} > 0$$

$$c_2 a_{11} - c_1 a_{12} > 0$$

$$a_{11}^3 a_{22}^3 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 \geq 0$$

$$a_{11}^2 a_{22}^2 - 2.00 \cdot a_{12} a_{11} a_{22} a_{21} + a_{12}^2 a_{21}^2 > 0$$

$$c_2 a_{11}^2 a_{22} - c_1 a_{12} a_{11} a_{22} - a_{12} c_2 a_{11} a_{21} + c_1 a_{12}^2 a_{21} \geq 0$$

$$a_{11}^3 a_{22}^3 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 > 0$$

$$-a_{11}^8 a_{22}^8 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 +$$

$$56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - a_{12}^8 a_{21}^8 \geq 0$$

$$a_{11}^8 a_{22}^8 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 -$$

$$56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + a_{12}^8 a_{21}^8 > 0$$

pot #4:

symbol $a_{12} : (-inf, 0.0)$

symbol $c_1 : (-0.0, inf)$

symbol $c_2 : (-inf, 0.0)$

symbol $a_{11} : (-0.0, inf)$

symbol $a_{22} : (-0.0, inf)$

symbol $b_1 : [-0.0, inf)$

symbol $b_2 : [-0.0, inf)$

symbol $a_{21} : (-inf, 0.0)$

$$-c_1 a_{22} + c_2 a_{21} > 0$$

$$a_{11} a_{22} - a_{12} a_{21} > 0$$

$$c_2 a_{11} - c_1 a_{12} > 0$$

$$a_{11}^3 a_{22}^3 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 \geq 0$$

$$a_{11}^2 a_{22}^2 - 2.00 \cdot a_{12} a_{11} a_{22} a_{21} + a_{12}^2 a_{21}^2 > 0$$

$$c_2 a_{11}^2 a_{22} - c_1 a_{12} a_{11} a_{22} - a_{12} c_2 a_{11} a_{21} + c_1 a_{12}^2 a_{21} \geq 0$$

$$\begin{aligned}
& a_{11}^3 a_{22}^3 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 > 0 \\
& -a_{11}^3 a_{22}^3 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + a_{12}^3 a_{21}^3 > 0 \\
& a_{11}^8 a_{22}^8 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 - \\
& 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + a_{12}^8 a_{21}^8 \geq 0 \\
& a_{11}^8 a_{22}^8 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 - \\
& 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + a_{12}^8 a_{21}^8 > 0
\end{aligned}$$

pot #5:

symbol a_{12} : $(-inf, 0.0)$

symbol c_1 : $(-0.0, inf)$

symbol c_2 : $(-inf, 0.0)$

symbol a_{11} : $(-0.0, inf)$

symbol a_{22} : $(-0.0, inf)$

symbol b_1 : $[-0.0, inf)$

symbol b_2 : $[-0.0, inf)$

symbol a_{21} : $(-inf, 0.0)$

$$-c_1 a_{22} + c_2 a_{21} > 0$$

$$a_{11} a_{22} - a_{12} a_{21} > 0$$

$$c_2 a_{11} - c_1 a_{12} > 0$$

$$a_{11}^3 a_{22}^3 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 \geq 0$$

$$a_{11}^2 a_{22}^2 - 2.00 \cdot a_{12} a_{11} a_{22} a_{21} + a_{12}^2 a_{21}^2 > 0$$

$$c_2 a_{11}^2 a_{22} - c_1 a_{12} a_{11} a_{22} - a_{12} c_2 a_{11} a_{21} + c_1 a_{12}^2 a_{21} \geq 0$$

$$a_{11}^3 a_{22}^3 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 > 0$$

$$-a_{11}^3 a_{22}^3 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + a_{12}^3 a_{21}^3 > 0$$

$$-a_{11}^8 a_{22}^8 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 +$$

$$56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - a_{12}^8 a_{21}^8 \geq 0$$

$$-a_{11}^8 a_{22}^8 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 +$$

$$56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - a_{12}^8 a_{21}^8 > 0$$

pot #6:

symbol a_{12} : $(-inf, 0.0)$

symbol c_1 : $(-0.0, inf)$

symbol c_2 : $(-inf, 0.0)$

symbol a_{11} : $(-0.0, inf)$

symbol a_{22} : $(-0.0, inf)$

symbol b_1 : $[-0.0, inf)$

symbol b_2 : -0.0

symbol a_{21} : $(-inf, 0.0)$

$$-c_1 a_{22} + c_2 a_{21} > 0$$

$$a_{11} a_{22} - a_{12} a_{21} > 0$$

$$c_2 a_{11} - c_1 a_{12} > 0$$

$$a_{11}^3 a_{22}^3 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 \geq 0$$

$$a_{11}^2 a_{22}^2 - 2.00 \cdot a_{12} a_{11} a_{22} a_{21} + a_{12}^2 a_{21}^2 > 0$$

$$c_2 a_{11}^2 a_{22} - c_1 a_{12} a_{11} a_{22} - a_{12} c_2 a_{11} a_{21} + c_1 a_{12}^2 a_{21} \geq 0$$

$$a_{11}^3 a_{22}^3 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 > 0$$

$$-a_{11}^3 a_{22}^3 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + a_{12}^3 a_{21}^3 > 0$$

$$a_{11}^8 a_{22}^8 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 -$$

$$56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + a_{12}^8 a_{21}^8 \geq 0$$

$$-a_{11}^8 a_{22}^8 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 +$$

$$56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - a_{12}^8 a_{21}^8 > 0$$

pot #7:

symbol a_{12} : $(-inf, 0.0)$

symbol $c_1 : (-0.0, inf)$
 symbol $c_2 : (-inf, 0.0)$
 symbol $a_{11} : (-0.0, inf)$
 symbol $a_{22} : (-0.0, inf)$
 symbol $b_1 : [-0.0, inf)$
 symbol $b_2 : -0.0$
 symbol $a_{21} : (-inf, 0.0)$
 $-c_1 a_{22} + c_2 a_{21} > 0$
 $a_{11} a_{22} - a_{12} a_{21} > 0$
 $c_2 a_{11} - c_1 a_{12} > 0$
 $a_{11}^3 a_{22}^3 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 \geq 0$
 $a_{11}^2 a_{22}^2 - 2.00 \cdot a_{12} a_{11} a_{22} a_{21} + a_{12}^2 a_{21}^2 > 0$
 $c_2 a_{11}^2 a_{22} - c_1 a_{12} a_{11} a_{22} - a_{12} c_2 a_{11} a_{21} + c_1 a_{12}^2 a_{21} \geq 0$
 $a_{11}^3 a_{22}^3 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 > 0$
 $-a_{11}^3 a_{22}^3 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + a_{12}^3 a_{21}^3 > 0$
 $-a_{11}^8 a_{22}^8 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 +$
 $56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - a_{12}^8 a_{21}^8 \geq 0$
 $a_{11}^8 a_{22}^8 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 -$
 $56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + a_{12}^8 a_{21}^8 > 0$
 pot #8:
 symbol $a_{12} : (-inf, 0.0)$
 symbol $c_1 : (-0.0, inf)$
 symbol $c_2 : (-inf, 0.0)$
 symbol $a_{11} : (-0.0, inf)$
 symbol $a_{22} : (-0.0, inf)$
 symbol $b_1 : [-0.0, inf)$
 symbol $b_2 : [-0.0, inf)$
 symbol $a_{21} : (-inf, 0.0)$
 $-c_1 a_{22} + c_2 a_{21} > 0$
 $a_{11} a_{22} - a_{12} a_{21} > 0$
 $c_2 a_{11} - c_1 a_{12} > 0$
 $a_{11}^3 a_{22}^3 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 \geq 0$
 $a_{11}^2 a_{22}^2 - 2.00 \cdot a_{12} a_{11} a_{22} a_{21} + a_{12}^2 a_{21}^2 > 0$
 $c_2 a_{11}^2 a_{22} - c_1 a_{12} a_{11} a_{22} - a_{12} c_2 a_{11} a_{21} + c_1 a_{12}^2 a_{21} \geq 0$
 $-a_{11}^3 a_{22}^3 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + a_{12}^3 a_{21}^3 > 0$
 $a_{11}^3 a_{22}^3 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 > 0$
 $a_{11}^8 a_{22}^8 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 -$
 $56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + a_{12}^8 a_{21}^8 \geq 0$
 $a_{11}^8 a_{22}^8 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 -$
 $56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + a_{12}^8 a_{21}^8 > 0$
 pot #9:
 symbol $a_{12} : (-inf, 0.0)$
 symbol $c_1 : (-0.0, inf)$
 symbol $c_2 : (-inf, 0.0)$
 symbol $a_{11} : (-0.0, inf)$
 symbol $a_{22} : (-0.0, inf)$
 symbol $b_1 : [-0.0, inf)$
 symbol $b_2 : [-0.0, inf)$
 symbol $a_{21} : (-inf, 0.0)$
 $-c_1 a_{22} + c_2 a_{21} > 0$

$$a_{11}a_{22} - a_{12}a_{21} > 0$$

$$c_2a_{11} - c_1a_{12} > 0$$

$$a_{11}^3a_{22}^3 - 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} + 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 - a_{12}^3a_{21}^3 \geq 0$$

$$a_{11}^2a_{22}^2 - 2.00 \cdot a_{12}a_{11}a_{22}a_{21} + a_{12}^2a_{21}^2 > 0$$

$$c_2a_{11}^2a_{22} - c_1a_{12}a_{11}a_{22} - a_{12}c_2a_{11}a_{21} + c_1a_{12}^2a_{21} \geq 0$$

$$-a_{11}^3a_{22}^3 + 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} - 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 + a_{12}^3a_{21}^3 > 0$$

$$a_{11}^3a_{22}^3 - 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} + 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 - a_{12}^3a_{21}^3 > 0$$

$$-a_{11}^8a_{22}^8 + 8.00 \cdot a_{12}a_{11}^7a_{22}^7a_{21} - 28.00 \cdot a_{12}^2a_{11}^6a_{22}^6a_{21}^2 + 56.00 \cdot a_{12}^3a_{11}^5a_{22}^5a_{21}^3 - 70.00 \cdot a_{12}^4a_{11}^4a_{22}^4a_{21}^4 + 56.00 \cdot a_{12}^5a_{11}^3a_{22}^3a_{21}^5 - 28.00 \cdot a_{12}^6a_{11}^2a_{22}^2a_{21}^6 + 8.00 \cdot a_{12}^7a_{11}a_{22}a_{21}^7 - a_{12}^8a_{21}^8 \geq 0$$

$$-a_{11}^8a_{22}^8 + 8.00 \cdot a_{12}a_{11}^7a_{22}^7a_{21} - 28.00 \cdot a_{12}^2a_{11}^6a_{22}^6a_{21}^2 + 56.00 \cdot a_{12}^3a_{11}^5a_{22}^5a_{21}^3 - 70.00 \cdot a_{12}^4a_{11}^4a_{22}^4a_{21}^4 + 56.00 \cdot a_{12}^5a_{11}^3a_{22}^3a_{21}^5 - 28.00 \cdot a_{12}^6a_{11}^2a_{22}^2a_{21}^6 + 8.00 \cdot a_{12}^7a_{11}a_{22}a_{21}^7 - a_{12}^8a_{21}^8 > 0$$

pot #10:

symbol a_{12} : $(-inf, 0.0)$

symbol c_1 : $(-0.0, inf)$

symbol c_2 : $(-inf, 0.0)$

symbol a_{11} : $(-0.0, inf)$

symbol a_{22} : $(-0.0, inf)$

symbol b_1 : $[-0.0, inf)$

symbol b_2 : -0.0

symbol a_{21} : $(-inf, 0.0)$

$$-c_1a_{22} + c_2a_{21} > 0$$

$$a_{11}a_{22} - a_{12}a_{21} > 0$$

$$c_2a_{11} - c_1a_{12} > 0$$

$$a_{11}^3a_{22}^3 - 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} + 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 - a_{12}^3a_{21}^3 \geq 0$$

$$a_{11}^2a_{22}^2 - 2.00 \cdot a_{12}a_{11}a_{22}a_{21} + a_{12}^2a_{21}^2 > 0$$

$$c_2a_{11}^2a_{22} - c_1a_{12}a_{11}a_{22} - a_{12}c_2a_{11}a_{21} + c_1a_{12}^2a_{21} \geq 0$$

$$-a_{11}^3a_{22}^3 + 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} - 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 + a_{12}^3a_{21}^3 > 0$$

$$a_{11}^3a_{22}^3 - 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} + 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 - a_{12}^3a_{21}^3 > 0$$

$$a_{11}^8a_{22}^8 - 8.00 \cdot a_{12}a_{11}^7a_{22}^7a_{21} + 28.00 \cdot a_{12}^2a_{11}^6a_{22}^6a_{21}^2 - 56.00 \cdot a_{12}^3a_{11}^5a_{22}^5a_{21}^3 + 70.00 \cdot a_{12}^4a_{11}^4a_{22}^4a_{21}^4 - 56.00 \cdot a_{12}^5a_{11}^3a_{22}^3a_{21}^5 + 28.00 \cdot a_{12}^6a_{11}^2a_{22}^2a_{21}^6 - 8.00 \cdot a_{12}^7a_{11}a_{22}a_{21}^7 + a_{12}^8a_{21}^8 \geq 0$$

$$-a_{11}^8a_{22}^8 + 8.00 \cdot a_{12}a_{11}^7a_{22}^7a_{21} - 28.00 \cdot a_{12}^2a_{11}^6a_{22}^6a_{21}^2 + 56.00 \cdot a_{12}^3a_{11}^5a_{22}^5a_{21}^3 - 70.00 \cdot a_{12}^4a_{11}^4a_{22}^4a_{21}^4 + 56.00 \cdot a_{12}^5a_{11}^3a_{22}^3a_{21}^5 - 28.00 \cdot a_{12}^6a_{11}^2a_{22}^2a_{21}^6 + 8.00 \cdot a_{12}^7a_{11}a_{22}a_{21}^7 - a_{12}^8a_{21}^8 > 0$$

pot #11:

symbol a_{12} : $(-inf, 0.0)$

symbol c_1 : $(-0.0, inf)$

symbol c_2 : $(-inf, 0.0)$

symbol a_{11} : $(-0.0, inf)$

symbol a_{22} : $(-0.0, inf)$

symbol b_1 : $[-0.0, inf)$

symbol b_2 : -0.0

symbol a_{21} : $(-inf, 0.0)$

$$-c_1a_{22} + c_2a_{21} > 0$$

$$a_{11}a_{22} - a_{12}a_{21} > 0$$

$$c_2a_{11} - c_1a_{12} > 0$$

$$a_{11}^3a_{22}^3 - 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} + 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 - a_{12}^3a_{21}^3 \geq 0$$

$$a_{11}^2a_{22}^2 - 2.00 \cdot a_{12}a_{11}a_{22}a_{21} + a_{12}^2a_{21}^2 > 0$$

$$c_2a_{11}^2a_{22} - c_1a_{12}a_{11}a_{22} - a_{12}c_2a_{11}a_{21} + c_1a_{12}^2a_{21} \geq 0$$

$$-a_{11}^3a_{22}^3 + 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} - 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 + a_{12}^3a_{21}^3 > 0$$

$$a_{11}^3a_{22}^3 - 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} + 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 - a_{12}^3a_{21}^3 > 0$$

$$-a_{11}^8a_{22}^8 + 8.00 \cdot a_{12}a_{11}^7a_{22}^7a_{21} - 28.00 \cdot a_{12}^2a_{11}^6a_{22}^6a_{21}^2 + 56.00 \cdot a_{12}^3a_{11}^5a_{22}^5a_{21}^3 - 70.00 \cdot a_{12}^4a_{11}^4a_{22}^4a_{21}^4 +$$

$$\begin{aligned}
&56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - a_{12}^8 a_{21}^8 \geq 0 \\
&a_{11}^8 a_{22}^8 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 - \\
&56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + a_{12}^8 a_{21}^8 > 0
\end{aligned}$$

pot #12:

symbol a_{12} : $(-inf, 0.0)$

symbol c_1 : $(-0.0, inf)$

symbol c_2 : $(-inf, 0.0)$

symbol a_{11} : $(-0.0, inf)$

symbol a_{22} : $(-0.0, inf)$

symbol b_1 : $[-0.0, inf)$

symbol b_2 : $[-0.0, inf)$

symbol a_{21} : $(-inf, 0.0)$

$$-c_1 a_{22} + c_2 a_{21} > 0$$

$$a_{11} a_{22} - a_{12} a_{21} > 0$$

$$c_2 a_{11} - c_1 a_{12} > 0$$

$$a_{11}^3 a_{22}^3 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 \geq 0$$

$$a_{11}^2 a_{22}^2 - 2.00 \cdot a_{12} a_{11} a_{22} a_{21} + a_{12}^2 a_{21}^2 > 0$$

$$c_2 a_{11}^2 a_{22} - c_1 a_{12} a_{11} a_{22} - a_{12} c_2 a_{11} a_{21} + c_1 a_{12}^2 a_{21} \geq 0$$

$$-a_{11}^3 a_{22}^3 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + a_{12}^3 a_{21}^3 > 0$$

$$a_{11}^8 a_{22}^8 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 -$$

$$56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + a_{12}^8 a_{21}^8 \geq 0$$

$$a_{11}^8 a_{22}^8 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 -$$

$$56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + a_{12}^8 a_{21}^8 > 0$$

pot #13:

symbol a_{12} : $(-inf, 0.0)$

symbol c_1 : $(-0.0, inf)$

symbol c_2 : $(-inf, 0.0)$

symbol a_{11} : $(-0.0, inf)$

symbol a_{22} : $(-0.0, inf)$

symbol b_1 : $[-0.0, inf)$

symbol b_2 : $[-0.0, inf)$

symbol a_{21} : $(-inf, 0.0)$

$$-c_1 a_{22} + c_2 a_{21} > 0$$

$$a_{11} a_{22} - a_{12} a_{21} > 0$$

$$c_2 a_{11} - c_1 a_{12} > 0$$

$$a_{11}^3 a_{22}^3 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 \geq 0$$

$$a_{11}^2 a_{22}^2 - 2.00 \cdot a_{12} a_{11} a_{22} a_{21} + a_{12}^2 a_{21}^2 > 0$$

$$c_2 a_{11}^2 a_{22} - c_1 a_{12} a_{11} a_{22} - a_{12} c_2 a_{11} a_{21} + c_1 a_{12}^2 a_{21} \geq 0$$

$$-a_{11}^3 a_{22}^3 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + a_{12}^3 a_{21}^3 > 0$$

$$-a_{11}^8 a_{22}^8 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 +$$

$$56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - a_{12}^8 a_{21}^8 \geq 0$$

$$-a_{11}^8 a_{22}^8 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 +$$

$$56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - a_{12}^8 a_{21}^8 > 0$$

pot #14:

symbol a_{12} : $(-inf, 0.0)$

symbol c_1 : $(-0.0, inf)$

symbol c_2 : $(-inf, 0.0)$

symbol a_{11} : $(-0.0, inf)$

symbol a_{22} : $(-0.0, inf)$

symbol b_1 : $[-0.0, inf)$

symbol $b_2 : -0.0$

symbol $a_{21} : (-inf, 0.0)$

$-c_1 a_{22} + c_2 a_{21} > 0$

$a_{11} a_{22} - a_{12} a_{21} > 0$

$c_2 a_{11} - c_1 a_{12} > 0$

$a_{11}^3 a_{22}^3 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 \geq 0$

$a_{11}^2 a_{22}^2 - 2.00 \cdot a_{12} a_{11} a_{22} a_{21} + a_{12}^2 a_{21}^2 > 0$

$c_2 a_{11}^2 a_{22} - c_1 a_{12} a_{11} a_{22} - a_{12} c_2 a_{11} a_{21} + c_1 a_{12}^2 a_{21} \geq 0$

$-a_{11}^3 a_{22}^3 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + a_{12}^3 a_{21}^3 > 0$

$a_{11}^8 a_{22}^8 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 -$
 $56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + a_{12}^8 a_{21}^8 \geq 0$

$-a_{11}^8 a_{22}^8 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 +$
 $56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - a_{12}^8 a_{21}^8 > 0$

pot #15:

symbol $a_{12} : (-inf, 0.0)$

symbol $c_1 : (-0.0, inf)$

symbol $c_2 : (-inf, 0.0)$

symbol $a_{11} : (-0.0, inf)$

symbol $a_{22} : (-0.0, inf)$

symbol $b_1 : [-0.0, inf)$

symbol $b_2 : -0.0$

symbol $a_{21} : (-inf, 0.0)$

$-c_1 a_{22} + c_2 a_{21} > 0$

$a_{11} a_{22} - a_{12} a_{21} > 0$

$c_2 a_{11} - c_1 a_{12} > 0$

$a_{11}^3 a_{22}^3 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 \geq 0$

$a_{11}^2 a_{22}^2 - 2.00 \cdot a_{12} a_{11} a_{22} a_{21} + a_{12}^2 a_{21}^2 > 0$

$c_2 a_{11}^2 a_{22} - c_1 a_{12} a_{11} a_{22} - a_{12} c_2 a_{11} a_{21} + c_1 a_{12}^2 a_{21} \geq 0$

$-a_{11}^3 a_{22}^3 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + a_{12}^3 a_{21}^3 > 0$

$-a_{11}^8 a_{22}^8 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 +$
 $56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - a_{12}^8 a_{21}^8 \geq 0$

$a_{11}^8 a_{22}^8 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 -$
 $56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + a_{12}^8 a_{21}^8 > 0$

pot #16:

symbol $a_{12} : (-inf, 0.0)$

symbol $c_1 : (-0.0, inf)$

symbol $c_2 : (-inf, 0.0)$

symbol $a_{11} : (-0.0, inf)$

symbol $a_{22} : (-0.0, inf)$

symbol $b_1 : [-0.0, inf)$

symbol $b_2 : [-0.0, inf)$

symbol $a_{21} : (-inf, 0.0)$

$-c_1 a_{22} + c_2 a_{21} > 0$

$a_{11} a_{22} - a_{12} a_{21} > 0$

$c_2 a_{11} - c_1 a_{12} > 0$

$-a_{11}^3 a_{22}^3 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + a_{12}^3 a_{21}^3 \geq 0$

$-a_{11}^2 a_{22}^2 + 2.00 \cdot a_{12} a_{11} a_{22} a_{21} - a_{12}^2 a_{21}^2 > 0$

$c_2 a_{11}^2 a_{22} - c_1 a_{12} a_{11} a_{22} - a_{12} c_2 a_{11} a_{21} + c_1 a_{12}^2 a_{21} \geq 0$

$a_{11}^3 a_{22}^3 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 > 0$

$a_{11}^8 a_{22}^8 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 -$

$$\begin{aligned}
& 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + a_{12}^8 a_{21}^8 \geq 0 \\
& a_{11}^8 a_{22}^8 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 - \\
& 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + a_{12}^8 a_{21}^8 > 0
\end{aligned}$$

pot #17:

symbol a_{12} : $(-inf, 0.0)$

symbol c_1 : $(-0.0, inf)$

symbol c_2 : $(-inf, 0.0)$

symbol a_{11} : $(-0.0, inf)$

symbol a_{22} : $(-0.0, inf)$

symbol b_1 : $[-0.0, inf)$

symbol b_2 : $[-0.0, inf)$

symbol a_{21} : $(-inf, 0.0)$

$$-c_1 a_{22} + c_2 a_{21} > 0$$

$$a_{11} a_{22} - a_{12} a_{21} > 0$$

$$c_2 a_{11} - c_1 a_{12} > 0$$

$$-a_{11}^3 a_{22}^3 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + a_{12}^3 a_{21}^3 \geq 0$$

$$-a_{11}^2 a_{22}^2 + 2.00 \cdot a_{12} a_{11} a_{22} a_{21} - a_{12}^2 a_{21}^2 > 0$$

$$c_2 a_{11}^2 a_{22} - c_1 a_{12} a_{11} a_{22} - a_{12} c_2 a_{11} a_{21} + c_1 a_{12}^2 a_{21} \geq 0$$

$$a_{11}^3 a_{22}^3 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 > 0$$

$$-a_{11}^8 a_{22}^8 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 +$$

$$56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - a_{12}^8 a_{21}^8 \geq 0$$

$$-a_{11}^8 a_{22}^8 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 +$$

$$56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - a_{12}^8 a_{21}^8 > 0$$

pot #18:

symbol a_{12} : $(-inf, 0.0)$

symbol c_1 : $(-0.0, inf)$

symbol c_2 : $(-inf, 0.0)$

symbol a_{11} : $(-0.0, inf)$

symbol a_{22} : $(-0.0, inf)$

symbol b_1 : $[-0.0, inf)$

symbol b_2 : -0.0

symbol a_{21} : $(-inf, 0.0)$

$$-c_1 a_{22} + c_2 a_{21} > 0$$

$$a_{11} a_{22} - a_{12} a_{21} > 0$$

$$c_2 a_{11} - c_1 a_{12} > 0$$

$$-a_{11}^3 a_{22}^3 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + a_{12}^3 a_{21}^3 \geq 0$$

$$-a_{11}^2 a_{22}^2 + 2.00 \cdot a_{12} a_{11} a_{22} a_{21} - a_{12}^2 a_{21}^2 > 0$$

$$c_2 a_{11}^2 a_{22} - c_1 a_{12} a_{11} a_{22} - a_{12} c_2 a_{11} a_{21} + c_1 a_{12}^2 a_{21} \geq 0$$

$$a_{11}^3 a_{22}^3 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 > 0$$

$$a_{11}^8 a_{22}^8 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 -$$

$$56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + a_{12}^8 a_{21}^8 \geq 0$$

$$-a_{11}^8 a_{22}^8 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 +$$

$$56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - a_{12}^8 a_{21}^8 > 0$$

pot #19:

symbol a_{12} : $(-inf, 0.0)$

symbol c_1 : $(-0.0, inf)$

symbol c_2 : $(-inf, 0.0)$

symbol a_{11} : $(-0.0, inf)$

symbol a_{22} : $(-0.0, inf)$

symbol b_1 : $[-0.0, inf)$

symbol $b_2 : -0.0$

symbol $a_{21} : (-inf, 0.0)$

$-c_1 a_{22} + c_2 a_{21} > 0$

$a_{11} a_{22} - a_{12} a_{21} > 0$

$c_2 a_{11} - c_1 a_{12} > 0$

$-a_{11}^3 a_{22}^3 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + a_{12}^3 a_{21}^3 \geq 0$

$-a_{11}^2 a_{22}^2 + 2.00 \cdot a_{12} a_{11} a_{22} a_{21} - a_{12}^2 a_{21}^2 > 0$

$c_2 a_{11}^2 a_{22} - c_1 a_{12} a_{11} a_{22} - a_{12} c_2 a_{11} a_{21} + c_1 a_{12}^2 a_{21} \geq 0$

$a_{11}^3 a_{22}^3 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 > 0$

$-a_{11}^8 a_{22}^8 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 +$

$56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - a_{12}^8 a_{21}^8 \geq 0$

$a_{11}^8 a_{22}^8 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 -$

$56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + a_{12}^8 a_{21}^8 > 0$

pot #20:

symbol $a_{12} : (-inf, 0.0)$

symbol $c_1 : (-0.0, inf)$

symbol $c_2 : (-inf, 0.0)$

symbol $a_{11} : (-0.0, inf)$

symbol $a_{22} : (-0.0, inf)$

symbol $b_1 : [-0.0, inf)$

symbol $b_2 : [-0.0, inf)$

symbol $a_{21} : (-inf, 0.0)$

$-c_1 a_{22} + c_2 a_{21} > 0$

$a_{11} a_{22} - a_{12} a_{21} > 0$

$c_2 a_{11} - c_1 a_{12} > 0$

$-a_{11}^3 a_{22}^3 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + a_{12}^3 a_{21}^3 \geq 0$

$-a_{11}^2 a_{22}^2 + 2.00 \cdot a_{12} a_{11} a_{22} a_{21} - a_{12}^2 a_{21}^2 > 0$

$c_2 a_{11}^2 a_{22} - c_1 a_{12} a_{11} a_{22} - a_{12} c_2 a_{11} a_{21} + c_1 a_{12}^2 a_{21} \geq 0$

$a_{11}^3 a_{22}^3 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 > 0$

$-a_{11}^3 a_{22}^3 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + a_{12}^3 a_{21}^3 > 0$

$a_{11}^8 a_{22}^8 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 -$

$56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + a_{12}^8 a_{21}^8 \geq 0$

$a_{11}^8 a_{22}^8 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 -$

$56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + a_{12}^8 a_{21}^8 > 0$

pot #21:

symbol $a_{12} : (-inf, 0.0)$

symbol $c_1 : (-0.0, inf)$

symbol $c_2 : (-inf, 0.0)$

symbol $a_{11} : (-0.0, inf)$

symbol $a_{22} : (-0.0, inf)$

symbol $b_1 : [-0.0, inf)$

symbol $b_2 : [-0.0, inf)$

symbol $a_{21} : (-inf, 0.0)$

$-c_1 a_{22} + c_2 a_{21} > 0$

$a_{11} a_{22} - a_{12} a_{21} > 0$

$c_2 a_{11} - c_1 a_{12} > 0$

$-a_{11}^3 a_{22}^3 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + a_{12}^3 a_{21}^3 \geq 0$

$-a_{11}^2 a_{22}^2 + 2.00 \cdot a_{12} a_{11} a_{22} a_{21} - a_{12}^2 a_{21}^2 > 0$

$c_2 a_{11}^2 a_{22} - c_1 a_{12} a_{11} a_{22} - a_{12} c_2 a_{11} a_{21} + c_1 a_{12}^2 a_{21} \geq 0$

$a_{11}^3 a_{22}^3 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 > 0$

$$\begin{aligned}
& -a_{11}^3 a_{22}^3 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + a_{12}^3 a_{21}^3 > 0 \\
& -a_{11}^8 a_{22}^8 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 + \\
& 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - a_{12}^8 a_{21}^8 \geq 0 \\
& -a_{11}^8 a_{22}^8 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 + \\
& 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - a_{12}^8 a_{21}^8 > 0
\end{aligned}$$

pot #22:

symbol a_{12} : $(-inf, 0.0)$

symbol c_1 : $(-0.0, inf)$

symbol c_2 : $(-inf, 0.0)$

symbol a_{11} : $(-0.0, inf)$

symbol a_{22} : $(-0.0, inf)$

symbol b_1 : $[-0.0, inf)$

symbol b_2 : -0.0

symbol a_{21} : $(-inf, 0.0)$

$$-c_1 a_{22} + c_2 a_{21} > 0$$

$$a_{11} a_{22} - a_{12} a_{21} > 0$$

$$c_2 a_{11} - c_1 a_{12} > 0$$

$$-a_{11}^3 a_{22}^3 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + a_{12}^3 a_{21}^3 \geq 0$$

$$-a_{11}^2 a_{22}^2 + 2.00 \cdot a_{12} a_{11} a_{22} a_{21} - a_{12}^2 a_{21}^2 > 0$$

$$c_2 a_{11}^2 a_{22} - c_1 a_{12} a_{11} a_{22} - a_{12} c_2 a_{11} a_{21} + c_1 a_{12}^2 a_{21} \geq 0$$

$$a_{11}^3 a_{22}^3 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 > 0$$

$$-a_{11}^3 a_{22}^3 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + a_{12}^3 a_{21}^3 > 0$$

$$a_{11}^8 a_{22}^8 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 -$$

$$56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + a_{12}^8 a_{21}^8 \geq 0$$

$$-a_{11}^8 a_{22}^8 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 +$$

$$56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - a_{12}^8 a_{21}^8 > 0$$

pot #23:

symbol a_{12} : $(-inf, 0.0)$

symbol c_1 : $(-0.0, inf)$

symbol c_2 : $(-inf, 0.0)$

symbol a_{11} : $(-0.0, inf)$

symbol a_{22} : $(-0.0, inf)$

symbol b_1 : $[-0.0, inf)$

symbol b_2 : -0.0

symbol a_{21} : $(-inf, 0.0)$

$$-c_1 a_{22} + c_2 a_{21} > 0$$

$$a_{11} a_{22} - a_{12} a_{21} > 0$$

$$c_2 a_{11} - c_1 a_{12} > 0$$

$$-a_{11}^3 a_{22}^3 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + a_{12}^3 a_{21}^3 \geq 0$$

$$-a_{11}^2 a_{22}^2 + 2.00 \cdot a_{12} a_{11} a_{22} a_{21} - a_{12}^2 a_{21}^2 > 0$$

$$c_2 a_{11}^2 a_{22} - c_1 a_{12} a_{11} a_{22} - a_{12} c_2 a_{11} a_{21} + c_1 a_{12}^2 a_{21} \geq 0$$

$$a_{11}^3 a_{22}^3 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 > 0$$

$$-a_{11}^3 a_{22}^3 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + a_{12}^3 a_{21}^3 > 0$$

$$-a_{11}^8 a_{22}^8 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 +$$

$$56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - a_{12}^8 a_{21}^8 \geq 0$$

$$a_{11}^8 a_{22}^8 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 -$$

$$56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + a_{12}^8 a_{21}^8 > 0$$

pot #24:

symbol a_{12} : $(-inf, 0.0)$

symbol c_1 : $(-0.0, inf)$

symbol $c_2 : (-inf, 0.0)$
symbol $a_{11} : (-0.0, inf)$
symbol $a_{22} : (-0.0, inf)$
symbol $b_1 : [-0.0, inf)$
symbol $b_2 : [-0.0, inf)$
symbol $a_{21} : (-inf, 0.0)$
 $-c_1 a_{22} + c_2 a_{21} > 0$
 $a_{11} a_{22} - a_{12} a_{21} > 0$
 $c_2 a_{11} - c_1 a_{12} > 0$
 $-a_{11}^3 a_{22}^3 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + a_{12}^3 a_{21}^3 \geq 0$
 $-a_{11}^2 a_{22}^2 + 2.00 \cdot a_{12} a_{11} a_{22} a_{21} - a_{12}^2 a_{21}^2 > 0$
 $c_2 a_{11}^2 a_{22} - c_1 a_{12} a_{11} a_{22} - a_{12} c_2 a_{11} a_{21} + c_1 a_{12}^2 a_{21} \geq 0$
 $-a_{11}^3 a_{22}^3 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + a_{12}^3 a_{21}^3 > 0$
 $a_{11}^3 a_{22}^3 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 > 0$
 $a_{11}^8 a_{22}^8 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 -$
 $56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + a_{12}^8 a_{21}^8 \geq 0$
 $a_{11}^8 a_{22}^8 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 -$
 $56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + a_{12}^8 a_{21}^8 > 0$
pot #25:
symbol $a_{12} : (-inf, 0.0)$
symbol $c_1 : (-0.0, inf)$
symbol $c_2 : (-inf, 0.0)$
symbol $a_{11} : (-0.0, inf)$
symbol $a_{22} : (-0.0, inf)$
symbol $b_1 : [-0.0, inf)$
symbol $b_2 : [-0.0, inf)$
symbol $a_{21} : (-inf, 0.0)$
 $-c_1 a_{22} + c_2 a_{21} > 0$
 $a_{11} a_{22} - a_{12} a_{21} > 0$
 $c_2 a_{11} - c_1 a_{12} > 0$
 $-a_{11}^3 a_{22}^3 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + a_{12}^3 a_{21}^3 \geq 0$
 $-a_{11}^2 a_{22}^2 + 2.00 \cdot a_{12} a_{11} a_{22} a_{21} - a_{12}^2 a_{21}^2 > 0$
 $c_2 a_{11}^2 a_{22} - c_1 a_{12} a_{11} a_{22} - a_{12} c_2 a_{11} a_{21} + c_1 a_{12}^2 a_{21} \geq 0$
 $-a_{11}^3 a_{22}^3 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + a_{12}^3 a_{21}^3 > 0$
 $a_{11}^3 a_{22}^3 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 > 0$
 $-a_{11}^8 a_{22}^8 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 +$
 $56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - a_{12}^8 a_{21}^8 \geq 0$
 $-a_{11}^8 a_{22}^8 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 +$
 $56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - a_{12}^8 a_{21}^8 > 0$
pot #26:
symbol $a_{12} : (-inf, 0.0)$
symbol $c_1 : (-0.0, inf)$
symbol $c_2 : (-inf, 0.0)$
symbol $a_{11} : (-0.0, inf)$
symbol $a_{22} : (-0.0, inf)$
symbol $b_1 : [-0.0, inf)$
symbol $b_2 : -0.0$
symbol $a_{21} : (-inf, 0.0)$
 $-c_1 a_{22} + c_2 a_{21} > 0$
 $a_{11} a_{22} - a_{12} a_{21} > 0$

$$56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + a_{12}^8 a_{21}^8 > 0$$

pot #29:

symbol a_{12} : $(-inf, 0.0)$

symbol c_1 : $(-0.0, inf)$

symbol c_2 : $(-inf, 0.0)$

symbol a_{11} : $(-0.0, inf)$

symbol a_{22} : $(-0.0, inf)$

symbol b_1 : $[-0.0, inf)$

symbol b_2 : $[-0.0, inf)$

symbol a_{21} : $(-inf, 0.0)$

$$-c_1 a_{22} + c_2 a_{21} > 0$$

$$a_{11} a_{22} - a_{12} a_{21} > 0$$

$$c_2 a_{11} - c_1 a_{12} > 0$$

$$-a_{11}^3 a_{22}^3 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + a_{12}^3 a_{21}^3 \geq 0$$

$$-a_{11}^2 a_{22}^2 + 2.00 \cdot a_{12} a_{11} a_{22} a_{21} - a_{12}^2 a_{21}^2 > 0$$

$$c_2 a_{11}^2 a_{22} - c_1 a_{12} a_{11} a_{22} - a_{12} c_2 a_{11} a_{21} + c_1 a_{12}^2 a_{21} \geq 0$$

$$-a_{11}^3 a_{22}^3 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + a_{12}^3 a_{21}^3 > 0$$

$$-a_{11}^8 a_{22}^8 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 +$$

$$56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - a_{12}^8 a_{21}^8 \geq 0$$

$$-a_{11}^8 a_{22}^8 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 +$$

$$56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - a_{12}^8 a_{21}^8 > 0$$

pot #30:

symbol a_{12} : $(-inf, 0.0)$

symbol c_1 : $(-0.0, inf)$

symbol c_2 : $(-inf, 0.0)$

symbol a_{11} : $(-0.0, inf)$

symbol a_{22} : $(-0.0, inf)$

symbol b_1 : $[-0.0, inf)$

symbol b_2 : -0.0

symbol a_{21} : $(-inf, 0.0)$

$$-c_1 a_{22} + c_2 a_{21} > 0$$

$$a_{11} a_{22} - a_{12} a_{21} > 0$$

$$c_2 a_{11} - c_1 a_{12} > 0$$

$$-a_{11}^3 a_{22}^3 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + a_{12}^3 a_{21}^3 \geq 0$$

$$-a_{11}^2 a_{22}^2 + 2.00 \cdot a_{12} a_{11} a_{22} a_{21} - a_{12}^2 a_{21}^2 > 0$$

$$c_2 a_{11}^2 a_{22} - c_1 a_{12} a_{11} a_{22} - a_{12} c_2 a_{11} a_{21} + c_1 a_{12}^2 a_{21} \geq 0$$

$$-a_{11}^3 a_{22}^3 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + a_{12}^3 a_{21}^3 > 0$$

$$a_{11}^8 a_{22}^8 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 -$$

$$56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + a_{12}^8 a_{21}^8 \geq 0$$

$$-a_{11}^8 a_{22}^8 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 +$$

$$56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - a_{12}^8 a_{21}^8 > 0$$

pot #31:

symbol a_{12} : $(-inf, 0.0)$

symbol c_1 : $(-0.0, inf)$

symbol c_2 : $(-inf, 0.0)$

symbol a_{11} : $(-0.0, inf)$

symbol a_{22} : $(-0.0, inf)$

symbol b_1 : $[-0.0, inf)$

symbol b_2 : -0.0

symbol a_{21} : $(-inf, 0.0)$

$$56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - a_{12}^8 a_{21}^8 > 0$$

pot #34:

symbol a_{12} : $(-inf, 0.0)$

symbol c_1 : $(-0.0, inf)$

symbol c_2 : $(-inf, 0.0)$

symbol a_{11} : $(-0.0, inf)$

symbol a_{22} : $(-0.0, inf)$

symbol b_1 : -0.0

symbol b_2 : -0.0

symbol a_{21} : $(-inf, 0.0)$

$$-c_1 a_{22} + c_2 a_{21} > 0$$

$$a_{11} a_{22} - a_{12} a_{21} > 0$$

$$c_2 a_{11} - c_1 a_{12} > 0$$

$$a_{11}^3 a_{22}^3 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 \geq 0$$

$$-a_{11}^2 a_{22}^2 + 2.00 \cdot a_{12} a_{11} a_{22} a_{21} - a_{12}^2 a_{21}^2 > 0$$

$$c_2 a_{11}^2 a_{22} - c_1 a_{12} a_{11} a_{22} - a_{12} c_2 a_{11} a_{21} + c_1 a_{12}^2 a_{21} \geq 0$$

$$a_{11}^3 a_{22}^3 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 > 0$$

$$a_{11}^8 a_{22}^8 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 - 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + a_{12}^8 a_{21}^8 \geq 0$$

$$-a_{11}^8 a_{22}^8 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 + 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - a_{12}^8 a_{21}^8 > 0$$

pot #35:

symbol a_{12} : $(-inf, 0.0)$

symbol c_1 : $(-0.0, inf)$

symbol c_2 : $(-inf, 0.0)$

symbol a_{11} : $(-0.0, inf)$

symbol a_{22} : $(-0.0, inf)$

symbol b_1 : -0.0

symbol b_2 : -0.0

symbol a_{21} : $(-inf, 0.0)$

$$-c_1 a_{22} + c_2 a_{21} > 0$$

$$a_{11} a_{22} - a_{12} a_{21} > 0$$

$$c_2 a_{11} - c_1 a_{12} > 0$$

$$a_{11}^3 a_{22}^3 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 \geq 0$$

$$-a_{11}^2 a_{22}^2 + 2.00 \cdot a_{12} a_{11} a_{22} a_{21} - a_{12}^2 a_{21}^2 > 0$$

$$c_2 a_{11}^2 a_{22} - c_1 a_{12} a_{11} a_{22} - a_{12} c_2 a_{11} a_{21} + c_1 a_{12}^2 a_{21} \geq 0$$

$$a_{11}^3 a_{22}^3 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 > 0$$

$$-a_{11}^8 a_{22}^8 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 + 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - a_{12}^8 a_{21}^8 \geq 0$$

$$a_{11}^8 a_{22}^8 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 - 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + a_{12}^8 a_{21}^8 > 0$$

pot #36:

symbol a_{12} : $(-inf, 0.0)$

symbol c_1 : $(-0.0, inf)$

symbol c_2 : $(-inf, 0.0)$

symbol a_{11} : $(-0.0, inf)$

symbol a_{22} : $(-0.0, inf)$

symbol b_1 : -0.0

symbol b_2 : $[-0.0, inf)$

symbol a_{21} : $(-inf, 0.0)$

$$\begin{aligned}
& -c_1 a_{22} + c_2 a_{21} > 0 \\
& a_{11} a_{22} - a_{12} a_{21} > 0 \\
& c_2 a_{11} - c_1 a_{12} > 0 \\
& a_{11}^3 a_{22}^3 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 \geq 0 \\
& -a_{11}^2 a_{22}^2 + 2.00 \cdot a_{12} a_{11} a_{22} a_{21} - a_{12}^2 a_{21}^2 > 0 \\
& c_2 a_{11}^2 a_{22} - c_1 a_{12} a_{11} a_{22} - a_{12} c_2 a_{11} a_{21} + c_1 a_{12}^2 a_{21} \geq 0 \\
& a_{11}^3 a_{22}^3 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 > 0 \\
& -a_{11}^3 a_{22}^3 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + a_{12}^3 a_{21}^3 > 0 \\
& a_{11}^8 a_{22}^8 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 - \\
& 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + a_{12}^8 a_{21}^8 \geq 0 \\
& a_{11}^8 a_{22}^8 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 - \\
& 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + a_{12}^8 a_{21}^8 > 0
\end{aligned}$$

pot #37:

symbol a_{12} : $(-inf, 0.0)$

symbol c_1 : $(-0.0, inf)$

symbol c_2 : $(-inf, 0.0)$

symbol a_{11} : $(-0.0, inf)$

symbol a_{22} : $(-0.0, inf)$

symbol b_1 : -0.0

symbol b_2 : $[-0.0, inf)$

symbol a_{21} : $(-inf, 0.0)$

$$-c_1 a_{22} + c_2 a_{21} > 0$$

$$a_{11} a_{22} - a_{12} a_{21} > 0$$

$$c_2 a_{11} - c_1 a_{12} > 0$$

$$a_{11}^3 a_{22}^3 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 \geq 0$$

$$-a_{11}^2 a_{22}^2 + 2.00 \cdot a_{12} a_{11} a_{22} a_{21} - a_{12}^2 a_{21}^2 > 0$$

$$c_2 a_{11}^2 a_{22} - c_1 a_{12} a_{11} a_{22} - a_{12} c_2 a_{11} a_{21} + c_1 a_{12}^2 a_{21} \geq 0$$

$$a_{11}^3 a_{22}^3 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 > 0$$

$$-a_{11}^3 a_{22}^3 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + a_{12}^3 a_{21}^3 > 0$$

$$-a_{11}^8 a_{22}^8 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 +$$

$$56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - a_{12}^8 a_{21}^8 \geq 0$$

$$-a_{11}^8 a_{22}^8 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 +$$

$$56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - a_{12}^8 a_{21}^8 > 0$$

pot #38:

symbol a_{12} : $(-inf, 0.0)$

symbol c_1 : $(-0.0, inf)$

symbol c_2 : $(-inf, 0.0)$

symbol a_{11} : $(-0.0, inf)$

symbol a_{22} : $(-0.0, inf)$

symbol b_1 : -0.0

symbol b_2 : -0.0

symbol a_{21} : $(-inf, 0.0)$

$$-c_1 a_{22} + c_2 a_{21} > 0$$

$$a_{11} a_{22} - a_{12} a_{21} > 0$$

$$c_2 a_{11} - c_1 a_{12} > 0$$

$$a_{11}^3 a_{22}^3 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 \geq 0$$

$$-a_{11}^2 a_{22}^2 + 2.00 \cdot a_{12} a_{11} a_{22} a_{21} - a_{12}^2 a_{21}^2 > 0$$

$$c_2 a_{11}^2 a_{22} - c_1 a_{12} a_{11} a_{22} - a_{12} c_2 a_{11} a_{21} + c_1 a_{12}^2 a_{21} \geq 0$$

$$a_{11}^3 a_{22}^3 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 > 0$$

$$-a_{11}^3 a_{22}^3 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + a_{12}^3 a_{21}^3 > 0$$

$$\begin{aligned}
& a_{11}^8 a_{22}^8 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 - \\
& 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + a_{12}^8 a_{21}^8 \geq 0 \\
& -a_{11}^8 a_{22}^8 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 + \\
& 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - a_{12}^8 a_{21}^8 > 0
\end{aligned}$$

pot #39:

symbol a_{12} : $(-inf, 0.0)$

symbol c_1 : $(-0.0, inf)$

symbol c_2 : $(-inf, 0.0)$

symbol a_{11} : $(-0.0, inf)$

symbol a_{22} : $(-0.0, inf)$

symbol b_1 : -0.0

symbol b_2 : -0.0

symbol a_{21} : $(-inf, 0.0)$

$$-c_1 a_{22} + c_2 a_{21} > 0$$

$$a_{11} a_{22} - a_{12} a_{21} > 0$$

$$c_2 a_{11} - c_1 a_{12} > 0$$

$$a_{11}^3 a_{22}^3 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 \geq 0$$

$$-a_{11}^2 a_{22}^2 + 2.00 \cdot a_{12} a_{11} a_{22} a_{21} - a_{12}^2 a_{21}^2 > 0$$

$$c_2 a_{11}^2 a_{22} - c_1 a_{12} a_{11} a_{22} - a_{12} c_2 a_{11} a_{21} + c_1 a_{12}^2 a_{21} \geq 0$$

$$a_{11}^3 a_{22}^3 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 > 0$$

$$-a_{11}^3 a_{22}^3 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + a_{12}^3 a_{21}^3 > 0$$

$$-a_{11}^8 a_{22}^8 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 +$$

$$56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - a_{12}^8 a_{21}^8 \geq 0$$

$$a_{11}^8 a_{22}^8 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 -$$

$$56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + a_{12}^8 a_{21}^8 > 0$$

pot #40:

symbol a_{12} : $(-inf, 0.0)$

symbol c_1 : $(-0.0, inf)$

symbol c_2 : $(-inf, 0.0)$

symbol a_{11} : $(-0.0, inf)$

symbol a_{22} : $(-0.0, inf)$

symbol b_1 : -0.0

symbol b_2 : $[-0.0, inf)$

symbol a_{21} : $(-inf, 0.0)$

$$-c_1 a_{22} + c_2 a_{21} > 0$$

$$a_{11} a_{22} - a_{12} a_{21} > 0$$

$$c_2 a_{11} - c_1 a_{12} > 0$$

$$a_{11}^3 a_{22}^3 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 \geq 0$$

$$-a_{11}^2 a_{22}^2 + 2.00 \cdot a_{12} a_{11} a_{22} a_{21} - a_{12}^2 a_{21}^2 > 0$$

$$c_2 a_{11}^2 a_{22} - c_1 a_{12} a_{11} a_{22} - a_{12} c_2 a_{11} a_{21} + c_1 a_{12}^2 a_{21} \geq 0$$

$$-a_{11}^3 a_{22}^3 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + a_{12}^3 a_{21}^3 > 0$$

$$a_{11}^3 a_{22}^3 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 > 0$$

$$a_{11}^8 a_{22}^8 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 -$$

$$56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + a_{12}^8 a_{21}^8 \geq 0$$

$$a_{11}^8 a_{22}^8 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 -$$

$$56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + a_{12}^8 a_{21}^8 > 0$$

pot #41:

symbol a_{12} : $(-inf, 0.0)$

symbol c_1 : $(-0.0, inf)$

symbol c_2 : $(-inf, 0.0)$

symbol $a_{11} : (-0.0, inf)$

symbol $a_{22} : (-0.0, inf)$

symbol $b_1 : -0.0$

symbol $b_2 : [-0.0, inf)$

symbol $a_{21} : (-inf, 0.0)$

$$-c_1 a_{22} + c_2 a_{21} > 0$$

$$a_{11} a_{22} - a_{12} a_{21} > 0$$

$$c_2 a_{11} - c_1 a_{12} > 0$$

$$a_{11}^3 a_{22}^3 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 \geq 0$$

$$-a_{11}^2 a_{22}^2 + 2.00 \cdot a_{12} a_{11} a_{22} a_{21} - a_{12}^2 a_{21}^2 > 0$$

$$c_2 a_{11}^2 a_{22} - c_1 a_{12} a_{11} a_{22} - a_{12} c_2 a_{11} a_{21} + c_1 a_{12}^2 a_{21} \geq 0$$

$$-a_{11}^3 a_{22}^3 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + a_{12}^3 a_{21}^3 > 0$$

$$a_{11}^3 a_{22}^3 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 > 0$$

$$-a_{11}^8 a_{22}^8 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 +$$

$$56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - a_{12}^8 a_{21}^8 \geq 0$$

$$-a_{11}^8 a_{22}^8 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 +$$

$$56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - a_{12}^8 a_{21}^8 > 0$$

pot #42:

symbol $a_{12} : (-inf, 0.0)$

symbol $c_1 : (-0.0, inf)$

symbol $c_2 : (-inf, 0.0)$

symbol $a_{11} : (-0.0, inf)$

symbol $a_{22} : (-0.0, inf)$

symbol $b_1 : -0.0$

symbol $b_2 : -0.0$

symbol $a_{21} : (-inf, 0.0)$

$$-c_1 a_{22} + c_2 a_{21} > 0$$

$$a_{11} a_{22} - a_{12} a_{21} > 0$$

$$c_2 a_{11} - c_1 a_{12} > 0$$

$$a_{11}^3 a_{22}^3 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 \geq 0$$

$$-a_{11}^2 a_{22}^2 + 2.00 \cdot a_{12} a_{11} a_{22} a_{21} - a_{12}^2 a_{21}^2 > 0$$

$$c_2 a_{11}^2 a_{22} - c_1 a_{12} a_{11} a_{22} - a_{12} c_2 a_{11} a_{21} + c_1 a_{12}^2 a_{21} \geq 0$$

$$-a_{11}^3 a_{22}^3 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + a_{12}^3 a_{21}^3 > 0$$

$$a_{11}^3 a_{22}^3 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 > 0$$

$$a_{11}^8 a_{22}^8 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 -$$

$$56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + a_{12}^8 a_{21}^8 \geq 0$$

$$-a_{11}^8 a_{22}^8 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 +$$

$$56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - a_{12}^8 a_{21}^8 > 0$$

pot #43:

symbol $a_{12} : (-inf, 0.0)$

symbol $c_1 : (-0.0, inf)$

symbol $c_2 : (-inf, 0.0)$

symbol $a_{11} : (-0.0, inf)$

symbol $a_{22} : (-0.0, inf)$

symbol $b_1 : -0.0$

symbol $b_2 : -0.0$

symbol $a_{21} : (-inf, 0.0)$

$$-c_1 a_{22} + c_2 a_{21} > 0$$

$$a_{11} a_{22} - a_{12} a_{21} > 0$$

$$c_2 a_{11} - c_1 a_{12} > 0$$

$$\begin{aligned}
& a_{11}^3 a_{22}^3 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 \geq 0 \\
& -a_{11}^2 a_{22}^2 + 2.00 \cdot a_{12} a_{11} a_{22} a_{21} - a_{12}^2 a_{21}^2 > 0 \\
& c_2 a_{11}^2 a_{22} - c_1 a_{12} a_{11} a_{22} - a_{12} c_2 a_{11} a_{21} + c_1 a_{12}^2 a_{21} \geq 0 \\
& -a_{11}^3 a_{22}^3 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + a_{12}^3 a_{21}^3 > 0 \\
& a_{11}^3 a_{22}^3 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 > 0 \\
& -a_{11}^8 a_{22}^8 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 + \\
& 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - a_{12}^8 a_{21}^8 \geq 0 \\
& a_{11}^8 a_{22}^8 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 - \\
& 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + a_{12}^8 a_{21}^8 > 0
\end{aligned}$$

pot #44:

symbol a_{12} : $(-inf, 0.0)$

symbol c_1 : $(-0.0, inf)$

symbol c_2 : $(-inf, 0.0)$

symbol a_{11} : $(-0.0, inf)$

symbol a_{22} : $(-0.0, inf)$

symbol b_1 : -0.0

symbol b_2 : $[-0.0, inf)$

symbol a_{21} : $(-inf, 0.0)$

$$-c_1 a_{22} + c_2 a_{21} > 0$$

$$a_{11} a_{22} - a_{12} a_{21} > 0$$

$$c_2 a_{11} - c_1 a_{12} > 0$$

$$a_{11}^3 a_{22}^3 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 \geq 0$$

$$-a_{11}^2 a_{22}^2 + 2.00 \cdot a_{12} a_{11} a_{22} a_{21} - a_{12}^2 a_{21}^2 > 0$$

$$c_2 a_{11}^2 a_{22} - c_1 a_{12} a_{11} a_{22} - a_{12} c_2 a_{11} a_{21} + c_1 a_{12}^2 a_{21} \geq 0$$

$$-a_{11}^3 a_{22}^3 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + a_{12}^3 a_{21}^3 > 0$$

$$a_{11}^8 a_{22}^8 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 -$$

$$56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + a_{12}^8 a_{21}^8 \geq 0$$

$$a_{11}^8 a_{22}^8 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 -$$

$$56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + a_{12}^8 a_{21}^8 > 0$$

pot #45:

symbol a_{12} : $(-inf, 0.0)$

symbol c_1 : $(-0.0, inf)$

symbol c_2 : $(-inf, 0.0)$

symbol a_{11} : $(-0.0, inf)$

symbol a_{22} : $(-0.0, inf)$

symbol b_1 : -0.0

symbol b_2 : $[-0.0, inf)$

symbol a_{21} : $(-inf, 0.0)$

$$-c_1 a_{22} + c_2 a_{21} > 0$$

$$a_{11} a_{22} - a_{12} a_{21} > 0$$

$$c_2 a_{11} - c_1 a_{12} > 0$$

$$a_{11}^3 a_{22}^3 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 \geq 0$$

$$-a_{11}^2 a_{22}^2 + 2.00 \cdot a_{12} a_{11} a_{22} a_{21} - a_{12}^2 a_{21}^2 > 0$$

$$c_2 a_{11}^2 a_{22} - c_1 a_{12} a_{11} a_{22} - a_{12} c_2 a_{11} a_{21} + c_1 a_{12}^2 a_{21} \geq 0$$

$$-a_{11}^3 a_{22}^3 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + a_{12}^3 a_{21}^3 > 0$$

$$-a_{11}^8 a_{22}^8 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 +$$

$$56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - a_{12}^8 a_{21}^8 \geq 0$$

$$-a_{11}^8 a_{22}^8 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 +$$

$$56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - a_{12}^8 a_{21}^8 > 0$$

pot #46:

symbol a_{12} : $(-inf, 0.0)$

symbol c_1 : $(-0.0, inf)$

symbol c_2 : $(-inf, 0.0)$

symbol a_{11} : $(-0.0, inf)$

symbol a_{22} : $(-0.0, inf)$

symbol b_1 : -0.0

symbol b_2 : -0.0

symbol a_{21} : $(-inf, 0.0)$

$$-c_1 a_{22} + c_2 a_{21} > 0$$

$$a_{11} a_{22} - a_{12} a_{21} > 0$$

$$c_2 a_{11} - c_1 a_{12} > 0$$

$$a_{11}^3 a_{22}^3 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 \geq 0$$

$$-a_{11}^2 a_{22}^2 + 2.00 \cdot a_{12} a_{11} a_{22} a_{21} - a_{12}^2 a_{21}^2 > 0$$

$$c_2 a_{11}^2 a_{22} - c_1 a_{12} a_{11} a_{22} - a_{12} c_2 a_{11} a_{21} + c_1 a_{12}^2 a_{21} \geq 0$$

$$-a_{11}^3 a_{22}^3 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + a_{12}^3 a_{21}^3 > 0$$

$$a_{11}^8 a_{22}^8 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 -$$

$$56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + a_{12}^8 a_{21}^8 \geq 0$$

$$-a_{11}^8 a_{22}^8 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 +$$

$$56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - a_{12}^8 a_{21}^8 > 0$$

pot #47:

symbol a_{12} : $(-inf, 0.0)$

symbol c_1 : $(-0.0, inf)$

symbol c_2 : $(-inf, 0.0)$

symbol a_{11} : $(-0.0, inf)$

symbol a_{22} : $(-0.0, inf)$

symbol b_1 : -0.0

symbol b_2 : -0.0

symbol a_{21} : $(-inf, 0.0)$

$$-c_1 a_{22} + c_2 a_{21} > 0$$

$$a_{11} a_{22} - a_{12} a_{21} > 0$$

$$c_2 a_{11} - c_1 a_{12} > 0$$

$$a_{11}^3 a_{22}^3 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 \geq 0$$

$$-a_{11}^2 a_{22}^2 + 2.00 \cdot a_{12} a_{11} a_{22} a_{21} - a_{12}^2 a_{21}^2 > 0$$

$$c_2 a_{11}^2 a_{22} - c_1 a_{12} a_{11} a_{22} - a_{12} c_2 a_{11} a_{21} + c_1 a_{12}^2 a_{21} \geq 0$$

$$-a_{11}^3 a_{22}^3 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + a_{12}^3 a_{21}^3 > 0$$

$$-a_{11}^8 a_{22}^8 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 +$$

$$56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - a_{12}^8 a_{21}^8 \geq 0$$

$$a_{11}^8 a_{22}^8 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 -$$

$$56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + a_{12}^8 a_{21}^8 > 0$$

pot #48:

symbol a_{12} : $(-inf, 0.0)$

symbol c_1 : $(-0.0, inf)$

symbol c_2 : $(-inf, 0.0)$

symbol a_{11} : $(-0.0, inf)$

symbol a_{22} : $(-0.0, inf)$

symbol b_1 : -0.0

symbol b_2 : $[-0.0, inf)$

symbol a_{21} : $(-inf, 0.0)$

$$-c_1 a_{22} + c_2 a_{21} > 0$$

$$a_{11} a_{22} - a_{12} a_{21} > 0$$

symbol a_{12} : $(-inf, 0.0)$
symbol c_1 : $(-0.0, inf)$
symbol c_2 : $(-inf, 0.0)$
symbol a_{11} : $(-0.0, inf)$
symbol a_{22} : $(-0.0, inf)$
symbol b_1 : -0.0
symbol b_2 : -0.0
symbol a_{21} : $(-inf, 0.0)$
 $-c_1 a_{22} + c_2 a_{21} > 0$
 $a_{11} a_{22} - a_{12} a_{21} > 0$
 $c_2 a_{11} - c_1 a_{12} > 0$
 $-a_{11}^3 a_{22}^3 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + a_{12}^3 a_{21}^3 \geq 0$
 $a_{11}^2 a_{22}^2 - 2.00 \cdot a_{12} a_{11} a_{22} a_{21} + a_{12}^2 a_{21}^2 > 0$
 $c_2 a_{11}^2 a_{22} - c_1 a_{12} a_{11} a_{22} - a_{12} c_2 a_{11} a_{21} + c_1 a_{12}^2 a_{21} \geq 0$
 $a_{11}^3 a_{22}^3 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 > 0$
 $-a_{11}^8 a_{22}^8 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 +$
 $56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - a_{12}^8 a_{21}^8 \geq 0$
 $a_{11}^8 a_{22}^8 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 -$
 $56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + a_{12}^8 a_{21}^8 > 0$
pot #52:
symbol a_{12} : $(-inf, 0.0)$
symbol c_1 : $(-0.0, inf)$
symbol c_2 : $(-inf, 0.0)$
symbol a_{11} : $(-0.0, inf)$
symbol a_{22} : $(-0.0, inf)$
symbol b_1 : -0.0
symbol b_2 : $[-0.0, inf)$
symbol a_{21} : $(-inf, 0.0)$
 $-c_1 a_{22} + c_2 a_{21} > 0$
 $a_{11} a_{22} - a_{12} a_{21} > 0$
 $c_2 a_{11} - c_1 a_{12} > 0$
 $-a_{11}^3 a_{22}^3 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + a_{12}^3 a_{21}^3 \geq 0$
 $a_{11}^2 a_{22}^2 - 2.00 \cdot a_{12} a_{11} a_{22} a_{21} + a_{12}^2 a_{21}^2 > 0$
 $c_2 a_{11}^2 a_{22} - c_1 a_{12} a_{11} a_{22} - a_{12} c_2 a_{11} a_{21} + c_1 a_{12}^2 a_{21} \geq 0$
 $a_{11}^3 a_{22}^3 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 > 0$
 $-a_{11}^3 a_{22}^3 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + a_{12}^3 a_{21}^3 > 0$
 $a_{11}^8 a_{22}^8 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 -$
 $56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + a_{12}^8 a_{21}^8 \geq 0$
 $a_{11}^8 a_{22}^8 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 -$
 $56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + a_{12}^8 a_{21}^8 > 0$
pot #53:
symbol a_{12} : $(-inf, 0.0)$
symbol c_1 : $(-0.0, inf)$
symbol c_2 : $(-inf, 0.0)$
symbol a_{11} : $(-0.0, inf)$
symbol a_{22} : $(-0.0, inf)$
symbol b_1 : -0.0
symbol b_2 : $[-0.0, inf)$
symbol a_{21} : $(-inf, 0.0)$
 $-c_1 a_{22} + c_2 a_{21} > 0$

$$a_{11}a_{22} - a_{12}a_{21} > 0$$

$$c_2a_{11} - c_1a_{12} > 0$$

$$-a_{11}^3a_{22}^3 + 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} - 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 + a_{12}^3a_{21}^3 \geq 0$$

$$a_{11}^2a_{22}^2 - 2.00 \cdot a_{12}a_{11}a_{22}a_{21} + a_{12}^2a_{21}^2 > 0$$

$$c_2a_{11}^2a_{22} - c_1a_{12}a_{11}a_{22} - a_{12}c_2a_{11}a_{21} + c_1a_{12}^2a_{21} \geq 0$$

$$a_{11}^3a_{22}^3 - 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} + 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 - a_{12}^3a_{21}^3 > 0$$

$$-a_{11}^3a_{22}^3 + 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} - 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 + a_{12}^3a_{21}^3 > 0$$

$$-a_{11}^8a_{22}^8 + 8.00 \cdot a_{12}a_{11}^7a_{22}^7a_{21} - 28.00 \cdot a_{12}^2a_{11}^6a_{22}^6a_{21}^2 + 56.00 \cdot a_{12}^3a_{11}^5a_{22}^5a_{21}^3 - 70.00 \cdot a_{12}^4a_{11}^4a_{22}^4a_{21}^4 + 56.00 \cdot a_{12}^5a_{11}^3a_{22}^3a_{21}^5 - 28.00 \cdot a_{12}^6a_{11}^2a_{22}^2a_{21}^6 + 8.00 \cdot a_{12}^7a_{11}a_{22}a_{21}^7 - a_{12}^8a_{21}^8 \geq 0$$

$$-a_{11}^8a_{22}^8 + 8.00 \cdot a_{12}a_{11}^7a_{22}^7a_{21} - 28.00 \cdot a_{12}^2a_{11}^6a_{22}^6a_{21}^2 + 56.00 \cdot a_{12}^3a_{11}^5a_{22}^5a_{21}^3 - 70.00 \cdot a_{12}^4a_{11}^4a_{22}^4a_{21}^4 + 56.00 \cdot a_{12}^5a_{11}^3a_{22}^3a_{21}^5 - 28.00 \cdot a_{12}^6a_{11}^2a_{22}^2a_{21}^6 + 8.00 \cdot a_{12}^7a_{11}a_{22}a_{21}^7 - a_{12}^8a_{21}^8 > 0$$

pot #54:

symbol a_{12} : $(-inf, 0.0)$

symbol c_1 : $(-0.0, inf)$

symbol c_2 : $(-inf, 0.0)$

symbol a_{11} : $(-0.0, inf)$

symbol a_{22} : $(-0.0, inf)$

symbol b_1 : -0.0

symbol b_2 : -0.0

symbol a_{21} : $(-inf, 0.0)$

$$-c_1a_{22} + c_2a_{21} > 0$$

$$a_{11}a_{22} - a_{12}a_{21} > 0$$

$$c_2a_{11} - c_1a_{12} > 0$$

$$-a_{11}^3a_{22}^3 + 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} - 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 + a_{12}^3a_{21}^3 \geq 0$$

$$a_{11}^2a_{22}^2 - 2.00 \cdot a_{12}a_{11}a_{22}a_{21} + a_{12}^2a_{21}^2 > 0$$

$$c_2a_{11}^2a_{22} - c_1a_{12}a_{11}a_{22} - a_{12}c_2a_{11}a_{21} + c_1a_{12}^2a_{21} \geq 0$$

$$a_{11}^3a_{22}^3 - 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} + 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 - a_{12}^3a_{21}^3 > 0$$

$$-a_{11}^3a_{22}^3 + 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} - 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 + a_{12}^3a_{21}^3 > 0$$

$$a_{11}^8a_{22}^8 - 8.00 \cdot a_{12}a_{11}^7a_{22}^7a_{21} + 28.00 \cdot a_{12}^2a_{11}^6a_{22}^6a_{21}^2 - 56.00 \cdot a_{12}^3a_{11}^5a_{22}^5a_{21}^3 + 70.00 \cdot a_{12}^4a_{11}^4a_{22}^4a_{21}^4 - 56.00 \cdot a_{12}^5a_{11}^3a_{22}^3a_{21}^5 + 28.00 \cdot a_{12}^6a_{11}^2a_{22}^2a_{21}^6 - 8.00 \cdot a_{12}^7a_{11}a_{22}a_{21}^7 + a_{12}^8a_{21}^8 \geq 0$$

$$-a_{11}^8a_{22}^8 + 8.00 \cdot a_{12}a_{11}^7a_{22}^7a_{21} - 28.00 \cdot a_{12}^2a_{11}^6a_{22}^6a_{21}^2 + 56.00 \cdot a_{12}^3a_{11}^5a_{22}^5a_{21}^3 - 70.00 \cdot a_{12}^4a_{11}^4a_{22}^4a_{21}^4 + 56.00 \cdot a_{12}^5a_{11}^3a_{22}^3a_{21}^5 - 28.00 \cdot a_{12}^6a_{11}^2a_{22}^2a_{21}^6 + 8.00 \cdot a_{12}^7a_{11}a_{22}a_{21}^7 - a_{12}^8a_{21}^8 > 0$$

pot #55:

symbol a_{12} : $(-inf, 0.0)$

symbol c_1 : $(-0.0, inf)$

symbol c_2 : $(-inf, 0.0)$

symbol a_{11} : $(-0.0, inf)$

symbol a_{22} : $(-0.0, inf)$

symbol b_1 : -0.0

symbol b_2 : -0.0

symbol a_{21} : $(-inf, 0.0)$

$$-c_1a_{22} + c_2a_{21} > 0$$

$$a_{11}a_{22} - a_{12}a_{21} > 0$$

$$c_2a_{11} - c_1a_{12} > 0$$

$$-a_{11}^3a_{22}^3 + 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} - 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 + a_{12}^3a_{21}^3 \geq 0$$

$$a_{11}^2a_{22}^2 - 2.00 \cdot a_{12}a_{11}a_{22}a_{21} + a_{12}^2a_{21}^2 > 0$$

$$c_2a_{11}^2a_{22} - c_1a_{12}a_{11}a_{22} - a_{12}c_2a_{11}a_{21} + c_1a_{12}^2a_{21} \geq 0$$

$$a_{11}^3a_{22}^3 - 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} + 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 - a_{12}^3a_{21}^3 > 0$$

$$-a_{11}^3a_{22}^3 + 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} - 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 + a_{12}^3a_{21}^3 > 0$$

$$-a_{11}^8a_{22}^8 + 8.00 \cdot a_{12}a_{11}^7a_{22}^7a_{21} - 28.00 \cdot a_{12}^2a_{11}^6a_{22}^6a_{21}^2 + 56.00 \cdot a_{12}^3a_{11}^5a_{22}^5a_{21}^3 - 70.00 \cdot a_{12}^4a_{11}^4a_{22}^4a_{21}^4 +$$

$$\begin{aligned}
& 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - a_{12}^8 a_{21}^8 \geq 0 \\
& a_{11}^8 a_{22}^8 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 - \\
& 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + a_{12}^8 a_{21}^8 > 0
\end{aligned}$$

pot #56:

symbol a_{12} : $(-inf, 0.0)$

symbol c_1 : $(-0.0, inf)$

symbol c_2 : $(-inf, 0.0)$

symbol a_{11} : $(-0.0, inf)$

symbol a_{22} : $(-0.0, inf)$

symbol b_1 : -0.0

symbol b_2 : $[-0.0, inf)$

symbol a_{21} : $(-inf, 0.0)$

$$-c_1 a_{22} + c_2 a_{21} > 0$$

$$a_{11} a_{22} - a_{12} a_{21} > 0$$

$$c_2 a_{11} - c_1 a_{12} > 0$$

$$-a_{11}^3 a_{22}^3 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + a_{12}^3 a_{21}^3 \geq 0$$

$$a_{11}^2 a_{22}^2 - 2.00 \cdot a_{12} a_{11} a_{22} a_{21} + a_{12}^2 a_{21}^2 > 0$$

$$c_2 a_{11}^2 a_{22} - c_1 a_{12} a_{11} a_{22} - a_{12} c_2 a_{11} a_{21} + c_1 a_{12}^2 a_{21} \geq 0$$

$$-a_{11}^3 a_{22}^3 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + a_{12}^3 a_{21}^3 > 0$$

$$a_{11}^3 a_{22}^3 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 > 0$$

$$a_{11}^8 a_{22}^8 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 -$$

$$56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + a_{12}^8 a_{21}^8 \geq 0$$

$$a_{11}^8 a_{22}^8 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 -$$

$$56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + a_{12}^8 a_{21}^8 > 0$$

pot #57:

symbol a_{12} : $(-inf, 0.0)$

symbol c_1 : $(-0.0, inf)$

symbol c_2 : $(-inf, 0.0)$

symbol a_{11} : $(-0.0, inf)$

symbol a_{22} : $(-0.0, inf)$

symbol b_1 : -0.0

symbol b_2 : $[-0.0, inf)$

symbol a_{21} : $(-inf, 0.0)$

$$-c_1 a_{22} + c_2 a_{21} > 0$$

$$a_{11} a_{22} - a_{12} a_{21} > 0$$

$$c_2 a_{11} - c_1 a_{12} > 0$$

$$-a_{11}^3 a_{22}^3 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + a_{12}^3 a_{21}^3 \geq 0$$

$$a_{11}^2 a_{22}^2 - 2.00 \cdot a_{12} a_{11} a_{22} a_{21} + a_{12}^2 a_{21}^2 > 0$$

$$c_2 a_{11}^2 a_{22} - c_1 a_{12} a_{11} a_{22} - a_{12} c_2 a_{11} a_{21} + c_1 a_{12}^2 a_{21} \geq 0$$

$$-a_{11}^3 a_{22}^3 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + a_{12}^3 a_{21}^3 > 0$$

$$a_{11}^3 a_{22}^3 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 > 0$$

$$-a_{11}^8 a_{22}^8 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 +$$

$$56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - a_{12}^8 a_{21}^8 \geq 0$$

$$-a_{11}^8 a_{22}^8 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 +$$

$$56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - a_{12}^8 a_{21}^8 > 0$$

pot #58:

symbol a_{12} : $(-inf, 0.0)$

symbol c_1 : $(-0.0, inf)$

symbol c_2 : $(-inf, 0.0)$

symbol a_{11} : $(-0.0, inf)$

symbol $a_{22} : (-0.0, inf)$

symbol $b_1 : -0.0$

symbol $b_2 : -0.0$

symbol $a_{21} : (-inf, 0.0)$

$$-c_1 a_{22} + c_2 a_{21} > 0$$

$$a_{11} a_{22} - a_{12} a_{21} > 0$$

$$c_2 a_{11} - c_1 a_{12} > 0$$

$$-a_{11}^3 a_{22}^3 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + a_{12}^3 a_{21}^3 \geq 0$$

$$a_{11}^2 a_{22}^2 - 2.00 \cdot a_{12} a_{11} a_{22} a_{21} + a_{12}^2 a_{21}^2 > 0$$

$$c_2 a_{11}^2 a_{22} - c_1 a_{12} a_{11} a_{22} - a_{12} c_2 a_{11} a_{21} + c_1 a_{12}^2 a_{21} \geq 0$$

$$-a_{11}^3 a_{22}^3 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + a_{12}^3 a_{21}^3 > 0$$

$$a_{11}^3 a_{22}^3 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 > 0$$

$$a_{11}^8 a_{22}^8 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 - 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + a_{12}^8 a_{21}^8 \geq 0$$

$$-a_{11}^8 a_{22}^8 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 + 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - a_{12}^8 a_{21}^8 > 0$$

pot #59:

symbol $a_{12} : (-inf, 0.0)$

symbol $c_1 : (-0.0, inf)$

symbol $c_2 : (-inf, 0.0)$

symbol $a_{11} : (-0.0, inf)$

symbol $a_{22} : (-0.0, inf)$

symbol $b_1 : -0.0$

symbol $b_2 : -0.0$

symbol $a_{21} : (-inf, 0.0)$

$$-c_1 a_{22} + c_2 a_{21} > 0$$

$$a_{11} a_{22} - a_{12} a_{21} > 0$$

$$c_2 a_{11} - c_1 a_{12} > 0$$

$$-a_{11}^3 a_{22}^3 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + a_{12}^3 a_{21}^3 \geq 0$$

$$a_{11}^2 a_{22}^2 - 2.00 \cdot a_{12} a_{11} a_{22} a_{21} + a_{12}^2 a_{21}^2 > 0$$

$$c_2 a_{11}^2 a_{22} - c_1 a_{12} a_{11} a_{22} - a_{12} c_2 a_{11} a_{21} + c_1 a_{12}^2 a_{21} \geq 0$$

$$-a_{11}^3 a_{22}^3 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + a_{12}^3 a_{21}^3 > 0$$

$$a_{11}^3 a_{22}^3 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 > 0$$

$$-a_{11}^8 a_{22}^8 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 + 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - a_{12}^8 a_{21}^8 \geq 0$$

$$a_{11}^8 a_{22}^8 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 - 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + a_{12}^8 a_{21}^8 > 0$$

pot #60:

symbol $a_{12} : (-inf, 0.0)$

symbol $c_1 : (-0.0, inf)$

symbol $c_2 : (-inf, 0.0)$

symbol $a_{11} : (-0.0, inf)$

symbol $a_{22} : (-0.0, inf)$

symbol $b_1 : -0.0$

symbol $b_2 : [-0.0, inf)$

symbol $a_{21} : (-inf, 0.0)$

$$-c_1 a_{22} + c_2 a_{21} > 0$$

$$a_{11} a_{22} - a_{12} a_{21} > 0$$

$$c_2 a_{11} - c_1 a_{12} > 0$$

$$-a_{11}^3 a_{22}^3 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + a_{12}^3 a_{21}^3 \geq 0$$

symbol $c_2 : (-inf, 0.0)$
symbol $a_{11} : (-0.0, inf)$
symbol $a_{22} : (-0.0, inf)$
symbol $b_1 : -0.0$
symbol $b_2 : -0.0$
symbol $a_{21} : (-inf, 0.0)$
 $-c_1 a_{22} + c_2 a_{21} > 0$
 $a_{11} a_{22} - a_{12} a_{21} > 0$
 $c_2 a_{11} - c_1 a_{12} > 0$
 $-a_{11}^3 a_{22}^3 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + a_{12}^3 a_{21}^3 \geq 0$
 $a_{11}^2 a_{22}^2 - 2.00 \cdot a_{12} a_{11} a_{22} a_{21} + a_{12}^2 a_{21}^2 > 0$
 $c_2 a_{11}^2 a_{22} - c_1 a_{12} a_{11} a_{22} - a_{12} c_2 a_{11} a_{21} + c_1 a_{12}^2 a_{21} \geq 0$
 $-a_{11}^3 a_{22}^3 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + a_{12}^3 a_{21}^3 > 0$
 $-a_{11}^8 a_{22}^8 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 +$
 $56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - a_{12}^8 a_{21}^8 \geq 0$
 $a_{11}^8 a_{22}^8 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 -$
 $56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + a_{12}^8 a_{21}^8 > 0$

x_2	$\frac{b_1 a_{11}^6 a_{22}^6 - 6.00 \cdot b_1 a_{21} a_{11}^5 a_{22}^5 a_{12} + 15.00 \cdot b_1 a_{21}^2 a_{11}^4 a_{22}^4 a_{12}^2 - 20.00 \cdot b_1 a_{21}^3 a_{11}^3 a_{22}^3 a_{12}^3 + 15.00 \cdot b_1 a_{12}^4 a_{11}^2 a_{22}^2 a_{21}^4 - 6.00 \cdot b_1 a_{12}^5 a_{11} a_{22} a_{21}^5 + a_{11}^6 a_{22}^6 - 6.00 \cdot a_{12} a_{11}^5 a_{22}^5 a_{21} + 15.00 \cdot a_{12}^2 a_{11}^4 a_{22}^4 a_{21}^2 - 20.00 \cdot a_{12}^3 a_{11}^3 a_{22}^3 a_{21}^3 + 15.00 \cdot a_{12}^4 a_{11}^2 a_{22}^2 a_{21}^4 - 6.00 \cdot a_{12}^5 a_{11} a_{22} a_{21}^5}{a_{11}^8 a_{22}^8 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 - 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + a_{12}^8 a_{21}^8}$
x_3	$\frac{b_2 a_{11}^8 a_{22}^8 - 8.00 \cdot a_{12} b_2 a_{11}^7 a_{22}^7 a_{21} + 28.00 \cdot a_{12}^2 b_2 a_{11}^6 a_{22}^6 a_{21}^2 - 56.00 \cdot a_{12}^3 b_2 a_{11}^5 a_{22}^5 a_{21}^3 + 70.00 \cdot a_{12}^4 b_2 a_{11}^4 a_{22}^4 a_{21}^4 - 56.00 \cdot a_{12}^5 b_2 a_{11}^3 a_{22}^3 a_{21}^5 + 28.00 \cdot a_{12}^6 b_2 a_{11}^2 a_{22}^2 a_{21}^6 - 8.00 \cdot a_{12}^7 b_2 a_{11} a_{22} a_{21}^7 + b_2 a_{12}^8 a_{21}^8}{a_{11}^8 a_{22}^8 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 - 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + a_{12}^8 a_{21}^8}$
Ψ	0.0

Table #1.0.1.1

Moving out basis: x_3 from line: 1

Moving to basis: x_2

pots:

pot #0:

symbol a_{12} : $(-inf, 0.0)$

symbol c_1 : $(-0.0, inf)$

symbol c_2 : $(-inf, 0.0)$

symbol a_{11} : $(-0.0, inf)$

symbol a_{22} : $(-0.0, inf)$

symbol b_1 : $[-0.0, inf)$

symbol b_2 : $[-0.0, inf)$

symbol a_{21} : $(-inf, 0.0)$

$$-c_1 a_{22} + c_2 a_{21} > 0$$

$$a_{11} a_{22} - a_{12} a_{21} > 0$$

$$c_2 a_{11} - c_1 a_{12} > 0$$

$$a_{11}^3 a_{22}^3 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 \geq 0$$

$$a_{11}^2 a_{22}^2 - 2.00 \cdot a_{12} a_{11} a_{22} a_{21} + a_{12}^2 a_{21}^2 > 0$$

$$c_2 a_{11}^2 a_{22} - c_1 a_{12} a_{11} a_{22} - a_{12} c_2 a_{11} a_{21} + c_1 a_{12}^2 a_{21} \geq 0$$

$$a_{11}^3 a_{22}^3 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 > 0$$

$$-a_{11}^8 a_{22}^8 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 + 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - a_{12}^8 a_{21}^8 \geq 0$$

$$a_{11}^8 a_{22}^8 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 - 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + a_{12}^8 a_{21}^8 > 0$$

pot #1:

symbol a_{12} : $(-inf, 0.0)$

symbol c_1 : $(-0.0, inf)$

symbol c_2 : $(-inf, 0.0)$

symbol a_{11} : $(-0.0, inf)$

symbol a_{22} : $(-0.0, inf)$

symbol b_1 : $[-0.0, inf)$

symbol b_2 : $[-0.0, inf)$

symbol a_{21} : $(-inf, 0.0)$

$$-c_1 a_{22} + c_2 a_{21} > 0$$

$$a_{11} a_{22} - a_{12} a_{21} > 0$$

$$c_2 a_{11} - c_1 a_{12} > 0$$

$$a_{11}^3 a_{22}^3 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 \geq 0$$

$$a_{11}^2 a_{22}^2 - 2.00 \cdot a_{12} a_{11} a_{22} a_{21} + a_{12}^2 a_{21}^2 > 0$$

$$c_2 a_{11}^2 a_{22} - c_1 a_{12} a_{11} a_{22} - a_{12} c_2 a_{11} a_{21} + c_1 a_{12}^2 a_{21} \geq 0$$

$$a_{11}^3 a_{22}^3 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 > 0$$

$$a_{11}^8 a_{22}^8 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 - 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + a_{12}^8 a_{21}^8 \geq 0$$

$$-a_{11}^8 a_{22}^8 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 + 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - a_{12}^8 a_{21}^8 > 0$$

pot #2:

symbol a_{12} : $(-inf, 0.0)$

symbol c_1 : $(-0.0, inf)$

symbol c_2 : $(-inf, 0.0)$

symbol a_{11} : $(-0.0, inf)$

symbol $a_{22} : (-0.0, inf)$

symbol $b_1 : [-0.0, inf)$

symbol $b_2 : -0.0$

symbol $a_{21} : (-inf, 0.0)$

$$-c_1 a_{22} + c_2 a_{21} > 0$$

$$a_{11} a_{22} - a_{12} a_{21} > 0$$

$$c_2 a_{11} - c_1 a_{12} > 0$$

$$a_{11}^3 a_{22}^3 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 \geq 0$$

$$a_{11}^2 a_{22}^2 - 2.00 \cdot a_{12} a_{11} a_{22} a_{21} + a_{12}^2 a_{21}^2 > 0$$

$$c_2 a_{11}^2 a_{22} - c_1 a_{12} a_{11} a_{22} - a_{12} c_2 a_{11} a_{21} + c_1 a_{12}^2 a_{21} \geq 0$$

$$a_{11}^3 a_{22}^3 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 > 0$$

$$-a_{11}^8 a_{22}^8 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 + 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - a_{12}^8 a_{21}^8 \geq 0$$

$$-a_{11}^8 a_{22}^8 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 + 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - a_{12}^8 a_{21}^8 > 0$$

pot #3:

symbol $a_{12} : (-inf, 0.0)$

symbol $c_1 : (-0.0, inf)$

symbol $c_2 : (-inf, 0.0)$

symbol $a_{11} : (-0.0, inf)$

symbol $a_{22} : (-0.0, inf)$

symbol $b_1 : [-0.0, inf)$

symbol $b_2 : -0.0$

symbol $a_{21} : (-inf, 0.0)$

$$-c_1 a_{22} + c_2 a_{21} > 0$$

$$a_{11} a_{22} - a_{12} a_{21} > 0$$

$$c_2 a_{11} - c_1 a_{12} > 0$$

$$a_{11}^3 a_{22}^3 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 \geq 0$$

$$a_{11}^2 a_{22}^2 - 2.00 \cdot a_{12} a_{11} a_{22} a_{21} + a_{12}^2 a_{21}^2 > 0$$

$$c_2 a_{11}^2 a_{22} - c_1 a_{12} a_{11} a_{22} - a_{12} c_2 a_{11} a_{21} + c_1 a_{12}^2 a_{21} \geq 0$$

$$a_{11}^3 a_{22}^3 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 > 0$$

$$a_{11}^8 a_{22}^8 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 - 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + a_{12}^8 a_{21}^8 \geq 0$$

$$a_{11}^8 a_{22}^8 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 - 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + a_{12}^8 a_{21}^8 > 0$$

pot #4:

symbol $a_{12} : (-inf, 0.0)$

symbol $c_1 : (-0.0, inf)$

symbol $c_2 : (-inf, 0.0)$

symbol $a_{11} : (-0.0, inf)$

symbol $a_{22} : (-0.0, inf)$

symbol $b_1 : [-0.0, inf)$

symbol $b_2 : [-0.0, inf)$

symbol $a_{21} : (-inf, 0.0)$

$$-c_1 a_{22} + c_2 a_{21} > 0$$

$$a_{11} a_{22} - a_{12} a_{21} > 0$$

$$c_2 a_{11} - c_1 a_{12} > 0$$

$$a_{11}^3 a_{22}^3 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 \geq 0$$

$$a_{11}^2 a_{22}^2 - 2.00 \cdot a_{12} a_{11} a_{22} a_{21} + a_{12}^2 a_{21}^2 > 0$$

$$c_2 a_{11}^2 a_{22} - c_1 a_{12} a_{11} a_{22} - a_{12} c_2 a_{11} a_{21} + c_1 a_{12}^2 a_{21} \geq 0$$

$$\begin{aligned}
& a_{11}^3 a_{22}^3 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 > 0 \\
& -a_{11}^3 a_{22}^3 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + a_{12}^3 a_{21}^3 > 0 \\
& -a_{11}^8 a_{22}^8 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 + \\
& 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - a_{12}^8 a_{21}^8 \geq 0 \\
& a_{11}^8 a_{22}^8 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 - \\
& 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + a_{12}^8 a_{21}^8 > 0
\end{aligned}$$

pot #5:

symbol a_{12} : $(-inf, 0.0)$

symbol c_1 : $(-0.0, inf)$

symbol c_2 : $(-inf, 0.0)$

symbol a_{11} : $(-0.0, inf)$

symbol a_{22} : $(-0.0, inf)$

symbol b_1 : $[-0.0, inf)$

symbol b_2 : $[-0.0, inf)$

symbol a_{21} : $(-inf, 0.0)$

$$-c_1 a_{22} + c_2 a_{21} > 0$$

$$a_{11} a_{22} - a_{12} a_{21} > 0$$

$$c_2 a_{11} - c_1 a_{12} > 0$$

$$a_{11}^3 a_{22}^3 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 \geq 0$$

$$a_{11}^2 a_{22}^2 - 2.00 \cdot a_{12} a_{11} a_{22} a_{21} + a_{12}^2 a_{21}^2 > 0$$

$$c_2 a_{11}^2 a_{22} - c_1 a_{12} a_{11} a_{22} - a_{12} c_2 a_{11} a_{21} + c_1 a_{12}^2 a_{21} \geq 0$$

$$a_{11}^3 a_{22}^3 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 > 0$$

$$-a_{11}^3 a_{22}^3 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + a_{12}^3 a_{21}^3 > 0$$

$$a_{11}^8 a_{22}^8 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 -$$

$$56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + a_{12}^8 a_{21}^8 \geq 0$$

$$-a_{11}^8 a_{22}^8 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 +$$

$$56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - a_{12}^8 a_{21}^8 > 0$$

pot #6:

symbol a_{12} : $(-inf, 0.0)$

symbol c_1 : $(-0.0, inf)$

symbol c_2 : $(-inf, 0.0)$

symbol a_{11} : $(-0.0, inf)$

symbol a_{22} : $(-0.0, inf)$

symbol b_1 : $[-0.0, inf)$

symbol b_2 : -0.0

symbol a_{21} : $(-inf, 0.0)$

$$-c_1 a_{22} + c_2 a_{21} > 0$$

$$a_{11} a_{22} - a_{12} a_{21} > 0$$

$$c_2 a_{11} - c_1 a_{12} > 0$$

$$a_{11}^3 a_{22}^3 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 \geq 0$$

$$a_{11}^2 a_{22}^2 - 2.00 \cdot a_{12} a_{11} a_{22} a_{21} + a_{12}^2 a_{21}^2 > 0$$

$$c_2 a_{11}^2 a_{22} - c_1 a_{12} a_{11} a_{22} - a_{12} c_2 a_{11} a_{21} + c_1 a_{12}^2 a_{21} \geq 0$$

$$a_{11}^3 a_{22}^3 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 > 0$$

$$-a_{11}^3 a_{22}^3 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + a_{12}^3 a_{21}^3 > 0$$

$$-a_{11}^8 a_{22}^8 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 +$$

$$56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - a_{12}^8 a_{21}^8 \geq 0$$

$$-a_{11}^8 a_{22}^8 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 +$$

$$56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - a_{12}^8 a_{21}^8 > 0$$

pot #7:

symbol a_{12} : $(-inf, 0.0)$

symbol $c_1 : (-0.0, inf)$
 symbol $c_2 : (-inf, 0.0)$
 symbol $a_{11} : (-0.0, inf)$
 symbol $a_{22} : (-0.0, inf)$
 symbol $b_1 : [-0.0, inf)$
 symbol $b_2 : -0.0$
 symbol $a_{21} : (-inf, 0.0)$
 $-c_1 a_{22} + c_2 a_{21} > 0$
 $a_{11} a_{22} - a_{12} a_{21} > 0$
 $c_2 a_{11} - c_1 a_{12} > 0$
 $a_{11}^3 a_{22}^3 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 \geq 0$
 $a_{11}^2 a_{22}^2 - 2.00 \cdot a_{12} a_{11} a_{22} a_{21} + a_{12}^2 a_{21}^2 > 0$
 $c_2 a_{11}^2 a_{22} - c_1 a_{12} a_{11} a_{22} - a_{12} c_2 a_{11} a_{21} + c_1 a_{12}^2 a_{21} \geq 0$
 $a_{11}^3 a_{22}^3 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 > 0$
 $-a_{11}^3 a_{22}^3 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + a_{12}^3 a_{21}^3 > 0$
 $a_{11}^8 a_{22}^8 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 -$
 $56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + a_{12}^8 a_{21}^8 \geq 0$
 $a_{11}^8 a_{22}^8 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 -$
 $56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + a_{12}^8 a_{21}^8 > 0$
 pot #8:
 symbol $a_{12} : (-inf, 0.0)$
 symbol $c_1 : (-0.0, inf)$
 symbol $c_2 : (-inf, 0.0)$
 symbol $a_{11} : (-0.0, inf)$
 symbol $a_{22} : (-0.0, inf)$
 symbol $b_1 : [-0.0, inf)$
 symbol $b_2 : [-0.0, inf)$
 symbol $a_{21} : (-inf, 0.0)$
 $-c_1 a_{22} + c_2 a_{21} > 0$
 $a_{11} a_{22} - a_{12} a_{21} > 0$
 $c_2 a_{11} - c_1 a_{12} > 0$
 $a_{11}^3 a_{22}^3 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 \geq 0$
 $a_{11}^2 a_{22}^2 - 2.00 \cdot a_{12} a_{11} a_{22} a_{21} + a_{12}^2 a_{21}^2 > 0$
 $c_2 a_{11}^2 a_{22} - c_1 a_{12} a_{11} a_{22} - a_{12} c_2 a_{11} a_{21} + c_1 a_{12}^2 a_{21} \geq 0$
 $-a_{11}^3 a_{22}^3 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + a_{12}^3 a_{21}^3 > 0$
 $a_{11}^3 a_{22}^3 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 > 0$
 $-a_{11}^8 a_{22}^8 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 +$
 $56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - a_{12}^8 a_{21}^8 \geq 0$
 $a_{11}^8 a_{22}^8 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 -$
 $56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + a_{12}^8 a_{21}^8 > 0$
 pot #9:
 symbol $a_{12} : (-inf, 0.0)$
 symbol $c_1 : (-0.0, inf)$
 symbol $c_2 : (-inf, 0.0)$
 symbol $a_{11} : (-0.0, inf)$
 symbol $a_{22} : (-0.0, inf)$
 symbol $b_1 : [-0.0, inf)$
 symbol $b_2 : [-0.0, inf)$
 symbol $a_{21} : (-inf, 0.0)$
 $-c_1 a_{22} + c_2 a_{21} > 0$

$$a_{11}a_{22} - a_{12}a_{21} > 0$$

$$c_2a_{11} - c_1a_{12} > 0$$

$$a_{11}^3a_{22}^3 - 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} + 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 - a_{12}^3a_{21}^3 \geq 0$$

$$a_{11}^2a_{22}^2 - 2.00 \cdot a_{12}a_{11}a_{22}a_{21} + a_{12}^2a_{21}^2 > 0$$

$$c_2a_{11}^2a_{22} - c_1a_{12}a_{11}a_{22} - a_{12}c_2a_{11}a_{21} + c_1a_{12}^2a_{21} \geq 0$$

$$-a_{11}^3a_{22}^3 + 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} - 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 + a_{12}^3a_{21}^3 > 0$$

$$a_{11}^3a_{22}^3 - 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} + 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 - a_{12}^3a_{21}^3 > 0$$

$$a_{11}^8a_{22}^8 - 8.00 \cdot a_{12}a_{11}^7a_{22}^7a_{21} + 28.00 \cdot a_{12}^2a_{11}^6a_{22}^6a_{21}^2 - 56.00 \cdot a_{12}^3a_{11}^5a_{22}^5a_{21}^3 + 70.00 \cdot a_{12}^4a_{11}^4a_{22}^4a_{21}^4 - 56.00 \cdot a_{12}^5a_{11}^3a_{22}^3a_{21}^5 + 28.00 \cdot a_{12}^6a_{11}^2a_{22}^2a_{21}^6 - 8.00 \cdot a_{12}^7a_{11}a_{22}a_{21}^7 + a_{12}^8a_{21}^8 \geq 0$$

$$-a_{11}^8a_{22}^8 + 8.00 \cdot a_{12}a_{11}^7a_{22}^7a_{21} - 28.00 \cdot a_{12}^2a_{11}^6a_{22}^6a_{21}^2 + 56.00 \cdot a_{12}^3a_{11}^5a_{22}^5a_{21}^3 - 70.00 \cdot a_{12}^4a_{11}^4a_{22}^4a_{21}^4 + 56.00 \cdot a_{12}^5a_{11}^3a_{22}^3a_{21}^5 - 28.00 \cdot a_{12}^6a_{11}^2a_{22}^2a_{21}^6 + 8.00 \cdot a_{12}^7a_{11}a_{22}a_{21}^7 - a_{12}^8a_{21}^8 > 0$$

pot #10:

symbol a_{12} : $(-inf, 0.0)$

symbol c_1 : $(-0.0, inf)$

symbol c_2 : $(-inf, 0.0)$

symbol a_{11} : $(-0.0, inf)$

symbol a_{22} : $(-0.0, inf)$

symbol b_1 : $[-0.0, inf)$

symbol b_2 : -0.0

symbol a_{21} : $(-inf, 0.0)$

$$-c_1a_{22} + c_2a_{21} > 0$$

$$a_{11}a_{22} - a_{12}a_{21} > 0$$

$$c_2a_{11} - c_1a_{12} > 0$$

$$a_{11}^3a_{22}^3 - 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} + 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 - a_{12}^3a_{21}^3 \geq 0$$

$$a_{11}^2a_{22}^2 - 2.00 \cdot a_{12}a_{11}a_{22}a_{21} + a_{12}^2a_{21}^2 > 0$$

$$c_2a_{11}^2a_{22} - c_1a_{12}a_{11}a_{22} - a_{12}c_2a_{11}a_{21} + c_1a_{12}^2a_{21} \geq 0$$

$$-a_{11}^3a_{22}^3 + 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} - 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 + a_{12}^3a_{21}^3 > 0$$

$$a_{11}^3a_{22}^3 - 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} + 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 - a_{12}^3a_{21}^3 > 0$$

$$-a_{11}^8a_{22}^8 + 8.00 \cdot a_{12}a_{11}^7a_{22}^7a_{21} - 28.00 \cdot a_{12}^2a_{11}^6a_{22}^6a_{21}^2 + 56.00 \cdot a_{12}^3a_{11}^5a_{22}^5a_{21}^3 - 70.00 \cdot a_{12}^4a_{11}^4a_{22}^4a_{21}^4 + 56.00 \cdot a_{12}^5a_{11}^3a_{22}^3a_{21}^5 - 28.00 \cdot a_{12}^6a_{11}^2a_{22}^2a_{21}^6 + 8.00 \cdot a_{12}^7a_{11}a_{22}a_{21}^7 - a_{12}^8a_{21}^8 \geq 0$$

$$-a_{11}^8a_{22}^8 + 8.00 \cdot a_{12}a_{11}^7a_{22}^7a_{21} - 28.00 \cdot a_{12}^2a_{11}^6a_{22}^6a_{21}^2 + 56.00 \cdot a_{12}^3a_{11}^5a_{22}^5a_{21}^3 - 70.00 \cdot a_{12}^4a_{11}^4a_{22}^4a_{21}^4 + 56.00 \cdot a_{12}^5a_{11}^3a_{22}^3a_{21}^5 - 28.00 \cdot a_{12}^6a_{11}^2a_{22}^2a_{21}^6 + 8.00 \cdot a_{12}^7a_{11}a_{22}a_{21}^7 - a_{12}^8a_{21}^8 > 0$$

pot #11:

symbol a_{12} : $(-inf, 0.0)$

symbol c_1 : $(-0.0, inf)$

symbol c_2 : $(-inf, 0.0)$

symbol a_{11} : $(-0.0, inf)$

symbol a_{22} : $(-0.0, inf)$

symbol b_1 : $[-0.0, inf)$

symbol b_2 : -0.0

symbol a_{21} : $(-inf, 0.0)$

$$-c_1a_{22} + c_2a_{21} > 0$$

$$a_{11}a_{22} - a_{12}a_{21} > 0$$

$$c_2a_{11} - c_1a_{12} > 0$$

$$a_{11}^3a_{22}^3 - 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} + 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 - a_{12}^3a_{21}^3 \geq 0$$

$$a_{11}^2a_{22}^2 - 2.00 \cdot a_{12}a_{11}a_{22}a_{21} + a_{12}^2a_{21}^2 > 0$$

$$c_2a_{11}^2a_{22} - c_1a_{12}a_{11}a_{22} - a_{12}c_2a_{11}a_{21} + c_1a_{12}^2a_{21} \geq 0$$

$$-a_{11}^3a_{22}^3 + 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} - 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 + a_{12}^3a_{21}^3 > 0$$

$$a_{11}^3a_{22}^3 - 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} + 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 - a_{12}^3a_{21}^3 > 0$$

$$a_{11}^8a_{22}^8 - 8.00 \cdot a_{12}a_{11}^7a_{22}^7a_{21} + 28.00 \cdot a_{12}^2a_{11}^6a_{22}^6a_{21}^2 - 56.00 \cdot a_{12}^3a_{11}^5a_{22}^5a_{21}^3 + 70.00 \cdot a_{12}^4a_{11}^4a_{22}^4a_{21}^4 -$$

$$\begin{aligned}
& 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + a_{12}^8 a_{21}^8 \geq 0 \\
& a_{11}^8 a_{22}^8 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 - \\
& 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + a_{12}^8 a_{21}^8 > 0
\end{aligned}$$

pot #12:

symbol a_{12} : $(-inf, 0.0)$

symbol c_1 : $(-0.0, inf)$

symbol c_2 : $(-inf, 0.0)$

symbol a_{11} : $(-0.0, inf)$

symbol a_{22} : $(-0.0, inf)$

symbol b_1 : $[-0.0, inf)$

symbol b_2 : $[-0.0, inf)$

symbol a_{21} : $(-inf, 0.0)$

$$-c_1 a_{22} + c_2 a_{21} > 0$$

$$a_{11} a_{22} - a_{12} a_{21} > 0$$

$$c_2 a_{11} - c_1 a_{12} > 0$$

$$a_{11}^3 a_{22}^3 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 \geq 0$$

$$a_{11}^2 a_{22}^2 - 2.00 \cdot a_{12} a_{11} a_{22} a_{21} + a_{12}^2 a_{21}^2 > 0$$

$$c_2 a_{11}^2 a_{22} - c_1 a_{12} a_{11} a_{22} - a_{12} c_2 a_{11} a_{21} + c_1 a_{12}^2 a_{21} \geq 0$$

$$-a_{11}^3 a_{22}^3 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + a_{12}^3 a_{21}^3 > 0$$

$$-a_{11}^8 a_{22}^8 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 +$$

$$56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - a_{12}^8 a_{21}^8 \geq 0$$

$$a_{11}^8 a_{22}^8 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 -$$

$$56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + a_{12}^8 a_{21}^8 > 0$$

pot #13:

symbol a_{12} : $(-inf, 0.0)$

symbol c_1 : $(-0.0, inf)$

symbol c_2 : $(-inf, 0.0)$

symbol a_{11} : $(-0.0, inf)$

symbol a_{22} : $(-0.0, inf)$

symbol b_1 : $[-0.0, inf)$

symbol b_2 : $[-0.0, inf)$

symbol a_{21} : $(-inf, 0.0)$

$$-c_1 a_{22} + c_2 a_{21} > 0$$

$$a_{11} a_{22} - a_{12} a_{21} > 0$$

$$c_2 a_{11} - c_1 a_{12} > 0$$

$$a_{11}^3 a_{22}^3 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 \geq 0$$

$$a_{11}^2 a_{22}^2 - 2.00 \cdot a_{12} a_{11} a_{22} a_{21} + a_{12}^2 a_{21}^2 > 0$$

$$c_2 a_{11}^2 a_{22} - c_1 a_{12} a_{11} a_{22} - a_{12} c_2 a_{11} a_{21} + c_1 a_{12}^2 a_{21} \geq 0$$

$$-a_{11}^3 a_{22}^3 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + a_{12}^3 a_{21}^3 > 0$$

$$a_{11}^8 a_{22}^8 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 -$$

$$56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + a_{12}^8 a_{21}^8 \geq 0$$

$$-a_{11}^8 a_{22}^8 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 +$$

$$56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - a_{12}^8 a_{21}^8 > 0$$

pot #14:

symbol a_{12} : $(-inf, 0.0)$

symbol c_1 : $(-0.0, inf)$

symbol c_2 : $(-inf, 0.0)$

symbol a_{11} : $(-0.0, inf)$

symbol a_{22} : $(-0.0, inf)$

symbol b_1 : $[-0.0, inf)$

symbol $b_2 : -0.0$

symbol $a_{21} : (-inf, 0.0)$

$-c_1 a_{22} + c_2 a_{21} > 0$

$a_{11} a_{22} - a_{12} a_{21} > 0$

$c_2 a_{11} - c_1 a_{12} > 0$

$a_{11}^3 a_{22}^3 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 \geq 0$

$a_{11}^2 a_{22}^2 - 2.00 \cdot a_{12} a_{11} a_{22} a_{21} + a_{12}^2 a_{21}^2 > 0$

$c_2 a_{11}^2 a_{22} - c_1 a_{12} a_{11} a_{22} - a_{12} c_2 a_{11} a_{21} + c_1 a_{12}^2 a_{21} \geq 0$

$-a_{11}^3 a_{22}^3 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + a_{12}^3 a_{21}^3 > 0$

$-a_{11}^8 a_{22}^8 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 +$

$56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - a_{12}^8 a_{21}^8 \geq 0$

$-a_{11}^8 a_{22}^8 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 +$

$56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - a_{12}^8 a_{21}^8 > 0$

pot #15:

symbol $a_{12} : (-inf, 0.0)$

symbol $c_1 : (-0.0, inf)$

symbol $c_2 : (-inf, 0.0)$

symbol $a_{11} : (-0.0, inf)$

symbol $a_{22} : (-0.0, inf)$

symbol $b_1 : [-0.0, inf)$

symbol $b_2 : -0.0$

symbol $a_{21} : (-inf, 0.0)$

$-c_1 a_{22} + c_2 a_{21} > 0$

$a_{11} a_{22} - a_{12} a_{21} > 0$

$c_2 a_{11} - c_1 a_{12} > 0$

$a_{11}^3 a_{22}^3 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 \geq 0$

$a_{11}^2 a_{22}^2 - 2.00 \cdot a_{12} a_{11} a_{22} a_{21} + a_{12}^2 a_{21}^2 > 0$

$c_2 a_{11}^2 a_{22} - c_1 a_{12} a_{11} a_{22} - a_{12} c_2 a_{11} a_{21} + c_1 a_{12}^2 a_{21} \geq 0$

$-a_{11}^3 a_{22}^3 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + a_{12}^3 a_{21}^3 > 0$

$a_{11}^8 a_{22}^8 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 -$

$56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + a_{12}^8 a_{21}^8 \geq 0$

$a_{11}^8 a_{22}^8 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 -$

$56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + a_{12}^8 a_{21}^8 > 0$

pot #16:

symbol $a_{12} : (-inf, 0.0)$

symbol $c_1 : (-0.0, inf)$

symbol $c_2 : (-inf, 0.0)$

symbol $a_{11} : (-0.0, inf)$

symbol $a_{22} : (-0.0, inf)$

symbol $b_1 : [-0.0, inf)$

symbol $b_2 : [-0.0, inf)$

symbol $a_{21} : (-inf, 0.0)$

$-c_1 a_{22} + c_2 a_{21} > 0$

$a_{11} a_{22} - a_{12} a_{21} > 0$

$c_2 a_{11} - c_1 a_{12} > 0$

$a_{11}^3 a_{22}^3 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 \geq 0$

$a_{11}^2 a_{22}^2 - 2.00 \cdot a_{12} a_{11} a_{22} a_{21} + a_{12}^2 a_{21}^2 > 0$

$c_2 a_{11}^2 a_{22} - c_1 a_{12} a_{11} a_{22} - a_{12} c_2 a_{11} a_{21} + c_1 a_{12}^2 a_{21} \geq 0$

$a_{11}^3 a_{22}^3 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 > 0$

$-a_{11}^3 a_{22}^3 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + a_{12}^3 a_{21}^3 \geq 0$

pot #17:

symbol $a_{12} : (-inf, 0.0)$

symbol $c_1 : (-0.0, inf)$

symbol $c_2 : (-inf, 0.0)$

symbol $a_{11} : (-0.0, inf)$

symbol $a_{22} : (-0.0, inf)$

symbol $b_1 : [-0.0, inf)$

symbol $b_2 : [-0.0, inf)$

symbol $a_{21} : (-inf, 0.0)$

$$-c_1 a_{22} + c_2 a_{21} > 0$$

$$a_{11} a_{22} - a_{12} a_{21} > 0$$

$$c_2 a_{11} - c_1 a_{12} > 0$$

$$a_{11}^3 a_{22}^3 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 \geq 0$$

$$a_{11}^2 a_{22}^2 - 2.00 \cdot a_{12} a_{11} a_{22} a_{21} + a_{12}^2 a_{21}^2 > 0$$

$$c_2 a_{11}^2 a_{22} - c_1 a_{12} a_{11} a_{22} - a_{12} c_2 a_{11} a_{21} + c_1 a_{12}^2 a_{21} \geq 0$$

$$a_{11}^3 a_{22}^3 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 > 0$$

$$-a_{11}^3 a_{22}^3 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + a_{12}^3 a_{21}^3 > 0$$

pot #18:

symbol $a_{12} : (-inf, 0.0)$

symbol $c_1 : (-0.0, inf)$

symbol $c_2 : (-inf, 0.0)$

symbol $a_{11} : (-0.0, inf)$

symbol $a_{22} : (-0.0, inf)$

symbol $b_1 : [-0.0, inf)$

symbol $b_2 : [-0.0, inf)$

symbol $a_{21} : (-inf, 0.0)$

$$-c_1 a_{22} + c_2 a_{21} > 0$$

$$a_{11} a_{22} - a_{12} a_{21} > 0$$

$$c_2 a_{11} - c_1 a_{12} > 0$$

$$a_{11}^3 a_{22}^3 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 \geq 0$$

$$a_{11}^2 a_{22}^2 - 2.00 \cdot a_{12} a_{11} a_{22} a_{21} + a_{12}^2 a_{21}^2 > 0$$

$$c_2 a_{11}^2 a_{22} - c_1 a_{12} a_{11} a_{22} - a_{12} c_2 a_{11} a_{21} + c_1 a_{12}^2 a_{21} \geq 0$$

$$-a_{11}^3 a_{22}^3 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + a_{12}^3 a_{21}^3 > 0$$

$$-a_{11}^3 a_{22}^3 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + a_{12}^3 a_{21}^3 \geq 0$$

$$a_{11}^3 a_{22}^3 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 > 0$$

pot #19:

symbol $a_{12} : (-inf, 0.0)$

symbol $c_1 : (-0.0, inf)$

symbol $c_2 : (-inf, 0.0)$

symbol $a_{11} : (-0.0, inf)$

symbol $a_{22} : (-0.0, inf)$

symbol $b_1 : [-0.0, inf)$

symbol $b_2 : [-0.0, inf)$

symbol $a_{21} : (-inf, 0.0)$

$$-c_1 a_{22} + c_2 a_{21} > 0$$

$$a_{11} a_{22} - a_{12} a_{21} > 0$$

$$c_2 a_{11} - c_1 a_{12} > 0$$

$$a_{11}^3 a_{22}^3 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 \geq 0$$

$$a_{11}^2 a_{22}^2 - 2.00 \cdot a_{12} a_{11} a_{22} a_{21} + a_{12}^2 a_{21}^2 > 0$$

$$c_2 a_{11}^2 a_{22} - c_1 a_{12} a_{11} a_{22} - a_{12} c_2 a_{11} a_{21} + c_1 a_{12}^2 a_{21} \geq 0$$

$$-a_{11}^3 a_{22}^3 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + a_{12}^3 a_{21}^3 > 0$$

pot #20:

symbol a_{12} : $(-inf, 0.0)$

symbol c_1 : $(-0.0, inf)$

symbol c_2 : $(-inf, 0.0)$

symbol a_{11} : $(-0.0, inf)$

symbol a_{22} : $(-0.0, inf)$

symbol b_1 : $[-0.0, inf)$

symbol b_2 : $[-0.0, inf)$

symbol a_{21} : $(-inf, 0.0)$

$$-c_1 a_{22} + c_2 a_{21} > 0$$

$$a_{11} a_{22} - a_{12} a_{21} > 0$$

$$c_2 a_{11} - c_1 a_{12} > 0$$

$$-a_{11}^3 a_{22}^3 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + a_{12}^3 a_{21}^3 \geq 0$$

$$-a_{11}^2 a_{22}^2 + 2.00 \cdot a_{12} a_{11} a_{22} a_{21} - a_{12}^2 a_{21}^2 > 0$$

$$c_2 a_{11}^2 a_{22} - c_1 a_{12} a_{11} a_{22} - a_{12} c_2 a_{11} a_{21} + c_1 a_{12}^2 a_{21} \geq 0$$

$$a_{11}^3 a_{22}^3 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 > 0$$

$$-a_{11}^8 a_{22}^8 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 +$$

$$56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - a_{12}^8 a_{21}^8 \geq 0$$

$$a_{11}^8 a_{22}^8 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 -$$

$$56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + a_{12}^8 a_{21}^8 > 0$$

pot #21:

symbol a_{12} : $(-inf, 0.0)$

symbol c_1 : $(-0.0, inf)$

symbol c_2 : $(-inf, 0.0)$

symbol a_{11} : $(-0.0, inf)$

symbol a_{22} : $(-0.0, inf)$

symbol b_1 : $[-0.0, inf)$

symbol b_2 : $[-0.0, inf)$

symbol a_{21} : $(-inf, 0.0)$

$$-c_1 a_{22} + c_2 a_{21} > 0$$

$$a_{11} a_{22} - a_{12} a_{21} > 0$$

$$c_2 a_{11} - c_1 a_{12} > 0$$

$$-a_{11}^3 a_{22}^3 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + a_{12}^3 a_{21}^3 \geq 0$$

$$-a_{11}^2 a_{22}^2 + 2.00 \cdot a_{12} a_{11} a_{22} a_{21} - a_{12}^2 a_{21}^2 > 0$$

$$c_2 a_{11}^2 a_{22} - c_1 a_{12} a_{11} a_{22} - a_{12} c_2 a_{11} a_{21} + c_1 a_{12}^2 a_{21} \geq 0$$

$$a_{11}^3 a_{22}^3 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 > 0$$

$$a_{11}^8 a_{22}^8 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 -$$

$$56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + a_{12}^8 a_{21}^8 \geq 0$$

$$-a_{11}^8 a_{22}^8 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 +$$

$$56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - a_{12}^8 a_{21}^8 > 0$$

pot #22:

symbol a_{12} : $(-inf, 0.0)$

symbol c_1 : $(-0.0, inf)$

symbol c_2 : $(-inf, 0.0)$

symbol a_{11} : $(-0.0, inf)$

symbol a_{22} : $(-0.0, inf)$

symbol b_1 : $[-0.0, inf)$

symbol b_2 : -0.0

symbol a_{21} : $(-inf, 0.0)$

$$a_{11}^8 a_{22}^8 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 - 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + a_{12}^8 a_{21}^8 > 0$$

pot #25:

symbol a_{12} : $(-inf, 0.0)$

symbol c_1 : $(-0.0, inf)$

symbol c_2 : $(-inf, 0.0)$

symbol a_{11} : $(-0.0, inf)$

symbol a_{22} : $(-0.0, inf)$

symbol b_1 : $[-0.0, inf)$

symbol b_2 : $[-0.0, inf)$

symbol a_{21} : $(-inf, 0.0)$

$$-c_1 a_{22} + c_2 a_{21} > 0$$

$$a_{11} a_{22} - a_{12} a_{21} > 0$$

$$c_2 a_{11} - c_1 a_{12} > 0$$

$$-a_{11}^3 a_{22}^3 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + a_{12}^3 a_{21}^3 \geq 0$$

$$-a_{11}^2 a_{22}^2 + 2.00 \cdot a_{12} a_{11} a_{22} a_{21} - a_{12}^2 a_{21}^2 > 0$$

$$c_2 a_{11}^2 a_{22} - c_1 a_{12} a_{11} a_{22} - a_{12} c_2 a_{11} a_{21} + c_1 a_{12}^2 a_{21} \geq 0$$

$$a_{11}^3 a_{22}^3 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 > 0$$

$$-a_{11}^3 a_{22}^3 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + a_{12}^3 a_{21}^3 > 0$$

$$a_{11}^8 a_{22}^8 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 - 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + a_{12}^8 a_{21}^8 \geq 0$$

$$-a_{11}^8 a_{22}^8 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 + 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - a_{12}^8 a_{21}^8 > 0$$

pot #26:

symbol a_{12} : $(-inf, 0.0)$

symbol c_1 : $(-0.0, inf)$

symbol c_2 : $(-inf, 0.0)$

symbol a_{11} : $(-0.0, inf)$

symbol a_{22} : $(-0.0, inf)$

symbol b_1 : $[-0.0, inf)$

symbol b_2 : -0.0

symbol a_{21} : $(-inf, 0.0)$

$$-c_1 a_{22} + c_2 a_{21} > 0$$

$$a_{11} a_{22} - a_{12} a_{21} > 0$$

$$c_2 a_{11} - c_1 a_{12} > 0$$

$$-a_{11}^3 a_{22}^3 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + a_{12}^3 a_{21}^3 \geq 0$$

$$-a_{11}^2 a_{22}^2 + 2.00 \cdot a_{12} a_{11} a_{22} a_{21} - a_{12}^2 a_{21}^2 > 0$$

$$c_2 a_{11}^2 a_{22} - c_1 a_{12} a_{11} a_{22} - a_{12} c_2 a_{11} a_{21} + c_1 a_{12}^2 a_{21} \geq 0$$

$$a_{11}^3 a_{22}^3 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 > 0$$

$$-a_{11}^3 a_{22}^3 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + a_{12}^3 a_{21}^3 > 0$$

$$-a_{11}^8 a_{22}^8 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 + 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - a_{12}^8 a_{21}^8 \geq 0$$

$$-a_{11}^8 a_{22}^8 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 + 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - a_{12}^8 a_{21}^8 > 0$$

pot #27:

symbol a_{12} : $(-inf, 0.0)$

symbol c_1 : $(-0.0, inf)$

symbol c_2 : $(-inf, 0.0)$

symbol a_{11} : $(-0.0, inf)$

symbol a_{22} : $(-0.0, inf)$

symbol $b_1 : [-0.0, inf)$

symbol $b_2 : -0.0$

symbol $a_{21} : (-inf, 0.0)$

$-c_1 a_{22} + c_2 a_{21} > 0$

$a_{11} a_{22} - a_{12} a_{21} > 0$

$c_2 a_{11} - c_1 a_{12} > 0$

$-a_{11}^3 a_{22}^3 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + a_{12}^3 a_{21}^3 \geq 0$

$-a_{11}^2 a_{22}^2 + 2.00 \cdot a_{12} a_{11} a_{22} a_{21} - a_{12}^2 a_{21}^2 > 0$

$c_2 a_{11}^2 a_{22} - c_1 a_{12} a_{11} a_{22} - a_{12} c_2 a_{11} a_{21} + c_1 a_{12}^2 a_{21} \geq 0$

$a_{11}^3 a_{22}^3 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 > 0$

$-a_{11}^3 a_{22}^3 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + a_{12}^3 a_{21}^3 > 0$

$a_{11}^8 a_{22}^8 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 -$

$56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + a_{12}^8 a_{21}^8 \geq 0$

$a_{11}^8 a_{22}^8 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 -$

$56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + a_{12}^8 a_{21}^8 > 0$

pot #28:

symbol $a_{12} : (-inf, 0.0)$

symbol $c_1 : (-0.0, inf)$

symbol $c_2 : (-inf, 0.0)$

symbol $a_{11} : (-0.0, inf)$

symbol $a_{22} : (-0.0, inf)$

symbol $b_1 : [-0.0, inf)$

symbol $b_2 : [-0.0, inf)$

symbol $a_{21} : (-inf, 0.0)$

$-c_1 a_{22} + c_2 a_{21} > 0$

$a_{11} a_{22} - a_{12} a_{21} > 0$

$c_2 a_{11} - c_1 a_{12} > 0$

$-a_{11}^3 a_{22}^3 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + a_{12}^3 a_{21}^3 \geq 0$

$-a_{11}^2 a_{22}^2 + 2.00 \cdot a_{12} a_{11} a_{22} a_{21} - a_{12}^2 a_{21}^2 > 0$

$c_2 a_{11}^2 a_{22} - c_1 a_{12} a_{11} a_{22} - a_{12} c_2 a_{11} a_{21} + c_1 a_{12}^2 a_{21} \geq 0$

$-a_{11}^3 a_{22}^3 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + a_{12}^3 a_{21}^3 > 0$

$a_{11}^3 a_{22}^3 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 > 0$

$-a_{11}^8 a_{22}^8 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 +$

$56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - a_{12}^8 a_{21}^8 \geq 0$

$a_{11}^8 a_{22}^8 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 -$

$56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + a_{12}^8 a_{21}^8 > 0$

pot #29:

symbol $a_{12} : (-inf, 0.0)$

symbol $c_1 : (-0.0, inf)$

symbol $c_2 : (-inf, 0.0)$

symbol $a_{11} : (-0.0, inf)$

symbol $a_{22} : (-0.0, inf)$

symbol $b_1 : [-0.0, inf)$

symbol $b_2 : [-0.0, inf)$

symbol $a_{21} : (-inf, 0.0)$

$-c_1 a_{22} + c_2 a_{21} > 0$

$a_{11} a_{22} - a_{12} a_{21} > 0$

$c_2 a_{11} - c_1 a_{12} > 0$

$-a_{11}^3 a_{22}^3 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + a_{12}^3 a_{21}^3 \geq 0$

$-a_{11}^2 a_{22}^2 + 2.00 \cdot a_{12} a_{11} a_{22} a_{21} - a_{12}^2 a_{21}^2 > 0$

$$\begin{aligned}
& c_2 a_{11}^2 a_{22} - c_1 a_{12} a_{11} a_{22} - a_{12} c_2 a_{11} a_{21} + c_1 a_{12}^2 a_{21} \geq 0 \\
& -a_{11}^3 a_{22}^3 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + a_{12}^3 a_{21}^3 > 0 \\
& a_{11}^3 a_{22}^3 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 > 0 \\
& a_{11}^8 a_{22}^8 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 - \\
& 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + a_{12}^8 a_{21}^8 \geq 0 \\
& -a_{11}^8 a_{22}^8 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 + \\
& 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - a_{12}^8 a_{21}^8 > 0
\end{aligned}$$

pot #30:

symbol a_{12} : $(-inf, 0.0)$

symbol c_1 : $(-0.0, inf)$

symbol c_2 : $(-inf, 0.0)$

symbol a_{11} : $(-0.0, inf)$

symbol a_{22} : $(-0.0, inf)$

symbol b_1 : $[-0.0, inf)$

symbol b_2 : -0.0

symbol a_{21} : $(-inf, 0.0)$

$$-c_1 a_{22} + c_2 a_{21} > 0$$

$$a_{11} a_{22} - a_{12} a_{21} > 0$$

$$c_2 a_{11} - c_1 a_{12} > 0$$

$$-a_{11}^3 a_{22}^3 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + a_{12}^3 a_{21}^3 \geq 0$$

$$-a_{11}^2 a_{22}^2 + 2.00 \cdot a_{12} a_{11} a_{22} a_{21} - a_{12}^2 a_{21}^2 > 0$$

$$c_2 a_{11}^2 a_{22} - c_1 a_{12} a_{11} a_{22} - a_{12} c_2 a_{11} a_{21} + c_1 a_{12}^2 a_{21} \geq 0$$

$$-a_{11}^3 a_{22}^3 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + a_{12}^3 a_{21}^3 > 0$$

$$a_{11}^3 a_{22}^3 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 > 0$$

$$-a_{11}^8 a_{22}^8 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 +$$

$$56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - a_{12}^8 a_{21}^8 \geq 0$$

$$-a_{11}^8 a_{22}^8 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 +$$

$$56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - a_{12}^8 a_{21}^8 > 0$$

pot #31:

symbol a_{12} : $(-inf, 0.0)$

symbol c_1 : $(-0.0, inf)$

symbol c_2 : $(-inf, 0.0)$

symbol a_{11} : $(-0.0, inf)$

symbol a_{22} : $(-0.0, inf)$

symbol b_1 : $[-0.0, inf)$

symbol b_2 : -0.0

symbol a_{21} : $(-inf, 0.0)$

$$-c_1 a_{22} + c_2 a_{21} > 0$$

$$a_{11} a_{22} - a_{12} a_{21} > 0$$

$$c_2 a_{11} - c_1 a_{12} > 0$$

$$-a_{11}^3 a_{22}^3 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + a_{12}^3 a_{21}^3 \geq 0$$

$$-a_{11}^2 a_{22}^2 + 2.00 \cdot a_{12} a_{11} a_{22} a_{21} - a_{12}^2 a_{21}^2 > 0$$

$$c_2 a_{11}^2 a_{22} - c_1 a_{12} a_{11} a_{22} - a_{12} c_2 a_{11} a_{21} + c_1 a_{12}^2 a_{21} \geq 0$$

$$-a_{11}^3 a_{22}^3 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + a_{12}^3 a_{21}^3 > 0$$

$$a_{11}^3 a_{22}^3 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 > 0$$

$$a_{11}^8 a_{22}^8 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 -$$

$$56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + a_{12}^8 a_{21}^8 \geq 0$$

$$a_{11}^8 a_{22}^8 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 -$$

$$56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + a_{12}^8 a_{21}^8 > 0$$

pot #32:

symbol $a_{12} : (-inf, 0.0)$

symbol $c_1 : (-0.0, inf)$

symbol $c_2 : (-inf, 0.0)$

symbol $a_{11} : (-0.0, inf)$

symbol $a_{22} : (-0.0, inf)$

symbol $b_1 : [-0.0, inf)$

symbol $b_2 : [-0.0, inf)$

symbol $a_{21} : (-inf, 0.0)$

$-c_1 a_{22} + c_2 a_{21} > 0$

$a_{11} a_{22} - a_{12} a_{21} > 0$

$c_2 a_{11} - c_1 a_{12} > 0$

$-a_{11}^3 a_{22}^3 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + a_{12}^3 a_{21}^3 \geq 0$

$-a_{11}^2 a_{22}^2 + 2.00 \cdot a_{12} a_{11} a_{22} a_{21} - a_{12}^2 a_{21}^2 > 0$

$c_2 a_{11}^2 a_{22} - c_1 a_{12} a_{11} a_{22} - a_{12} c_2 a_{11} a_{21} + c_1 a_{12}^2 a_{21} \geq 0$

$-a_{11}^3 a_{22}^3 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + a_{12}^3 a_{21}^3 > 0$

$-a_{11}^8 a_{22}^8 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 +$

$56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - a_{12}^8 a_{21}^8 \geq 0$

$a_{11}^8 a_{22}^8 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 -$

$56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + a_{12}^8 a_{21}^8 > 0$

pot #33:

symbol $a_{12} : (-inf, 0.0)$

symbol $c_1 : (-0.0, inf)$

symbol $c_2 : (-inf, 0.0)$

symbol $a_{11} : (-0.0, inf)$

symbol $a_{22} : (-0.0, inf)$

symbol $b_1 : [-0.0, inf)$

symbol $b_2 : [-0.0, inf)$

symbol $a_{21} : (-inf, 0.0)$

$-c_1 a_{22} + c_2 a_{21} > 0$

$a_{11} a_{22} - a_{12} a_{21} > 0$

$c_2 a_{11} - c_1 a_{12} > 0$

$-a_{11}^3 a_{22}^3 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + a_{12}^3 a_{21}^3 \geq 0$

$-a_{11}^2 a_{22}^2 + 2.00 \cdot a_{12} a_{11} a_{22} a_{21} - a_{12}^2 a_{21}^2 > 0$

$c_2 a_{11}^2 a_{22} - c_1 a_{12} a_{11} a_{22} - a_{12} c_2 a_{11} a_{21} + c_1 a_{12}^2 a_{21} \geq 0$

$-a_{11}^3 a_{22}^3 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + a_{12}^3 a_{21}^3 > 0$

$a_{11}^8 a_{22}^8 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 -$

$56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + a_{12}^8 a_{21}^8 \geq 0$

$-a_{11}^8 a_{22}^8 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 +$

$56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - a_{12}^8 a_{21}^8 > 0$

pot #34:

symbol $a_{12} : (-inf, 0.0)$

symbol $c_1 : (-0.0, inf)$

symbol $c_2 : (-inf, 0.0)$

symbol $a_{11} : (-0.0, inf)$

symbol $a_{22} : (-0.0, inf)$

symbol $b_1 : [-0.0, inf)$

symbol $b_2 : -0.0$

symbol $a_{21} : (-inf, 0.0)$

$-c_1 a_{22} + c_2 a_{21} > 0$

$a_{11} a_{22} - a_{12} a_{21} > 0$

$$c_2 a_{11} - c_1 a_{12} > 0$$

$$-a_{11}^3 a_{22}^3 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + a_{12}^3 a_{21}^3 \geq 0$$

$$-a_{11}^2 a_{22}^2 + 2.00 \cdot a_{12} a_{11} a_{22} a_{21} - a_{12}^2 a_{21}^2 > 0$$

$$c_2 a_{11}^2 a_{22} - c_1 a_{12} a_{11} a_{22} - a_{12} c_2 a_{11} a_{21} + c_1 a_{12}^2 a_{21} \geq 0$$

$$-a_{11}^3 a_{22}^3 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + a_{12}^3 a_{21}^3 > 0$$

$$-a_{11}^8 a_{22}^8 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 + 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - a_{12}^8 a_{21}^8 \geq 0$$

$$-a_{11}^8 a_{22}^8 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 + 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - a_{12}^8 a_{21}^8 > 0$$

pot #35:

symbol a_{12} : $(-inf, 0.0)$

symbol c_1 : $(-0.0, inf)$

symbol c_2 : $(-inf, 0.0)$

symbol a_{11} : $(-0.0, inf)$

symbol a_{22} : $(-0.0, inf)$

symbol b_1 : $[-0.0, inf)$

symbol b_2 : -0.0

symbol a_{21} : $(-inf, 0.0)$

$$-c_1 a_{22} + c_2 a_{21} > 0$$

$$a_{11} a_{22} - a_{12} a_{21} > 0$$

$$c_2 a_{11} - c_1 a_{12} > 0$$

$$-a_{11}^3 a_{22}^3 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + a_{12}^3 a_{21}^3 \geq 0$$

$$-a_{11}^2 a_{22}^2 + 2.00 \cdot a_{12} a_{11} a_{22} a_{21} - a_{12}^2 a_{21}^2 > 0$$

$$c_2 a_{11}^2 a_{22} - c_1 a_{12} a_{11} a_{22} - a_{12} c_2 a_{11} a_{21} + c_1 a_{12}^2 a_{21} \geq 0$$

$$-a_{11}^3 a_{22}^3 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + a_{12}^3 a_{21}^3 > 0$$

$$a_{11}^8 a_{22}^8 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 - 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + a_{12}^8 a_{21}^8 \geq 0$$

$$a_{11}^8 a_{22}^8 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 - 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + a_{12}^8 a_{21}^8 > 0$$

pot #36:

symbol a_{12} : $(-inf, 0.0)$

symbol c_1 : $(-0.0, inf)$

symbol c_2 : $(-inf, 0.0)$

symbol a_{11} : $(-0.0, inf)$

symbol a_{22} : $(-0.0, inf)$

symbol b_1 : $[-0.0, inf)$

symbol b_2 : $[-0.0, inf)$

symbol a_{21} : $(-inf, 0.0)$

$$-c_1 a_{22} + c_2 a_{21} > 0$$

$$a_{11} a_{22} - a_{12} a_{21} > 0$$

$$c_2 a_{11} - c_1 a_{12} > 0$$

$$-a_{11}^3 a_{22}^3 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + a_{12}^3 a_{21}^3 \geq 0$$

$$-a_{11}^2 a_{22}^2 + 2.00 \cdot a_{12} a_{11} a_{22} a_{21} - a_{12}^2 a_{21}^2 > 0$$

$$c_2 a_{11}^2 a_{22} - c_1 a_{12} a_{11} a_{22} - a_{12} c_2 a_{11} a_{21} + c_1 a_{12}^2 a_{21} \geq 0$$

$$a_{11}^3 a_{22}^3 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 > 0$$

pot #37:

symbol a_{12} : $(-inf, 0.0)$

symbol c_1 : $(-0.0, inf)$

symbol c_2 : $(-inf, 0.0)$

symbol a_{11} : $(-0.0, inf)$

symbol $a_{22} : (-0.0, inf)$
 symbol $b_1 : [-0.0, inf)$
 symbol $b_2 : [-0.0, inf)$
 symbol $a_{21} : (-inf, 0.0)$
 $-c_1 a_{22} + c_2 a_{21} > 0$
 $a_{11} a_{22} - a_{12} a_{21} > 0$
 $c_2 a_{11} - c_1 a_{12} > 0$
 $-a_{11}^3 a_{22}^3 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + a_{12}^3 a_{21}^3 \geq 0$
 $-a_{11}^2 a_{22}^2 + 2.00 \cdot a_{12} a_{11} a_{22} a_{21} - a_{12}^2 a_{21}^2 > 0$
 $c_2 a_{11}^2 a_{22} - c_1 a_{12} a_{11} a_{22} - a_{12} c_2 a_{11} a_{21} + c_1 a_{12}^2 a_{21} \geq 0$
 $a_{11}^3 a_{22}^3 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 > 0$
 $a_{11}^3 a_{22}^3 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 \geq 0$
 $-a_{11}^3 a_{22}^3 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + a_{12}^3 a_{21}^3 > 0$

pot #38:

symbol $a_{12} : (-inf, 0.0)$
 symbol $c_1 : (-0.0, inf)$
 symbol $c_2 : (-inf, 0.0)$
 symbol $a_{11} : (-0.0, inf)$
 symbol $a_{22} : (-0.0, inf)$
 symbol $b_1 : [-0.0, inf)$
 symbol $b_2 : [-0.0, inf)$
 symbol $a_{21} : (-inf, 0.0)$
 $-c_1 a_{22} + c_2 a_{21} > 0$
 $a_{11} a_{22} - a_{12} a_{21} > 0$
 $c_2 a_{11} - c_1 a_{12} > 0$
 $-a_{11}^3 a_{22}^3 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + a_{12}^3 a_{21}^3 \geq 0$
 $-a_{11}^2 a_{22}^2 + 2.00 \cdot a_{12} a_{11} a_{22} a_{21} - a_{12}^2 a_{21}^2 > 0$
 $c_2 a_{11}^2 a_{22} - c_1 a_{12} a_{11} a_{22} - a_{12} c_2 a_{11} a_{21} + c_1 a_{12}^2 a_{21} \geq 0$
 $-a_{11}^3 a_{22}^3 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + a_{12}^3 a_{21}^3 > 0$
 $a_{11}^3 a_{22}^3 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 > 0$

pot #39:

symbol $a_{12} : (-inf, 0.0)$
 symbol $c_1 : (-0.0, inf)$
 symbol $c_2 : (-inf, 0.0)$
 symbol $a_{11} : (-0.0, inf)$
 symbol $a_{22} : (-0.0, inf)$
 symbol $b_1 : [-0.0, inf)$
 symbol $b_2 : [-0.0, inf)$
 symbol $a_{21} : (-inf, 0.0)$
 $-c_1 a_{22} + c_2 a_{21} > 0$
 $a_{11} a_{22} - a_{12} a_{21} > 0$
 $c_2 a_{11} - c_1 a_{12} > 0$
 $-a_{11}^3 a_{22}^3 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + a_{12}^3 a_{21}^3 \geq 0$
 $-a_{11}^2 a_{22}^2 + 2.00 \cdot a_{12} a_{11} a_{22} a_{21} - a_{12}^2 a_{21}^2 > 0$
 $c_2 a_{11}^2 a_{22} - c_1 a_{12} a_{11} a_{22} - a_{12} c_2 a_{11} a_{21} + c_1 a_{12}^2 a_{21} \geq 0$
 $-a_{11}^3 a_{22}^3 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + a_{12}^3 a_{21}^3 > 0$
 $a_{11}^3 a_{22}^3 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 \geq 0$

pot #40:

symbol $a_{12} : (-inf, 0.0)$
 symbol $c_1 : (-0.0, inf)$

symbol $c_2 : (-inf, 0.0)$
symbol $a_{11} : (-0.0, inf)$
symbol $a_{22} : (-0.0, inf)$
symbol $b_1 : -0.0$
symbol $b_2 : [-0.0, inf)$
symbol $a_{21} : (-inf, 0.0)$
 $-c_1 a_{22} + c_2 a_{21} > 0$
 $a_{11} a_{22} - a_{12} a_{21} > 0$
 $c_2 a_{11} - c_1 a_{12} > 0$
 $a_{11}^3 a_{22}^3 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 \geq 0$
 $-a_{11}^2 a_{22}^2 + 2.00 \cdot a_{12} a_{11} a_{22} a_{21} - a_{12}^2 a_{21}^2 > 0$
 $c_2 a_{11}^2 a_{22} - c_1 a_{12} a_{11} a_{22} - a_{12} c_2 a_{11} a_{21} + c_1 a_{12}^2 a_{21} \geq 0$
 $a_{11}^3 a_{22}^3 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 > 0$
 $-a_{11}^8 a_{22}^8 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 +$
 $56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - a_{12}^8 a_{21}^8 \geq 0$
 $a_{11}^8 a_{22}^8 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 -$
 $56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + a_{12}^8 a_{21}^8 > 0$

pot #41:

symbol $a_{12} : (-inf, 0.0)$
symbol $c_1 : (-0.0, inf)$
symbol $c_2 : (-inf, 0.0)$
symbol $a_{11} : (-0.0, inf)$
symbol $a_{22} : (-0.0, inf)$
symbol $b_1 : -0.0$
symbol $b_2 : [-0.0, inf)$
symbol $a_{21} : (-inf, 0.0)$
 $-c_1 a_{22} + c_2 a_{21} > 0$
 $a_{11} a_{22} - a_{12} a_{21} > 0$
 $c_2 a_{11} - c_1 a_{12} > 0$
 $a_{11}^3 a_{22}^3 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 \geq 0$
 $-a_{11}^2 a_{22}^2 + 2.00 \cdot a_{12} a_{11} a_{22} a_{21} - a_{12}^2 a_{21}^2 > 0$
 $c_2 a_{11}^2 a_{22} - c_1 a_{12} a_{11} a_{22} - a_{12} c_2 a_{11} a_{21} + c_1 a_{12}^2 a_{21} \geq 0$
 $a_{11}^3 a_{22}^3 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 > 0$
 $a_{11}^8 a_{22}^8 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 -$
 $56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + a_{12}^8 a_{21}^8 \geq 0$
 $-a_{11}^8 a_{22}^8 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 +$
 $56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - a_{12}^8 a_{21}^8 > 0$

pot #42:

symbol $a_{12} : (-inf, 0.0)$
symbol $c_1 : (-0.0, inf)$
symbol $c_2 : (-inf, 0.0)$
symbol $a_{11} : (-0.0, inf)$
symbol $a_{22} : (-0.0, inf)$
symbol $b_1 : -0.0$
symbol $b_2 : -0.0$
symbol $a_{21} : (-inf, 0.0)$
 $-c_1 a_{22} + c_2 a_{21} > 0$
 $a_{11} a_{22} - a_{12} a_{21} > 0$
 $c_2 a_{11} - c_1 a_{12} > 0$
 $a_{11}^3 a_{22}^3 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 \geq 0$

$$\begin{aligned}
& -a_{11}^2 a_{22}^2 + 2.00 \cdot a_{12} a_{11} a_{22} a_{21} - a_{12}^2 a_{21}^2 > 0 \\
& c_2 a_{11}^2 a_{22} - c_1 a_{12} a_{11} a_{22} - a_{12} c_2 a_{11} a_{21} + c_1 a_{12}^2 a_{21} \geq 0 \\
& a_{11}^3 a_{22}^3 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 > 0 \\
& -a_{11}^8 a_{22}^8 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 + \\
& 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - a_{12}^8 a_{21}^8 \geq 0 \\
& -a_{11}^8 a_{22}^8 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 + \\
& 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - a_{12}^8 a_{21}^8 > 0
\end{aligned}$$

pot #43:

symbol a_{12} : $(-inf, 0.0)$

symbol c_1 : $(-0.0, inf)$

symbol c_2 : $(-inf, 0.0)$

symbol a_{11} : $(-0.0, inf)$

symbol a_{22} : $(-0.0, inf)$

symbol b_1 : -0.0

symbol b_2 : -0.0

symbol a_{21} : $(-inf, 0.0)$

$$-c_1 a_{22} + c_2 a_{21} > 0$$

$$a_{11} a_{22} - a_{12} a_{21} > 0$$

$$c_2 a_{11} - c_1 a_{12} > 0$$

$$a_{11}^3 a_{22}^3 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 \geq 0$$

$$-a_{11}^2 a_{22}^2 + 2.00 \cdot a_{12} a_{11} a_{22} a_{21} - a_{12}^2 a_{21}^2 > 0$$

$$c_2 a_{11}^2 a_{22} - c_1 a_{12} a_{11} a_{22} - a_{12} c_2 a_{11} a_{21} + c_1 a_{12}^2 a_{21} \geq 0$$

$$a_{11}^3 a_{22}^3 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 > 0$$

$$a_{11}^8 a_{22}^8 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 -$$

$$56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + a_{12}^8 a_{21}^8 \geq 0$$

$$a_{11}^8 a_{22}^8 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 -$$

$$56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + a_{12}^8 a_{21}^8 > 0$$

pot #44:

symbol a_{12} : $(-inf, 0.0)$

symbol c_1 : $(-0.0, inf)$

symbol c_2 : $(-inf, 0.0)$

symbol a_{11} : $(-0.0, inf)$

symbol a_{22} : $(-0.0, inf)$

symbol b_1 : -0.0

symbol b_2 : $[-0.0, inf)$

symbol a_{21} : $(-inf, 0.0)$

$$-c_1 a_{22} + c_2 a_{21} > 0$$

$$a_{11} a_{22} - a_{12} a_{21} > 0$$

$$c_2 a_{11} - c_1 a_{12} > 0$$

$$a_{11}^3 a_{22}^3 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 \geq 0$$

$$-a_{11}^2 a_{22}^2 + 2.00 \cdot a_{12} a_{11} a_{22} a_{21} - a_{12}^2 a_{21}^2 > 0$$

$$c_2 a_{11}^2 a_{22} - c_1 a_{12} a_{11} a_{22} - a_{12} c_2 a_{11} a_{21} + c_1 a_{12}^2 a_{21} \geq 0$$

$$a_{11}^3 a_{22}^3 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 > 0$$

$$-a_{11}^3 a_{22}^3 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + a_{12}^3 a_{21}^3 > 0$$

$$-a_{11}^8 a_{22}^8 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 +$$

$$56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - a_{12}^8 a_{21}^8 \geq 0$$

$$a_{11}^8 a_{22}^8 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 -$$

$$56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + a_{12}^8 a_{21}^8 > 0$$

pot #45:

symbol a_{12} : $(-inf, 0.0)$

symbol $c_1 : (-0.0, inf)$
symbol $c_2 : (-inf, 0.0)$
symbol $a_{11} : (-0.0, inf)$
symbol $a_{22} : (-0.0, inf)$
symbol $b_1 : -0.0$
symbol $b_2 : [-0.0, inf)$
symbol $a_{21} : (-inf, 0.0)$
 $-c_1 a_{22} + c_2 a_{21} > 0$
 $a_{11} a_{22} - a_{12} a_{21} > 0$
 $c_2 a_{11} - c_1 a_{12} > 0$
 $a_{11}^3 a_{22}^3 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 \geq 0$
 $-a_{11}^2 a_{22}^2 + 2.00 \cdot a_{12} a_{11} a_{22} a_{21} - a_{12}^2 a_{21}^2 > 0$
 $c_2 a_{11}^2 a_{22} - c_1 a_{12} a_{11} a_{22} - a_{12} c_2 a_{11} a_{21} + c_1 a_{12}^2 a_{21} \geq 0$
 $a_{11}^3 a_{22}^3 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 > 0$
 $-a_{11}^3 a_{22}^3 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + a_{12}^3 a_{21}^3 > 0$
 $a_{11}^8 a_{22}^8 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 -$
 $56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + a_{12}^8 a_{21}^8 \geq 0$
 $-a_{11}^8 a_{22}^8 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 +$
 $56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - a_{12}^8 a_{21}^8 > 0$
pot #46:
symbol $a_{12} : (-inf, 0.0)$
symbol $c_1 : (-0.0, inf)$
symbol $c_2 : (-inf, 0.0)$
symbol $a_{11} : (-0.0, inf)$
symbol $a_{22} : (-0.0, inf)$
symbol $b_1 : -0.0$
symbol $b_2 : -0.0$
symbol $a_{21} : (-inf, 0.0)$
 $-c_1 a_{22} + c_2 a_{21} > 0$
 $a_{11} a_{22} - a_{12} a_{21} > 0$
 $c_2 a_{11} - c_1 a_{12} > 0$
 $a_{11}^3 a_{22}^3 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 \geq 0$
 $-a_{11}^2 a_{22}^2 + 2.00 \cdot a_{12} a_{11} a_{22} a_{21} - a_{12}^2 a_{21}^2 > 0$
 $c_2 a_{11}^2 a_{22} - c_1 a_{12} a_{11} a_{22} - a_{12} c_2 a_{11} a_{21} + c_1 a_{12}^2 a_{21} \geq 0$
 $a_{11}^3 a_{22}^3 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 > 0$
 $-a_{11}^3 a_{22}^3 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + a_{12}^3 a_{21}^3 > 0$
 $-a_{11}^8 a_{22}^8 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 +$
 $56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - a_{12}^8 a_{21}^8 \geq 0$
 $-a_{11}^8 a_{22}^8 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 +$
 $56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - a_{12}^8 a_{21}^8 > 0$
pot #47:
symbol $a_{12} : (-inf, 0.0)$
symbol $c_1 : (-0.0, inf)$
symbol $c_2 : (-inf, 0.0)$
symbol $a_{11} : (-0.0, inf)$
symbol $a_{22} : (-0.0, inf)$
symbol $b_1 : -0.0$
symbol $b_2 : -0.0$
symbol $a_{21} : (-inf, 0.0)$
 $-c_1 a_{22} + c_2 a_{21} > 0$

$$a_{11}a_{22} - a_{12}a_{21} > 0$$

$$c_2a_{11} - c_1a_{12} > 0$$

$$a_{11}^3a_{22}^3 - 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} + 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 - a_{12}^3a_{21}^3 \geq 0$$

$$-a_{11}^2a_{22}^2 + 2.00 \cdot a_{12}a_{11}a_{22}a_{21} - a_{12}^2a_{21}^2 > 0$$

$$c_2a_{11}^2a_{22} - c_1a_{12}a_{11}a_{22} - a_{12}c_2a_{11}a_{21} + c_1a_{12}^2a_{21} \geq 0$$

$$a_{11}^3a_{22}^3 - 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} + 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 - a_{12}^3a_{21}^3 > 0$$

$$-a_{11}^3a_{22}^3 + 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} - 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 + a_{12}^3a_{21}^3 > 0$$

$$a_{11}^8a_{22}^8 - 8.00 \cdot a_{12}a_{11}^7a_{22}^7a_{21} + 28.00 \cdot a_{12}^2a_{11}^6a_{22}^6a_{21}^2 - 56.00 \cdot a_{12}^3a_{11}^5a_{22}^5a_{21}^3 + 70.00 \cdot a_{12}^4a_{11}^4a_{22}^4a_{21}^4 - 56.00 \cdot a_{12}^5a_{11}^3a_{22}^3a_{21}^5 + 28.00 \cdot a_{12}^6a_{11}^2a_{22}^2a_{21}^6 - 8.00 \cdot a_{12}^7a_{11}a_{22}a_{21}^7 + a_{12}^8a_{21}^8 \geq 0$$

$$a_{11}^8a_{22}^8 - 8.00 \cdot a_{12}a_{11}^7a_{22}^7a_{21} + 28.00 \cdot a_{12}^2a_{11}^6a_{22}^6a_{21}^2 - 56.00 \cdot a_{12}^3a_{11}^5a_{22}^5a_{21}^3 + 70.00 \cdot a_{12}^4a_{11}^4a_{22}^4a_{21}^4 - 56.00 \cdot a_{12}^5a_{11}^3a_{22}^3a_{21}^5 + 28.00 \cdot a_{12}^6a_{11}^2a_{22}^2a_{21}^6 - 8.00 \cdot a_{12}^7a_{11}a_{22}a_{21}^7 + a_{12}^8a_{21}^8 > 0$$

pot #48:

symbol a_{12} : $(-inf, 0.0)$

symbol c_1 : $(-0.0, inf)$

symbol c_2 : $(-inf, 0.0)$

symbol a_{11} : $(-0.0, inf)$

symbol a_{22} : $(-0.0, inf)$

symbol b_1 : -0.0

symbol b_2 : $[-0.0, inf)$

symbol a_{21} : $(-inf, 0.0)$

$$-c_1a_{22} + c_2a_{21} > 0$$

$$a_{11}a_{22} - a_{12}a_{21} > 0$$

$$c_2a_{11} - c_1a_{12} > 0$$

$$a_{11}^3a_{22}^3 - 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} + 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 - a_{12}^3a_{21}^3 \geq 0$$

$$-a_{11}^2a_{22}^2 + 2.00 \cdot a_{12}a_{11}a_{22}a_{21} - a_{12}^2a_{21}^2 > 0$$

$$c_2a_{11}^2a_{22} - c_1a_{12}a_{11}a_{22} - a_{12}c_2a_{11}a_{21} + c_1a_{12}^2a_{21} \geq 0$$

$$-a_{11}^3a_{22}^3 + 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} - 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 + a_{12}^3a_{21}^3 > 0$$

$$a_{11}^3a_{22}^3 - 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} + 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 - a_{12}^3a_{21}^3 > 0$$

$$-a_{11}^8a_{22}^8 + 8.00 \cdot a_{12}a_{11}^7a_{22}^7a_{21} - 28.00 \cdot a_{12}^2a_{11}^6a_{22}^6a_{21}^2 + 56.00 \cdot a_{12}^3a_{11}^5a_{22}^5a_{21}^3 - 70.00 \cdot a_{12}^4a_{11}^4a_{22}^4a_{21}^4 + 56.00 \cdot a_{12}^5a_{11}^3a_{22}^3a_{21}^5 - 28.00 \cdot a_{12}^6a_{11}^2a_{22}^2a_{21}^6 + 8.00 \cdot a_{12}^7a_{11}a_{22}a_{21}^7 - a_{12}^8a_{21}^8 \geq 0$$

$$a_{11}^8a_{22}^8 - 8.00 \cdot a_{12}a_{11}^7a_{22}^7a_{21} + 28.00 \cdot a_{12}^2a_{11}^6a_{22}^6a_{21}^2 - 56.00 \cdot a_{12}^3a_{11}^5a_{22}^5a_{21}^3 + 70.00 \cdot a_{12}^4a_{11}^4a_{22}^4a_{21}^4 - 56.00 \cdot a_{12}^5a_{11}^3a_{22}^3a_{21}^5 + 28.00 \cdot a_{12}^6a_{11}^2a_{22}^2a_{21}^6 - 8.00 \cdot a_{12}^7a_{11}a_{22}a_{21}^7 + a_{12}^8a_{21}^8 > 0$$

pot #49:

symbol a_{12} : $(-inf, 0.0)$

symbol c_1 : $(-0.0, inf)$

symbol c_2 : $(-inf, 0.0)$

symbol a_{11} : $(-0.0, inf)$

symbol a_{22} : $(-0.0, inf)$

symbol b_1 : -0.0

symbol b_2 : $[-0.0, inf)$

symbol a_{21} : $(-inf, 0.0)$

$$-c_1a_{22} + c_2a_{21} > 0$$

$$a_{11}a_{22} - a_{12}a_{21} > 0$$

$$c_2a_{11} - c_1a_{12} > 0$$

$$a_{11}^3a_{22}^3 - 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} + 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 - a_{12}^3a_{21}^3 \geq 0$$

$$-a_{11}^2a_{22}^2 + 2.00 \cdot a_{12}a_{11}a_{22}a_{21} - a_{12}^2a_{21}^2 > 0$$

$$c_2a_{11}^2a_{22} - c_1a_{12}a_{11}a_{22} - a_{12}c_2a_{11}a_{21} + c_1a_{12}^2a_{21} \geq 0$$

$$-a_{11}^3a_{22}^3 + 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} - 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 + a_{12}^3a_{21}^3 > 0$$

$$a_{11}^3a_{22}^3 - 3.00 \cdot a_{12}a_{11}^2a_{22}^2a_{21} + 3.00 \cdot a_{12}^2a_{11}a_{22}a_{21}^2 - a_{12}^3a_{21}^3 > 0$$

$$a_{11}^8a_{22}^8 - 8.00 \cdot a_{12}a_{11}^7a_{22}^7a_{21} + 28.00 \cdot a_{12}^2a_{11}^6a_{22}^6a_{21}^2 - 56.00 \cdot a_{12}^3a_{11}^5a_{22}^5a_{21}^3 + 70.00 \cdot a_{12}^4a_{11}^4a_{22}^4a_{21}^4 -$$

$$\begin{aligned}
& 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + a_{12}^8 a_{21}^8 \geq 0 \\
& -a_{11}^8 a_{22}^8 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 + \\
& 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - a_{12}^8 a_{21}^8 > 0
\end{aligned}$$

pot #50:

symbol a_{12} : $(-inf, 0.0)$

symbol c_1 : $(-0.0, inf)$

symbol c_2 : $(-inf, 0.0)$

symbol a_{11} : $(-0.0, inf)$

symbol a_{22} : $(-0.0, inf)$

symbol b_1 : -0.0

symbol b_2 : -0.0

symbol a_{21} : $(-inf, 0.0)$

$$-c_1 a_{22} + c_2 a_{21} > 0$$

$$a_{11} a_{22} - a_{12} a_{21} > 0$$

$$c_2 a_{11} - c_1 a_{12} > 0$$

$$a_{11}^3 a_{22}^3 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 \geq 0$$

$$-a_{11}^2 a_{22}^2 + 2.00 \cdot a_{12} a_{11} a_{22} a_{21} - a_{12}^2 a_{21}^2 > 0$$

$$c_2 a_{11}^2 a_{22} - c_1 a_{12} a_{11} a_{22} - a_{12} c_2 a_{11} a_{21} + c_1 a_{12}^2 a_{21} \geq 0$$

$$-a_{11}^3 a_{22}^3 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + a_{12}^3 a_{21}^3 > 0$$

$$a_{11}^3 a_{22}^3 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 > 0$$

$$-a_{11}^8 a_{22}^8 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 +$$

$$56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - a_{12}^8 a_{21}^8 \geq 0$$

$$-a_{11}^8 a_{22}^8 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 +$$

$$56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - a_{12}^8 a_{21}^8 > 0$$

pot #51:

symbol a_{12} : $(-inf, 0.0)$

symbol c_1 : $(-0.0, inf)$

symbol c_2 : $(-inf, 0.0)$

symbol a_{11} : $(-0.0, inf)$

symbol a_{22} : $(-0.0, inf)$

symbol b_1 : -0.0

symbol b_2 : -0.0

symbol a_{21} : $(-inf, 0.0)$

$$-c_1 a_{22} + c_2 a_{21} > 0$$

$$a_{11} a_{22} - a_{12} a_{21} > 0$$

$$c_2 a_{11} - c_1 a_{12} > 0$$

$$a_{11}^3 a_{22}^3 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 \geq 0$$

$$-a_{11}^2 a_{22}^2 + 2.00 \cdot a_{12} a_{11} a_{22} a_{21} - a_{12}^2 a_{21}^2 > 0$$

$$c_2 a_{11}^2 a_{22} - c_1 a_{12} a_{11} a_{22} - a_{12} c_2 a_{11} a_{21} + c_1 a_{12}^2 a_{21} \geq 0$$

$$-a_{11}^3 a_{22}^3 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + a_{12}^3 a_{21}^3 > 0$$

$$a_{11}^3 a_{22}^3 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 > 0$$

$$a_{11}^8 a_{22}^8 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 -$$

$$56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + a_{12}^8 a_{21}^8 \geq 0$$

$$a_{11}^8 a_{22}^8 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 -$$

$$56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + a_{12}^8 a_{21}^8 > 0$$

pot #52:

symbol a_{12} : $(-inf, 0.0)$

symbol c_1 : $(-0.0, inf)$

symbol c_2 : $(-inf, 0.0)$

symbol a_{11} : $(-0.0, inf)$

symbol $a_{22} : (-0.0, inf)$

symbol $b_1 : -0.0$

symbol $b_2 : [-0.0, inf)$

symbol $a_{21} : (-inf, 0.0)$

$$-c_1 a_{22} + c_2 a_{21} > 0$$

$$a_{11} a_{22} - a_{12} a_{21} > 0$$

$$c_2 a_{11} - c_1 a_{12} > 0$$

$$a_{11}^3 a_{22}^3 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 \geq 0$$

$$-a_{11}^2 a_{22}^2 + 2.00 \cdot a_{12} a_{11} a_{22} a_{21} - a_{12}^2 a_{21}^2 > 0$$

$$c_2 a_{11}^2 a_{22} - c_1 a_{12} a_{11} a_{22} - a_{12} c_2 a_{11} a_{21} + c_1 a_{12}^2 a_{21} \geq 0$$

$$-a_{11}^3 a_{22}^3 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + a_{12}^3 a_{21}^3 > 0$$

$$-a_{11}^8 a_{22}^8 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 + 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - a_{12}^8 a_{21}^8 \geq 0$$

$$a_{11}^8 a_{22}^8 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 - 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + a_{12}^8 a_{21}^8 > 0$$

pot #53:

symbol $a_{12} : (-inf, 0.0)$

symbol $c_1 : (-0.0, inf)$

symbol $c_2 : (-inf, 0.0)$

symbol $a_{11} : (-0.0, inf)$

symbol $a_{22} : (-0.0, inf)$

symbol $b_1 : -0.0$

symbol $b_2 : [-0.0, inf)$

symbol $a_{21} : (-inf, 0.0)$

$$-c_1 a_{22} + c_2 a_{21} > 0$$

$$a_{11} a_{22} - a_{12} a_{21} > 0$$

$$c_2 a_{11} - c_1 a_{12} > 0$$

$$a_{11}^3 a_{22}^3 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 \geq 0$$

$$-a_{11}^2 a_{22}^2 + 2.00 \cdot a_{12} a_{11} a_{22} a_{21} - a_{12}^2 a_{21}^2 > 0$$

$$c_2 a_{11}^2 a_{22} - c_1 a_{12} a_{11} a_{22} - a_{12} c_2 a_{11} a_{21} + c_1 a_{12}^2 a_{21} \geq 0$$

$$-a_{11}^3 a_{22}^3 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + a_{12}^3 a_{21}^3 > 0$$

$$a_{11}^8 a_{22}^8 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 - 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + a_{12}^8 a_{21}^8 \geq 0$$

$$-a_{11}^8 a_{22}^8 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 + 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - a_{12}^8 a_{21}^8 > 0$$

pot #54:

symbol $a_{12} : (-inf, 0.0)$

symbol $c_1 : (-0.0, inf)$

symbol $c_2 : (-inf, 0.0)$

symbol $a_{11} : (-0.0, inf)$

symbol $a_{22} : (-0.0, inf)$

symbol $b_1 : -0.0$

symbol $b_2 : -0.0$

symbol $a_{21} : (-inf, 0.0)$

$$-c_1 a_{22} + c_2 a_{21} > 0$$

$$a_{11} a_{22} - a_{12} a_{21} > 0$$

$$c_2 a_{11} - c_1 a_{12} > 0$$

$$a_{11}^3 a_{22}^3 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 \geq 0$$

$$-a_{11}^2 a_{22}^2 + 2.00 \cdot a_{12} a_{11} a_{22} a_{21} - a_{12}^2 a_{21}^2 > 0$$

$$c_2 a_{11}^2 a_{22} - c_1 a_{12} a_{11} a_{22} - a_{12} c_2 a_{11} a_{21} + c_1 a_{12}^2 a_{21} \geq 0$$

$$\begin{aligned}
& -a_{11}^3 a_{22}^3 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + a_{12}^3 a_{21}^3 > 0 \\
& -a_{11}^8 a_{22}^8 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 + \\
& 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - a_{12}^8 a_{21}^8 \geq 0 \\
& -a_{11}^8 a_{22}^8 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 + \\
& 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - a_{12}^8 a_{21}^8 > 0
\end{aligned}$$

pot #55:

symbol a_{12} : $(-inf, 0.0)$

symbol c_1 : $(-0.0, inf)$

symbol c_2 : $(-inf, 0.0)$

symbol a_{11} : $(-0.0, inf)$

symbol a_{22} : $(-0.0, inf)$

symbol b_1 : -0.0

symbol b_2 : -0.0

symbol a_{21} : $(-inf, 0.0)$

$$-c_1 a_{22} + c_2 a_{21} > 0$$

$$a_{11} a_{22} - a_{12} a_{21} > 0$$

$$c_2 a_{11} - c_1 a_{12} > 0$$

$$a_{11}^3 a_{22}^3 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 \geq 0$$

$$-a_{11}^2 a_{22}^2 + 2.00 \cdot a_{12} a_{11} a_{22} a_{21} - a_{12}^2 a_{21}^2 > 0$$

$$c_2 a_{11}^2 a_{22} - c_1 a_{12} a_{11} a_{22} - a_{12} c_2 a_{11} a_{21} + c_1 a_{12}^2 a_{21} \geq 0$$

$$-a_{11}^3 a_{22}^3 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + a_{12}^3 a_{21}^3 > 0$$

$$a_{11}^8 a_{22}^8 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 -$$

$$56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + a_{12}^8 a_{21}^8 \geq 0$$

$$a_{11}^8 a_{22}^8 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 -$$

$$56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + a_{12}^8 a_{21}^8 > 0$$

pot #56:

symbol a_{12} : $(-inf, 0.0)$

symbol c_1 : $(-0.0, inf)$

symbol c_2 : $(-inf, 0.0)$

symbol a_{11} : $(-0.0, inf)$

symbol a_{22} : $(-0.0, inf)$

symbol b_1 : -0.0

symbol b_2 : $[-0.0, inf)$

symbol a_{21} : $(-inf, 0.0)$

$$-c_1 a_{22} + c_2 a_{21} > 0$$

$$a_{11} a_{22} - a_{12} a_{21} > 0$$

$$c_2 a_{11} - c_1 a_{12} > 0$$

$$a_{11}^3 a_{22}^3 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 \geq 0$$

$$-a_{11}^2 a_{22}^2 + 2.00 \cdot a_{12} a_{11} a_{22} a_{21} - a_{12}^2 a_{21}^2 > 0$$

$$c_2 a_{11}^2 a_{22} - c_1 a_{12} a_{11} a_{22} - a_{12} c_2 a_{11} a_{21} + c_1 a_{12}^2 a_{21} \geq 0$$

$$a_{11}^3 a_{22}^3 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 > 0$$

$$-a_{11}^3 a_{22}^3 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + a_{12}^3 a_{21}^3 \geq 0$$

pot #57:

symbol a_{12} : $(-inf, 0.0)$

symbol c_1 : $(-0.0, inf)$

symbol c_2 : $(-inf, 0.0)$

symbol a_{11} : $(-0.0, inf)$

symbol a_{22} : $(-0.0, inf)$

symbol b_1 : -0.0

symbol b_2 : $[-0.0, inf)$

symbol $a_{21} : (-inf, 0.0)$
 $-c_1 a_{22} + c_2 a_{21} > 0$
 $a_{11} a_{22} - a_{12} a_{21} > 0$
 $c_2 a_{11} - c_1 a_{12} > 0$
 $a_{11}^3 a_{22}^3 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 \geq 0$
 $-a_{11}^2 a_{22}^2 + 2.00 \cdot a_{12} a_{11} a_{22} a_{21} - a_{12}^2 a_{21}^2 > 0$
 $c_2 a_{11}^2 a_{22} - c_1 a_{12} a_{11} a_{22} - a_{12} c_2 a_{11} a_{21} + c_1 a_{12}^2 a_{21} \geq 0$
 $a_{11}^3 a_{22}^3 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 > 0$
 $-a_{11}^3 a_{22}^3 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + a_{12}^3 a_{21}^3 > 0$
pot #58:

symbol $a_{12} : (-inf, 0.0)$
symbol $c_1 : (-0.0, inf)$
symbol $c_2 : (-inf, 0.0)$
symbol $a_{11} : (-0.0, inf)$
symbol $a_{22} : (-0.0, inf)$
symbol $b_1 : -0.0$
symbol $b_2 : [-0.0, inf)$
symbol $a_{21} : (-inf, 0.0)$
 $-c_1 a_{22} + c_2 a_{21} > 0$
 $a_{11} a_{22} - a_{12} a_{21} > 0$
 $c_2 a_{11} - c_1 a_{12} > 0$
 $a_{11}^3 a_{22}^3 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 \geq 0$
 $-a_{11}^2 a_{22}^2 + 2.00 \cdot a_{12} a_{11} a_{22} a_{21} - a_{12}^2 a_{21}^2 > 0$
 $c_2 a_{11}^2 a_{22} - c_1 a_{12} a_{11} a_{22} - a_{12} c_2 a_{11} a_{21} + c_1 a_{12}^2 a_{21} \geq 0$
 $-a_{11}^3 a_{22}^3 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + a_{12}^3 a_{21}^3 > 0$
 $-a_{11}^3 a_{22}^3 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + a_{12}^3 a_{21}^3 \geq 0$
 $a_{11}^3 a_{22}^3 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 > 0$
pot #59:

symbol $a_{12} : (-inf, 0.0)$
symbol $c_1 : (-0.0, inf)$
symbol $c_2 : (-inf, 0.0)$
symbol $a_{11} : (-0.0, inf)$
symbol $a_{22} : (-0.0, inf)$
symbol $b_1 : -0.0$
symbol $b_2 : [-0.0, inf)$
symbol $a_{21} : (-inf, 0.0)$
 $-c_1 a_{22} + c_2 a_{21} > 0$
 $a_{11} a_{22} - a_{12} a_{21} > 0$
 $c_2 a_{11} - c_1 a_{12} > 0$
 $a_{11}^3 a_{22}^3 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 \geq 0$
 $-a_{11}^2 a_{22}^2 + 2.00 \cdot a_{12} a_{11} a_{22} a_{21} - a_{12}^2 a_{21}^2 > 0$
 $c_2 a_{11}^2 a_{22} - c_1 a_{12} a_{11} a_{22} - a_{12} c_2 a_{11} a_{21} + c_1 a_{12}^2 a_{21} \geq 0$
 $-a_{11}^3 a_{22}^3 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + a_{12}^3 a_{21}^3 > 0$
pot #60:

symbol $a_{12} : (-inf, 0.0)$
symbol $c_1 : (-0.0, inf)$
symbol $c_2 : (-inf, 0.0)$
symbol $a_{11} : (-0.0, inf)$
symbol $a_{22} : (-0.0, inf)$
symbol $b_1 : -0.0$

symbol $b_2 : [-0.0, inf)$

symbol $a_{21} : (-inf, 0.0)$

$$-c_1 a_{22} + c_2 a_{21} > 0$$

$$a_{11} a_{22} - a_{12} a_{21} > 0$$

$$c_2 a_{11} - c_1 a_{12} > 0$$

$$-a_{11}^3 a_{22}^3 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + a_{12}^3 a_{21}^3 \geq 0$$

$$a_{11}^2 a_{22}^2 - 2.00 \cdot a_{12} a_{11} a_{22} a_{21} + a_{12}^2 a_{21}^2 > 0$$

$$c_2 a_{11}^2 a_{22} - c_1 a_{12} a_{11} a_{22} - a_{12} c_2 a_{11} a_{21} + c_1 a_{12}^2 a_{21} \geq 0$$

$$a_{11}^3 a_{22}^3 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 > 0$$

$$-a_{11}^8 a_{22}^8 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 +$$

$$56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - a_{12}^8 a_{21}^8 \geq 0$$

$$a_{11}^8 a_{22}^8 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 -$$

$$56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + a_{12}^8 a_{21}^8 > 0$$

pot #61:

symbol $a_{12} : (-inf, 0.0)$

symbol $c_1 : (-0.0, inf)$

symbol $c_2 : (-inf, 0.0)$

symbol $a_{11} : (-0.0, inf)$

symbol $a_{22} : (-0.0, inf)$

symbol $b_1 : -0.0$

symbol $b_2 : [-0.0, inf)$

symbol $a_{21} : (-inf, 0.0)$

$$-c_1 a_{22} + c_2 a_{21} > 0$$

$$a_{11} a_{22} - a_{12} a_{21} > 0$$

$$c_2 a_{11} - c_1 a_{12} > 0$$

$$-a_{11}^3 a_{22}^3 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + a_{12}^3 a_{21}^3 \geq 0$$

$$a_{11}^2 a_{22}^2 - 2.00 \cdot a_{12} a_{11} a_{22} a_{21} + a_{12}^2 a_{21}^2 > 0$$

$$c_2 a_{11}^2 a_{22} - c_1 a_{12} a_{11} a_{22} - a_{12} c_2 a_{11} a_{21} + c_1 a_{12}^2 a_{21} \geq 0$$

$$a_{11}^3 a_{22}^3 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 > 0$$

$$a_{11}^8 a_{22}^8 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 -$$

$$56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + a_{12}^8 a_{21}^8 \geq 0$$

$$-a_{11}^8 a_{22}^8 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 +$$

$$56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - a_{12}^8 a_{21}^8 > 0$$

pot #62:

symbol $a_{12} : (-inf, 0.0)$

symbol $c_1 : (-0.0, inf)$

symbol $c_2 : (-inf, 0.0)$

symbol $a_{11} : (-0.0, inf)$

symbol $a_{22} : (-0.0, inf)$

symbol $b_1 : -0.0$

symbol $b_2 : -0.0$

symbol $a_{21} : (-inf, 0.0)$

$$-c_1 a_{22} + c_2 a_{21} > 0$$

$$a_{11} a_{22} - a_{12} a_{21} > 0$$

$$c_2 a_{11} - c_1 a_{12} > 0$$

$$-a_{11}^3 a_{22}^3 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + a_{12}^3 a_{21}^3 \geq 0$$

$$a_{11}^2 a_{22}^2 - 2.00 \cdot a_{12} a_{11} a_{22} a_{21} + a_{12}^2 a_{21}^2 > 0$$

$$c_2 a_{11}^2 a_{22} - c_1 a_{12} a_{11} a_{22} - a_{12} c_2 a_{11} a_{21} + c_1 a_{12}^2 a_{21} \geq 0$$

$$a_{11}^3 a_{22}^3 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 > 0$$

$$-a_{11}^8 a_{22}^8 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 +$$

$$\begin{aligned}
& 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - a_{12}^8 a_{21}^8 \geq 0 \\
& -a_{11}^8 a_{22}^8 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 + \\
& 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - a_{12}^8 a_{21}^8 > 0
\end{aligned}$$

pot #63:

symbol a_{12} : $(-inf, 0.0)$

symbol c_1 : $(-0.0, inf)$

symbol c_2 : $(-inf, 0.0)$

symbol a_{11} : $(-0.0, inf)$

symbol a_{22} : $(-0.0, inf)$

symbol b_1 : -0.0

symbol b_2 : -0.0

symbol a_{21} : $(-inf, 0.0)$

$$-c_1 a_{22} + c_2 a_{21} > 0$$

$$a_{11} a_{22} - a_{12} a_{21} > 0$$

$$c_2 a_{11} - c_1 a_{12} > 0$$

$$-a_{11}^3 a_{22}^3 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + a_{12}^3 a_{21}^3 \geq 0$$

$$a_{11}^2 a_{22}^2 - 2.00 \cdot a_{12} a_{11} a_{22} a_{21} + a_{12}^2 a_{21}^2 > 0$$

$$c_2 a_{11}^2 a_{22} - c_1 a_{12} a_{11} a_{22} - a_{12} c_2 a_{11} a_{21} + c_1 a_{12}^2 a_{21} \geq 0$$

$$a_{11}^3 a_{22}^3 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 > 0$$

$$a_{11}^8 a_{22}^8 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 -$$

$$56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + a_{12}^8 a_{21}^8 \geq 0$$

$$a_{11}^8 a_{22}^8 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 -$$

$$56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + a_{12}^8 a_{21}^8 > 0$$

pot #64:

symbol a_{12} : $(-inf, 0.0)$

symbol c_1 : $(-0.0, inf)$

symbol c_2 : $(-inf, 0.0)$

symbol a_{11} : $(-0.0, inf)$

symbol a_{22} : $(-0.0, inf)$

symbol b_1 : -0.0

symbol b_2 : $[-0.0, inf)$

symbol a_{21} : $(-inf, 0.0)$

$$-c_1 a_{22} + c_2 a_{21} > 0$$

$$a_{11} a_{22} - a_{12} a_{21} > 0$$

$$c_2 a_{11} - c_1 a_{12} > 0$$

$$-a_{11}^3 a_{22}^3 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + a_{12}^3 a_{21}^3 \geq 0$$

$$a_{11}^2 a_{22}^2 - 2.00 \cdot a_{12} a_{11} a_{22} a_{21} + a_{12}^2 a_{21}^2 > 0$$

$$c_2 a_{11}^2 a_{22} - c_1 a_{12} a_{11} a_{22} - a_{12} c_2 a_{11} a_{21} + c_1 a_{12}^2 a_{21} \geq 0$$

$$a_{11}^3 a_{22}^3 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 > 0$$

$$-a_{11}^3 a_{22}^3 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + a_{12}^3 a_{21}^3 > 0$$

$$-a_{11}^8 a_{22}^8 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 +$$

$$56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - a_{12}^8 a_{21}^8 \geq 0$$

$$a_{11}^8 a_{22}^8 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 -$$

$$56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + a_{12}^8 a_{21}^8 > 0$$

pot #65:

symbol a_{12} : $(-inf, 0.0)$

symbol c_1 : $(-0.0, inf)$

symbol c_2 : $(-inf, 0.0)$

symbol a_{11} : $(-0.0, inf)$

symbol a_{22} : $(-0.0, inf)$

symbol b_1 : -0.0

symbol b_2 : $[-0.0, inf)$

symbol a_{21} : $(-inf, 0.0)$

$-c_1 a_{22} + c_2 a_{21} > 0$

$a_{11} a_{22} - a_{12} a_{21} > 0$

$c_2 a_{11} - c_1 a_{12} > 0$

$-a_{11}^3 a_{22}^3 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + a_{12}^3 a_{21}^3 \geq 0$

$a_{11}^2 a_{22}^2 - 2.00 \cdot a_{12} a_{11} a_{22} a_{21} + a_{12}^2 a_{21}^2 > 0$

$c_2 a_{11}^2 a_{22} - c_1 a_{12} a_{11} a_{22} - a_{12} c_2 a_{11} a_{21} + c_1 a_{12}^2 a_{21} \geq 0$

$a_{11}^3 a_{22}^3 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 > 0$

$-a_{11}^3 a_{22}^3 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + a_{12}^3 a_{21}^3 > 0$

$a_{11}^8 a_{22}^8 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 -$
 $56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + a_{12}^8 a_{21}^8 \geq 0$

$-a_{11}^8 a_{22}^8 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 +$
 $56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - a_{12}^8 a_{21}^8 > 0$

pot #66:

symbol a_{12} : $(-inf, 0.0)$

symbol c_1 : $(-0.0, inf)$

symbol c_2 : $(-inf, 0.0)$

symbol a_{11} : $(-0.0, inf)$

symbol a_{22} : $(-0.0, inf)$

symbol b_1 : -0.0

symbol b_2 : -0.0

symbol a_{21} : $(-inf, 0.0)$

$-c_1 a_{22} + c_2 a_{21} > 0$

$a_{11} a_{22} - a_{12} a_{21} > 0$

$c_2 a_{11} - c_1 a_{12} > 0$

$-a_{11}^3 a_{22}^3 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + a_{12}^3 a_{21}^3 \geq 0$

$a_{11}^2 a_{22}^2 - 2.00 \cdot a_{12} a_{11} a_{22} a_{21} + a_{12}^2 a_{21}^2 > 0$

$c_2 a_{11}^2 a_{22} - c_1 a_{12} a_{11} a_{22} - a_{12} c_2 a_{11} a_{21} + c_1 a_{12}^2 a_{21} \geq 0$

$a_{11}^3 a_{22}^3 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 > 0$

$-a_{11}^3 a_{22}^3 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + a_{12}^3 a_{21}^3 > 0$

$-a_{11}^8 a_{22}^8 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 +$
 $56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - a_{12}^8 a_{21}^8 \geq 0$

$-a_{11}^8 a_{22}^8 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 +$
 $56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - a_{12}^8 a_{21}^8 > 0$

pot #67:

symbol a_{12} : $(-inf, 0.0)$

symbol c_1 : $(-0.0, inf)$

symbol c_2 : $(-inf, 0.0)$

symbol a_{11} : $(-0.0, inf)$

symbol a_{22} : $(-0.0, inf)$

symbol b_1 : -0.0

symbol b_2 : -0.0

symbol a_{21} : $(-inf, 0.0)$

$-c_1 a_{22} + c_2 a_{21} > 0$

$a_{11} a_{22} - a_{12} a_{21} > 0$

$c_2 a_{11} - c_1 a_{12} > 0$

$-a_{11}^3 a_{22}^3 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + a_{12}^3 a_{21}^3 \geq 0$

$a_{11}^2 a_{22}^2 - 2.00 \cdot a_{12} a_{11} a_{22} a_{21} + a_{12}^2 a_{21}^2 > 0$

$$\begin{aligned}
& c_2 a_{11}^2 a_{22} - c_1 a_{12} a_{11} a_{22} - a_{12} c_2 a_{11} a_{21} + c_1 a_{12}^2 a_{21} \geq 0 \\
& a_{11}^3 a_{22}^3 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 > 0 \\
& -a_{11}^3 a_{22}^3 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + a_{12}^3 a_{21}^3 > 0 \\
& a_{11}^8 a_{22}^8 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 - \\
& 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + a_{12}^8 a_{21}^8 \geq 0 \\
& a_{11}^8 a_{22}^8 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 - \\
& 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + a_{12}^8 a_{21}^8 > 0
\end{aligned}$$

pot #68:

symbol a_{12} : $(-inf, 0.0)$

symbol c_1 : $(-0.0, inf)$

symbol c_2 : $(-inf, 0.0)$

symbol a_{11} : $(-0.0, inf)$

symbol a_{22} : $(-0.0, inf)$

symbol b_1 : -0.0

symbol b_2 : $[-0.0, inf)$

symbol a_{21} : $(-inf, 0.0)$

$$-c_1 a_{22} + c_2 a_{21} > 0$$

$$a_{11} a_{22} - a_{12} a_{21} > 0$$

$$c_2 a_{11} - c_1 a_{12} > 0$$

$$-a_{11}^3 a_{22}^3 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + a_{12}^3 a_{21}^3 \geq 0$$

$$a_{11}^2 a_{22}^2 - 2.00 \cdot a_{12} a_{11} a_{22} a_{21} + a_{12}^2 a_{21}^2 > 0$$

$$c_2 a_{11}^2 a_{22} - c_1 a_{12} a_{11} a_{22} - a_{12} c_2 a_{11} a_{21} + c_1 a_{12}^2 a_{21} \geq 0$$

$$-a_{11}^3 a_{22}^3 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + a_{12}^3 a_{21}^3 > 0$$

$$a_{11}^3 a_{22}^3 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 > 0$$

$$-a_{11}^8 a_{22}^8 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 + \\ 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - a_{12}^8 a_{21}^8 \geq 0$$

$$a_{11}^8 a_{22}^8 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 - \\ 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + a_{12}^8 a_{21}^8 > 0$$

pot #69:

symbol a_{12} : $(-inf, 0.0)$

symbol c_1 : $(-0.0, inf)$

symbol c_2 : $(-inf, 0.0)$

symbol a_{11} : $(-0.0, inf)$

symbol a_{22} : $(-0.0, inf)$

symbol b_1 : -0.0

symbol b_2 : $[-0.0, inf)$

symbol a_{21} : $(-inf, 0.0)$

$$-c_1 a_{22} + c_2 a_{21} > 0$$

$$a_{11} a_{22} - a_{12} a_{21} > 0$$

$$c_2 a_{11} - c_1 a_{12} > 0$$

$$-a_{11}^3 a_{22}^3 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + a_{12}^3 a_{21}^3 \geq 0$$

$$a_{11}^2 a_{22}^2 - 2.00 \cdot a_{12} a_{11} a_{22} a_{21} + a_{12}^2 a_{21}^2 > 0$$

$$c_2 a_{11}^2 a_{22} - c_1 a_{12} a_{11} a_{22} - a_{12} c_2 a_{11} a_{21} + c_1 a_{12}^2 a_{21} \geq 0$$

$$-a_{11}^3 a_{22}^3 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + a_{12}^3 a_{21}^3 > 0$$

$$a_{11}^3 a_{22}^3 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 > 0$$

$$a_{11}^8 a_{22}^8 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 - \\ 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + a_{12}^8 a_{21}^8 \geq 0$$

$$-a_{11}^8 a_{22}^8 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 + \\ 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - a_{12}^8 a_{21}^8 > 0$$

pot #70:

symbol $a_{12} : (-inf, 0.0)$

symbol $c_1 : (-0.0, inf)$

symbol $c_2 : (-inf, 0.0)$

symbol $a_{11} : (-0.0, inf)$

symbol $a_{22} : (-0.0, inf)$

symbol $b_1 : -0.0$

symbol $b_2 : -0.0$

symbol $a_{21} : (-inf, 0.0)$

$-c_1 a_{22} + c_2 a_{21} > 0$

$a_{11} a_{22} - a_{12} a_{21} > 0$

$c_2 a_{11} - c_1 a_{12} > 0$

$-a_{11}^3 a_{22}^3 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + a_{12}^3 a_{21}^3 \geq 0$

$a_{11}^2 a_{22}^2 - 2.00 \cdot a_{12} a_{11} a_{22} a_{21} + a_{12}^2 a_{21}^2 > 0$

$c_2 a_{11}^2 a_{22} - c_1 a_{12} a_{11} a_{22} - a_{12} c_2 a_{11} a_{21} + c_1 a_{12}^2 a_{21} \geq 0$

$-a_{11}^3 a_{22}^3 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + a_{12}^3 a_{21}^3 > 0$

$a_{11}^3 a_{22}^3 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 > 0$

$-a_{11}^8 a_{22}^8 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 +$

$56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - a_{12}^8 a_{21}^8 \geq 0$

$-a_{11}^8 a_{22}^8 + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 + 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 +$

$56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - a_{12}^8 a_{21}^8 > 0$

pot #71:

symbol $a_{12} : (-inf, 0.0)$

symbol $c_1 : (-0.0, inf)$

symbol $c_2 : (-inf, 0.0)$

symbol $a_{11} : (-0.0, inf)$

symbol $a_{22} : (-0.0, inf)$

symbol $b_1 : -0.0$

symbol $b_2 : -0.0$

symbol $a_{21} : (-inf, 0.0)$

$-c_1 a_{22} + c_2 a_{21} > 0$

$a_{11} a_{22} - a_{12} a_{21} > 0$

$c_2 a_{11} - c_1 a_{12} > 0$

$-a_{11}^3 a_{22}^3 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + a_{12}^3 a_{21}^3 \geq 0$

$a_{11}^2 a_{22}^2 - 2.00 \cdot a_{12} a_{11} a_{22} a_{21} + a_{12}^2 a_{21}^2 > 0$

$c_2 a_{11}^2 a_{22} - c_1 a_{12} a_{11} a_{22} - a_{12} c_2 a_{11} a_{21} + c_1 a_{12}^2 a_{21} \geq 0$

$-a_{11}^3 a_{22}^3 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + a_{12}^3 a_{21}^3 > 0$

$a_{11}^3 a_{22}^3 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 > 0$

$a_{11}^8 a_{22}^8 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 -$

$56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + a_{12}^8 a_{21}^8 \geq 0$

$a_{11}^8 a_{22}^8 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 -$

$56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + a_{12}^8 a_{21}^8 > 0$

pot #72:

symbol $a_{12} : (-inf, 0.0)$

symbol $c_1 : (-0.0, inf)$

symbol $c_2 : (-inf, 0.0)$

symbol $a_{11} : (-0.0, inf)$

symbol $a_{22} : (-0.0, inf)$

symbol $b_1 : -0.0$

symbol $b_2 : [-0.0, inf)$

symbol $a_{21} : (-inf, 0.0)$

$$56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 + 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 - a_{12}^8 a_{21}^8 > 0$$

pot #75:

symbol a_{12} : $(-inf, 0.0)$

symbol c_1 : $(-0.0, inf)$

symbol c_2 : $(-inf, 0.0)$

symbol a_{11} : $(-0.0, inf)$

symbol a_{22} : $(-0.0, inf)$

symbol b_1 : -0.0

symbol b_2 : -0.0

symbol a_{21} : $(-inf, 0.0)$

$$-c_1 a_{22} + c_2 a_{21} > 0$$

$$a_{11} a_{22} - a_{12} a_{21} > 0$$

$$c_2 a_{11} - c_1 a_{12} > 0$$

$$-a_{11}^3 a_{22}^3 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + a_{12}^3 a_{21}^3 \geq 0$$

$$a_{11}^2 a_{22}^2 - 2.00 \cdot a_{12} a_{11} a_{22} a_{21} + a_{12}^2 a_{21}^2 > 0$$

$$c_2 a_{11}^2 a_{22} - c_1 a_{12} a_{11} a_{22} - a_{12} c_2 a_{11} a_{21} + c_1 a_{12}^2 a_{21} \geq 0$$

$$-a_{11}^3 a_{22}^3 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + a_{12}^3 a_{21}^3 > 0$$

$$a_{11}^8 a_{22}^8 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 -$$

$$56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + a_{12}^8 a_{21}^8 \geq 0$$

$$a_{11}^8 a_{22}^8 - 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21} + 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^2 - 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^3 + 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^4 -$$

$$56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^5 + 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^6 - 8.00 \cdot a_{12}^7 a_{11} a_{22} a_{21}^7 + a_{12}^8 a_{21}^8 > 0$$

pot #76:

symbol a_{12} : $(-inf, 0.0)$

symbol c_1 : $(-0.0, inf)$

symbol c_2 : $(-inf, 0.0)$

symbol a_{11} : $(-0.0, inf)$

symbol a_{22} : $(-0.0, inf)$

symbol b_1 : -0.0

symbol b_2 : $[-0.0, inf)$

symbol a_{21} : $(-inf, 0.0)$

$$-c_1 a_{22} + c_2 a_{21} > 0$$

$$a_{11} a_{22} - a_{12} a_{21} > 0$$

$$c_2 a_{11} - c_1 a_{12} > 0$$

$$-a_{11}^3 a_{22}^3 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + a_{12}^3 a_{21}^3 \geq 0$$

$$a_{11}^2 a_{22}^2 - 2.00 \cdot a_{12} a_{11} a_{22} a_{21} + a_{12}^2 a_{21}^2 > 0$$

$$c_2 a_{11}^2 a_{22} - c_1 a_{12} a_{11} a_{22} - a_{12} c_2 a_{11} a_{21} + c_1 a_{12}^2 a_{21} \geq 0$$

$$a_{11}^3 a_{22}^3 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 > 0$$

pot #77:

symbol a_{12} : $(-inf, 0.0)$

symbol c_1 : $(-0.0, inf)$

symbol c_2 : $(-inf, 0.0)$

symbol a_{11} : $(-0.0, inf)$

symbol a_{22} : $(-0.0, inf)$

symbol b_1 : -0.0

symbol b_2 : $[-0.0, inf)$

symbol a_{21} : $(-inf, 0.0)$

$$-c_1 a_{22} + c_2 a_{21} > 0$$

$$a_{11} a_{22} - a_{12} a_{21} > 0$$

$$c_2 a_{11} - c_1 a_{12} > 0$$

$$-a_{11}^3 a_{22}^3 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + a_{12}^3 a_{21}^3 \geq 0$$

$$\begin{aligned}
& a_{11}^2 a_{22}^2 - 2.00 \cdot a_{12} a_{11} a_{22} a_{21} + a_{12}^2 a_{21}^2 > 0 \\
& c_2 a_{11}^2 a_{22} - c_1 a_{12} a_{11} a_{22} - a_{12} c_2 a_{11} a_{21} + c_1 a_{12}^2 a_{21} \geq 0 \\
& a_{11}^3 a_{22}^3 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 > 0 \\
& a_{11}^3 a_{22}^3 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 \geq 0 \\
& -a_{11}^3 a_{22}^3 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + a_{12}^3 a_{21}^3 > 0
\end{aligned}$$

pot #78:

symbol a_{12} : $(-inf, 0.0)$

symbol c_1 : $(-0.0, inf)$

symbol c_2 : $(-inf, 0.0)$

symbol a_{11} : $(-0.0, inf)$

symbol a_{22} : $(-0.0, inf)$

symbol b_1 : -0.0

symbol b_2 : $[-0.0, inf)$

symbol a_{21} : $(-inf, 0.0)$

$$-c_1 a_{22} + c_2 a_{21} > 0$$

$$a_{11} a_{22} - a_{12} a_{21} > 0$$

$$c_2 a_{11} - c_1 a_{12} > 0$$

$$-a_{11}^3 a_{22}^3 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + a_{12}^3 a_{21}^3 \geq 0$$

$$a_{11}^2 a_{22}^2 - 2.00 \cdot a_{12} a_{11} a_{22} a_{21} + a_{12}^2 a_{21}^2 > 0$$

$$c_2 a_{11}^2 a_{22} - c_1 a_{12} a_{11} a_{22} - a_{12} c_2 a_{11} a_{21} + c_1 a_{12}^2 a_{21} \geq 0$$

$$-a_{11}^3 a_{22}^3 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + a_{12}^3 a_{21}^3 > 0$$

$$a_{11}^3 a_{22}^3 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 > 0$$

pot #79:

symbol a_{12} : $(-inf, 0.0)$

symbol c_1 : $(-0.0, inf)$

symbol c_2 : $(-inf, 0.0)$

symbol a_{11} : $(-0.0, inf)$

symbol a_{22} : $(-0.0, inf)$

symbol b_1 : -0.0

symbol b_2 : $[-0.0, inf)$

symbol a_{21} : $(-inf, 0.0)$

$$-c_1 a_{22} + c_2 a_{21} > 0$$

$$a_{11} a_{22} - a_{12} a_{21} > 0$$

$$c_2 a_{11} - c_1 a_{12} > 0$$

$$-a_{11}^3 a_{22}^3 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + a_{12}^3 a_{21}^3 \geq 0$$

$$a_{11}^2 a_{22}^2 - 2.00 \cdot a_{12} a_{11} a_{22} a_{21} + a_{12}^2 a_{21}^2 > 0$$

$$c_2 a_{11}^2 a_{22} - c_1 a_{12} a_{11} a_{22} - a_{12} c_2 a_{11} a_{21} + c_1 a_{12}^2 a_{21} \geq 0$$

$$-a_{11}^3 a_{22}^3 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + a_{12}^3 a_{21}^3 > 0$$

$$a_{11}^3 a_{22}^3 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 \geq 0$$

x_0	$\frac{-b_2 a_{11}^8 a_{22}^8 + 8.00 \cdot a_{12} b_2 a_{11}^7 a_{22}^7 a_{21} - 28.00 \cdot a_{12}^2 b_2 a_{11}^6 a_{22}^6 a_{21}^2 + 56.00 \cdot a_{12}^3 b_2 a_{11}^5 a_{22}^5 a_{21}^3 - 70.00 \cdot a_{12}^4 b_2 a_{11}^4 a_{22}^4 a_{21}^4 + 56.00 \cdot a_{12}^5 b_2 a_{11}^3 a_{22}^3 a_{21}^5 - 28.00 \cdot a_{12}^6 b_2 a_{11}^2 a_{22}^2 a_{21}^6 + 8.00 \cdot a_{12}^7 b_2 a_{11} a_{22} a_{21}^7 - b_1 a_{11}^8 a_{22}^8 a_{21} + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21}^2 - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^3 + 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^4 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^5 + 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^6 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^7 + b_2 a_{11}^3 a_{22}^3 a_{21}^2 - 2.00 \cdot a_{12} b_2 a_{11}^2 a_{22}^2 a_{21} + a_{12}^2 b_2 a_{11} a_{22} a_{21}^2 - b_1 a_{11}^3 a_{22}^3 a_{21} + 2.00 \cdot b_1 a_{12} a_{11} a_{22} a_{21}^2 - b_1 a_{11}^2 a_{22}^2 a_{21} + 2.00 \cdot a_{12} a_{11} a_{22} a_{21}^2 - a_{12}^2 a_{21}^3}{-a_{11}^2 a_{22}^2 a_{21} + 2.00 \cdot a_{12} a_{11} a_{22} a_{21}^2 - a_{12}^2 a_{21}^3}$
x_2	$\frac{c_1 b_2 a_{11}^8 a_{22}^8 - 8.00 \cdot a_{12} c_1 a_{11}^7 a_{22}^7 b_2 a_{21} + 28.00 \cdot a_{12}^2 c_1 a_{11}^6 a_{22}^6 b_2 a_{21}^2 - 56.00 \cdot a_{12}^3 c_1 a_{11}^5 a_{22}^5 b_2 a_{21}^3 + 70.00 \cdot a_{12}^4 c_1 a_{11}^4 a_{22}^4 b_2 a_{21}^4 - 56.00 \cdot a_{12}^5 c_1 a_{11}^3 a_{22}^3 b_2 a_{21}^5 + 28.00 \cdot a_{12}^6 c_1 a_{11}^2 a_{22}^2 b_2 a_{21}^6 - 8.00 \cdot a_{12}^7 c_1 a_{11} a_{22} b_2 a_{21}^7 - a_{11}^8 a_{22}^8 a_{21} + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21}^2 - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^3 + 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^4 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^5 + 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^6 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^7 + b_2 a_{11}^3 a_{22}^3 a_{21}^2 - 2.00 \cdot a_{12} b_2 a_{11}^2 a_{22}^2 a_{21} + a_{12}^2 b_2 a_{11} a_{22} a_{21}^2 - b_1 a_{11}^3 a_{22}^3 a_{21} + 2.00 \cdot b_1 a_{12} a_{11} a_{22} a_{21}^2 - b_1 a_{11}^2 a_{22}^2 a_{21} + 2.00 \cdot a_{12} a_{11} a_{22} a_{21}^2 - a_{12}^2 a_{21}^3}{-a_{11}^2 a_{22}^2 a_{21} + 2.00 \cdot a_{12} a_{11} a_{22} a_{21}^2 - a_{12}^2 a_{21}^3}$
Ψ	$\frac{c_1 b_2 a_{11}^8 a_{22}^8 - 8.00 \cdot a_{12} c_1 a_{11}^7 a_{22}^7 b_2 a_{21} + 28.00 \cdot a_{12}^2 c_1 a_{11}^6 a_{22}^6 b_2 a_{21}^2 - 56.00 \cdot a_{12}^3 c_1 a_{11}^5 a_{22}^5 b_2 a_{21}^3 + 70.00 \cdot a_{12}^4 c_1 a_{11}^4 a_{22}^4 b_2 a_{21}^4 - 56.00 \cdot a_{12}^5 c_1 a_{11}^3 a_{22}^3 b_2 a_{21}^5 + 28.00 \cdot a_{12}^6 c_1 a_{11}^2 a_{22}^2 b_2 a_{21}^6 - 8.00 \cdot a_{12}^7 c_1 a_{11} a_{22} b_2 a_{21}^7 - a_{11}^8 a_{22}^8 a_{21} + 8.00 \cdot a_{12} a_{11}^7 a_{22}^7 a_{21}^2 - 28.00 \cdot a_{12}^2 a_{11}^6 a_{22}^6 a_{21}^3 + 56.00 \cdot a_{12}^3 a_{11}^5 a_{22}^5 a_{21}^4 - 70.00 \cdot a_{12}^4 a_{11}^4 a_{22}^4 a_{21}^5 + 56.00 \cdot a_{12}^5 a_{11}^3 a_{22}^3 a_{21}^6 - 28.00 \cdot a_{12}^6 a_{11}^2 a_{22}^2 a_{21}^7 + b_2 a_{11}^3 a_{22}^3 a_{21}^2 - 2.00 \cdot a_{12} b_2 a_{11}^2 a_{22}^2 a_{21} + a_{12}^2 b_2 a_{11} a_{22} a_{21}^2 - b_1 a_{11}^3 a_{22}^3 a_{21} + 2.00 \cdot b_1 a_{12} a_{11} a_{22} a_{21}^2 - b_1 a_{11}^2 a_{22}^2 a_{21} + 2.00 \cdot a_{12} a_{11} a_{22} a_{21}^2 - a_{12}^2 a_{21}^3}{-a_{11}^2 a_{22}^2 a_{21} + 2.00 \cdot a_{12} a_{11} a_{22} a_{21}^2 - a_{12}^2 a_{21}^3}$

Table #1.0.1.-1

pots:

pot #0:

symbol $a_{12} : (-inf, 0.0)$

symbol $c_1 : [-0.0, inf)$

symbol $c_2 : (-inf, 0.0)$

symbol $a_{11} : (-0.0, inf)$

symbol $a_{22} : (-0.0, inf)$

symbol $b_1 : [-0.0, inf)$

symbol $b_2 : [-0.0, inf)$

symbol $a_{21} : (-inf, 0.0]$

$$-c_1 a_{22} + c_2 a_{21} > 0$$

$$a_{11} a_{22} - a_{12} a_{21} > 0$$

$$c_2 a_{11} - c_1 a_{12} > 0$$

$$a_{11}^3 a_{22}^3 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 \geq 0$$

$$a_{11}^2 a_{22}^2 - 2.00 \cdot a_{12} a_{11} a_{22} a_{21} + a_{12}^2 a_{21}^2 > 0$$

$$c_2 a_{11}^2 a_{22} - c_1 a_{12} a_{11} a_{22} - a_{12} c_2 a_{11} a_{21} + c_1 a_{12}^2 a_{21} \geq 0$$

$$-a_{11}^3 a_{22}^3 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + a_{12}^3 a_{21}^3 \geq 0$$

$$a_{11}^3 a_{22}^3 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 > 0$$

pot #1:

symbol $a_{12} : (-inf, 0.0)$

symbol $c_1 : [-0.0, inf)$

symbol $c_2 : (-inf, 0.0)$

symbol $a_{11} : (-0.0, inf)$

symbol $a_{22} : (-0.0, inf)$

symbol $b_1 : [-0.0, inf)$

symbol $b_2 : [-0.0, inf)$

symbol $a_{21} : (-inf, 0.0]$

$$-c_1 a_{22} + c_2 a_{21} > 0$$

$$a_{11} a_{22} - a_{12} a_{21} > 0$$

$$c_2 a_{11} - c_1 a_{12} > 0$$

$$a_{11}^3 a_{22}^3 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 \geq 0$$

$$a_{11}^2 a_{22}^2 - 2.00 \cdot a_{12} a_{11} a_{22} a_{21} + a_{12}^2 a_{21}^2 > 0$$

$$c_2 a_{11}^2 a_{22} - c_1 a_{12} a_{11} a_{22} - a_{12} c_2 a_{11} a_{21} + c_1 a_{12}^2 a_{21} \geq 0$$

$$-a_{11}^3 a_{22}^3 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + a_{12}^3 a_{21}^3 > 0$$

pot #2:

symbol $a_{12} : (-inf, 0.0)$

symbol $c_1 : [-0.0, inf)$

symbol $c_2 : (-inf, 0.0)$

symbol $a_{11} : (-0.0, inf)$

symbol $a_{22} : (-0.0, inf)$

symbol $b_1 : [-0.0, inf)$

symbol $b_2 : [-0.0, inf)$

symbol $a_{21} : (-inf, 0.0]$

$$-c_1 a_{22} + c_2 a_{21} > 0$$

$$a_{11} a_{22} - a_{12} a_{21} > 0$$

$$c_2 a_{11} - c_1 a_{12} > 0$$

$$-a_{11}^3 a_{22}^3 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + a_{12}^3 a_{21}^3 \geq 0$$

$$-a_{11}^2 a_{22}^2 + 2.00 \cdot a_{12} a_{11} a_{22} a_{21} - a_{12}^2 a_{21}^2 > 0$$

$$c_2 a_{11}^2 a_{22} - c_1 a_{12} a_{11} a_{22} - a_{12} c_2 a_{11} a_{21} + c_1 a_{12}^2 a_{21} \geq 0$$

$$a_{11}^3 a_{22}^3 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 > 0$$

pot #3:

symbol $a_{12} : (-inf, 0.0)$

symbol $c_1 : [-0.0, inf)$

symbol $c_2 : (-inf, 0.0)$

symbol $a_{11} : (-0.0, inf)$

symbol $a_{22} : (-0.0, inf)$

symbol $b_1 : [-0.0, inf)$

symbol $b_2 : [-0.0, inf)$

symbol $a_{21} : (-inf, 0.0]$

$$-c_1 a_{22} + c_2 a_{21} > 0$$

$$a_{11} a_{22} - a_{12} a_{21} > 0$$

$$c_2 a_{11} - c_1 a_{12} > 0$$

$$-a_{11}^3 a_{22}^3 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + a_{12}^3 a_{21}^3 \geq 0$$

$$-a_{11}^2 a_{22}^2 + 2.00 \cdot a_{12} a_{11} a_{22} a_{21} - a_{12}^2 a_{21}^2 > 0$$

$$c_2 a_{11}^2 a_{22} - c_1 a_{12} a_{11} a_{22} - a_{12} c_2 a_{11} a_{21} + c_1 a_{12}^2 a_{21} \geq 0$$

$$a_{11}^3 a_{22}^3 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 \geq 0$$

$$-a_{11}^3 a_{22}^3 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + a_{12}^3 a_{21}^3 > 0$$

pot #4:

symbol $a_{12} : (-inf, 0.0)$

symbol $c_1 : [-0.0, inf)$

symbol $c_2 : (-inf, 0.0)$

symbol $a_{11} : (-0.0, inf)$

symbol $a_{22} : (-0.0, inf)$

symbol $b_1 : -0.0$

symbol $b_2 : [-0.0, inf)$

symbol $a_{21} : (-inf, 0.0]$

$$-c_1 a_{22} + c_2 a_{21} > 0$$

$$a_{11} a_{22} - a_{12} a_{21} > 0$$

$$c_2 a_{11} - c_1 a_{12} > 0$$

$$a_{11}^3 a_{22}^3 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 \geq 0$$

$$-a_{11}^2 a_{22}^2 + 2.00 \cdot a_{12} a_{11} a_{22} a_{21} - a_{12}^2 a_{21}^2 > 0$$

$$c_2 a_{11}^2 a_{22} - c_1 a_{12} a_{11} a_{22} - a_{12} c_2 a_{11} a_{21} + c_1 a_{12}^2 a_{21} \geq 0$$

$$-a_{11}^3 a_{22}^3 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + a_{12}^3 a_{21}^3 \geq 0$$

$$a_{11}^3 a_{22}^3 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 > 0$$

pot #5:

symbol $a_{12} : (-inf, 0.0)$

symbol $c_1 : [-0.0, inf)$

symbol $c_2 : (-inf, 0.0)$

symbol $a_{11} : (-0.0, inf)$

symbol $a_{22} : (-0.0, inf)$

symbol $b_1 : -0.0$

symbol $b_2 : [-0.0, inf)$

symbol $a_{21} : (-inf, 0.0]$

$$-c_1 a_{22} + c_2 a_{21} > 0$$

$$a_{11} a_{22} - a_{12} a_{21} > 0$$

$$c_2 a_{11} - c_1 a_{12} > 0$$

$$a_{11}^3 a_{22}^3 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 \geq 0$$

$$-a_{11}^2 a_{22}^2 + 2.00 \cdot a_{12} a_{11} a_{22} a_{21} - a_{12}^2 a_{21}^2 > 0$$

$$c_2 a_{11}^2 a_{22} - c_1 a_{12} a_{11} a_{22} - a_{12} c_2 a_{11} a_{21} + c_1 a_{12}^2 a_{21} \geq 0$$

$$-a_{11}^3 a_{22}^3 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + a_{12}^3 a_{21}^3 > 0$$

pot #6:

symbol $a_{12} : (-inf, 0.0)$

symbol $c_1 : [-0.0, inf)$

symbol $c_2 : (-inf, 0.0)$

symbol $a_{11} : (-0.0, inf)$

symbol $a_{22} : (-0.0, inf)$

symbol $b_1 : -0.0$

symbol $b_2 : [-0.0, inf)$

symbol $a_{21} : (-inf, 0.0]$

$$-c_1 a_{22} + c_2 a_{21} > 0$$

$$a_{11} a_{22} - a_{12} a_{21} > 0$$

$$c_2 a_{11} - c_1 a_{12} > 0$$

$$-a_{11}^3 a_{22}^3 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + a_{12}^3 a_{21}^3 \geq 0$$

$$a_{11}^2 a_{22}^2 - 2.00 \cdot a_{12} a_{11} a_{22} a_{21} + a_{12}^2 a_{21}^2 > 0$$

$$c_2 a_{11}^2 a_{22} - c_1 a_{12} a_{11} a_{22} - a_{12} c_2 a_{11} a_{21} + c_1 a_{12}^2 a_{21} \geq 0$$

$$a_{11}^3 a_{22}^3 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 > 0$$

pot #7:

symbol $a_{12} : (-inf, 0.0)$

symbol $c_1 : [-0.0, inf)$

symbol $c_2 : (-inf, 0.0)$

symbol $a_{11} : (-0.0, inf)$

symbol $a_{22} : (-0.0, inf)$

symbol $b_1 : -0.0$

symbol $b_2 : [-0.0, inf)$

symbol $a_{21} : (-inf, 0.0]$

$$-c_1 a_{22} + c_2 a_{21} > 0$$

$$a_{11} a_{22} - a_{12} a_{21} > 0$$

$$c_2 a_{11} - c_1 a_{12} > 0$$

$$-a_{11}^3 a_{22}^3 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + a_{12}^3 a_{21}^3 \geq 0$$

$$a_{11}^2 a_{22}^2 - 2.00 \cdot a_{12} a_{11} a_{22} a_{21} + a_{12}^2 a_{21}^2 > 0$$

$$c_2 a_{11}^2 a_{22} - c_1 a_{12} a_{11} a_{22} - a_{12} c_2 a_{11} a_{21} + c_1 a_{12}^2 a_{21} \geq 0$$

$$a_{11}^3 a_{22}^3 - 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 a_{21}^3 \geq 0$$

$$-a_{11}^3 a_{22}^3 + 3.00 \cdot a_{12} a_{11}^2 a_{22}^2 a_{21} - 3.00 \cdot a_{12}^2 a_{11} a_{22} a_{21}^2 + a_{12}^3 a_{21}^3 > 0$$

		x_0	x_1	
x_0	$\frac{b_1 a_{11}^3 a_{22}^3 - 3.00 \cdot b_1 a_{12} a_{11}^2 a_{22}^2 a_{21} + 3.00 \cdot b_1 a_{12}^2 a_{11} a_{22} a_{21}^2 - a_{12}^3 b_1 a_{21}^3}{a_{11}^4 a_{22}^3 - 3.00 \cdot a_{12} a_{11}^3 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11}^2 a_{22} a_{21}^2 - a_{12}^3 a_{11} a_{21}^3}$	1.00	$\frac{a_{12} a_{11} a_{22} - a_{12}^2 a_{21}}{a_{11}^2 a_{22} - a_{12} a_{11} a_{21}}$	
x_3	$\frac{b_2 a_{11}^2 a_{22} - a_{12} b_2 a_{11} a_{21} - b_1 a_{11} a_{22} a_{21} + b_1 a_{12} a_{21}^2}{a_{11}^2 a_{22} - a_{12} a_{11} a_{21}}$	0.0	$\frac{a_{11} a_{22} - a_{12} a_{21}}{a_{11}}$	
Ψ	$\frac{-c_1 b_1 a_{11}^3 a_{22}^3 + 3.00 \cdot a_{12} c_1 a_{11}^2 a_{22}^2 b_1 a_{21} - 3.00 \cdot a_{12}^2 c_1 a_{11} a_{22} b_1 a_{21}^2 + c_1 a_{12}^3 b_1 a_{21}^3}{a_{11}^4 a_{22}^3 - 3.00 \cdot a_{12} a_{11}^3 a_{22}^2 a_{21} + 3.00 \cdot a_{12}^2 a_{11}^2 a_{22} a_{21}^2 - a_{12}^3 a_{11} a_{21}^3}$	0.0	$\frac{c_2 a_{11}^2 a_{22} - c_1 a_{12} a_{11} a_{22} - a_{12} c_2 a_{11} a_{21} + c_1 a_{12}^2 a_{21}}{a_{11}^2 a_{22} - a_{12} a_{11} a_{21}}$	

Table #1.0.-1

pots:

pot #0:

symbol $a_{12} : (-0.0, inf)$ symbol $c_1 : [-0.0, inf)$ symbol $c_2 : (-inf, 0.0)$ symbol $a_{22} : (-0.0, inf)$ symbol $b_1 : [-0.0, inf)$ symbol $b_2 : [-0.0, inf)$ symbol $a_{21} : (-inf, 0.0]$ $b_1 a_{22} - a_{12} b_2 \geq 0$ $-c_1 a_{22} + c_2 a_{21} > 0$ $a_{11} a_{22} - a_{12} a_{21} > 0$ $-c_2 a_{11} + c_1 a_{12} \geq 0$

pot #1:

symbol $a_{12} : (-inf, 0.0]$ symbol $c_1 : [-0.0, inf)$ symbol $c_2 : (-inf, 0.0)$ symbol $a_{22} : (-0.0, inf)$ symbol $b_1 : [-0.0, inf)$ symbol $b_2 : [-0.0, inf)$ symbol $a_{21} : (-inf, 0.0]$ $-c_1 a_{22} + c_2 a_{21} > 0$ $a_{11} a_{22} - a_{12} a_{21} > 0$ $-c_2 a_{11} + c_1 a_{12} \geq 0$

		x_0	x_1	x_2	x_3
x_0	$\frac{b_1 a_{22} - a_{12} b_2}{a_{11} a_{22} - a_{12} a_{21}}$	1.00	0.0	$\frac{a_{22}}{a_{11} a_{22} - a_{12} a_{21}}$	$\frac{-a_{12}}{a_{11} a_{22} - a_{12} a_{21}}$
x_1	$\frac{b_2 a_{11} - b_1 a_{21}}{a_{11} a_{22} - a_{12} a_{21}}$	0.0	1.00	$\frac{-a_{21}}{a_{11} a_{22} - a_{12} a_{21}}$	$\frac{a_{11}}{a_{11} a_{22} - a_{12} a_{21}}$
Ψ	$\frac{-b_2 c_2 a_{11} - c_1 b_1 a_{22} + b_1 c_2 a_{21} + c_1 a_{12} b_2}{a_{11} a_{22} - a_{12} a_{21}}$	0.0	0.0	$\frac{-c_1 a_{22} + c_2 a_{21}}{a_{11} a_{22} - a_{12} a_{21}}$	$\frac{-c_2 a_{11} + c_1 a_{12}}{a_{11} a_{22} - a_{12} a_{21}}$

Solution:

$$x_0 = \frac{b_1 a_{22} - a_{12} b_2}{a_{11} a_{22} - a_{12} a_{21}}$$

$$x_1 = \frac{b_2 a_{11} - b_1 a_{21}}{a_{11} a_{22} - a_{12} a_{21}}$$

$$x_2 = 0.0$$

$$x_3 = 0.0$$

$$\Psi = \frac{-b_2 c_2 a_{11} - c_1 b_1 a_{22} + b_1 c_2 a_{21} + c_1 a_{12} b_2}{a_{11} a_{22} - a_{12} a_{21}}$$

Table #1.-1

pots:

pot #0:

symbol $a_{12} : (-0.0, inf)$

symbol $c_1 : [-0.0, inf)$

symbol $c_2 : (-inf, 0.0)$

symbol $a_{22} : (-0.0, inf)$

symbol $b_1 : [-0.0, inf)$

symbol $b_2 : [-0.0, inf)$

$b_1 a_{22} - a_{12} b_2 \geq 0$

$c_1 a_{22} - c_2 a_{21} \geq 0$

pot #1:

symbol $a_{12} : (-inf, 0.0]$

symbol $c_1 : [-0.0, inf)$

symbol $c_2 : (-inf, 0.0)$

symbol $a_{22} : (-0.0, inf)$

symbol $b_1 : [-0.0, inf)$

symbol $b_2 : [-0.0, inf)$

$c_1 a_{22} - c_2 a_{21} \geq 0$

		x_0	x_1	x_2	x_3
x_2	$\frac{b_1 a_{22} - a_{12} b_2}{a_{22}}$	$\frac{a_{11} a_{22} - a_{12} a_{21}}{a_{22}}$	0.0	1.00	$\frac{-a_{12}}{a_{22}}$
x_1	$\frac{b_2}{a_{22}}$	$\frac{a_{21}}{a_{22}}$	1.00	0.0	$\frac{1.00}{a_{22}}$
Ψ	$\frac{-b_2 c_2}{a_{22}}$	$\frac{c_1 a_{22} - c_2 a_{21}}{a_{22}}$	0.0	0.0	$\frac{-c_2}{a_{22}}$

Solution:

$$x_0 = 0.0$$

$$x_1 = \frac{b_2}{a_{22}}$$

$$x_2 = \frac{b_1 a_{22} - a_{12} b_2}{a_{22}}$$

$$x_3 = 0.0$$

$$\Psi = \frac{-b_2 c_2}{a_{22}}$$

Table #-1

pots:

pot #0:

symbol c_1 : $[-0.0, inf)$

symbol b_1 : $[-0.0, inf)$

symbol b_2 : $[-0.0, inf)$

symbol c_2 : $[-0.0, inf)$

		x_0	x_1	x_2	x_3
x_2	b_1	a_{11}	a_{12}	1.00	0.0
x_3	b_2	a_{21}	a_{22}	0.0	1.00
Ψ	0.0	c_1	c_2	0.0	0.0

Solution:

$$x_0 = 0.0$$

$$x_1 = 0.0$$

$$x_2 = b_1$$

$$x_3 = b_2$$

$$\Psi = 0.0$$