

the 0 th Minimal Constraint set is:

$$[x^{2_4}] + x^{3_7} + k_{2_2} = 0$$

$$[x^{3_6}] + x^{4_3} + k_{3_3} = 0$$

$$x^{3_7} + [y^{3_6}] + x^{4_8} + k_{4_4} = 0$$

$$x^{4_2} + x^{5_1} + k_{4_1} = 0$$

$$x^{4_3} + y^{4_2} + [x^{5_4}] + k_{5_2} = 0$$

$$x^{4_8} + x^{5_{13}} + k_{4_4} = 0$$

$$x^{5_0} + x^{6_5} + k_{5_0} = 0$$

$$x^{5_1} + y^{5_0} + x^{6_0} + k_{6_0} = 0$$

$$[x^{5_4}] + x^{6_7} + k_{5_2} = 0$$

$$x^{5_{12}} + x^{6_{15}} + k_{5_6} = 0$$

$$x^{5_{13}} + y^{5_{12}} + x^{6_{10}} + k_{6_5} = 0$$

$$x^{6_0} + x^{7_5} + k_{6_0} = 0$$

$$x^{6_4} + x^{7_7} + k_{6_2} = 0$$

$$x^{6_5} + y^{6_4} + x^{7_{12}} + k_{7_6} = 0$$

$$x^{6_7} + [y^{6_6}] + x^{7_8} + k_{7_4} = 0$$

$$x^{6_{10}} + x^{7_9} + k_{6_5} = 0$$

$$[x^{6_{12}}] + x^{7_{15}} + k_{6_6} = 0$$

$$[x^{6_{14}}] + x^{7_{11}} + k_{6_7} = 0$$

$$x^{6_{15}} + [y^{6_{14}}] + [x^{7_{14}}] + k_{7_7} = 0$$

$$[x^{7_2}] + x^{8_1} + k_{7_1} = 0$$

$$x^{7_4} + x^{8_7} + k_{7_2} = 0$$

$$x^{7_5} + y^{7_4} + x^{8_{12}} + k_{8_6} = 0$$

$$x^{7_6} + x^{8_3} + k_{7_3} = 0$$

$$x^{7_7} + y^{7_6} + x^{8_8} + k_{8_4} = 0$$

$$x^{7_9} + y^{7_8} + x^{8_6} + k_{8_3} = 0$$

$$[x^{7_{10}}] + x^{8_9} + k_{7_5} = 0$$

$$x^{7_{11}} + [y^{7_{10}}] + x^{8_2} + k_{8_1} = 0$$

$$x^{7_{12}} + x^{8_{15}} + k_{7_6} = 0$$

$$x^{7_{15}} + [y^{7_{14}}] + x^{8_{14}} + k_{8_7} = 0$$

$$x^{8_0} + x^{9_5} + k_{8_0} = 0$$

$$x^{8_1} + y^{8_0} + [x^{9_0}] + k_{9_0} = 0$$

$$x^{8_3} + y^{8_2} + x^{9_4} + k_{9_2} = 0$$

$$x^{8_7} + y^{8_6} + x^{9_8} + k_{9_4} = 0$$

$$x^{8_9} + y^{8_8} + [x^{9_6}] + k_{9_3} = 0$$

$$x^{8_{12}} + x^{9_{15}} + k_{8_6} = 0$$

$$x^{8_{15}} + y^{8_{14}} + x^{9_{14}} + k_{9_7} = 0$$

$$x^{9_5} + y^{9_4} + x^{10_{12}} + k_{10_6} = 0$$

$$x^{9_8} + x^{10_{13}} + k_{9_4} = 0$$

$$x^{9_{15}} + y^{9_{14}} + x^{10_{14}} + k_{10_7} = 0$$

$$x^{10_{13}} + y^{10_{12}} + x^{11_{10}} + k_{11_5} = 0$$

$$x^{10_{14}} + x^{11_{11}} + k_{10_7} = 0$$

$$[x^{11_6}] + x^{12_3} + k_{11_3} = 0$$

$$x^{11_{11}} + y^{11_{10}} + x^{12_2} + k_{12_1} = 0$$

$$x^{12}_3 + y^{12}_2 + [x^{13}_4] + k_{13_2} = 0$$

$$S(x^{4}_2) + y^{4}_2 = 0$$

$$S(x^{5}_0) + y^{5}_0 = 0$$

$$S(x^{5}_{12}) + y^{5}_{12} = 0$$

$$S(x^{6}_4) + y^{6}_4 = 0$$

$$S(x^{7}_4) + y^{7}_4 = 0$$

$$S(x^{7}_6) + y^{7}_6 = 0$$

$$S(x^{7}_8) + y^{7}_8 = 0$$

$$S(x^{8}_0) + y^{8}_0 = 0$$

$$S(x^{8}_2) + y^{8}_2 = 0$$

$$S(x^{8}_6) + y^{8}_6 = 0$$

$$S(x^{8}_8) + y^{8}_8 = 0$$

$$S(x^{8}_{14}) + y^{8}_{14} = 0$$

$$S(x^{9}_4) + y^{9}_4 = 0$$

$$S(x^{9}_{14}) + y^{9}_{14} = 0$$

$$S(x^{10}_{12}) + y^{10}_{12} = 0$$

$$S(x^{11}_{10}) + y^{11}_{10} = 0$$

$$S(x^{12}_2) + y^{12}_2 = 0$$

the 1 th Minimal Constraint set is:

$$[x^{6}_{12}] + x^{7}_{15} + k_{6_6} = 0$$

$$x^{7}_{15} + [y^{7}_{14}] + x^{8}_{14} + k_{8_7} = 0$$

$$x^{8}_{14} + x^{9}_{11} + k_{8_7} = 0$$

$$[x^{9}_2] + x^{10}_1 + k_{9_1} = 0$$

$$x^{9}_{10} + x^{10}_9 + k_{9_5} = 0$$

$$x^{9}_{11} + y^{9}_{10} + x^{10}_2 + k_{10_1} = 0$$

$$x^{10}_1 + [y^{10}_0] + x^{11}_0 + k_{11_0} = 0$$

$$x^{10}_2 + x^{11}_1 + k_{10_1} = 0$$

$$x^{10}_9 + [y^{10}_8] + [x^{11}_6] + k_{11_3} = 0$$

$$x^{11}_1 + y^{11}_0 + x^{12}_0 + k_{12_0} = 0$$

$$x^{12}_0 + x^{13}_5 + k_{12_0} = 0$$

$$x^{13}_5 + [y^{13}_4] + [x^{14}_{12}] + k_{14_6} = 0$$

$$S(x^{9}_{10}) + y^{9}_{10} = 0$$

$$S(x^{11}_0) + y^{11}_0 = 0$$

the 2 th Minimal Constraint set is:

$$[x^{2}_4] + x^{3}_7 + k_{2_2} = 0$$

$$[x^{3}_4] + x^{4}_7 + k_{3_2} = 0$$

$$x^{3}_7 + [y^{3}_6] + x^{4}_8 + k_{4_4} = 0$$

$$x^{4}_6 + x^{5}_3 + k_{4_3} = 0$$

$$x^{4}_7 + y^{4}_6 + [x^{5}_8] + k_{5_4} = 0$$

$$x^{4}_8 + x^{5}_{13} + k_{4_4} = 0$$

$$x^{5}_2 + x^{6}_1 + k_{5_1} = 0$$

$$x^{5}_3 + y^{5}_2 + x^{6}_4 + k_{6_2} = 0$$

$$x^{5}_{12} + x^{6}_{15} + k_{5_6} = 0$$

$$x^{5}_{13} + y^{5}_{12} + x^{6}_{10} + k_{6_5} = 0$$

$$\begin{aligned}
&x^6_0 + x^7_5 + k_6_0 = 0 \\
&x^6_1 + y^6_0 + x^7_0 + k_7_0 = 0 \\
&x^6_4 + x^7_7 + k_6_2 = 0 \\
&[x^6_6] + x^7_3 + k_6_3 = 0 \\
&x^6_{10} + x^7_9 + k_6_5 = 0 \\
&[x^6_{14}] + x^7_{11} + k_6_7 = 0 \\
&x^6_{15} + [y^6_{14}] + [x^7_{14}] + k_7_7 = 0 \\
&x^7_0 + x^8_5 + k_7_0 = 0 \\
&x^7_3 + [y^7_2] + x^8_4 + k_8_2 = 0 \\
&x^7_4 + x^8_7 + k_7_2 = 0 \\
&x^7_5 + y^7_4 + x^8_{12} + k_8_6 = 0 \\
&x^7_6 + x^8_3 + k_7_3 = 0 \\
&x^7_7 + y^7_6 + x^8_8 + k_8_4 = 0 \\
&x^7_8 + x^8_{13} + k_7_4 = 0 \\
&x^7_9 + y^7_8 + x^8_6 + k_8_3 = 0 \\
&x^7_{11} + [y^7_{10}] + x^8_2 + k_8_1 = 0 \\
&[x^7_{14}] + x^8_{11} + k_7_7 = 0 \\
&x^8_3 + y^8_2 + x^9_4 + k_9_2 = 0 \\
&x^8_5 + y^8_4 + x^9_{12} + k_9_6 = 0 \\
&x^8_7 + y^8_6 + x^9_8 + k_9_4 = 0 \\
&x^8_8 + x^9_{13} + k_8_4 = 0 \\
&x^8_{10} + x^9_9 + k_8_5 = 0 \\
&x^8_{11} + y^8_{10} + [x^9_2] + k_9_1 = 0 \\
&x^8_{13} + y^8_{12} + x^9_{10} + k_9_5 = 0 \\
&x^9_4 + x^{10}_7 + k_9_2 = 0 \\
&x^9_9 + y^9_8 + x^{10}_6 + k_{10}_3 = 0 \\
&x^9_{10} + x^{10}_9 + k_9_5 = 0 \\
&x^9_{13} + y^9_{12} + x^{10}_{10} + k_{10}_5 = 0 \\
&x^{10}_7 + y^{10}_6 + x^{11}_8 + k_{11}_4 = 0 \\
&x^{10}_9 + [y^{10}_8] + [x^{11}_6] + k_{11}_3 = 0 \\
&x^{10}_{10} + x^{11}_9 + k_{10}_5 = 0 \\
&x^{11}_9 + y^{11}_8 + x^{12}_6 + k_{12}_3 = 0 \\
&x^{12}_6 + x^{13}_3 + k_{12}_3 = 0 \\
&x^{13}_3 + [y^{13}_2] + [x^{14}_4] + k_{14}_2 = 0 \\
&S(x^4_6) + y^4_6 = 0 \\
&S(x^5_2) + y^5_2 = 0 \\
&S(x^5_{12}) + y^5_{12} = 0 \\
&S(x^6_0) + y^6_0 = 0 \\
&S(x^7_4) + y^7_4 = 0 \\
&S(x^7_6) + y^7_6 = 0 \\
&S(x^7_8) + y^7_8 = 0 \\
&S(x^8_2) + y^8_2 = 0 \\
&S(x^8_4) + y^8_4 = 0 \\
&S(x^8_6) + y^8_6 = 0
\end{aligned}$$

$$S(x^{8}_{10}) + y^{8}_{10} = 0$$

$$S(x^{8}_{12}) + y^{8}_{12} = 0$$

$$S(x^{9}_{8}) + y^{9}_{8} = 0$$

$$S(x^{9}_{12}) + y^{9}_{12} = 0$$

$$S(x^{10}_{6}) + y^{10}_{6} = 0$$

$$S(x^{11}_{8}) + y^{11}_{8} = 0$$

the 3 th Minimal Constraint set is:

$$[x^2_4] + x^3_7 + k_{2_2} = 0$$

$$[x^3_4] + x^4_7 + k_{3_2} = 0$$

$$x^3_7 + [y^3_6] + x^4_8 + k_{4_4} = 0$$

$$x^4_6 + x^5_3 + k_{4_3} = 0$$

$$x^4_7 + y^4_6 + [x^5_8] + k_{5_4} = 0$$

$$x^4_8 + x^5_{13} + k_{4_4} = 0$$

$$x^5_2 + x^6_1 + k_{5_1} = 0$$

$$x^5_3 + y^5_2 + x^6_4 + k_{6_2} = 0$$

$$x^5_{12} + x^6_{15} + k_{5_6} = 0$$

$$x^5_{13} + y^5_{12} + x^6_{10} + k_{6_5} = 0$$

$$x^6_0 + x^7_5 + k_{6_0} = 0$$

$$x^6_1 + y^6_0 + x^7_0 + k_{7_0} = 0$$

$$x^6_4 + x^7_7 + k_{6_2} = 0$$

$$[x^6_6] + x^7_3 + k_{6_3} = 0$$

$$x^6_{10} + x^7_9 + k_{6_5} = 0$$

$$[x^6_{14}] + x^7_{11} + k_{6_7} = 0$$

$$x^6_{15} + [y^6_{14}] + [x^7_{14}] + k_{7_7} = 0$$

$$x^7_0 + x^8_5 + k_{7_0} = 0$$

$$x^7_3 + [y^7_2] + x^8_4 + k_{8_2} = 0$$

$$x^7_4 + x^8_7 + k_{7_2} = 0$$

$$x^7_5 + y^7_4 + x^8_{12} + k_{8_6} = 0$$

$$x^7_6 + x^8_3 + k_{7_3} = 0$$

$$x^7_7 + y^7_6 + x^8_8 + k_{8_4} = 0$$

$$x^7_8 + x^8_{13} + k_{7_4} = 0$$

$$x^7_9 + y^7_8 + x^8_6 + k_{8_3} = 0$$

$$x^7_{11} + [y^7_{10}] + x^8_2 + k_{8_1} = 0$$

$$[x^7_{14}] + x^8_{11} + k_{7_7} = 0$$

$$x^8_3 + y^8_2 + x^9_4 + k_{9_2} = 0$$

$$x^8_5 + y^8_4 + x^9_{12} + k_{9_6} = 0$$

$$x^8_7 + y^8_6 + x^9_8 + k_{9_4} = 0$$

$$x^8_8 + x^9_{13} + k_{8_4} = 0$$

$$x^8_{10} + x^9_9 + k_{8_5} = 0$$

$$x^8_{11} + y^8_{10} + [x^9_2] + k_{9_1} = 0$$

$$x^8_{13} + y^8_{12} + x^9_{10} + k_{9_5} = 0$$

$$x^9_4 + x^{10}_7 + k_{9_2} = 0$$

$$x^9_9 + y^9_8 + x^{10}_6 + k_{10_3} = 0$$

$$x^9_{10} + x^{10}_9 + k_{9_5} = 0$$

$$\begin{aligned}
x^{9_{13}} + y^{9_{12}} + x^{10_{10}} + k_{10_5} &= 0 \\
x^{10_7} + y^{10_6} + x^{11_8} + k_{11_4} &= 0 \\
x^{10_9} + [y^{10_8}] + [x^{11_6}] + k_{11_3} &= 0 \\
x^{10_{10}} + x^{11_9} + k_{10_5} &= 0 \\
[x^{11_4}] + x^{12_7} + k_{11_2} &= 0 \\
x^{11_9} + y^{11_8} + x^{12_6} + k_{12_3} &= 0 \\
x^{12_7} + y^{12_6} + [x^{13_8}] + k_{13_4} &= 0 \\
S(x^{4_6}) + y^{4_6} &= 0 \\
S(x^{5_2}) + y^{5_2} &= 0 \\
S(x^{5_{12}}) + y^{5_{12}} &= 0 \\
S(x^{6_0}) + y^{6_0} &= 0 \\
S(x^{7_4}) + y^{7_4} &= 0 \\
S(x^{7_6}) + y^{7_6} &= 0 \\
S(x^{7_8}) + y^{7_8} &= 0 \\
S(x^{8_2}) + y^{8_2} &= 0 \\
S(x^{8_4}) + y^{8_4} &= 0 \\
S(x^{8_6}) + y^{8_6} &= 0 \\
S(x^{8_{10}}) + y^{8_{10}} &= 0 \\
S(x^{8_{12}}) + y^{8_{12}} &= 0 \\
S(x^{9_8}) + y^{9_8} &= 0 \\
S(x^{9_{12}}) + y^{9_{12}} &= 0 \\
S(x^{10_6}) + y^{10_6} &= 0 \\
S(x^{11_8}) + y^{11_8} &= 0 \\
S(x^{12_6}) + y^{12_6} &= 0
\end{aligned}$$

the 4 th Minimal Constraint set is:

$$\begin{aligned}
[x^{3_4}] + x^{4_7} + k_{3_2} &= 0 \\
[x^{3_6}] + x^{4_3} + k_{3_3} &= 0 \\
x^{4_2} + x^{5_1} + k_{4_1} &= 0 \\
x^{4_3} + y^{4_2} + [x^{5_4}] + k_{5_2} &= 0 \\
x^{4_6} + x^{5_3} + k_{4_3} &= 0 \\
x^{4_7} + y^{4_6} + [x^{5_8}] + k_{5_4} &= 0 \\
x^{5_0} + x^{6_5} + k_{5_0} &= 0 \\
x^{5_1} + y^{5_0} + x^{6_0} + k_{6_0} &= 0 \\
x^{5_2} + x^{6_1} + k_{5_1} &= 0 \\
x^{5_3} + y^{5_2} + x^{6_4} + k_{6_2} &= 0 \\
[x^{5_4}] + x^{6_7} + k_{5_2} &= 0 \\
x^{6_1} + y^{6_0} + x^{7_0} + k_{7_0} &= 0 \\
x^{6_5} + y^{6_4} + x^{7_{12}} + k_{7_6} &= 0 \\
[x^{6_6}] + x^{7_3} + k_{6_3} &= 0 \\
x^{6_7} + [y^{6_6}] + x^{7_8} + k_{7_4} &= 0 \\
[x^{6_{12}}] + x^{7_{15}} + k_{6_6} &= 0 \\
x^{7_0} + x^{8_5} + k_{7_0} &= 0 \\
x^{7_3} + [y^{7_2}] + x^{8_4} + k_{8_2} &= 0 \\
x^{7_8} + x^{8_{13}} + k_{7_4} &= 0
\end{aligned}$$

$$\begin{aligned}
&x^7_{12} + x^8_{15} + k_{7_6} = 0 \\
&x^7_{15} + [y^7_{14}] + x^8_{14} + k_{8_7} = 0 \\
&x^8_5 + y^8_4 + x^9_{12} + k_{9_6} = 0 \\
&x^8_{12} + x^9_{15} + k_{8_6} = 0 \\
&x^8_{13} + y^8_{12} + x^9_{10} + k_{9_5} = 0 \\
&x^8_{15} + y^8_{14} + x^9_{14} + k_{9_7} = 0 \\
&x^9_{10} + x^{10}_9 + k_{9_5} = 0 \\
&x^9_{12} + x^{10}_{15} + k_{9_6} = 0 \\
&x^9_{15} + y^9_{14} + x^{10}_{14} + k_{10_7} = 0 \\
&x^{10}_9 + [y^{10}_8] + [x^{11}_6] + k_{11_3} = 0 \\
&x^{10}_{15} + y^{10}_{14} + x^{11}_{14} + k_{11_7} = 0 \\
&x^{11}_{14} + x^{12}_{11} + k_{11_7} = 0 \\
&x^{12}_{11} + [y^{12}_{10}] + [x^{13}_2] + k_{13_1} = 0 \\
&S(x^4_2) + y^4_2 = 0 \\
&S(x^4_6) + y^4_6 = 0 \\
&S(x^5_0) + y^5_0 = 0 \\
&S(x^5_2) + y^5_2 = 0 \\
&S(x^6_0) + y^6_0 = 0 \\
&S(x^6_4) + y^6_4 = 0 \\
&S(x^8_4) + y^8_4 = 0 \\
&S(x^8_{12}) + y^8_{12} = 0 \\
&S(x^8_{14}) + y^8_{14} = 0 \\
&S(x^9_{14}) + y^9_{14} = 0 \\
&S(x^{10}_{14}) + y^{10}_{14} = 0
\end{aligned}$$

the 5 th Minimal Constraint set is:

$$\begin{aligned}
&[x^9_0] + x^{10}_5 + k_{9_0} = 0 \\
&x^{10}_5 + [y^{10}_4] + x^{11}_{12} + k_{11_6} = 0 \\
&[x^{10}_8] + x^{11}_{13} + k_{10_4} = 0 \\
&x^{11}_{13} + y^{11}_{12} + [x^{12}_{10}] + k_{12_5} = 0 \\
&S(x^{11}_{12}) + y^{11}_{12} = 0
\end{aligned}$$

the 6 th Minimal Constraint set is:

$$\begin{aligned}
&[x^6_{12}] + x^7_{15} + k_{6_6} = 0 \\
&x^7_{15} + [y^7_{14}] + x^8_{14} + k_{8_7} = 0 \\
&x^8_{14} + x^9_{11} + k_{8_7} = 0 \\
&[x^9_6] + x^{10}_3 + k_{9_3} = 0 \\
&x^9_{10} + x^{10}_9 + k_{9_5} = 0 \\
&x^9_{11} + y^9_{10} + x^{10}_2 + k_{10_1} = 0 \\
&x^{10}_3 + y^{10}_2 + [x^{11}_4] + k_{11_2} = 0 \\
&x^{10}_9 + [y^{10}_8] + [x^{11}_6] + k_{11_3} = 0 \\
&S(x^9_{10}) + y^9_{10} = 0 \\
&S(x^{10}_2) + y^{10}_2 = 0
\end{aligned}$$

the 7 th Minimal Constraint set is:

$$\begin{aligned}
&[x^6_6] + x^7_3 + k_{6_3} = 0 \\
&x^7_3 + [y^7_2] + x^8_4 + k_{8_2} = 0
\end{aligned}$$

$$x^{8_4} + x^{9_7} + k_{8_2} = 0$$

$$x^{9_7} + [y^{9_6}] + [x^{10_8}] + k_{10_4} = 0$$

the 8 th Minimal Constraint set is:

$$[x^{2_4}] + x^{3_7} + k_{2_2} = 0$$

$$x^{3_7} + [y^{3_6}] + x^{4_8} + k_{4_4} = 0$$

$$x^{4_8} + x^{5_{13}} + k_{4_4} = 0$$

$$[x^{5_4}] + x^{6_7} + k_{5_2} = 0$$

$$x^{5_{12}} + x^{6_{15}} + k_{5_6} = 0$$

$$x^{5_{13}} + y^{5_{12}} + x^{6_{10}} + k_{6_5} = 0$$

$$x^{6_7} + [y^{6_6}] + x^{7_8} + k_{7_4} = 0$$

$$x^{6_{10}} + x^{7_9} + k_{6_5} = 0$$

$$x^{6_{15}} + [y^{6_{14}}] + [x^{7_{14}}] + k_{7_7} = 0$$

$$x^{7_9} + y^{7_8} + x^{8_6} + k_{8_3} = 0$$

$$x^{8_6} + x^{9_3} + k_{8_3} = 0$$

$$x^{9_3} + [y^{9_2}] + [x^{10_4}] + k_{10_2} = 0$$

$$S(x^{5_{12}}) + y^{5_{12}} = 0$$

$$S(x^{7_8}) + y^{7_8} = 0$$

the 9 th Minimal Constraint set is:

$$[x^{6_{14}}] + x^{7_{11}} + k_{6_7} = 0$$

$$x^{7_{11}} + [y^{7_{10}}] + x^{8_2} + k_{8_1} = 0$$

$$x^{8_2} + x^{9_1} + k_{8_1} = 0$$

$$x^{9_1} + [y^{9_0}] + [x^{10_0}] + k_{10_0} = 0$$

the 10 th Minimal Constraint set is:

$$[x^{2_4}] + x^{3_7} + k_{2_2} = 0$$

$$x^{3_7} + [y^{3_6}] + x^{4_8} + k_{4_4} = 0$$

$$x^{4_8} + x^{5_{13}} + k_{4_4} = 0$$

$$x^{5_{12}} + x^{6_{15}} + k_{5_6} = 0$$

$$x^{5_{13}} + y^{5_{12}} + x^{6_{10}} + k_{6_5} = 0$$

$$[x^{5_{14}}] + x^{6_{11}} + k_{5_7} = 0$$

$$x^{6_{11}} + y^{6_{10}} + [x^{7_2}] + k_{7_1} = 0$$

$$x^{6_{15}} + [y^{6_{14}}] + [x^{7_{14}}] + k_{7_7} = 0$$

$$S(x^{5_{12}}) + y^{5_{12}} = 0$$

$$S(x^{6_{10}}) + y^{6_{10}} = 0$$

the 11 th Minimal Constraint set is:

$$[x^{5_8}] + x^{6_{13}} + k_{5_4} = 0$$

$$x^{6_{13}} + [y^{6_{12}}] + [x^{7_{10}}] + k_{7_5} = 0$$

the 12 th Minimal Constraint set is:

$$[x^{2_0}] + x^{3_5} + k_{2_0} = 0$$

$$x^{3_5} + [y^{3_4}] + x^{4_{12}} + k_{4_6} = 0$$

$$x^{4_{12}} + x^{5_{15}} + k_{4_6} = 0$$

$$x^{5_{15}} + [y^{5_{14}}] + [x^{6_{14}}] + k_{6_7} = 0$$

the 13 th Minimal Constraint set is:

$$[x^{2_8}] + x^{3_{13}} + k_{2_4} = 0$$

$$x^{3_{13}} + [y^{3_{12}}] + x^{4_{10}} + k_{4_5} = 0$$

$$x^{4_{10}} + x^{5_9} + k_{4_5} = 0$$

$$x^{5_9} + [y^{5_8}] + [x^{6_6}] + k_{6_3} = 0$$

the 14 th Minimal Constraint set is:

$$[x^{1_2}] + x^{2_1} + k_{1_1} = 0$$

$$[x^{1_6}] + x^{2_3} + k_{1_3} = 0$$

$$x^{2_1} + [y^{2_0}] + x^{3_0} + k_{3_0} = 0$$

$$x^{2_2} + x^{3_1} + k_{2_1} = 0$$

$$x^{2_3} + y^{2_2} + [x^{3_4}] + k_{3_2} = 0$$

$$x^{3_1} + y^{3_0} + x^{4_0} + k_{4_0} = 0$$

$$x^{4_0} + x^{5_5} + k_{4_0} = 0$$

$$x^{5_5} + [y^{5_4}] + [x^{6_{12}}] + k_{6_6} = 0$$

$$S(x^{2_2}) + y^{2_2} = 0$$

$$S(x^{3_0}) + y^{3_0} = 0$$

the 15 th Minimal Constraint set is:

$$[x^{1_0}] + x^{2_5} + k_{1_0} = 0$$

$$x^{2_5} + [y^{2_4}] + [x^{3_{12}}] + k_{3_6} = 0$$