Minimal Constraint Subsets Detected for differential trail in Table 10 DDH21+

the 0 th Minimal Constraint set is:

y^1_1 + x^2_5 + k_15= 0
y^1_1 + y^1_11 + x^2_13 + k_15= 0
y^1_3 + y^1_9 + [y^1_12] + [x^2_3] + k_13= 0
y^1_3 + y^1_9 + x^2_15 + k_13= 0
[y^1_4] + y^1_11 + [x^2_9] + k_10= 0
y^2_0 + y^2_10 + y^2_13 + x^3_0 + k_1= 0
y^2_0 + y^2_10 + x^3_12 + k_1= 0
y^2_2 + [y^2_8] + y^2_15 + [x^3_2] + k_0= 0
y^2_2 + x^3_6 + k_0= 0
y^2_5 + [y^2_8] + [x^3_10] + k_6= 0
y^3_0 + [y^3_10] + [x^4_12] + k_15= 0
y^3_3 + y^3_9 + y^3_12 + x^4_3 + k_14= 0
y^3_3 + x^4_7 + k_14= 0
y^3_6 + y^3_9 + x^4_11 + k_10= 0
[y^4_0] + y^4_10 + [y^4_13] + x^5_0 + k_7= 0
y^4_1 + x^5_5 + k_3= 0
y^4_1 + y^4_11 + x^5_13 + k_3= 0
y^4_3 + x^5_7 + k_6= 0
y^4_7 + y^4_10 + x^5_8 + k_5= 0
y^5_0 + y^5_10 + y^5_13 + x^6_0 + k_11= 0
[y^5_2] + y^5_8 + [y^5_15] + x^6_2 + k_15= 0
[y^5_2] + y^5_8 + [x^6_14] + k_15= 0
y^5_3 + y^5_9 + [y^5_12] + [x^6_3] + k_12= 0
y^5_3 + y^5_9 + x^6_15 + k_12= 0
y^5_5 + y^5_8 + x^6_10 + k_10= 0
y^5_7 + y^5_10 + x^6_8 + k_14= 0
y^6_0 + y^6_10 + x^7_12 + k_3= 0
y^6_2 + y^6_8 + y^6_15 + x^7_2 + k_7= 0
[y^6_3] + [y^6_9] + x^7_15 + k_4= 0
y^7_0 + [y^7_10] + [y^7_13] + x^8_0 + k_13= 0
y^7_0 + x^8_4 + k_13= 0
y^7_2 + y^7_8 + y^7_15 + x^8_2 + k_11= 0
y^7_2 + x^8_6 + k_11= 0
y^7_2 + y^7_8 + x^8_14 + k_11= 0
y^7_3 + y^7_9 + y^7_12 + x^8_3 + k_10= 0
y^7_3 + y^7_9 + x^8_15 + k_10= 0
[y^7_7] + [y^7_10] + x^8_8 + k_12= 0
y^8_0 + x^9_4 + k_5= 0
y^8_1 + y^8_11 + y^8_14 + x^9_1 + k_6= 0
y^8_1 + x^9_5 + k_6= 0
y^8_2 + y^8_8 + y^8_15 + x^9_2 + k_3= 0

y^8_3 + y^8_9 + x^9_15 + k_2= 0
y^8_4 + y^8_11 + x^9_9 + k_7= 0
y^8_6 + y^8_9 + x^9_11 + k_1= 0
y^9_1 + x^10_5 + k_12= 0
y^9_2 + y^9_8 + y^9_15 + x^10_2 + k_13= 0
[y^9_3] + x^10_7 + k_8= 0
[y^9_3] + y^9_9 + x^10_15 + k_8= 0
y^9_4 + y^9_11 + x^10_9 + k_11= 0
y^9_5 + y^9_8 + x^10_10 + k_9= 0
y^10_2 + y^10_8 + y^10_15 + x^11_2 + k_5= 0
y^10_3 + x^11_7 + k_0= 0
y^10_3 + y^10_9 + x^11_15 + k_0= 0
y^10_5 + y^10_8 + x^11_10 + k_1= 0
y^10_7 + y^10_10 + x^11_8 + k_2= 0
y^11_2 + y^11_8 + y^11_15 + x^12_2 + k_14= 0
y^11_7 + y^11_10 + [x^12_8] + k_8= 0
y^12_2 + [y^12_8] + [x^13_14] + k_6= 0
S(x^2_5) + y^2_5= 0
S(x^2_13) + y^2_13= 0
S(x^2_15) + y^2_15= 0
S(x^3_0) + y^3_0= 0
S(x^3_6) + y^3_6= 0
S(x^3_12) + y^3_12= 0
S(x^4_3) + y^4_3= 0
S(x^4_7) + y^4_7= 0
S(x^4_11) + y^4_11= 0
S(x^5_0) + y^5_0= 0
S(x^5_5) + y^5_5= 0
S(x^5_7) + y^5_7= 0
S(x^5_8) + y^5_8= 0
S(x^5_13) + y^5_13= 0
S(x^6_0) + y^6_0= 0
S(x^6_2) + y^6_2= 0
S(x^6_8) + y^6_8= 0
S(x^6_10) + y^6_10= 0
S(x^6_15) + y^6_15= 0
S(x^7_2) + y^7_2= 0
S(x^7_12) + y^7_12= 0
S(x^7_15) + y^7_15= 0
S(x^8_0) + y^8_0= 0
S(x^8_2) + y^8_2= 0
S(x^8_3) + y^8_3= 0
S(x^8_4) + y^8_4= 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^8_15) + y^8_15= 0
S(x^9_1) + y^9_1= 0
S(x^9_2) + y^9_2= 0
S(x^9_4) + y^9_4= 0
S(x^9_5) + y^9_5= 0
S(x^9_9) + y^9_9= 0
S(x^9_11) + y^9_11= 0
S(x^9_15) + y^9_15= 0
S(x^10_2) + y^10_2= 0
S(x^10_5) + y^10_5= 0
S(x^10_7) + y^10_7= 0
S(x^10_9) + y^10_9= 0
S(x^10_10) + y^10_10= 0
S(x^10_15) + y^10_15= 0
S(x^11_2) + y^11_2= 0
S(x^11_7) + y^11_7= 0
S(x^11_8) + y^11_8= 0
S(x^11_10) + y^11_10= 0
S(x^11_15) + y^11_15= 0
S(x^12_2) + y^12_2= 0
the 1 th Minimal Constraint set is:
y^1_1 + x^2_5 + k_15= 0
y^1_1 + y^1_11 + x^2_13 + k_15= 0
[y^1_4] + y^1_11 + [x^2_9] + k_10= 0
y^2_0 + y^2_10 + y^2_13 + x^3_0 + k_1= 0
y^2_0 + y^2_10 + x^3_12 + k_1= 0
y^2_5 + [y^2_8] + [x^3_10] + k_6= 0
y^3_0 + [y^3_10] + [x^4_12] + k_15= 0
y^3_1 + [y^3_11] + [y^3_14] + x^4_1 + k_11= 0
y^3_1 + x^4_5 + k_11= 0
y^3_3 + y^3_9 + y^3_12 + x^4_3 + k_14= 0
y^3_3 + y^3_9 + x^4_15 + k_14= 0
y^4_1 + x^5_5 + k_3= 0
[y^4_2] + y^4_8 + y^4_15 + [x^5_2] + k_1= 0
y^4_3 + [y^4_9] + [x^5_15] + k_6= 0
y^4_5 + y^4_8 + x^5_10 + k_4= 0
y^5_0 + x^6_4 + k_11= 0
y^5_0 + y^5_10 + x^6_12 + k_11= 0
[y^5_2] + y^5_8 + [x^6_14] + k_15= 0
y^5_3 + y^5_9 + [y^5_12] + [x^6_3] + k_12= 0
y^5_3 + y^5_9 + x^6_15 + k_12= 0
y^5_5 + y^5_8 + x^6_10 + k_10= 0

y^6_0 + x^7_4 + k_3= 0
y^6_0 + y^6_10 + x^7_12 + k_3= 0
[y^6_1] + y^6_11 + [y^6_14] + x^7_1 + k_5= 0
y^6_2 + y^6_8 + y^6_15 + x^7_2 + k_7= 0
y^6_2 + y^6_8 + x^7_14 + k_7= 0
[y^6_3] + [y^6_9] + y^6_12 + x^7_3 + k_4= 0
[y^6_3] + [y^6_9] + x^7_15 + k_4= 0
y^6_4 + y^6_11 + x^7_9 + k_1= 0
y^7_0 + [y^7_10] + [y^7_13] + x^8_0 + k_13= 0
y^7_0 + x^8_4 + k_13= 0
y^7_1 + y^7_11 + y^7_14 + x^8_1 + k_14= 0
y^7_2 + y^7_8 + y^7_15 + x^8_2 + k_11= 0
y^7_2 + x^8_6 + k_11= 0
y^7_2 + y^7_8 + x^8_14 + k_11= 0
y^7_3 + y^7_9 + y^7_12 + x^8_3 + k_10= 0
y^7_4 + y^7_11 + x^8_9 + k_15= 0
y^8_0 + x^9_4 + k_5= 0
y^8_1 + y^8_11 + y^8_14 + x^9_1 + k_6= 0
y^8_2 + x^9_6 + k_3= 0
y^8_3 + x^9_7 + k_2= 0
y^8_4 + y^8_11 + x^9_9 + k_7= 0
y^8_6 + y^8_9 + x^9_11 + k_1= 0
y^9_0 + x^10_4 + k_14= 0
y^9_0 + y^9_10 + x^10_12 + k_14= 0
y^9_1 + x^10_5 + k_12= 0
y^9_4 + y^9_11 + x^10_9 + k_11= 0
y^9_6 + y^9_9 + x^10_11 + k_15= 0
y^9_7 + y^9_10 + x^10_8 + k_10= 0
y^10_3 + y^10_9 + y^10_12 + x^11_3 + k_0= 0
y^10_3 + x^11_7 + k_0= 0
y^10_4 + y^10_11 + x^11_9 + k_3= 0
y^10_5 + y^10_8 + x^11_10 + k_1= 0
y^11_3 + y^11_9 + x^12_15 + k_9= 0
y^11_7 + y^11_10 + [x^12_8] + k_8= 0
y^12_2 + [y^12_8] + y^12_15 + [x^13_2] + k_6= 0
y^12_2 + [y^12_8] + [x^13_14] + k_6= 0
S(x^2_5) + y^2_5= 0
S(x^2_13) + y^2_13= 0
S(x^3_0) + y^3_0= 0
S(x^3_12) + y^3_12= 0
S(x^4_1) + y^4_1= 0
S(x^4_3) + y^4_3= 0
S(x^4_5) + y^4_5= 0
S(x^4_15) + y^4_15= 0

S(x^5_5) + y^5_5= 0
S(x^5_10) + y^5_10= 0
S(x^6_4) + y^6_4= 0
S(x^6_10) + y^6_10= 0
S(x^6_12) + y^6_12= 0
S(x^6_15) + y^6_15= 0
S(x^7_1) + y^7_1= 0
S(x^7_2) + y^7_2= 0
S(x^7_3) + y^7_3= 0
S(x^7_4) + y^7_4= 0
S(x^7_9) + y^7_9= 0
S(x^7_12) + y^7_12= 0
S(x^7_14) + y^7_14= 0
S(x^7_15) + y^7_15= 0
S(x^8_0) + y^8_0= 0
S(x^8_1) + y^8_1= 0
S(x^8_2) + y^8_2= 0
S(x^8_3) + y^8_3= 0
S(x^8_4) + y^8_4= 0
S(x^8_6) + y^8_6= 0
S(x^8_9) + y^8_9= 0
S(x^8_14) + y^8_14= 0
S(x^9_1) + y^9_1= 0
S(x^9_4) + y^9_4= 0
S(x^9_6) + y^9_6= 0
S(x^9_7) + y^9_7= 0
S(x^9_9) + y^9_9= 0
S(x^9_11) + y^9_11= 0
S(x^10_4) + y^10_4= 0
S(x^10_5) + y^10_5= 0
S(x^10_8) + y^10_8= 0
S(x^10_9) + y^10_9= 0
S(x^10_11) + y^10_11= 0
S(x^10_12) + y^10_12= 0
S(x^11_3) + y^11_3= 0
S(x^11_7) + y^11_7= 0
S(x^11_9) + y^11_9= 0
S(x^11_10) + y^11_10= 0
S(x^12_15) + y^12_15= 0
the 2 th Minimal Constraint set is:
[y^0_0] + y^0_10 + [y^0_13] + x^1_0 + k_0= 0
[y^0_0] + y^0_10 + [x^1_12] + k_0= 0
y^1_0 + y^1_10 + x^2_12 + k_9= 0
y^1_1 + x^2_5 + k_15= 0

y^1_1 + y^1_11 + x^2_13 + k_15= 0
y^1_3 + y^1_9 + [y^1_12] + [x^2_3] + k_13= 0
y^1_3 + y^1_9 + x^2_15 + k_13= 0
[y^1_4] + y^1_11 + [x^2_9] + k_10= 0
[y^1_7] + y^1_10 + [x^2_8] + k_11= 0
y^2_0 + y^2_10 + y^2_13 + x^3_0 + k_1= 0
y^2_0 + y^2_10 + x^3_12 + k_1= 0
y^2_2 + [y^2_8] + y^2_15 + [x^3_2] + k_0= 0
y^2_2 + x^3_6 + k_0= 0
[y^2_3] + [y^2_9] + y^2_12 + x^3_3 + k_5= 0
y^2_5 + [y^2_8] + [x^3_10] + k_6= 0
y^3_0 + [y^3_10] + [x^4_12] + k_15= 0
y^3_3 + y^3_9 + y^3_12 + x^4_3 + k_14= 0
y^3_6 + y^3_9 + x^4_11 + k_10= 0
y^4_1 + x^5_5 + k_3= 0
y^4_1 + y^4_11 + x^5_13 + k_3= 0
y^4_3 + [y^4_9] + [x^5_15] + k_6= 0
y^5_0 + y^5_10 + y^5_13 + x^6_0 + k_11= 0
y^5_0 + y^5_10 + x^6_12 + k_11= 0
[y^5_1] + [y^5_11] + x^6_13 + k_13= 0
[y^5_2] + y^5_8 + [x^6_14] + k_15= 0
y^5_3 + y^5_9 + [y^5_12] + [x^6_3] + k_12= 0
y^5_3 + x^6_7 + k_12= 0
y^5_5 + y^5_8 + x^6_10 + k_10= 0
[y^5_6] + y^5_9 + x^6_11 + k_8= 0
y^6_0 + y^6_10 + y^6_13 + x^7_0 + k_3= 0
y^6_0 + x^7_4 + k_3= 0
y^6_0 + y^6_10 + x^7_12 + k_3= 0
[y^6_1] + y^6_11 + [y^6_14] + x^7_1 + k_5= 0
[y^6_3] + [y^6_9] + y^6_12 + x^7_3 + k_4= 0
[y^6_3] + [y^6_9] + x^7_15 + k_4= 0
[y^6_6] + [y^6_9] + x^7_11 + k_0= 0
y^6_7 + y^6_10 + x^7_8 + k_6= 0
y^7_0 + [y^7_10] + [y^7_13] + x^8_0 + k_13= 0
y^7_1 + x^8_5 + k_14= 0
y^7_2 + y^7_8 + y^7_15 + x^8_2 + k_11= 0
y^7_2 + x^8_6 + k_11= 0
y^7_3 + y^7_9 + y^7_12 + x^8_3 + k_10= 0
y^7_3 + x^8_7 + k_10= 0
y^7_3 + y^7_9 + x^8_15 + k_10= 0
y^7_4 + y^7_11 + x^8_9 + k_15= 0
[y^7_7] + [y^7_10] + x^8_8 + k_12= 0
y^8_0 + y^8_10 + x^9_12 + k_5= 0
y^8_2 + y^8_8 + y^8_15 + x^9_2 + k_3= 0

y^8_2 + x^9_6 + k_3= 0
y^8_2 + y^8_8 + x^9_14 + k_3= 0
y^8_3 + x^9_7 + k_2= 0
y^8_5 + y^8_8 + x^9_10 + k_0= 0
y^8_6 + y^8_9 + x^9_11 + k_1= 0
y^8_7 + y^8_10 + x^9_8 + k_4= 0
y^9_1 + y^9_11 + y^9_14 + x^10_1 + k_12= 0
y^9_1 + x^10_5 + k_12= 0
y^9_2 + y^9_8 + x^10_14 + k_13= 0
[y^9_3] + y^9_9 + y^9_12 + x^10_3 + k_8= 0
y^9_6 + y^9_9 + x^10_11 + k_15= 0
y^9_7 + y^9_10 + x^10_8 + k_10= 0
y^10_1 + y^10_11 + y^10_14 + x^11_1 + k_4= 0
y^10_3 + x^11_7 + k_0= 0
y^10_5 + y^10_8 + x^11_10 + k_1= 0
y^11_1 + x^12_5 + k_10= 0
y^11_7 + y^11_10 + [x^12_8] + k_8= 0
y^12_5 + [y^12_8] + [x^13_10] + k_7= 0
S(x^1_0) + y^1_0= 0
S(x^2_5) + y^2_5= 0
S(x^2_12) + y^2_12= 0
S(x^2_13) + y^2_13= 0
S(x^2_15) + y^2_15= 0
S(x^3_0) + y^3_0= 0
S(x^3_3) + y^3_3= 0
S(x^3_6) + y^3_6= 0
S(x^3_12) + y^3_12= 0
S(x^4_3) + y^4_3= 0
S(x^4_11) + y^4_11= 0
S(x^5_5) + y^5_5= 0
S(x^5_13) + y^5_13= 0
S(x^6_0) + y^6_0= 0
S(x^6_7) + y^6_7= 0
S(x^6_10) + y^6_10= 0
S(x^6_11) + y^6_11= 0
S(x^6_12) + y^6_12= 0
S(x^6_13) + y^6_13= 0
S(x^7_0) + y^7_0= 0
S(x^7_1) + y^7_1= 0
S(x^7_3) + y^7_3= 0
S(x^7_4) + y^7_4= 0
S(x^7_8) + y^7_8= 0
S(x^7_11) + y^7_11= 0
S(x^7_12) + y^7_12= 0

S(x^7_15) + y^7_15= 0
S(x^8_0) + y^8_0= 0
S(x^8_2) + y^8_2= 0
S(x^8_3) + y^8_3= 0
S(x^8_5) + y^8_5= 0
S(x^8_6) + y^8_6= 0
S(x^8_7) + y^8_7= 0
S(x^8_8) + y^8_8= 0
S(x^8_9) + y^8_9= 0
S(x^8_15) + y^8_15= 0
S(x^9_2) + y^9_2= 0
S(x^9_6) + y^9_6= 0
S(x^9_7) + y^9_7= 0
S(x^9_8) + y^9_8= 0
S(x^9_10) + y^9_10= 0
S(x^9_11) + y^9_11= 0
S(x^9_12) + y^9_12= 0
S(x^9_14) + y^9_14= 0
S(x^10_1) + y^10_1= 0
S(x^10_3) + y^10_3= 0
S(x^10_5) + y^10_5= 0
S(x^10_8) + y^10_8= 0
S(x^10_11) + y^10_11= 0
S(x^10_14) + y^10_14= 0
S(x^11_1) + y^11_1= 0
S(x^11_7) + y^11_7= 0
S(x^11_10) + y^11_10= 0
S(x^12_5) + y^12_5= 0
the 3 th Minimal Constraint set is:
y^1_1 + x^2_5 + k_15= 0
y^1_1 + y^1_11 + x^2_13 + k_15= 0
y^1_3 + y^1_9 + [y^1_12] + [x^2_3] + k_13= 0
y^1_3 + y^1_9 + x^2_15 + k_13= 0
[y^1_4] + y^1_11 + [x^2_9] + k_10= 0
y^2_0 + y^2_10 + y^2_13 + x^3_0 + k_1= 0
y^2_0 + y^2_10 + x^3_12 + k_1= 0
y^2_2 + [y^2_8] + y^2_15 + [x^3_2] + k_0= 0
y^2_2 + x^3_6 + k_0= 0
y^2_5 + [y^2_8] + [x^3_10] + k_6= 0
y^3_0 + [y^3_10] + [x^4_12] + k_15= 0
y^3_3 + y^3_9 + y^3_12 + x^4_3 + k_14= 0
y^3_3 + x^4_7 + k_14= 0
y^3_6 + y^3_9 + x^4_11 + k_10= 0
[y^4_0] + y^4_10 + [y^4_13] + x^5_0 + k_7= 0

y^4_1 + x^5_5 + k_3= 0
y^4_1 + y^4_11 + x^5_13 + k_3= 0
y^4_3 + [y^4_9] + [y^4_12] + x^5_3 + k_6= 0
y^4_7 + y^4_10 + x^5_8 + k_5= 0
y^5_0 + y^5_10 + y^5_13 + x^6_0 + k_11= 0
y^5_0 + x^6_4 + k_11= 0
y^5_0 + y^5_10 + x^6_12 + k_11= 0
y^5_3 + y^5_9 + x^6_15 + k_12= 0
y^5_5 + y^5_8 + x^6_10 + k_10= 0
[y^5_6] + y^5_9 + x^6_11 + k_8= 0
y^6_0 + y^6_10 + x^7_12 + k_3= 0
y^6_2 + y^6_8 + y^6_15 + x^7_2 + k_7= 0
y^6_2 + y^6_8 + x^7_14 + k_7= 0
[y^6_3] + [y^6_9] + y^6_12 + x^7_3 + k_4= 0
y^6_4 + y^6_11 + x^7_9 + k_1= 0
[y^6_6] + [y^6_9] + x^7_11 + k_0= 0
y^7_0 + [y^7_10] + [y^7_13] + x^8_0 + k_13= 0
y^7_0 + x^8_4 + k_13= 0
y^7_1 + y^7_11 + y^7_14 + x^8_1 + k_14= 0
y^7_1 + x^8_5 + k_14= 0
y^7_2 + y^7_8 + x^8_14 + k_11= 0
y^7_3 + y^7_9 + y^7_12 + x^8_3 + k_10= 0
[y^7_5] + y^7_8 + x^8_10 + k_8= 0
[y^7_7] + [y^7_10] + x^8_8 + k_12= 0
y^8_0 + y^8_10 + x^9_12 + k_5= 0
y^8_1 + y^8_11 + y^8_14 + x^9_1 + k_6= 0
y^8_3 + x^9_7 + k_2= 0
y^8_4 + y^8_11 + x^9_9 + k_7= 0
y^8_5 + y^8_8 + x^9_10 + k_0= 0
y^9_1 + x^10_5 + k_12= 0
[y^9_3] + y^9_9 + y^9_12 + x^10_3 + k_8= 0
y^9_7 + y^9_10 + x^10_8 + k_10= 0
y^10_3 + x^11_7 + k_0= 0
y^10_5 + y^10_8 + x^11_10 + k_1= 0
y^11_7 + y^11_10 + [x^12_8] + k_8= 0
S(x^2_5) + y^2_5= 0
S(x^2_13) + y^2_13= 0
S(x^2_15) + y^2_15= 0
S(x^3_0) + y^3_0= 0
S(x^3_6) + y^3_6= 0
S(x^3_12) + y^3_12= 0
S(x^4_3) + y^4_3= 0
S(x^4_7) + y^4_7= 0
S(x^4_11) + y^4_11= 0

S(x^5_0) + y^5_0= 0
S(x^5_3) + y^5_3= 0
S(x^5_5) + y^5_5= 0
S(x^5_8) + y^5_8= 0
S(x^5_13) + y^5_13= 0
S(x^6_0) + y^6_0= 0
S(x^6_4) + y^6_4= 0
S(x^6_10) + y^6_10= 0
S(x^6_11) + y^6_11= 0
S(x^6_12) + y^6_12= 0
S(x^6_15) + y^6_15= 0
S(x^7_2) + y^7_2= 0
S(x^7_3) + y^7_3= 0
S(x^7_9) + y^7_9= 0
S(x^7_11) + y^7_11= 0
S(x^7_12) + y^7_12= 0
S(x^7_14) + y^7_14= 0
S(x^8_0) + y^8_0= 0
S(x^8_1) + y^8_1= 0
S(x^8_3) + y^8_3= 0
S(x^8_4) + y^8_4= 0
S(x^8_5) + y^8_5= 0
S(x^8_8) + y^8_8= 0
S(x^8_10) + y^8_10= 0
S(x^8_14) + y^8_14= 0
S(x^9_1) + y^9_1= 0
S(x^9_7) + y^9_7= 0
S(x^9_9) + y^9_9= 0
S(x^9_10) + y^9_10= 0
S(x^9_12) + y^9_12= 0
S(x^10_3) + y^10_3= 0
S(x^10_5) + y^10_5= 0
S(x^10_8) + y^10_8= 0
S(x^11_7) + y^11_7= 0
S(x^11_10) + y^11_10= 0
the 4 th Minimal Constraint set is:
y^1_1 + x^2_5 + k_15= 0
y^1_1 + y^1_11 + x^2_13 + k_15= 0
[y^1_4] + y^1_11 + [x^2_9] + k_10= 0
y^2_0 + y^2_10 + y^2_13 + x^3_0 + k_1= 0
y^2_0 + y^2_10 + x^3_12 + k_1= 0
y^2_5 + [y^2_8] + [x^3_10] + k_6= 0
y^3_0 + [y^3_10] + [x^4_12] + k_15= 0
y^3_1 + [y^3_11] + [y^3_14] + x^4_1 + k_11= 0

y^3_1 + x^4_5 + k_11= 0
y^3_3 + y^3_9 + y^3_12 + x^4_3 + k_14= 0
y^3_3 + y^3_9 + x^4_15 + k_14= 0
y^4_1 + x^5_5 + k_3= 0
[y^4_2] + y^4_8 + y^4_15 + [x^5_2] + k_1= 0
y^4_3 + [y^4_9] + [y^4_12] + x^5_3 + k_6= 0
y^4_5 + y^4_8 + x^5_10 + k_4= 0
y^5_0 + x^6_4 + k_11= 0
y^5_0 + y^5_10 + x^6_12 + k_11= 0
[y^5_2] + y^5_8 + [x^6_14] + k_15= 0
y^5_3 + y^5_9 + [y^5_12] + [x^6_3] + k_12= 0
y^5_5 + y^5_8 + x^6_10 + k_10= 0
[y^5_6] + y^5_9 + x^6_11 + k_8= 0
y^6_0 + x^7_4 + k_3= 0
y^6_0 + y^6_10 + x^7_12 + k_3= 0
[y^6_3] + [y^6_9] + y^6_12 + x^7_3 + k_4= 0
y^6_4 + y^6_11 + x^7_9 + k_1= 0
[y^6_6] + [y^6_9] + x^7_11 + k_0= 0
y^7_3 + y^7_9 + y^7_12 + x^8_3 + k_10= 0
y^7_4 + y^7_11 + x^8_9 + k_15= 0
y^8_3 + y^8_9 + [y^8_12] + [x^9_3] + k_2= 0
S(x^2_5) + y^2_5= 0
S(x^2_13) + y^2_13= 0
S(x^3_0) + y^3_0= 0
S(x^3_12) + y^3_12= 0
S(x^4_1) + y^4_1= 0
S(x^4_3) + y^4_3= 0
S(x^4_5) + y^4_5= 0
S(x^4_15) + y^4_15= 0
S(x^5_3) + y^5_3= 0
S(x^5_5) + y^5_5= 0
S(x^5_10) + y^5_10= 0
S(x^6_4) + y^6_4= 0
S(x^6_10) + y^6_10= 0
S(x^6_11) + y^6_11= 0
S(x^6_12) + y^6_12= 0
S(x^7_3) + y^7_3= 0
S(x^7_4) + y^7_4= 0
S(x^7_9) + y^7_9= 0
S(x^7_11) + y^7_11= 0
S(x^7_12) + y^7_12= 0
S(x^8_3) + y^8_3= 0
S(x^8_9) + y^8_9= 0
the 5 th Minimal Constraint set is:

[y^0_0] + y^0_10 + [y^0_13] + x^1_0 + k_0= 0
[y^0_0] + y^0_10 + [x^1_12] + k_0= 0
y^1_0 + y^1_10 + x^2_12 + k_9= 0
[y^1_7] + y^1_10 + [x^2_8] + k_11= 0
[y^2_3] + [y^2_9] + y^2_12 + x^3_3 + k_5= 0
y^3_3 + x^4_7 + k_14= 0
[y^4_0] + y^4_10 + [x^5_12] + k_7= 0
y^4_7 + y^4_10 + x^5_8 + k_5= 0
[y^5_2] + y^5_8 + [x^6_14] + k_15= 0
S(x^1_0) + y^1_0= 0
S(x^2_12) + y^2_12= 0
S(x^3_3) + y^3_3= 0
S(x^4_7) + y^4_7= 0
S(x^5_8) + y^5_8= 0
the 6 th Minimal Constraint set is:
[y^0_0] + y^0_10 + [y^0_13] + x^1_0 + k_0= 0
[y^0_0] + y^0_10 + [x^1_12] + k_0= 0
y^0_2 + y^0_8 + [y^0_15] + [x^1_2] + k_2= 0
y^0_2 + y^0_8 + x^1_14 + k_2= 0
y^1_0 + y^1_10 + x^2_12 + k_9= 0
y^1_1 + y^1_11 + y^1_14 + x^2_1 + k_15= 0
y^1_1 + x^2_5 + k_15= 0
[y^1_4] + y^1_11 + [x^2_9] + k_10= 0
[y^1_7] + y^1_10 + [x^2_8] + k_11= 0
y^2_1 + x^3_5 + k_7= 0
[y^2_3] + [y^2_9] + y^2_12 + x^3_3 + k_5= 0
[y^2_3] + [y^2_9] + x^3_15 + k_5= 0
y^2_5 + [y^2_8] + [x^3_10] + k_6= 0
[y^3_2] + y^3_8 + y^3_15 + [x^4_2] + k_9= 0
y^3_3 + x^4_7 + k_14= 0
y^3_5 + y^3_8 + x^4_10 + k_12= 0
y^4_7 + y^4_10 + x^5_8 + k_5= 0
[y^5_2] + y^5_8 + [x^6_14] + k_15= 0
S(x^1_0) + y^1_0= 0
S(x^1_14) + y^1_14= 0
S(x^2_1) + y^2_1= 0
S(x^2_5) + y^2_5= 0
S(x^2_12) + y^2_12= 0
S(x^3_3) + y^3_3= 0
S(x^3_5) + y^3_5= 0
S(x^3_15) + y^3_15= 0
S(x^4_7) + y^4_7= 0
S(x^4_10) + y^4_10= 0
S(x^5_8) + y^5_8= 0

the 7 th Minimal Constraint set is:

y^0_2 + y^0_8 + [y^0_15] + [x^1_2] + k_2= 0
y^0_2 + y^0_8 + x^1_14 + k_2= 0
[y^0_3] + [y^0_9] + x^1_15 + k_3= 0
y^1_0 + x^2_4 + k_9= 0
y^1_0 + y^1_10 + x^2_12 + k_9= 0
y^1_1 + y^1_11 + y^1_14 + x^2_1 + k_15= 0
y^1_1 + x^2_5 + k_15= 0
[y^1_2] + y^1_8 + y^1_15 + x^2_2 + k_8= 0
[y^1_2] + y^1_8 + x^2_14 + k_8= 0
y^1_3 + y^1_9 + [y^1_12] + [x^2_3] + k_13= 0
y^1_3 + y^1_9 + x^2_15 + k_13= 0
[y^1_4] + y^1_11 + [x^2_9] + k_10= 0
[y^1_7] + y^1_10 + [x^2_8] + k_11= 0
y^2_1 + y^2_11 + y^2_14 + x^3_1 + k_7= 0
y^2_2 + [y^2_8] + y^2_15 + [x^3_2] + k_0= 0
[y^2_3] + [y^2_9] + y^2_12 + x^3_3 + k_5= 0
y^2_4 + y^2_11 + x^3_9 + k_2= 0
y^2_5 + [y^2_8] + [x^3_10] + k_6= 0
y^3_1 + x^4_5 + k_11= 0
y^3_3 + y^3_9 + x^4_15 + k_14= 0
[y^4_2] + y^4_8 + y^4_15 + [x^5_2] + k_1= 0
y^4_3 + x^5_7 + k_6= 0
y^4_3 + [y^4_9] + [x^5_15] + k_6= 0
y^4_5 + y^4_8 + x^5_10 + k_4= 0
y^5_7 + y^5_10 + x^6_8 + k_14= 0
[y^6_5] + y^6_8 + [x^7_10] + k_2= 0
S(x^1_14) + y^1_14= 0
S(x^1_15) + y^1_15= 0
S(x^2_1) + y^2_1= 0
S(x^2_2) + y^2_2= 0
S(x^2_4) + y^2_4= 0
S(x^2_5) + y^2_5= 0
S(x^2_12) + y^2_12= 0
S(x^2_14) + y^2_14= 0
S(x^2_15) + y^2_15= 0
S(x^3_1) + y^3_1= 0
S(x^3_3) + y^3_3= 0
S(x^3_9) + y^3_9= 0
S(x^4_5) + y^4_5= 0
S(x^4_15) + y^4_15= 0
S(x^5_7) + y^5_7= 0
S(x^5_10) + y^5_10= 0
S(x^6_8) + y^6_8= 0

the 8 th Minimal Constraint set is:

y^0_2 + y^0_8 + [y^0_15] + [x^1_2] + k_2= 0
y^0_2 + y^0_8 + x^1_14 + k_2= 0
[y^0_3] + [y^0_9] + x^1_15 + k_3= 0
y^1_0 + x^2_4 + k_9= 0
y^1_0 + y^1_10 + x^2_12 + k_9= 0
y^1_1 + y^1_11 + y^1_14 + x^2_1 + k_15= 0
y^1_1 + y^1_11 + x^2_13 + k_15= 0
[y^1_2] + y^1_8 + y^1_15 + x^2_2 + k_8= 0
[y^1_2] + y^1_8 + x^2_14 + k_8= 0
[y^1_7] + y^1_10 + [x^2_8] + k_11= 0
y^2_0 + y^2_10 + y^2_13 + x^3_0 + k_1= 0
y^2_0 + y^2_10 + x^3_12 + k_1= 0
y^2_1 + y^2_11 + y^2_14 + x^3_1 + k_7= 0
y^2_2 + x^3_6 + k_0= 0
[y^2_3] + [y^2_9] + y^2_12 + x^3_3 + k_5= 0
y^2_4 + y^2_11 + x^3_9 + k_2= 0
y^3_0 + [y^3_10] + [x^4_12] + k_15= 0
y^3_1 + x^4_5 + k_11= 0
y^3_3 + y^3_9 + y^3_12 + x^4_3 + k_14= 0
y^3_3 + x^4_7 + k_14= 0
y^3_3 + y^3_9 + x^4_15 + k_14= 0
y^3_6 + y^3_9 + x^4_11 + k_10= 0
[y^4_0] + y^4_10 + [y^4_13] + x^5_0 + k_7= 0
y^4_1 + x^5_5 + k_3= 0
y^4_1 + y^4_11 + x^5_13 + k_3= 0
[y^4_2] + y^4_8 + y^4_15 + [x^5_2] + k_1= 0
y^4_3 + [y^4_9] + [x^5_15] + k_6= 0
y^4_5 + y^4_8 + x^5_10 + k_4= 0
y^4_7 + y^4_10 + x^5_8 + k_5= 0
y^5_0 + y^5_10 + y^5_13 + x^6_0 + k_11= 0
[y^5_1] + [y^5_11] + x^6_13 + k_13= 0
y^5_5 + y^5_8 + x^6_10 + k_10= 0
y^6_0 + y^6_10 + y^6_13 + x^7_0 + k_3= 0
y^7_0 + [y^7_10] + [x^8_12] + k_13= 0
S(x^1_14) + y^1_14= 0
S(x^1_15) + y^1_15= 0
S(x^2_1) + y^2_1= 0
S(x^2_2) + y^2_2= 0
S(x^2_4) + y^2_4= 0
S(x^2_12) + y^2_12= 0
S(x^2_13) + y^2_13= 0
S(x^2_14) + y^2_14= 0
S(x^3_0) + y^3_0= 0

S(x^3_1) + y^3_1= 0
S(x^3_3) + y^3_3= 0
S(x^3_6) + y^3_6= 0
S(x^3_9) + y^3_9= 0
S(x^3_12) + y^3_12= 0
S(x^4_3) + y^4_3= 0
S(x^4_5) + y^4_5= 0
S(x^4_7) + y^4_7= 0
S(x^4_11) + y^4_11= 0
S(x^4_15) + y^4_15= 0
S(x^5_0) + y^5_0= 0
S(x^5_5) + y^5_5= 0
S(x^5_8) + y^5_8= 0
S(x^5_10) + y^5_10= 0
S(x^5_13) + y^5_13= 0
S(x^6_0) + y^6_0= 0
S(x^6_10) + y^6_10= 0
S(x^6_13) + y^6_13= 0
S(x^7_0) + y^7_0= 0
the 9 th Minimal Constraint set is:
y^4_3 + [y^4_9] + [y^4_12] + x^5_3 + k_6= 0
y^4_3 + [y^4_9] + [x^5_15] + k_6= 0
y^5_3 + y^5_9 + [y^5_12] + [x^6_3] + k_12= 0
[y^5_6] + y^5_9 + x^6_11 + k_8= 0
[y^6_1] + y^6_11 + [x^7_13] + k_5= 0
S(x^5_3) + y^5_3= 0
S(x^6_11) + y^6_11= 0
the 10 th Minimal Constraint set is:
[y^0_0] + y^0_10 + [y^0_13] + x^1_0 + k_0= 0
[y^0_0] + y^0_10 + [x^1_12] + k_0= 0
y^1_0 + y^1_10 + x^2_12 + k_9= 0
y^1_1 + x^2_5 + k_15= 0
y^1_1 + y^1_11 + x^2_13 + k_15= 0
y^1_3 + y^1_9 + [y^1_12] + [x^2_3] + k_13= 0
y^1_3 + y^1_9 + x^2_15 + k_13= 0
[y^1_4] + y^1_11 + [x^2_9] + k_10= 0
[y^1_7] + y^1_10 + [x^2_8] + k_11= 0
y^2_0 + y^2_10 + y^2_13 + x^3_0 + k_1= 0
y^2_0 + y^2_10 + x^3_12 + k_1= 0
y^2_2 + [y^2_8] + y^2_15 + [x^3_2] + k_0= 0
y^2_2 + x^3_6 + k_0= 0
[y^2_3] + [y^2_9] + y^2_12 + x^3_3 + k_5= 0
y^2_5 + [y^2_8] + [x^3_10] + k_6= 0
y^3_0 + x^4_4 + k_15= 0

y^3_3 + y^3_9 + y^3_12 + x^4_3 + k_14= 0
y^3_6 + y^3_9 + x^4_11 + k_10= 0
y^4_3 + [y^4_9] + [y^4_12] + x^5_3 + k_6= 0
y^4_4 + y^4_11 + x^5_9 + k_0= 0
y^5_3 + y^5_9 + [y^5_12] + [x^6_3] + k_12= 0
S(x^1_0) + y^1_0= 0
S(x^2_5) + y^2_5= 0
S(x^2_12) + y^2_12= 0
S(x^2_13) + y^2_13= 0
S(x^2_15) + y^2_15= 0
S(x^3_0) + y^3_0= 0
S(x^3_3) + y^3_3= 0
S(x^3_6) + y^3_6= 0
S(x^3_12) + y^3_12= 0
S(x^4_3) + y^4_3= 0
S(x^4_4) + y^4_4= 0
S(x^4_11) + y^4_11= 0
S(x^5_3) + y^5_3= 0
S(x^5_9) + y^5_9= 0
the 11 th Minimal Constraint set is:
y^1_1 + x^2_5 + k_15= 0
y^1_1 + y^1_11 + x^2_13 + k_15= 0
[y^1_4] + y^1_11 + [x^2_9] + k_10= 0
y^2_0 + y^2_10 + y^2_13 + x^3_0 + k_1= 0
y^2_0 + y^2_10 + x^3_12 + k_1= 0
y^2_5 + [y^2_8] + [x^3_10] + k_6= 0
y^3_0 + [y^3_10] + [x^4_12] + k_15= 0
y^3_3 + y^3_9 + y^3_12 + x^4_3 + k_14= 0
y^3_3 + y^3_9 + x^4_15 + k_14= 0
[y^3_7] + [y^3_10] + x^4_8 + k_13= 0
[y^4_2] + y^4_8 + y^4_15 + [x^5_2] + k_1= 0
y^4_3 + [y^4_9] + [x^5_15] + k_6= 0
S(x^2_5) + y^2_5= 0
S(x^2_13) + y^2_13= 0
S(x^3_0) + y^3_0= 0
S(x^3_12) + y^3_12= 0
S(x^4_3) + y^4_3= 0
S(x^4_8) + y^4_8= 0
S(x^4_15) + y^4_15= 0
the 12 th Minimal Constraint set is:
y^1_1 + x^2_5 + k_15= 0
y^1_1 + y^1_11 + x^2_13 + k_15= 0
[y^1_4] + y^1_11 + [x^2_9] + k_10= 0
y^2_0 + y^2_10 + y^2_13 + x^3_0 + k_1= 0

y^2_0 + y^2_10 + x^3_12 + k_1= 0
y^2_5 + [y^2_8] + [x^3_10] + k_6= 0
y^3_0 + [y^3_10] + [x^4_12] + k_15= 0
y^3_3 + y^3_9 + y^3_12 + x^4_3 + k_14= 0
y^3_3 + y^3_9 + x^4_15 + k_14= 0
[y^4_2] + y^4_8 + y^4_15 + [x^5_2] + k_1= 0
[y^4_2] + y^4_8 + [x^5_14] + k_1= 0
y^4_3 + [y^4_9] + [x^5_15] + k_6= 0
S(x^2_5) + y^2_5= 0
S(x^2_13) + y^2_13= 0
S(x^3_0) + y^3_0= 0
S(x^3_12) + y^3_12= 0
S(x^4_3) + y^4_3= 0
S(x^4_15) + y^4_15= 0
the 13 th Minimal Constraint set is:
[y^0_0] + y^0_10 + [y^0_13] + x^1_0 + k_0= 0
[y^0_0] + y^0_10 + [x^1_12] + k_0= 0
y^0_2 + y^0_8 + [y^0_15] + [x^1_2] + k_2= 0
y^0_2 + y^0_8 + x^1_14 + k_2= 0
[y^0_3] + [y^0_9] + x^1_15 + k_3= 0
y^1_0 + x^2_4 + k_9= 0
y^1_1 + y^1_11 + y^1_14 + x^2_1 + k_15= 0
y^1_1 + x^2_5 + k_15= 0
[y^1_2] + y^1_8 + y^1_15 + x^2_2 + k_8= 0
[y^1_2] + y^1_8 + x^2_14 + k_8= 0
[y^1_4] + y^1_11 + [x^2_9] + k_10= 0
y^2_1 + y^2_11 + y^2_14 + x^3_1 + k_7= 0
y^2_2 + x^3_6 + k_0= 0
y^2_4 + y^2_11 + x^3_9 + k_2= 0
y^2_5 + [y^2_8] + [x^3_10] + k_6= 0
y^3_1 + [y^3_11] + [y^3_14] + x^4_1 + k_11= 0
y^3_6 + y^3_9 + x^4_11 + k_10= 0
y^4_1 + y^4_11 + [y^4_14] + [x^5_1] + k_3= 0
S(x^1_0) + y^1_0= 0
S(x^1_14) + y^1_14= 0
S(x^1_15) + y^1_15= 0
S(x^2_1) + y^2_1= 0
S(x^2_2) + y^2_2= 0
S(x^2_4) + y^2_4= 0
S(x^2_5) + y^2_5= 0
S(x^2_14) + y^2_14= 0
S(x^3_1) + y^3_1= 0
S(x^3_6) + y^3_6= 0
S(x^3_9) + y^3_9= 0

S(x^4_1) + y^4_1= 0
S(x^4_11) + y^4_11= 0
the 14 th Minimal Constraint set is:
y^0_2 + y^0_8 + [y^0_15] + [x^1_2] + k_2= 0
y^0_2 + y^0_8 + x^1_14 + k_2= 0
y^1_0 + x^2_4 + k_9= 0
y^1_0 + y^1_10 + x^2_12 + k_9= 0
y^1_1 + y^1_11 + y^1_14 + x^2_1 + k_15= 0
y^1_1 + y^1_11 + x^2_13 + k_15= 0
[y^1_7] + y^1_10 + [x^2_8] + k_11= 0
y^2_0 + y^2_10 + y^2_13 + x^3_0 + k_1= 0
y^2_0 + y^2_10 + x^3_12 + k_1= 0
y^2_1 + y^2_11 + x^3_13 + k_7= 0
[y^2_3] + [y^2_9] + y^2_12 + x^3_3 + k_5= 0
y^2_4 + y^2_11 + x^3_9 + k_2= 0
y^3_0 + [y^3_10] + y^3_13 + [x^4_0] + k_15= 0
y^3_3 + y^3_9 + y^3_12 + x^4_3 + k_14= 0
y^4_3 + [y^4_9] + [x^5_15] + k_6= 0
S(x^1_14) + y^1_14= 0
S(x^2_1) + y^2_1= 0
S(x^2_4) + y^2_4= 0
S(x^2_12) + y^2_12= 0
S(x^2_13) + y^2_13= 0
S(x^3_0) + y^3_0= 0
S(x^3_3) + y^3_3= 0
S(x^3_9) + y^3_9= 0
S(x^3_12) + y^3_12= 0
S(x^3_13) + y^3_13= 0
S(x^4_3) + y^4_3= 0
the 15 th Minimal Constraint set is:
y^0_2 + y^0_8 + [y^0_15] + [x^1_2] + k_2= 0
y^0_2 + y^0_8 + x^1_14 + k_2= 0
[y^0_3] + [y^0_9] + x^1_15 + k_3= 0
y^1_0 + x^2_4 + k_9= 0
y^1_0 + y^1_10 + x^2_12 + k_9= 0
y^1_1 + y^1_11 + y^1_14 + x^2_1 + k_15= 0
y^1_1 + y^1_11 + x^2_13 + k_15= 0
[y^1_2] + y^1_8 + y^1_15 + x^2_2 + k_8= 0
[y^1_2] + y^1_8 + x^2_14 + k_8= 0
y^1_3 + y^1_9 + [y^1_12] + [x^2_3] + k_13= 0
y^1_3 + y^1_9 + x^2_15 + k_13= 0
[y^1_7] + y^1_10 + [x^2_8] + k_11= 0
y^2_0 + y^2_10 + y^2_13 + x^3_0 + k_1= 0
y^2_0 + y^2_10 + x^3_12 + k_1= 0

y^2_1 + y^2_11 + y^2_14 + x^3_1 + k_7= 0
y^2_2 + [y^2_8] + y^2_15 + [x^3_2] + k_0= 0
[y^2_3] + [y^2_9] + y^2_12 + x^3_3 + k_5= 0
y^2_4 + y^2_11 + x^3_9 + k_2= 0
y^3_0 + [y^3_10] + [x^4_12] + k_15= 0
y^3_1 + [y^3_11] + [x^4_13] + k_11= 0
y^3_3 + y^3_9 + y^3_12 + x^4_3 + k_14= 0
y^4_3 + [y^4_9] + [x^5_15] + k_6= 0
S(x^1_14) + y^1_14= 0
S(x^1_15) + y^1_15= 0
S(x^2_1) + y^2_1= 0
S(x^2_2) + y^2_2= 0
S(x^2_4) + y^2_4= 0
S(x^2_12) + y^2_12= 0
S(x^2_13) + y^2_13= 0
S(x^2_14) + y^2_14= 0
S(x^2_15) + y^2_15= 0
S(x^3_0) + y^3_0= 0
S(x^3_1) + y^3_1= 0
S(x^3_3) + y^3_3= 0
S(x^3_9) + y^3_9= 0
S(x^3_12) + y^3_12= 0
S(x^4_3) + y^4_3= 0
the 16 th Minimal Constraint set is:
[y^2_3] + [y^2_9] + x^3_15 + k_5= 0
[y^3_2] + y^3_8 + y^3_15 + [x^4_2] + k_9= 0
[y^3_2] + y^3_8 + [x^4_14] + k_9= 0
S(x^3_15) + y^3_15= 0
the 17 th Minimal Constraint set is:
y^1_3 + y^1_9 + [y^1_12] + [x^2_3] + k_13= 0
y^1_3 + y^1_9 + x^2_15 + k_13= 0
y^2_2 + [y^2_8] + y^2_15 + [x^3_2] + k_0= 0
y^2_2 + [y^2_8] + [x^3_14] + k_0= 0
S(x^2_15) + y^2_15= 0
the 18 th Minimal Constraint set is:
[y^1_2] + x^2_6 + k_8= 0
y^2_6 + [y^2_9] + [x^3_11] + k_4= 0
S(x^2_6) + y^2_6= 0
the 19 th Minimal Constraint set is:
[y^0_6] + [y^0_9] + x^1_11 + k_6= 0
[y^1_4] + y^1_11 + [x^2_9] + k_10= 0
S(x^1_11) + y^1_11= 0
the 20 th Minimal Constraint set is:
[y^0_0] + [x^1_4] + k_0= 0

the 21 th Minimal Constraint set is:
[y^0_3] + [x^1_7] + k_3= 0
the 22 th Minimal Constraint set is:
[y^2_3] + [x^3_7] + k_5= 0
the 23 th Minimal Constraint set is:
[y^3_2] + [x^4_6] + k_9= 0
the 24 th Minimal Constraint set is:
[y^4_0] + [x^5_4] + k_7= 0
the 25 th Minimal Constraint set is:
[y^4_2] + [x^5_6] + k_1= 0
the 26 th Minimal Constraint set is:
[y^4_6] + [y^4_9] + [x^5_11] + k_2= 0
the 27 th Minimal Constraint set is:
[y^5_1] + [y^5_11] + [y^5_14] + [x^6_1] + k_13= 0
the 28 th Minimal Constraint set is:
[y^5_1] + [x^6_5] + k_13= 0
the 29 th Minimal Constraint set is:
[y^5_2] + [x^6_6] + k_15= 0
the 30 th Minimal Constraint set is:
[y^5_4] + [y^5_11] + [x^6_9] + k_9= 0
the 31 th Minimal Constraint set is:
[y^6_1] + [x^7_5] + k_5= 0
the 32 th Minimal Constraint set is:
[y^6_3] + [x^7_7] + k_4= 0