

Verschachtelte quadratische Gleichungen zur Berechnung von $\cos(2\pi/65537)$

Als Basis wurde das Mathematica-File von Kenneth A. BRAKKE (<http://facstaff.susqu.edu/brakke/constructions/65537-gon.m.txt>) benutzt. Die Gleichungen wurden so umgeformt und umkodiert, dass sie der im Beitrag http://www.mathematik-olympiaden.de/public/17_257_65537/ verwendeten Notation der Restklassen entsprechen.

Mit Hilfe des Wurzelsatzes von VIETA ist bei bekannten Lösungen x_1 und x_2 einer quadratischen Gleichung mit $x_1 + x_2 = -p$ und $x_1 \cdot x_2 = q$ die normierte quadratische Gleichung $x^2 + px + q = 0$ darstellbar.

Die Bildungsvorschrift für den Term $x_1 + x_2$ ist leicht aus den Beispielen erkennbar: $B_0 + B_2 = A_0$, $B_1 + B_3 = A_1$, $C_0 + C_4 = B_0$, $C_1 + C_5 = B_1$, ..., $K_{24} + K_{536} = J_{24}$, ..., also:

$$\text{Verteilebene_mod_2}^{(n+1)} \text{ Restklasse_i} + \text{Verteilebene_mod_2}^{(n+1)} \text{ Restklasse_}(i+2^n)$$

$$= \text{Verteilebene_mod_2}^n \text{ Restklasse_i}$$

($n = 1, \dots, m-1$ mit $2^{(2^m)+1}$ FERMATsche Primzahl als Eckenanzahl, $i = 0, \dots, k$ mit $k=(2^n)/2$)

Aus diesem Grund wurde zur Platzersparnis nur $x_1 \cdot x_2$ in die Tabelle aufgenommen,

Ausnahme: $A_0 + A_1 = -1$.

Lösungen quadratischer Gleichungen, die für weitere Überlegungen nicht benötigt werden, sind mit doppeltem Durchstreichen (~~Muster~~) gekennzeichnet.

Wenn beide Lösungen einer quadratischen Gleichung später unbeachtet bleiben, wird die betreffende quadratische Gleichung nicht aufgeführt.

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A mod 2 **1 Gleichung** **$A_0 * A_1 = -16384$**

~~$A_0 * A_1 = -16384$~~

B mod 4 **2 Gleichungen** **$B_i * B_{i+2} = -4096$ ($i=0,1$)**

~~$B_0 * B_2 = 4096$~~

~~$B_1 * B_3 = 4096$~~

C mod 8 **4 Gleichungen**

$C_i * C_{i+4} = -16 * A_{i \text{ div } 2} - 32 * B_{(i \text{ mod } 2 + i \text{ div } 2)} - 1040$ ($i= 0,1,2,3$)

~~$C_0 * C_4 = 1040*-1 - 16*A_0 - 32*B_0$~~

~~$C_1 * C_5 = 1040*-1 - 16*A_0 - 32*B_2$~~

~~$C_2 * C_6 = 1040*-1 - 16*A_1 - 32*B_1$~~

~~$C_3 * C_7 = 1040*-1 - 16*A_1 - 32*B_3$~~

D mod 16 **8 Gleichungen**

$D_i * D_{i+8} = 19*A_{i \text{ mod } 2} + 32*B_{(i+3) \text{ mod } 4}$

+ $28*C_{(i \text{ mod } 2 + (i \text{ mod } 4) \text{ div } 2 + ((i \text{ mod } 4)+1)*5 + 4*(i \text{ div } 4) \text{ mod } 8}$

- $32*C_{((i+1) \text{ mod } 2 + ((i+1) \text{ mod } 4) \text{ div } 2 + 5*((i+1) \text{ mod } 4)+1) + 4*((i+1) \text{ mod } 8) \text{ div } 4) \text{ mod } 8}$

+ $16*C_{((i+2) \text{ mod } 2 + ((i+2) \text{ mod } 4) \text{ div } 2 + 5*((i+2) \text{ mod } 4)+1) + 4*((i+2) \text{ mod } 8) \text{ div } 4) \text{ mod } 8} - 237$

(i= 0,1, ..., 7)

D0 * D8 = 237*-1 + 19*A0 + 32*B3 + 28*C5 - 32*C3 + 16*C0
D1 * D9 = 237*-1 + 19*A1 + 32*B0 + 28*C3 - 32*C0 + 16*C6
D2 * D10 = 237*-1 + 19*A0 + 32*B1 + 28*C0 - 32*C6 + 16*C1
D3 * D11 = 237*-1 + 19*A1 + 32*B2 + 28*C6 - 32*C1 + 16*C7
D4 * D12 = 237*-1 + 19*A0 + 32*B3 + 28*C1 - 32*C7 + 16*C4
D5 * D13 = 237*-1 + 19*A1 + 32*B0 + 28*C7 - 32*C4 + 16*C2
D6 * D14 = 237*-1 + 19*A0 + 32*B1 + 28*C4 - 32*C2 + 16*C5
D7 * D15 = 237*-1 + 19*A1 + 32*B2 + 28*C2 - 32*C5 + 16*C3

E mod 32 **16 Gleichungen**

E0 * E16 = 70*-1 - 9*A0 + 4*B2 + 3*C5 - 6*C3 + 3*C0 - 12*C6 + 12*D0 -
2*D1 - 4*D2 + 6*D3 - 8*D4 - 10*D5 - 10*D7

E1 * E17 = 70*-1 - 9*A1 + 4*B3 + 3*C3 - 6*C0 + 3*C6 - 12*C1 + 12*D1 -
2*D2 - 4*D3 + 6*D4 - 8*D5 - 10*D6 - 10*D8

E2 * E18 = 70*-1 - 9*A0 + 4*B0 + 3*C0 - 6*C6 + 3*C1 - 12*C7 + 12*D2 -
2*D3 - 4*D4 + 6*D5 - 8*D6 - 10*D7 - 10*D9

E3 * E19 = 70*-1 - 9*A1 + 4*B1 + 3*C6 - 6*C1 + 3*C7 - 12*C4 + 12*D3 -
2*D4 - 4*D5 + 6*D6 - 8*D7 - 10*D8 - 10*D10

E4 * E20 = 70*-1 - 9*A0 + 4*B2 + 3*C1 - 6*C7 + 3*C4 - 12*C2 + 12*D4 -
2*D5 - 4*D6 + 6*D7 - 8*D8 - 10*D9 - 10*D11

E5 * E21 = 70*-1 - 9*A1 + 4*B3 + 3*C7 - 6*C4 + 3*C2 - 12*C5 + 12*D5 -
2*D6 - 4*D7 + 6*D8 - 8*D9 - 10*D10 - 10*D12

E6 * E22 = 70*-1 - 9*A0 + 4*B0 + 3*C4 - 6*C2 + 3*C5 - 12*C3 + 12*D6 -
2*D7 - 4*D8 + 6*D9 - 8*D10 - 10*D11 - 10*D13

E7 * E23 = 70*-1 - 9*A1 + 4*B1 + 3*C2 - 6*C5 + 3*C3 - 12*C0 + 12*D7 -
2*D8 - 4*D9 + 6*D10 - 8*D11 - 10*D12 - 10*D14

E8 * E24 = 70*-1 - 9*A0 + 4*B2 + 3*C5 - 6*C3 + 3*C0 - 12*C6 + 12*D8 -
2*D9 - 4*D10 + 6*D11 - 8*D12 - 10*D13 - 10*D15

E9 * E25 = 70*-1 - 9*A1 + 4*B3 + 3*C3 - 6*C0 + 3*C6 - 12*C1 + 12*D9 -
2*D10 - 4*D11 + 6*D12 - 8*D13 - 10*D14 - 10*D0

E10 * E26 = 70*-1 - 9*A0 + 4*B0 + 3*C0 - 6*C6 + 3*C1 - 12*C7 + 12*D10 -
2*D11 - 4*D12 + 6*D13 - 8*D14 - 10*D15 - 10*D1

E11 * E27 = 70*-1 - 9*A1 + 4*B1 + 3*C6 - 6*C1 + 3*C7 - 12*C4 + 12*D11 -
2*D12 - 4*D13 + 6*D14 - 8*D15 - 10*D0 - 10*D2

E12 * E28 = 70*-1 - 9*A0 + 4*B2 + 3*C1 - 6*C7 + 3*C4 - 12*C2 + 12*D12 -
2*D13 - 4*D14 + 6*D15 - 8*D0 - 10*D1 - 10*D3

E13 * E29 = 70*-1 - 9*A1 + 4*B3 + 3*C7 - 6*C4 + 3*C2 - 12*C5 + 12*D13 -
2*D14 - 4*D15 + 6*D0 - 8*D1 - 10*D2 - 10*D4

E14 * E30 = 70*-1 - 9*A0 + 4*B0 + 3*C4 - 6*C2 + 3*C5 - 12*C3 + 12*D14 -
2*D15 - 4*D0 + 6*D1 - 8*D2 - 10*D3 - 10*D5

$$E15 * E31 = 70^{-1} - 9*A1 + 4*B1 + 3*C2 - 6*C5 + 3*C3 - 12*C0 + 12*D15 - 2*D0 - 4*D1 + 6*D2 - 8*D3 - 10*D4 - 10*D6$$

F mod 64 32 Gleichungen

$$F0 * F32 = 11^{-1} + 2*A0 + 6*B3 + 16*C5 - 1*C3 - 6*C0 + 6*C6 - 9*D0 - 1*D1 + 18*D2 - 5*D3 + 3*D4 - 5*D5 + 3*D6 + 6*D7 - 16*E0 - 3*E1 - 5*E2 + 1*E3 + 4*E4 + 6*E5 + 2*E7 - 10*E8 + 6*E9 + 5*E10 + 5*E11 - 4*E13 - 2*E14 + 11*E15$$

$$F1 * F33 = 11^{-1} + 2*A1 + 6*B0 + 16*C3 - 1*C0 - 6*C6 + 6*C1 - 9*D1 - 1*D2 + 18*D3 - 5*D4 + 3*D5 - 5*D6 + 3*D7 + 6*D8 - 16*E1 - 3*E2 - 5*E3 + 1*E4 + 4*E5 + 6*E6 + 2*E8 - 10*E9 + 6*E10 + 5*E11 + 5*E12 - 4*E14 - 2*E15 + 11*E16$$

$$F2 * F34 = 11^{-1} + 2*A0 + 6*B1 + 16*C0 - 1*C6 - 6*C1 + 6*C7 - 9*D2 - 1*D3 + 18*D4 - 5*D5 + 3*D6 - 5*D7 + 3*D8 + 6*D9 - 16*E2 - 3*E3 - 5*E4 + 1*E5 + 4*E6 + 6*E7 + 2*E9 - 10*E10 + 6*E11 + 5*E12 + 5*E13 - 4*E15 - 2*E16 + 11*E17$$

$$F3 * F35 = 11^{-1} + 2*A1 + 6*B2 + 16*C6 - 1*C1 - 6*C7 + 6*C4 - 9*D3 - 1*D4 + 18*D5 - 5*D6 + 3*D7 - 5*D8 + 3*D9 + 6*D10 - 16*E3 - 3*E4 - 5*E5 + 1*E6 + 4*E7 + 6*E8 + 2*E10 - 10*E11 + 6*E12 + 5*E13 + 5*E14 - 4*E16 - 2*E17 + 11*E18$$

$$F4 * F36 = 11^{-1} + 2*A0 + 6*B3 + 16*C1 - 1*C7 - 6*C4 + 6*C2 - 9*D4 - 1*D5 + 18*D6 - 5*D7 + 3*D8 - 5*D9 + 3*D10 + 6*D11 - 16*E4 - 3*E5 - 5*E6 + 1*E7 + 4*E8 + 6*E9 + 2*E11 - 10*E12 + 6*E13 + 5*E14 + 5*E15 - 4*E17 - 2*E18 + 11*E19$$

$$F5 * F37 = 11^{-1} + 2*A1 + 6*B0 + 16*C7 - 1*C4 - 6*C2 + 6*C5 - 9*D5 - 1*D6 + 18*D7 - 5*D8 + 3*D9 - 5*D10 + 3*D11 + 6*D12 - 16*E5 - 3*E6 - 5*E7 + 1*E8 + 4*E9 + 6*E10 + 2*E12 - 10*E13 + 6*E14 + 5*E15 + 5*E16 - 4*E18 - 2*E19 + 11*E20$$

$$F6 * F38 = 11^{-1} + 2*A0 + 6*B1 + 16*C4 - 1*C2 - 6*C5 + 6*C3 - 9*D6 - 1*D7 + 18*D8 - 5*D9 + 3*D10 - 5*D11 + 3*D12 + 6*D13 - 16*E6 - 3*E7 - 5*E8 + 1*E9 + 4*E10 + 6*E11 + 2*E13 - 10*E14 + 6*E15 + 5*E16 + 5*E17 - 4*E19 - 2*E20 + 11*E21$$

$$F7 * F39 = 11^{-1} + 2*A1 + 6*B2 + 16*C2 - 1*C5 - 6*C3 + 6*C0 - 9*D7 - 1*D8 + 18*D9 - 5*D10 + 3*D11 - 5*D12 + 3*D13 + 6*D14 - 16*E7 - 3*E8 - 5*E9 + 1*E10 + 4*E11 + 6*E12 + 2*E14 - 10*E15 + 6*E16 + 5*E17 + 5*E18 - 4*E20 - 2*E21 + 11*E22$$

$$F8 * F40 = 11^{-1} + 2*A0 + 6*B3 + 16*C5 - 1*C3 - 6*C0 + 6*C6 - 9*D8 - 1*D9 + 18*D10 - 5*D11 + 3*D12 - 5*D13 + 3*D14 + 6*D15 - 16*E8 - 3*E9 - 5*E10 + 1*E11 + 4*E12 + 6*E13 + 2*E15 - 10*E16 + 6*E17 + 5*E18 + 5*E19 - 4*E21 - 2*E22 + 11*E23$$

$$F9 * F41 = 11^{-1} + 2*A1 + 6*B0 + 16*C3 - 1*C0 - 6*C6 + 6*C1 - 9*D9 - 1*D10 + 18*D11 - 5*D12 + 3*D13 - 5*D14 + 3*D15 + 6*D0 - 16*E9 - 3*E10 - 5*E11 + 1*E12 + 4*E13 + 6*E14 + 2*E16 - 10*E17 + 6*E18 + 5*E19 + 5*E20 - 4*E22 - 2*E23 + 11*E24$$

$$F10 * F42 = 11^{-1} + 2*A0 + 6*B1 + 16*C0 - 1*C6 - 6*C1 + 6*C7 - 9*D10 - 1*D11 + 18*D12 - 5*D13 + 3*D14 - 5*D15 + 3*D0 + 6*D1 - 16*E10 - 3*E11 -$$

$$5^*E12 + 1^*E13 + 4^*E14 + 6^*E15 + 2^*E17 - 10^*E18 + 6^*E19 + 5^*E20 + 5^*E21 - 4^*E23 - 2^*E24 + 11^*E25$$

$$F11 * F43 = 11^{*-1} + 2^*A1 + 6^*B2 + 16^*C6 - 1^*C1 - 6^*C7 + 6^*C4 - 9^*D11 - 1^*D12 + 18^*D13 - 5^*D14 + 3^*D15 - 5^*D0 + 3^*D1 + 6^*D2 - 16^*E11 - 3^*E12 - 5^*E13 + 1^*E14 + 4^*E15 + 6^*E16 + 2^*E18 - 10^*E19 + 6^*E20 + 5^*E21 + 5^*E22 - 4^*E24 - 2^*E25 + 11^*E26$$

$$F12 * F44 = 11^{*-1} + 2^*A0 + 6^*B3 + 16^*C1 - 1^*C7 - 6^*C4 + 6^*C2 - 9^*D12 - 1^*D13 + 18^*D14 - 5^*D15 + 3^*D0 - 5^*D1 + 3^*D2 + 6^*D3 - 16^*E12 - 3^*E13 - 5^*E14 + 1^*E15 + 4^*E16 + 6^*E17 + 2^*E19 - 10^*E20 + 6^*E21 + 5^*E22 + 5^*E23 - 4^*E25 - 2^*E26 + 11^*E27$$

$$F13 * F45 = 11^{*-1} + 2^*A1 + 6^*B0 + 16^*C7 - 1^*C4 - 6^*C2 + 6^*C5 - 9^*D13 - 1^*D14 + 18^*D15 - 5^*D0 + 3^*D1 - 5^*D2 + 3^*D3 + 6^*D4 - 16^*E13 - 3^*E14 - 5^*E15 + 1^*E16 + 4^*E17 + 6^*E18 + 2^*E20 - 10^*E21 + 6^*E22 + 5^*E23 + 5^*E24 - 4^*E26 - 2^*E27 + 11^*E28$$

$$F14 * F46 = 11^{*-1} + 2^*A0 + 6^*B1 + 16^*C4 - 1^*C2 - 6^*C5 + 6^*C3 - 9^*D14 - 1^*D15 + 18^*D0 - 5^*D1 + 3^*D2 - 5^*D3 + 3^*D4 + 6^*D5 - 16^*E14 - 3^*E15 - 5^*E16 + 1^*E17 + 4^*E18 + 6^*E19 + 2^*E21 - 10^*E22 + 6^*E23 + 5^*E24 + 5^*E25 - 4^*E27 - 2^*E28 + 11^*E29$$

$$F15 * F47 = 11^{*-1} + 2^*A1 + 6^*B2 + 16^*C2 - 1^*C5 - 6^*C3 + 6^*C0 - 9^*D15 - 1^*D0 + 18^*D1 - 5^*D2 + 3^*D3 - 5^*D4 + 3^*D5 + 6^*D6 - 16^*E15 - 3^*E16 - 5^*E17 + 1^*E18 + 4^*E19 + 6^*E20 + 2^*E22 - 10^*E23 + 6^*E24 + 5^*E25 + 5^*E26 - 4^*E28 - 2^*E29 + 11^*E30$$

$$F16 * F48 = 11^{*-1} + 2^*A0 + 6^*B3 + 16^*C5 - 1^*C3 - 6^*C0 + 6^*C6 - 9^*D0 - 1^*D1 + 18^*D2 - 5^*D3 + 3^*D4 - 5^*D5 + 3^*D6 + 6^*D7 - 16^*E16 - 3^*E17 - 5^*E18 + 1^*E19 + 4^*E20 + 6^*E21 + 2^*E23 - 10^*E24 + 6^*E25 + 5^*E26 + 5^*E27 - 4^*E29 - 2^*E30 + 11^*E31$$

$$F17 * F49 = 11^{*-1} + 2^*A1 + 6^*B0 + 16^*C3 - 1^*C0 - 6^*C6 + 6^*C1 - 9^*D1 - 1^*D2 + 18^*D3 - 5^*D4 + 3^*D5 - 5^*D6 + 3^*D7 + 6^*D8 - 16^*E17 - 3^*E18 - 5^*E19 + 1^*E20 + 4^*E21 + 6^*E22 + 2^*E24 - 10^*E25 + 6^*E26 + 5^*E27 + 5^*E28 - 4^*E30 - 2^*E31 + 11^*E0$$

$$F18 * F50 = 11^{*-1} + 2^*A0 + 6^*B1 + 16^*C0 - 1^*C6 - 6^*C1 + 6^*C7 - 9^*D2 - 1^*D3 + 18^*D4 - 5^*D5 + 3^*D6 - 5^*D7 + 3^*D8 + 6^*D9 - 16^*E18 - 3^*E19 - 5^*E20 + 1^*E21 + 4^*E22 + 6^*E23 + 2^*E25 - 10^*E26 + 6^*E27 + 5^*E28 + 5^*E29 - 4^*E31 - 2^*E0 + 11^*E1$$

$$F19 * F51 = 11^{*-1} + 2^*A1 + 6^*B2 + 16^*C6 - 1^*C1 - 6^*C7 + 6^*C4 - 9^*D3 - 1^*D4 + 18^*D5 - 5^*D6 + 3^*D7 - 5^*D8 + 3^*D9 + 6^*D10 - 16^*E19 - 3^*E20 - 5^*E21 + 1^*E22 + 4^*E23 + 6^*E24 + 2^*E26 - 10^*E27 + 6^*E28 + 5^*E29 + 5^*E30 - 4^*E0 - 2^*E1 + 11^*E2$$

$$F20 * F52 = 11^{*-1} + 2^*A0 + 6^*B3 + 16^*C1 - 1^*C7 - 6^*C4 + 6^*C2 - 9^*D4 - 1^*D5 + 18^*D6 - 5^*D7 + 3^*D8 - 5^*D9 + 3^*D10 + 6^*D11 - 16^*E20 - 3^*E21 - 5^*E22 + 1^*E23 + 4^*E24 + 6^*E25 + 2^*E27 - 10^*E28 + 6^*E29 + 5^*E30 + 5^*E31 - 4^*E1 - 2^*E2 + 11^*E3$$

$$F21 * F53 = 11^{*-1} + 2^*A1 + 6^*B0 + 16^*C7 - 1^*C4 - 6^*C2 + 6^*C5 - 9^*D5 - 1^*D6 + 18^*D7 - 5^*D8 + 3^*D9 - 5^*D10 + 3^*D11 + 6^*D12 - 16^*E21 - 3^*E22 - 5^*E23 + 1^*E24 + 4^*E25 + 6^*E26 + 2^*E28 - 10^*E29 + 6^*E30 + 5^*E31 + 5^*E0 - 4^*E2 - 2^*E3 + 11^*E4$$

$$F22 * F54 = 11^{*-1} + 2^*A0 + 6^*B1 + 16^*C4 - 1^*C2 - 6^*C5 + 6^*C3 - 9^*D6 - 1^*D7 + 18^*D8 - 5^*D9 + 3^*D10 - 5^*D11 + 3^*D12 + 6^*D13 - 16^*E22 - 3^*E23 -$$

$$5 * E24 + 1 * E25 + 4 * E26 + 6 * E27 + 2 * E29 - 10 * E30 + 6 * E31 + 5 * E0 + 5 * E1 - 4 * E3 - 2 * E4 + 11 * E5$$

$$F23 * F55 = 11^{-1} + 2 * A1 + 6 * B2 + 16 * C2 - 1 * C5 - 6 * C3 + 6 * C0 - 9 * D7 - 1 * D8 + 18 * D9 - 5 * D10 + 3 * D11 - 5 * D12 + 3 * D13 + 6 * D14 - 16 * E23 - 3 * E24 - 5 * E25 + 1 * E26 + 4 * E27 + 6 * E28 + 2 * E30 - 10 * E31 + 6 * E0 + 5 * E1 + 5 * E2 - 4 * E4 - 2 * E5 + 11 * E6$$

$$F24 * F56 = 11^{-1} + 2 * A0 + 6 * B3 + 16 * C5 - 1 * C3 - 6 * C0 + 6 * C6 - 9 * D8 - 1 * D9 + 18 * D10 - 5 * D11 + 3 * D12 - 5 * D13 + 3 * D14 + 6 * D15 - 16 * E24 - 3 * E25 - 5 * E26 + 1 * E27 + 4 * E28 + 6 * E29 + 2 * E31 - 10 * E0 + 6 * E1 + 5 * E2 + 5 * E3 - 4 * E5 - 2 * E6 + 11 * E7$$

$$F25 * F57 = 11^{-1} + 2 * A1 + 6 * B0 + 16 * C3 - 1 * C0 - 6 * C6 + 6 * C1 - 9 * D9 - 1 * D10 + 18 * D11 - 5 * D12 + 3 * D13 - 5 * D14 + 3 * D15 + 6 * D0 - 16 * E25 - 3 * E26 - 5 * E27 + 1 * E28 + 4 * E29 + 6 * E30 + 2 * E0 - 10 * E1 + 6 * E2 + 5 * E3 + 5 * E4 - 4 * E6 - 2 * E7 + 11 * E8$$

$$F26 * F58 = 11^{-1} + 2 * A0 + 6 * B1 + 16 * C0 - 1 * C6 - 6 * C1 + 6 * C7 - 9 * D10 - 1 * D11 + 18 * D12 - 5 * D13 + 3 * D14 - 5 * D15 + 3 * D0 + 6 * D1 - 16 * E26 - 3 * E27 - 5 * E28 + 1 * E29 + 4 * E30 + 6 * E31 + 2 * E1 - 10 * E2 + 6 * E3 + 5 * E4 + 5 * E5 - 4 * E7 - 2 * E8 + 11 * E9$$

$$F27 * F59 = 11^{-1} + 2 * A1 + 6 * B2 + 16 * C6 - 1 * C1 - 6 * C7 + 6 * C4 - 9 * D11 - 1 * D12 + 18 * D13 - 5 * D14 + 3 * D15 - 5 * D0 + 3 * D1 + 6 * D2 - 16 * E27 - 3 * E28 - 5 * E29 + 1 * E30 + 4 * E31 + 6 * E0 + 2 * E2 - 10 * E3 + 6 * E4 + 5 * E5 + 5 * E6 - 4 * E8 - 2 * E9 + 11 * E10$$

$$F28 * F60 = 11^{-1} + 2 * A0 + 6 * B3 + 16 * C1 - 1 * C7 - 6 * C4 + 6 * C2 - 9 * D12 - 1 * D13 + 18 * D14 - 5 * D15 + 3 * D0 - 5 * D1 + 3 * D2 + 6 * D3 - 16 * E28 - 3 * E29 - 5 * E30 + 1 * E31 + 4 * E0 + 6 * E1 + 2 * E3 - 10 * E4 + 6 * E5 + 5 * E6 + 5 * E7 - 4 * E9 - 2 * E10 + 11 * E11$$

$$F29 * F61 = 11^{-1} + 2 * A1 + 6 * B0 + 16 * C7 - 1 * C4 - 6 * C2 + 6 * C5 - 9 * D13 - 1 * D14 + 18 * D15 - 5 * D0 + 3 * D1 - 5 * D2 + 3 * D3 + 6 * D4 - 16 * E29 - 3 * E30 - 5 * E31 + 1 * E0 + 4 * E1 + 6 * E2 + 2 * E4 - 10 * E5 + 6 * E6 + 5 * E7 + 5 * E8 - 4 * E10 - 2 * E11 + 11 * E12$$

$$F30 * F62 = 11^{-1} + 2 * A0 + 6 * B1 + 16 * C4 - 1 * C2 - 6 * C5 + 6 * C3 - 9 * D14 - 1 * D15 + 18 * D0 - 5 * D1 + 3 * D2 - 5 * D3 + 3 * D4 + 6 * D5 - 16 * E30 - 3 * E31 - 5 * E0 + 1 * E1 + 4 * E2 + 6 * E3 + 2 * E5 - 10 * E6 + 6 * E7 + 5 * E8 + 5 * E9 - 4 * E11 - 2 * E12 + 11 * E13$$

$$F31 * F63 = 11^{-1} + 2 * A1 + 6 * B2 + 16 * C2 - 1 * C5 - 6 * C3 + 6 * C0 - 9 * D15 - 1 * D0 + 18 * D1 - 5 * D2 + 3 * D3 - 5 * D4 + 3 * D5 + 6 * D6 - 16 * E31 - 3 * E0 - 5 * E1 + 1 * E2 + 4 * E3 + 6 * E4 + 2 * E6 - 10 * E7 + 6 * E8 + 5 * E9 + 5 * E10 - 4 * E12 - 2 * E13 + 11 * E14$$

G mod 128 64 Gleichungen

$$G0 * G64 = 3^{-1} + 5 * A0 - 5 * B2 + 2 * B3 - 1 * C5 - 1 * C3 - 5 * C0 + 1 * C6 + 5 * D0 + 3 * D1 + 1 * D2 + 2 * D4 + 1 * D5 - 1 * D7 - 6 * E0 - 1 * E1 - 1 * E2 - 2 * E3 - 4 * E4 - 5 * E5 - 1 * E6 + 1 * E7 + 1 * E8 - 1 * E9 + 1 * E10 + 2 * E11 - 3 * E13 - 5 * E14 + 1 * E15 - 1 * F0 - 3 * F1 - 1 * F2 + 3 * F3 + 4 * F4 + 4 * F5 - 5 * F6 + 2 * F7 - 1 * F8 + 3 * F9 + 1 * F10 - 2 * F12 + 4 * F13 + 1 * F15 - 1 * F16 + 1 * F17 - 1 * F18 + 1 * F19 - 3 * F20 - 1 * F21 - 3 * F22 - 1 * F23 + 1 * F24 + 6 * F25 - 1 * F27 + 1 * F28 - 7 * F30 + 1 * F31$$

$$G1 * G65 = 3^{-1} + 5*A1 - 5*B3 + 2*B0 - 1*C3 - 1*C0 - 5*C6 + 1*C1 + 5*D1 + 3*D2 + 1*D3 + 2*D5 + 1*D6 - 1*D8 - 6*E1 - 1*E2 - 1*E3 - 2*E4 - 4*E5 - 5*E6 - 1*E7 + 1*E8 + 1*E9 - 1*E10 + 1*E11 + 2*E12 - 3*E14 - 5*E15 + 1*E16 - 1*F1 - 3*F2 - 1*F3 + 3*F4 + 4*F5 + 4*F6 - 5*F7 + 2*F8 - 1*F9 + 3*F10 + 1*F11 - 2*F13 + 4*F14 + 1*F16 - 1*F17 + 1*F18 - 1*F19 + 1*F20 - 3*F21 - 1*F22 - 3*F23 - 1*F24 + 1*F25 + 6*F26 - 1*F28 + 1*F29 - 7*F31 + 1*F32$$

$$G2 * G66 = 3^{-1} + 5*A0 - 5*B0 + 2*B1 - 1*C0 - 1*C6 - 5*C1 + 1*C7 + 5*D2 + 3*D3 + 1*D4 + 2*D6 + 1*D7 - 1*D9 - 6*E2 - 1*E3 - 1*E4 - 2*E5 - 4*E6 - 5*E7 - 1*E8 + 1*E9 + 1*E10 - 1*E11 + 1*E12 + 2*E13 - 3*E15 - 5*E16 + 1*E17 - 1*F2 - 3*F3 - 1*F4 + 3*F5 + 4*F6 + 4*F7 - 5*F8 + 2*F9 - 1*F10 + 3*F11 + 1*F12 - 2*F14 + 4*F15 + 1*F17 - 1*F18 + 1*F19 - 1*F20 + 1*F21 - 3*F22 - 1*F23 - 3*F24 - 1*F25 + 1*F26 + 6*F27 - 1*F29 + 1*F30 - 7*F32 + 1*F33$$

$$G3 * G67 = 3^{-1} + 5*A1 - 5*B1 + 2*B2 - 1*C6 - 1*C1 - 5*C7 + 1*C4 + 5*D3 + 3*D4 + 1*D5 + 2*D7 + 1*D8 - 1*D10 - 6*E3 - 1*E4 - 1*E5 - 2*E6 - 4*E7 - 5*E8 - 1*E9 + 1*E10 + 1*E11 - 1*E12 + 1*E13 + 2*E14 - 3*E16 - 5*E17 + 1*E18 - 1*F3 - 3*F4 - 1*F5 + 3*F6 + 4*F7 + 4*F8 - 5*F9 + 2*F10 - 1*F11 + 3*F12 + 1*F13 - 2*F15 + 4*F16 + 1*F18 - 1*F19 + 1*F20 - 1*F21 + 1*F22 - 3*F23 - 1*F24 - 3*F25 - 1*F26 + 1*F27 + 6*F28 - 1*F30 + 1*F31 - 7*F33 + 1*F34$$

$$G4 * G68 = 3^{-1} + 5*A0 - 5*B2 + 2*B3 - 1*C1 - 1*C7 - 5*C4 + 1*C2 + 5*D4 + 3*D5 + 1*D6 + 2*D8 + 1*D9 - 1*D11 - 6*E4 - 1*E5 - 1*E6 - 2*E7 - 4*E8 - 5*E9 - 1*E10 + 1*E11 + 1*E12 - 1*E13 + 1*E14 + 2*E15 - 3*E17 - 5*E18 + 1*E19 - 1*F4 - 3*F5 - 1*F6 + 3*F7 + 4*F8 + 4*F9 - 5*F10 + 2*F11 - 1*F12 + 3*F13 + 1*F14 - 2*F16 + 4*F17 + 1*F19 - 1*F20 + 1*F21 - 1*F22 + 1*F23 - 3*F24 - 1*F25 - 3*F26 - 1*F27 + 1*F28 + 6*F29 - 1*F31 + 1*F32 - 7*F34 + 1*F35$$

$$G5 * G69 = 3^{-1} + 5*A1 - 5*B3 + 2*B0 - 1*C7 - 1*C4 - 5*C2 + 1*C5 + 5*D5 + 3*D6 + 1*D7 + 2*D9 + 1*D10 - 1*D12 - 6*E5 - 1*E6 - 1*E7 - 2*E8 - 4*E9 - 5*E10 - 1*E11 + 1*E12 + 1*E13 - 1*E14 + 1*E15 + 2*E16 - 3*E18 - 5*E19 + 1*E20 - 1*F5 - 3*F6 - 1*F7 + 3*F8 + 4*F9 + 4*F10 - 5*F11 + 2*F12 - 1*F13 + 3*F14 + 1*F15 - 2*F17 + 4*F18 + 1*F20 - 1*F21 + 1*F22 - 1*F23 + 1*F24 - 3*F25 - 1*F26 - 3*F27 - 1*F28 + 1*F29 + 6*F30 - 1*F32 + 1*F33 - 7*F35 + 1*F36$$

$$G6 * G70 = 3^{-1} + 5*A0 - 5*B0 + 2*B1 - 1*C4 - 1*C2 - 5*C5 + 1*C3 + 5*D6 + 3*D7 + 1*D8 + 2*D10 + 1*D11 - 1*D13 - 6*E6 - 1*E7 - 1*E8 - 2*E9 - 4*E10 - 5*E11 - 1*E12 + 1*E13 + 1*E14 - 1*E15 + 1*E16 + 2*E17 - 3*E19 - 5*E20 + 1*E21 - 1*F6 - 3*F7 - 1*F8 + 3*F9 + 4*F10 + 4*F11 - 5*F12 + 2*F13 - 1*F14 + 3*F15 + 1*F16 - 2*F18 + 4*F19 + 1*F21 - 1*F22 + 1*F23 - 1*F24 + 1*F25 - 3*F26 - 1*F27 - 3*F28 - 1*F29 + 1*F30 + 6*F31 - 1*F33 + 1*F34 - 7*F36 + 1*F37$$

$$G7 * G71 = 3^{-1} + 5*A1 - 5*B1 + 2*B2 - 1*C2 - 1*C5 - 5*C3 + 1*C0 + 5*D7 + 3*D8 + 1*D9 + 2*D11 + 1*D12 - 1*D14 - 6*E7 - 1*E8 - 1*E9 - 2*E10 - 4*E11 - 5*E12 - 1*E13 + 1*E14 + 1*E15 - 1*E16 + 1*E17 + 2*E18 - 3*E20 - 5*E21 + 1*E22 - 1*F7 - 3*F8 - 1*F9 + 3*F10 + 4*F11 + 4*F12 - 5*F13 + 2*F14 - 1*F15 + 3*F16 + 1*F17 - 2*F19 + 4*F20 + 1*F22 - 1*F23 + 1*F24 - 1*F25 + 1*F26 - 3*F27 - 1*F28 - 3*F29 - 1*F30 + 1*F31 + 6*F32 - 1*F34 + 1*F35 - 7*F37 + 1*F38$$

$$G8 * G72 = 3^{-1} + 5*A0 - 5*B2 + 2*B3 - 1*C5 - 1*C3 - 5*C0 + 1*C6 + 5*D8 + 3*D9 + 1*D10 + 2*D12 + 1*D13 - 1*D15 - 6*E8 - 1*E9 - 1*E10 - 2*E11 - 4*E12 - 5*E13 - 1*E14 + 1*E15 + 1*E16 - 1*E17 + 1*E18 + 2*E19 - 3*E21 - 5*E22 + 1*E23 - 1*F8 - 3*F9 - 1*F10 + 3*F11 + 4*F12 + 4*F13 - 5*F14 + 2*F15 - 1*F16 + 3*F17 + 1*F18 - 2*F20 + 4*F21 + 1*F23 - 1*F24 + 1*F25 -$$

$$1 * F_{26} + 1 * F_{27} - 3 * F_{28} - 1 * F_{29} - 3 * F_{30} - 1 * F_{31} + 1 * F_{32} + 6 * F_{33} - 1 * F_{35} + 1 * F_{36} - 7 * F_{38} + 1 * F_{39}$$

$$G_9 * G_{73} = 3^{-1} + 5 * A_1 - 5 * B_3 + 2 * B_0 - 1 * C_3 - 1 * C_0 - 5 * C_6 + 1 * C_1 + 5 * D_9 + 3 * D_{10} + 1 * D_{11} + 2 * D_{13} + 1 * D_{14} - 1 * D_0 - 6 * E_9 - 1 * E_{10} - 1 * E_{11} - 2 * E_{12} - 4 * E_{13} - 5 * E_{14} - 1 * E_{15} + 1 * E_{16} + 1 * E_{17} - 1 * E_{18} + 1 * E_{19} + 2 * E_{20} - 3 * E_{22} - 5 * E_{23} + 1 * E_{24} - 1 * F_9 - 3 * F_{10} - 1 * F_{11} + 3 * F_{12} + 4 * F_{13} + 4 * F_{14} - 5 * F_{15} + 2 * F_{16} - 1 * F_{17} + 3 * F_{18} + 1 * F_{19} - 2 * F_{21} + 4 * F_{22} + 1 * F_{24} - 1 * F_{25} + 1 * F_{26} - 1 * F_{27} + 1 * F_{28} - 3 * F_{29} - 1 * F_{30} - 3 * F_{31} - 1 * F_{32} + 1 * F_{33} + 6 * F_{34} - 1 * F_{36} + 1 * F_{37} - 7 * F_{39} + 1 * F_{40}$$

$$G_{10} * G_{74} = 3^{-1} + 5 * A_0 - 5 * B_0 + 2 * B_1 - 1 * C_0 - 1 * C_6 - 5 * C_1 + 1 * C_7 + 5 * D_{10} + 3 * D_{11} + 1 * D_{12} + 2 * D_{14} + 1 * D_{15} - 1 * D_1 - 6 * E_{10} - 1 * E_{11} - 1 * E_{12} - 2 * E_{13} - 4 * E_{14} - 5 * E_{15} - 1 * E_{16} + 1 * E_{17} + 1 * E_{18} - 1 * E_{19} + 1 * E_{20} + 2 * E_{21} - 3 * E_{23} - 5 * E_{24} + 1 * E_{25} - 1 * F_{10} - 3 * F_{11} - 1 * F_{12} + 3 * F_{13} + 4 * F_{14} + 4 * F_{15} - 5 * F_{16} + 2 * F_{17} - 1 * F_{18} + 3 * F_{19} + 1 * F_{20} - 2 * F_{22} + 4 * F_{23} + 1 * F_{25} - 1 * F_{26} + 1 * F_{27} - 1 * F_{28} + 1 * F_{29} - 3 * F_{30} - 1 * F_{31} - 3 * F_{32} - 1 * F_{33} + 1 * F_{34} + 6 * F_{35} - 1 * F_{37} + 1 * F_{38} - 7 * F_{40} + 1 * F_{41}$$

$$G_{11} * G_{75} = 3^{-1} + 5 * A_1 - 5 * B_1 + 2 * B_2 - 1 * C_6 - 1 * C_1 - 5 * C_7 + 1 * C_4 + 5 * D_{11} + 3 * D_{12} + 1 * D_{13} + 2 * D_{15} + 1 * D_0 - 1 * D_2 - 6 * E_{11} - 1 * E_{12} - 1 * E_{13} - 2 * E_{14} - 4 * E_{15} - 5 * E_{16} - 1 * E_{17} + 1 * E_{18} + 1 * E_{19} - 1 * E_{20} + 1 * E_{21} + 2 * E_{22} - 3 * E_{24} - 5 * E_{25} + 1 * E_{26} - 1 * F_{11} - 3 * F_{12} - 1 * F_{13} + 3 * F_{14} + 4 * F_{15} + 4 * F_{16} - 5 * F_{17} + 2 * F_{18} - 1 * F_{19} + 3 * F_{20} + 1 * F_{21} - 2 * F_{23} + 4 * F_{24} + 1 * F_{26} - 1 * F_{27} + 1 * F_{28} - 1 * F_{29} + 1 * F_{30} - 3 * F_{31} - 1 * F_{32} - 3 * F_{33} - 1 * F_{34} + 1 * F_{35} + 6 * F_{36} - 1 * F_{38} + 1 * F_{39} - 7 * F_{41} + 1 * F_{42}$$

$$G_{12} * G_{76} = 3^{-1} + 5 * A_0 - 5 * B_2 + 2 * B_3 - 1 * C_1 - 1 * C_7 - 5 * C_4 + 1 * C_2 + 5 * D_{12} + 3 * D_{13} + 1 * D_{14} + 2 * D_0 + 1 * D_1 - 1 * D_3 - 6 * E_{12} - 1 * E_{13} - 1 * E_{14} - 2 * E_{15} - 4 * E_{16} - 5 * E_{17} - 1 * E_{18} + 1 * E_{19} + 1 * E_{20} - 1 * E_{21} + 1 * E_{22} + 2 * E_{23} - 3 * E_{25} - 5 * E_{26} + 1 * E_{27} - 1 * F_{12} - 3 * F_{13} - 1 * F_{14} + 3 * F_{15} + 4 * F_{16} + 4 * F_{17} - 5 * F_{18} + 2 * F_{19} - 1 * F_{20} + 3 * F_{21} + 1 * F_{22} - 2 * F_{24} + 4 * F_{25} + 1 * F_{27} - 1 * F_{28} + 1 * F_{29} - 1 * F_{30} + 1 * F_{31} - 3 * F_{32} - 1 * F_{33} - 3 * F_{34} - 1 * F_{35} + 1 * F_{36} + 6 * F_{37} - 1 * F_{39} + 1 * F_{40} - 7 * F_{42} + 1 * F_{43}$$

$$G_{13} * G_{77} = 3^{-1} + 5 * A_1 - 5 * B_3 + 2 * B_0 - 1 * C_7 - 1 * C_4 - 5 * C_2 + 1 * C_5 + 5 * D_{13} + 3 * D_{14} + 1 * D_{15} + 2 * D_1 + 1 * D_2 - 1 * D_4 - 6 * E_{13} - 1 * E_{14} - 1 * E_{15} - 2 * E_{16} - 4 * E_{17} - 5 * E_{18} - 1 * E_{19} + 1 * E_{20} + 1 * E_{21} - 1 * E_{22} + 1 * E_{23} + 2 * E_{24} - 3 * E_{26} - 5 * E_{27} + 1 * E_{28} - 1 * F_{13} - 3 * F_{14} - 1 * F_{15} + 3 * F_{16} + 4 * F_{17} + 4 * F_{18} - 5 * F_{19} + 2 * F_{20} - 1 * F_{21} + 3 * F_{22} + 1 * F_{23} - 2 * F_{25} + 4 * F_{26} + 1 * F_{28} - 1 * F_{29} + 1 * F_{30} - 1 * F_{31} + 1 * F_{32} - 3 * F_{33} - 1 * F_{34} - 3 * F_{35} - 1 * F_{36} + 1 * F_{37} + 6 * F_{38} - 1 * F_{40} + 1 * F_{41} - 7 * F_{43} + 1 * F_{44}$$

$$G_{14} * G_{78} = 3^{-1} + 5 * A_0 - 5 * B_0 + 2 * B_1 - 1 * C_4 - 1 * C_2 - 5 * C_5 + 1 * C_3 + 5 * D_{14} + 3 * D_{15} + 1 * D_0 + 2 * D_2 + 1 * D_3 - 1 * D_5 - 6 * E_{14} - 1 * E_{15} - 1 * E_{16} - 2 * E_{17} - 4 * E_{18} - 5 * E_{19} - 1 * E_{20} + 1 * E_{21} + 1 * E_{22} - 1 * E_{23} + 1 * E_{24} + 2 * E_{25} - 3 * E_{27} - 5 * E_{28} + 1 * E_{29} - 1 * F_{14} - 3 * F_{15} - 1 * F_{16} + 3 * F_{17} + 4 * F_{18} + 4 * F_{19} - 5 * F_{20} + 2 * F_{21} - 1 * F_{22} + 3 * F_{23} + 1 * F_{24} - 2 * F_{26} + 4 * F_{27} + 1 * F_{29} - 1 * F_{30} + 1 * F_{31} - 1 * F_{32} + 1 * F_{33} - 3 * F_{34} - 1 * F_{35} - 3 * F_{36} - 1 * F_{37} + 1 * F_{38} + 6 * F_{39} - 1 * F_{41} + 1 * F_{42} - 7 * F_{44} + 1 * F_{45}$$

$$G_{15} * G_{79} = 3^{-1} + 5 * A_1 - 5 * B_1 + 2 * B_2 - 1 * C_2 - 1 * C_5 - 5 * C_3 + 1 * C_0 + 5 * D_{15} + 3 * D_0 + 1 * D_1 + 2 * D_3 + 1 * D_4 - 1 * D_6 - 6 * E_{15} - 1 * E_{16} - 1 * E_{17} - 2 * E_{18} - 4 * E_{19} - 5 * E_{20} - 1 * E_{21} + 1 * E_{22} + 1 * E_{23} - 1 * E_{24} + 1 * E_{25} + 2 * E_{26} - 3 * E_{28} - 5 * E_{29} + 1 * E_{30} - 1 * F_{15} - 3 * F_{16} - 1 * F_{17} + 3 * F_{18} + 4 * F_{19} + 4 * F_{20} - 5 * F_{21} + 2 * F_{22} - 1 * F_{23} + 3 * F_{24} + 1 * F_{25} - 2 * F_{27} + 4 * F_{28} + 1 * F_{30} - 1 * F_{31} + 1 * F_{32} - 1 * F_{33} + 1 * F_{34} - 3 * F_{35} - 1 * F_{36} - 3 * F_{37} - 1 * F_{38} + 1 * F_{39} + 6 * F_{40} - 1 * F_{42} + 1 * F_{43} - 7 * F_{45} + 1 * F_{46}$$

$$\begin{aligned}
G16 * G80 = & 3^{-1} + 5*A0 - 5*B2 + 2*B3 - 1*C5 - 1*C3 - 5*C0 + 1*C6 + 5*D0 \\
& + 3*D1 + 1*D2 + 2*D4 + 1*D5 - 1*D7 - 6*E16 - 1*E17 - 1*E18 - 2*E19 - \\
& 4*E20 - 5*E21 - 1*E22 + 1*E23 + 1*E24 - 1*E25 + 1*E26 + 2*E27 - 3*E29 - \\
& 5*E30 + 1*E31 - 1*F16 - 3*F17 - 1*F18 + 3*F19 + 4*F20 + 4*F21 - 5*F22 + \\
& 2*F23 - 1*F24 + 3*F25 + 1*F26 - 2*F28 + 4*F29 + 1*F31 - 1*F32 + 1*F33 - \\
& 1*F34 + 1*F35 - 3*F36 - 1*F37 - 3*F38 - 1*F39 + 1*F40 + 6*F41 - 1*F43 + \\
& 1*F44 - 7*F46 + 1*F47
\end{aligned}$$

$$\begin{aligned}
G17 * G81 = & 3^{-1} + 5*A1 - 5*B3 + 2*B0 - 1*C3 - 1*C0 - 5*C6 + 1*C1 + 5*D1 \\
& + 3*D2 + 1*D3 + 2*D5 + 1*D6 - 1*D8 - 6*E17 - 1*E18 - 1*E19 - 2*E20 - \\
& 4*E21 - 5*E22 - 1*E23 + 1*E24 + 1*E25 - 1*E26 + 1*E27 + 2*E28 - 3*E30 - \\
& 5*E31 + 1*E0 - 1*F17 - 3*F18 - 1*F19 + 3*F20 + 4*F21 + 4*F22 - 5*F23 + \\
& 2*F24 - 1*F25 + 3*F26 + 1*F27 - 2*F29 + 4*F30 + 1*F32 - 1*F33 + 1*F34 - \\
& 1*F35 + 1*F36 - 3*F37 - 1*F38 - 3*F39 - 1*F40 + 1*F41 + 6*F42 - 1*F44 + \\
& 1*F45 - 7*F47 + 1*F48
\end{aligned}$$

$$\begin{aligned}
G18 * G82 = & 3^{-1} + 5*A0 - 5*B0 + 2*B1 - 1*C0 - 1*C6 - 5*C1 + 1*C7 + 5*D2 \\
& + 3*D3 + 1*D4 + 2*D6 + 1*D7 - 1*D9 - 6*E18 - 1*E19 - 1*E20 - 2*E21 - \\
& 4*E22 - 5*E23 - 1*E24 + 1*E25 + 1*E26 - 1*E27 + 1*E28 + 2*E29 - 3*E31 - \\
& 5*E0 + 1*E1 - 1*F18 - 3*F19 - 1*F20 + 3*F21 + 4*F22 + 4*F23 - 5*F24 + \\
& 2*F25 - 1*F26 + 3*F27 + 1*F28 - 2*F30 + 4*F31 + 1*F33 - 1*F34 + 1*F35 - \\
& 1*F36 + 1*F37 - 3*F38 - 1*F39 - 3*F40 - 1*F41 + 1*F42 + 6*F43 - 1*F45 + \\
& 1*F46 - 7*F48 + 1*F49
\end{aligned}$$

$$\begin{aligned}
G19 * G83 = & 3^{-1} + 5*A1 - 5*B1 + 2*B2 - 1*C6 - 1*C1 - 5*C7 + 1*C4 + 5*D3 \\
& + 3*D4 + 1*D5 + 2*D7 + 1*D8 - 1*D10 - 6*E19 - 1*E20 - 1*E21 - 2*E22 - \\
& 4*E23 - 5*E24 - 1*E25 + 1*E26 + 1*E27 - 1*E28 + 1*E29 + 2*E30 - 3*E0 - \\
& 5*E1 + 1*E2 - 1*F19 - 3*F20 - 1*F21 + 3*F22 + 4*F23 + 4*F24 - 5*F25 + \\
& 2*F26 - 1*F27 + 3*F28 + 1*F29 - 2*F31 + 4*F32 + 1*F34 - 1*F35 + 1*F36 - \\
& 1*F37 + 1*F38 - 3*F39 - 1*F40 - 3*F41 - 1*F42 + 1*F43 + 6*F44 - 1*F46 + \\
& 1*F47 - 7*F49 + 1*F50
\end{aligned}$$

$$\begin{aligned}
G20 * G84 = & 3^{-1} + 5*A0 - 5*B2 + 2*B3 - 1*C1 - 1*C7 - 5*C4 + 1*C2 + 5*D4 \\
& + 3*D5 + 1*D6 + 2*D8 + 1*D9 - 1*D11 - 6*E20 - 1*E21 - 1*E22 - 2*E23 - \\
& 4*E24 - 5*E25 - 1*E26 + 1*E27 + 1*E28 - 1*E29 + 1*E30 + 2*E31 - 3*E1 - \\
& 5*E2 + 1*E3 - 1*F20 - 3*F21 - 1*F22 + 3*F23 + 4*F24 + 4*F25 - 5*F26 + \\
& 2*F27 - 1*F28 + 3*F29 + 1*F30 - 2*F32 + 4*F33 + 1*F35 - 1*F36 + 1*F37 - \\
& 1*F38 + 1*F39 - 3*F40 - 1*F41 - 3*F42 - 1*F43 + 1*F44 + 6*F45 - 1*F47 + \\
& 1*F48 - 7*F50 + 1*F51
\end{aligned}$$

$$\begin{aligned}
G21 * G85 = & 3^{-1} + 5*A1 - 5*B3 + 2*B0 - 1*C7 - 1*C4 - 5*C2 + 1*C5 + 5*D5 \\
& + 3*D6 + 1*D7 + 2*D9 + 1*D10 - 1*D12 - 6*E21 - 1*E22 - 1*E23 - 2*E24 - \\
& 4*E25 - 5*E26 - 1*E27 + 1*E28 + 1*E29 - 1*E30 + 1*E31 + 2*E0 - 3*E2 - \\
& 5*E3 + 1*E4 - 1*F21 - 3*F22 - 1*F23 + 3*F24 + 4*F25 + 4*F26 - 5*F27 + \\
& 2*F28 - 1*F29 + 3*F30 + 1*F31 - 2*F33 + 4*F34 + 1*F36 - 1*F37 + 1*F38 - \\
& 1*F39 + 1*F40 - 3*F41 - 1*F42 - 3*F43 - 1*F44 + 1*F45 + 6*F46 - 1*F48 + \\
& 1*F49 - 7*F51 + 1*F52
\end{aligned}$$

$$\begin{aligned}
G22 * G86 = & 3^{-1} + 5*A0 - 5*B0 + 2*B1 - 1*C4 - 1*C2 - 5*C5 + 1*C3 + 5*D6 \\
& + 3*D7 + 1*D8 + 2*D10 + 1*D11 - 1*D13 - 6*E22 - 1*E23 - 1*E24 - 2*E25 - \\
& 4*E26 - 5*E27 - 1*E28 + 1*E29 + 1*E30 - 1*E31 + 1*E0 + 2*E1 - 3*E3 - 5*E4 \\
& + 1*E5 - 1*F22 - 3*F23 - 1*F24 + 3*F25 + 4*F26 + 4*F27 - 5*F28 + 2*F29 - \\
& 1*F30 + 3*F31 + 1*F32 - 2*F34 + 4*F35 + 1*F37 - 1*F38 + 1*F39 - 1*F40 + \\
& 1*F41 - 3*F42 - 1*F43 - 3*F44 - 1*F45 + 1*F46 + 6*F47 - 1*F49 + 1*F50 - \\
& 7*F52 + 1*F53
\end{aligned}$$

$$\begin{aligned}
G23 * G87 = & 3^{-1} + 5*A1 - 5*B1 + 2*B2 - 1*C2 - 1*C5 - 5*C3 + 1*C0 + 5*D7 \\
& + 3*D8 + 1*D9 + 2*D11 + 1*D12 - 1*D14 - 6*E23 - 1*E24 - 1*E25 - 2*E26 - \\
& 4*E27 - 5*E28 - 1*E29 + 1*E30 + 1*E31 - 1*E0 + 1*E1 + 2*E2 - 3*E4 - 5*E5 \\
& + 1*E6 - 1*F23 - 3*F24 - 1*F25 + 3*F26 + 4*F27 + 4*F28 - 5*F29 + 2*F30 -
\end{aligned}$$

$$1 * F_{31} + 3 * F_{32} + 1 * F_{33} - 2 * F_{35} + 4 * F_{36} + 1 * F_{38} - 1 * F_{39} + 1 * F_{40} - 1 * F_{41} + 1 * F_{42} - 3 * F_{43} - 1 * F_{44} - 3 * F_{45} - 1 * F_{46} + 1 * F_{47} + 6 * F_{48} - 1 * F_{50} + 1 * F_{51} - 7 * F_{53} + 1 * F_{54}$$

$$G_{24} * G_{88} = 3^{-1} + 5 * A_0 - 5 * B_2 + 2 * B_3 - 1 * C_5 - 1 * C_3 - 5 * C_0 + 1 * C_6 + 5 * D_8 + 3 * D_9 + 1 * D_{10} + 2 * D_{12} + 1 * D_{13} - 1 * D_{15} - 6 * E_{24} - 1 * E_{25} - 1 * E_{26} - 2 * E_{27} - 4 * E_{28} - 5 * E_{29} - 1 * E_{30} + 1 * E_{31} + 1 * E_0 - 1 * E_1 + 1 * E_2 + 2 * E_3 - 3 * E_5 - 5 * E_6 + 1 * E_7 - 1 * F_{24} - 3 * F_{25} - 1 * F_{26} + 3 * F_{27} + 4 * F_{28} + 4 * F_{29} - 5 * F_{30} + 2 * F_{31} - 1 * F_{32} + 3 * F_{33} + 1 * F_{34} - 2 * F_{36} + 4 * F_{37} + 1 * F_{39} - 1 * F_{40} + 1 * F_{41} - 1 * F_{42} + 1 * F_{43} - 3 * F_{44} - 1 * F_{45} - 3 * F_{46} - 1 * F_{47} + 1 * F_{48} + 6 * F_{49} - 1 * F_{51} + 1 * F_{52} - 7 * F_{54} + 1 * F_{55}$$

$$G_{25} * G_{89} = 3^{-1} + 5 * A_1 - 5 * B_3 + 2 * B_0 - 1 * C_3 - 1 * C_0 - 5 * C_6 + 1 * C_1 + 5 * D_9 + 3 * D_{10} + 1 * D_{11} + 2 * D_{13} + 1 * D_{14} - 1 * D_0 - 6 * E_{25} - 1 * E_{26} - 1 * E_{27} - 2 * E_{28} - 4 * E_{29} - 5 * E_{30} - 1 * E_{31} + 1 * E_0 + 1 * E_1 - 1 * E_2 + 1 * E_3 + 2 * E_4 - 3 * E_6 - 5 * E_7 + 1 * E_8 - 1 * F_{25} - 3 * F_{26} - 1 * F_{27} + 3 * F_{28} + 4 * F_{29} + 4 * F_{30} - 5 * F_{31} + 2 * F_{32} - 1 * F_{33} + 3 * F_{34} + 1 * F_{35} - 2 * F_{37} + 4 * F_{38} + 1 * F_{40} - 1 * F_{41} + 1 * F_{42} - 1 * F_{43} + 1 * F_{44} - 3 * F_{45} - 1 * F_{46} - 3 * F_{47} - 1 * F_{48} + 1 * F_{49} + 6 * F_{50} - 1 * F_{52} + 1 * F_{53} - 7 * F_{55} + 1 * F_{56}$$

$$G_{26} * G_{90} = 3^{-1} + 5 * A_0 - 5 * B_0 + 2 * B_1 - 1 * C_0 - 1 * C_6 - 5 * C_1 + 1 * C_7 + 5 * D_{10} + 3 * D_{11} + 1 * D_{12} + 2 * D_{14} + 1 * D_{15} - 1 * D_1 - 6 * E_{26} - 1 * E_{27} - 1 * E_{28} - 2 * E_{29} - 4 * E_{30} - 5 * E_{31} - 1 * E_0 + 1 * E_1 + 1 * E_2 - 1 * E_3 + 1 * E_4 + 2 * E_5 - 3 * E_7 - 5 * E_8 + 1 * E_9 - 1 * F_{26} - 3 * F_{27} - 1 * F_{28} + 3 * F_{29} + 4 * F_{30} + 4 * F_{31} - 5 * F_{32} + 2 * F_{33} - 1 * F_{34} + 3 * F_{35} + 1 * F_{36} - 2 * F_{38} + 4 * F_{39} + 1 * F_{41} - 1 * F_{42} + 1 * F_{43} - 1 * F_{44} + 1 * F_{45} - 3 * F_{46} - 1 * F_{47} - 3 * F_{48} - 1 * F_{49} + 1 * F_{50} + 6 * F_{51} - 1 * F_{53} + 1 * F_{54} - 7 * F_{56} + 1 * F_{57}$$

$$G_{27} * G_{91} = 3^{-1} + 5 * A_1 - 5 * B_1 + 2 * B_2 - 1 * C_6 - 1 * C_1 - 5 * C_7 + 1 * C_4 + 5 * D_{11} + 3 * D_{12} + 1 * D_{13} + 2 * D_{15} + 1 * D_0 - 1 * D_2 - 6 * E_{27} - 1 * E_{28} - 1 * E_{29} - 2 * E_{30} - 4 * E_{31} - 5 * E_0 - 1 * E_1 + 1 * E_2 + 1 * E_3 - 1 * E_4 + 1 * E_5 + 2 * E_6 - 3 * E_8 - 5 * E_9 + 1 * E_{10} - 1 * F_{27} - 3 * F_{28} - 1 * F_{29} + 3 * F_{30} + 4 * F_{31} + 4 * F_{32} - 5 * F_{33} + 2 * F_{34} - 1 * F_{35} + 3 * F_{36} + 1 * F_{37} - 2 * F_{39} + 4 * F_{40} + 1 * F_{42} - 1 * F_{43} + 1 * F_{44} - 1 * F_{45} + 1 * F_{46} - 3 * F_{47} - 1 * F_{48} - 3 * F_{49} - 1 * F_{50} + 1 * F_{51} + 6 * F_{52} - 1 * F_{54} + 1 * F_{55} - 7 * F_{57} + 1 * F_{58}$$

$$G_{28} * G_{92} = 3^{-1} + 5 * A_0 - 5 * B_2 + 2 * B_3 - 1 * C_1 - 1 * C_7 - 5 * C_4 + 1 * C_2 + 5 * D_{12} + 3 * D_{13} + 1 * D_{14} + 2 * D_0 + 1 * D_1 - 1 * D_3 - 6 * E_{28} - 1 * E_{29} - 1 * E_{30} - 2 * E_{31} - 4 * E_0 - 5 * E_1 - 1 * E_2 + 1 * E_3 + 1 * E_4 - 1 * E_5 + 1 * E_6 + 2 * E_7 - 3 * E_9 - 5 * E_{10} + 1 * E_{11} - 1 * F_{28} - 3 * F_{29} - 1 * F_{30} + 3 * F_{31} + 4 * F_{32} + 4 * F_{33} - 5 * F_{34} + 2 * F_{35} - 1 * F_{36} + 3 * F_{37} + 1 * F_{38} - 2 * F_{40} + 4 * F_{41} + 1 * F_{43} - 1 * F_{44} + 1 * F_{45} - 1 * F_{46} + 1 * F_{47} - 3 * F_{48} - 1 * F_{49} - 3 * F_{50} - 1 * F_{51} + 1 * F_{52} + 6 * F_{53} - 1 * F_{55} + 1 * F_{56} - 7 * F_{58} + 1 * F_{59}$$

$$G_{29} * G_{93} = 3^{-1} + 5 * A_1 - 5 * B_3 + 2 * B_0 - 1 * C_7 - 1 * C_4 - 5 * C_2 + 1 * C_5 + 5 * D_{13} + 3 * D_{14} + 1 * D_{15} + 2 * D_1 + 1 * D_2 - 1 * D_4 - 6 * E_{29} - 1 * E_{30} - 1 * E_{31} - 2 * E_0 - 4 * E_1 - 5 * E_2 - 1 * E_3 + 1 * E_4 + 1 * E_5 - 1 * E_6 + 1 * E_7 + 2 * E_8 - 3 * E_{10} - 5 * E_{11} + 1 * E_{12} - 1 * F_{29} - 3 * F_{30} - 1 * F_{31} + 3 * F_{32} + 4 * F_{33} + 4 * F_{34} - 5 * F_{35} + 2 * F_{36} - 1 * F_{37} + 3 * F_{38} + 1 * F_{39} - 2 * F_{41} + 4 * F_{42} + 1 * F_{44} - 1 * F_{45} + 1 * F_{46} - 1 * F_{47} + 1 * F_{48} - 3 * F_{49} - 1 * F_{50} - 3 * F_{51} - 1 * F_{52} + 1 * F_{53} + 6 * F_{54} - 1 * F_{56} + 1 * F_{57} - 7 * F_{59} + 1 * F_{60}$$

$$G_{30} * G_{94} = 3^{-1} + 5 * A_0 - 5 * B_0 + 2 * B_1 - 1 * C_4 - 1 * C_2 - 5 * C_5 + 1 * C_3 + 5 * D_{14} + 3 * D_{15} + 1 * D_0 + 2 * D_2 + 1 * D_3 - 1 * D_5 - 6 * E_{30} - 1 * E_{31} - 1 * E_0 - 2 * E_1 - 4 * E_2 - 5 * E_3 - 1 * E_4 + 1 * E_5 + 1 * E_6 - 1 * E_7 + 1 * E_8 + 2 * E_9 - 3 * E_{11} - 5 * E_{12} + 1 * E_{13} - 1 * F_{30} - 3 * F_{31} - 1 * F_{32} + 3 * F_{33} + 4 * F_{34} + 4 * F_{35} - 5 * F_{36} + 2 * F_{37} - 1 * F_{38} + 3 * F_{39} + 1 * F_{40} - 2 * F_{42} + 4 * F_{43} + 1 * F_{45} - 1 * F_{46} + 1 * F_{47} - 1 * F_{48} + 1 * F_{49} - 3 * F_{50} - 1 * F_{51} - 3 * F_{52} - 1 * F_{53} + 1 * F_{54} + 6 * F_{55} - 1 * F_{57} + 1 * F_{58} - 7 * F_{60} + 1 * F_{61}$$

$$\begin{aligned}
G31 * G95 = & 3^{*-1} + 5*A1 - 5*B1 + 2*B2 - 1*C2 - 1*C5 - 5*C3 + 1*C0 + 5*D15 \\
& + 3*D0 + 1*D1 + 2*D3 + 1*D4 - 1*D6 - 6*E31 - 1*E0 - 1*E1 - 2*E2 - 4*E3 - \\
& 5*E4 - 1*E5 + 1*E6 + 1*E7 - 1*E8 + 1*E9 + 2*E10 - 3*E12 - 5*E13 + 1*E14 - \\
& 1*F31 - 3*F32 - 1*F33 + 3*F34 + 4*F35 + 4*F36 - 5*F37 + 2*F38 - 1*F39 + \\
& 3*F40 + 1*F41 - 2*F43 + 4*F44 + 1*F46 - 1*F47 + 1*F48 - 1*F49 + 1*F50 - \\
& 3*F51 - 1*F52 - 3*F53 - 1*F54 + 1*F55 + 6*F56 - 1*F58 + 1*F59 - 7*F61 + \\
& 1*F62
\end{aligned}$$

$$\begin{aligned}
G32 * G96 = & 3^{*-1} + 5*A0 - 5*B2 + 2*B3 - 1*C5 - 1*C3 - 5*C0 + 1*C6 + 5*D0 \\
& + 3*D1 + 1*D2 + 2*D4 + 1*D5 - 1*D7 - 6*E0 - 1*E1 - 1*E2 - 2*E3 - 4*E4 - \\
& 5*E5 - 1*E6 + 1*E7 + 1*E8 - 1*E9 + 1*E10 + 2*E11 - 3*E13 - 5*E14 + 1*E15 \\
& - 1*F32 - 3*F33 - 1*F34 + 3*F35 + 4*F36 + 4*F37 - 5*F38 + 2*F39 - 1*F40 + \\
& 3*F41 + 1*F42 - 2*F44 + 4*F45 + 1*F47 - 1*F48 + 1*F49 - 1*F50 + 1*F51 - \\
& 3*F52 - 1*F53 - 3*F54 - 1*F55 + 1*F56 + 6*F57 - 1*F59 + 1*F60 - 7*F62 + \\
& 1*F63
\end{aligned}$$

$$\begin{aligned}
G33 * G97 = & 3^{*-1} + 5*A1 - 5*B3 + 2*B0 - 1*C3 - 1*C0 - 5*C6 + 1*C1 + 5*D1 \\
& + 3*D2 + 1*D3 + 2*D5 + 1*D6 - 1*D8 - 6*E1 - 1*E2 - 1*E3 - 2*E4 - 4*E5 - \\
& 5*E6 - 1*E7 + 1*E8 + 1*E9 - 1*E10 + 1*E11 + 2*E12 - 3*E14 - 5*E15 + 1*E16 \\
& - 1*F33 - 3*F34 - 1*F35 + 3*F36 + 4*F37 + 4*F38 - 5*F39 + 2*F40 - 1*F41 + \\
& 3*F42 + 1*F43 - 2*F45 + 4*F46 + 1*F48 - 1*F49 + 1*F50 - 1*F51 + 1*F52 - \\
& 3*F53 - 1*F54 - 3*F55 - 1*F56 + 1*F57 + 6*F58 - 1*F60 + 1*F61 - 7*F63 + \\
& 1*F0
\end{aligned}$$

$$\begin{aligned}
G34 * G98 = & 3^{*-1} + 5*A0 - 5*B0 + 2*B1 - 1*C0 - 1*C6 - 5*C1 + 1*C7 + 5*D2 \\
& + 3*D3 + 1*D4 + 2*D6 + 1*D7 - 1*D9 - 6*E2 - 1*E3 - 1*E4 - 2*E5 - 4*E6 - \\
& 5*E7 - 1*E8 + 1*E9 + 1*E10 - 1*E11 + 1*E12 + 2*E13 - 3*E15 - 5*E16 + \\
& 1*E17 - 1*F34 - 3*F35 - 1*F36 + 3*F37 + 4*F38 + 4*F39 - 5*F40 + 2*F41 - \\
& 1*F42 + 3*F43 + 1*F44 - 2*F46 + 4*F47 + 1*F49 - 1*F50 + 1*F51 - 1*F52 + \\
& 1*F53 - 3*F54 - 1*F55 - 3*F56 - 1*F57 + 1*F58 + 6*F59 - 1*F61 + 1*F62 - \\
& 7*F0 + 1*F1
\end{aligned}$$

$$\begin{aligned}
G35 * G99 = & 3^{*-1} + 5*A1 - 5*B1 + 2*B2 - 1*C6 - 1*C1 - 5*C7 + 1*C4 + 5*D3 \\
& + 3*D4 + 1*D5 + 2*D7 + 1*D8 - 1*D10 - 6*E3 - 1*E4 - 1*E5 - 2*E6 - 4*E7 - \\
& 5*E8 - 1*E9 + 1*E10 + 1*E11 - 1*E12 + 1*E13 + 2*E14 - 3*E16 - 5*E17 + \\
& 1*E18 - 1*F35 - 3*F36 - 1*F37 + 3*F38 + 4*F39 + 4*F40 - 5*F41 + 2*F42 - \\
& 1*F43 + 3*F44 + 1*F45 - 2*F47 + 4*F48 + 1*F50 - 1*F51 + 1*F52 - 1*F53 + \\
& 1*F54 - 3*F55 - 1*F56 - 3*F57 - 1*F58 + 1*F59 + 6*F60 - 1*F62 + 1*F63 - \\
& 7*F1 + 1*F2
\end{aligned}$$

$$\begin{aligned}
G36 * G100 = & 3^{*-1} + 5*A0 - 5*B2 + 2*B3 - 1*C1 - 1*C7 - 5*C4 + 1*C2 + 5*D4 \\
& + 3*D5 + 1*D6 + 2*D8 + 1*D9 - 1*D11 - 6*E4 - 1*E5 - 1*E6 - 2*E7 - 4*E8 - \\
& 5*E9 - 1*E10 + 1*E11 + 1*E12 - 1*E13 + 1*E14 + 2*E15 - 3*E17 - 5*E18 + \\
& 1*E19 - 1*F36 - 3*F37 - 1*F38 + 3*F39 + 4*F40 + 4*F41 - 5*F42 + 2*F43 - \\
& 1*F44 + 3*F45 + 1*F46 - 2*F48 + 4*F49 + 1*F51 - 1*F52 + 1*F53 - 1*F54 + \\
& 1*F55 - 3*F56 - 1*F57 - 3*F58 - 1*F59 + 1*F60 + 6*F61 - 1*F63 + 1*F0 - \\
& 7*F2 + 1*F3
\end{aligned}$$

$$\begin{aligned}
G37 * G101 = & 3^{*-1} + 5*A1 - 5*B3 + 2*B0 - 1*C7 - 1*C4 - 5*C2 + 1*C5 + 5*D5 \\
& + 3*D6 + 1*D7 + 2*D9 + 1*D10 - 1*D12 - 6*E5 - 1*E6 - 1*E7 - 2*E8 - 4*E9 - \\
& 5*E10 - 1*E11 + 1*E12 + 1*E13 - 1*E14 + 1*E15 + 2*E16 - 3*E18 - 5*E19 + \\
& 1*E20 - 1*F37 - 3*F38 - 1*F39 + 3*F40 + 4*F41 + 4*F42 - 5*F43 + 2*F44 - \\
& 1*F45 + 3*F46 + 1*F47 - 2*F49 + 4*F50 + 1*F52 - 1*F53 + 1*F54 - 1*F55 + \\
& 1*F56 - 3*F57 - 1*F58 - 3*F59 - 1*F60 + 1*F61 + 6*F62 - 1*F0 + 1*F1 - \\
& 7*F3 + 1*F4
\end{aligned}$$

$$\begin{aligned}
G38 * G102 = & 3^{*-1} + 5*A0 - 5*B0 + 2*B1 - 1*C4 - 1*C2 - 5*C5 + 1*C3 + 5*D6 \\
& + 3*D7 + 1*D8 + 2*D10 + 1*D11 - 1*D13 - 6*E6 - 1*E7 - 1*E8 - 2*E9 - 4*E10 \\
& - 5*E11 - 1*E12 + 1*E13 + 1*E14 - 1*E15 + 1*E16 + 2*E17 - 3*E19 - 5*E20 + \\
& 1*E21 - 1*F38 - 3*F39 - 1*F40 + 3*F41 + 4*F42 + 4*F43 - 5*F44 + 2*F45 -
\end{aligned}$$

$$1 * F_{46} + 3 * F_{47} + 1 * F_{48} - 2 * F_{50} + 4 * F_{51} + 1 * F_{53} - 1 * F_{54} + 1 * F_{55} - 1 * F_{56} + 1 * F_{57} - 3 * F_{58} - 1 * F_{59} - 3 * F_{60} - 1 * F_{61} + 1 * F_{62} + 6 * F_{63} - 1 * F_1 + 1 * F_2 - 7 * F_4 + 1 * F_5$$

$$G_{39} * G_{103} = 3^{-1} + 5 * A_1 - 5 * B_1 + 2 * B_2 - 1 * C_2 - 1 * C_5 - 5 * C_3 + 1 * C_0 + 5 * D_7 + 3 * D_8 + 1 * D_9 + 2 * D_{11} + 1 * D_{12} - 1 * D_{14} - 6 * E_7 - 1 * E_8 - 1 * E_9 - 2 * E_{10} - 4 * E_{11} - 5 * E_{12} - 1 * E_{13} + 1 * E_{14} + 1 * E_{15} - 1 * E_{16} + 1 * E_{17} + 2 * E_{18} - 3 * E_{20} - 5 * E_{21} + 1 * E_{22} - 1 * F_{39} - 3 * F_{40} - 1 * F_{41} + 3 * F_{42} + 4 * F_{43} + 4 * F_{44} - 5 * F_{45} + 2 * F_{46} - 1 * F_{47} + 3 * F_{48} + 1 * F_{49} - 2 * F_{51} + 4 * F_{52} + 1 * F_{54} - 1 * F_{55} + 1 * F_{56} - 1 * F_{57} + 1 * F_{58} - 3 * F_{59} - 1 * F_{60} - 3 * F_{61} - 1 * F_{62} + 1 * F_{63} + 6 * F_0 - 1 * F_2 + 1 * F_3 - 7 * F_5 + 1 * F_6$$

$$G_{40} * G_{104} = 3^{-1} + 5 * A_0 - 5 * B_2 + 2 * B_3 - 1 * C_5 - 1 * C_3 - 5 * C_0 + 1 * C_6 + 5 * D_8 + 3 * D_9 + 1 * D_{10} + 2 * D_{12} + 1 * D_{13} - 1 * D_{15} - 6 * E_8 - 1 * E_9 - 1 * E_{10} - 2 * E_{11} - 4 * E_{12} - 5 * E_{13} - 1 * E_{14} + 1 * E_{15} + 1 * E_{16} - 1 * E_{17} + 1 * E_{18} + 2 * E_{19} - 3 * E_{21} - 5 * E_{22} + 1 * E_{23} - 1 * F_{40} - 3 * F_{41} - 1 * F_{42} + 3 * F_{43} + 4 * F_{44} + 4 * F_{45} - 5 * F_{46} + 2 * F_{47} - 1 * F_{48} + 3 * F_{49} + 1 * F_{50} - 2 * F_{52} + 4 * F_{53} + 1 * F_{55} - 1 * F_{56} + 1 * F_{57} - 1 * F_{58} + 1 * F_{59} - 3 * F_{60} - 1 * F_{61} - 3 * F_{62} - 1 * F_{63} + 1 * F_0 + 6 * F_1 - 1 * F_3 + 1 * F_4 - 7 * F_6 + 1 * F_7$$

$$G_{41} * G_{105} = 3^{-1} + 5 * A_1 - 5 * B_3 + 2 * B_0 - 1 * C_3 - 1 * C_0 - 5 * C_6 + 1 * C_1 + 5 * D_9 + 3 * D_{10} + 1 * D_{11} + 2 * D_{13} + 1 * D_{14} - 1 * D_0 - 6 * E_9 - 1 * E_{10} - 1 * E_{11} - 2 * E_{12} - 4 * E_{13} - 5 * E_{14} - 1 * E_{15} + 1 * E_{16} + 1 * E_{17} - 1 * E_{18} + 1 * E_{19} + 2 * E_{20} - 3 * E_{22} - 5 * E_{23} + 1 * E_{24} - 1 * F_{41} - 3 * F_{42} - 1 * F_{43} + 3 * F_{44} + 4 * F_{45} + 4 * F_{46} - 5 * F_{47} + 2 * F_{48} - 1 * F_{49} + 3 * F_{50} + 1 * F_{51} - 2 * F_{53} + 4 * F_{54} + 1 * F_{56} - 1 * F_{57} + 1 * F_{58} - 1 * F_{59} + 1 * F_{60} - 3 * F_{61} - 1 * F_{62} - 3 * F_{63} - 1 * F_0 + 1 * F_1 + 6 * F_2 - 1 * F_4 + 1 * F_5 - 7 * F_7 + 1 * F_8$$

$$G_{42} * G_{106} = 3^{-1} + 5 * A_0 - 5 * B_0 + 2 * B_1 - 1 * C_0 - 1 * C_6 - 5 * C_1 + 1 * C_7 + 5 * D_{10} + 3 * D_{11} + 1 * D_{12} + 2 * D_{14} + 1 * D_{15} - 1 * D_1 - 6 * E_{10} - 1 * E_{11} - 1 * E_{12} - 2 * E_{13} - 4 * E_{14} - 5 * E_{15} - 1 * E_{16} + 1 * E_{17} + 1 * E_{18} - 1 * E_{19} + 1 * E_{20} + 2 * E_{21} - 3 * E_{23} - 5 * E_{24} + 1 * E_{25} - 1 * F_{42} - 3 * F_{43} - 1 * F_{44} + 3 * F_{45} + 4 * F_{46} + 4 * F_{47} - 5 * F_{48} + 2 * F_{49} - 1 * F_{50} + 3 * F_{51} + 1 * F_{52} - 2 * F_{54} + 4 * F_{55} + 1 * F_{57} - 1 * F_{58} + 1 * F_{59} - 1 * F_{60} + 1 * F_{61} - 3 * F_{62} - 1 * F_{63} - 3 * F_0 - 1 * F_1 + 1 * F_2 + 6 * F_3 - 1 * F_5 + 1 * F_6 - 7 * F_8 + 1 * F_9$$

$$G_{43} * G_{107} = 3^{-1} + 5 * A_1 - 5 * B_1 + 2 * B_2 - 1 * C_6 - 1 * C_1 - 5 * C_7 + 1 * C_4 + 5 * D_{11} + 3 * D_{12} + 1 * D_{13} + 2 * D_{15} + 1 * D_0 - 1 * D_2 - 6 * E_{11} - 1 * E_{12} - 1 * E_{13} - 2 * E_{14} - 4 * E_{15} - 5 * E_{16} - 1 * E_{17} + 1 * E_{18} + 1 * E_{19} - 1 * E_{20} + 1 * E_{21} + 2 * E_{22} - 3 * E_{24} - 5 * E_{25} + 1 * E_{26} - 1 * F_{43} - 3 * F_{44} - 1 * F_{45} + 3 * F_{46} + 4 * F_{47} + 4 * F_{48} - 5 * F_{49} + 2 * F_{50} - 1 * F_{51} + 3 * F_{52} + 1 * F_{53} - 2 * F_{55} + 4 * F_{56} + 1 * F_{58} - 1 * F_{59} + 1 * F_{60} - 1 * F_{61} + 1 * F_{62} - 3 * F_{63} - 1 * F_0 - 3 * F_1 - 1 * F_2 + 1 * F_3 + 6 * F_4 - 1 * F_6 + 1 * F_7 - 7 * F_9 + 1 * F_{10}$$

$$G_{44} * G_{108} = 3^{-1} + 5 * A_0 - 5 * B_2 + 2 * B_3 - 1 * C_1 - 1 * C_7 - 5 * C_4 + 1 * C_2 + 5 * D_{12} + 3 * D_{13} + 1 * D_{14} + 2 * D_0 + 1 * D_1 - 1 * D_3 - 6 * E_{12} - 1 * E_{13} - 1 * E_{14} - 2 * E_{15} - 4 * E_{16} - 5 * E_{17} - 1 * E_{18} + 1 * E_{19} + 1 * E_{20} - 1 * E_{21} + 1 * E_{22} + 2 * E_{23} - 3 * E_{25} - 5 * E_{26} + 1 * E_{27} - 1 * F_{44} - 3 * F_{45} - 1 * F_{46} + 3 * F_{47} + 4 * F_{48} + 4 * F_{49} - 5 * F_{50} + 2 * F_{51} - 1 * F_{52} + 3 * F_{53} + 1 * F_{54} - 2 * F_{56} + 4 * F_{57} + 1 * F_{59} - 1 * F_{60} + 1 * F_{61} - 1 * F_{62} + 1 * F_{63} - 3 * F_0 - 1 * F_1 - 3 * F_2 - 1 * F_3 + 1 * F_4 + 6 * F_5 - 1 * F_7 + 1 * F_8 - 7 * F_{10} + 1 * F_{11}$$

$$G_{45} * G_{109} = 3^{-1} + 5 * A_1 - 5 * B_3 + 2 * B_0 - 1 * C_7 - 1 * C_4 - 5 * C_2 + 1 * C_5 + 5 * D_{13} + 3 * D_{14} + 1 * D_{15} + 2 * D_1 + 1 * D_2 - 1 * D_4 - 6 * E_{13} - 1 * E_{14} - 1 * E_{15} - 2 * E_{16} - 4 * E_{17} - 5 * E_{18} - 1 * E_{19} + 1 * E_{20} + 1 * E_{21} - 1 * E_{22} + 1 * E_{23} + 2 * E_{24} - 3 * E_{26} - 5 * E_{27} + 1 * E_{28} - 1 * F_{45} - 3 * F_{46} - 1 * F_{47} + 3 * F_{48} + 4 * F_{49} + 4 * F_{50} - 5 * F_{51} + 2 * F_{52} - 1 * F_{53} + 3 * F_{54} + 1 * F_{55} - 2 * F_{57} + 4 * F_{58} + 1 * F_{60} - 1 * F_{61} + 1 * F_{62} - 1 * F_{63} + 1 * F_0 - 3 * F_1 - 1 * F_2 - 3 * F_3 - 1 * F_4 + 1 * F_5 + 6 * F_6 - 1 * F_8 + 1 * F_9 - 7 * F_{11} + 1 * F_{12}$$

$$\begin{aligned}
G46 * G110 = & 3^{-1} + 5*A0 - 5*B0 + 2*B1 - 1*C4 - 1*C2 - 5*C5 + 1*C3 + \\
& 5*D14 + 3*D15 + 1*D0 + 2*D2 + 1*D3 - 1*D5 - 6*E14 - 1*E15 - 1*E16 - 2*E17 \\
& - 4*E18 - 5*E19 - 1*E20 + 1*E21 + 1*E22 - 1*E23 + 1*E24 + 2*E25 - 3*E27 - \\
& 5*E28 + 1*E29 - 1*F46 - 3*F47 - 1*F48 + 3*F49 + 4*F50 + 4*F51 - 5*F52 + \\
& 2*F53 - 1*F54 + 3*F55 + 1*F56 - 2*F58 + 4*F59 + 1*F61 - 1*F62 + 1*F63 - \\
& 1*F0 + 1*F1 - 3*F2 - 1*F3 - 3*F4 - 1*F5 + 1*F6 + 6*F7 - 1*F9 + 1*F10 - \\
& 7*F12 + 1*F13
\end{aligned}$$

$$\begin{aligned}
G47 * G111 = & 3^{-1} + 5*A1 - 5*B1 + 2*B2 - 1*C2 - 1*C5 - 5*C3 + 1*C0 + \\
& 5*D15 + 3*D0 + 1*D1 + 2*D3 + 1*D4 - 1*D6 - 6*E15 - 1*E16 - 1*E17 - 2*E18 \\
& - 4*E19 - 5*E20 - 1*E21 + 1*E22 + 1*E23 - 1*E24 + 1*E25 + 2*E26 - 3*E28 - \\
& 5*E29 + 1*E30 - 1*F47 - 3*F48 - 1*F49 + 3*F50 + 4*F51 + 4*F52 - 5*F53 + \\
& 2*F54 - 1*F55 + 3*F56 + 1*F57 - 2*F59 + 4*F60 + 1*F62 - 1*F63 + 1*F0 - \\
& 1*F1 + 1*F2 - 3*F3 - 1*F4 - 3*F5 - 1*F6 + 1*F7 + 6*F8 - 1*F10 + 1*F11 - \\
& 7*F13 + 1*F14
\end{aligned}$$

$$\begin{aligned}
G48 * G112 = & 3^{-1} + 5*A0 - 5*B2 + 2*B3 - 1*C5 - 1*C3 - 5*C0 + 1*C6 + 5*D0 \\
& + 3*D1 + 1*D2 + 2*D4 + 1*D5 - 1*D7 - 6*E16 - 1*E17 - 1*E18 - 2*E19 - \\
& 4*E20 - 5*E21 - 1*E22 + 1*E23 + 1*E24 - 1*E25 + 1*E26 + 2*E27 - 3*E29 - \\
& 5*E30 + 1*E31 - 1*F48 - 3*F49 - 1*F50 + 3*F51 + 4*F52 + 4*F53 - 5*F54 + \\
& 2*F55 - 1*F56 + 3*F57 + 1*F58 - 2*F60 + 4*F61 + 1*F63 - 1*F0 + 1*F1 - \\
& 1*F2 + 1*F3 - 3*F4 - 1*F5 - 3*F6 - 1*F7 + 1*F8 + 6*F9 - 1*F11 + 1*F12 - \\
& 7*F14 + 1*F15
\end{aligned}$$

$$\begin{aligned}
G49 * G113 = & 3^{-1} + 5*A1 - 5*B3 + 2*B0 - 1*C3 - 1*C0 - 5*C6 + 1*C1 + 5*D1 \\
& + 3*D2 + 1*D3 + 2*D5 + 1*D6 - 1*D8 - 6*E17 - 1*E18 - 1*E19 - 2*E20 - \\
& 4*E21 - 5*E22 - 1*E23 + 1*E24 + 1*E25 - 1*E26 + 1*E27 + 2*E28 - 3*E30 - \\
& 5*E31 + 1*E0 - 1*F49 - 3*F50 - 1*F51 + 3*F52 + 4*F53 + 4*F54 - 5*F55 + \\
& 2*F56 - 1*F57 + 3*F58 + 1*F59 - 2*F61 + 4*F62 + 1*F0 - 1*F1 + 1*F2 - 1*F3 \\
& + 1*F4 - 3*F5 - 1*F6 - 3*F7 - 1*F8 + 1*F9 + 6*F10 - 1*F12 + 1*F13 - 7*F15 \\
& + 1*F16
\end{aligned}$$

$$\begin{aligned}
G50 * G114 = & 3^{-1} + 5*A0 - 5*B0 + 2*B1 - 1*C0 - 1*C6 - 5*C1 + 1*C7 + 5*D2 \\
& + 3*D3 + 1*D4 + 2*D6 + 1*D7 - 1*D9 - 6*E18 - 1*E19 - 1*E20 - 2*E21 - \\
& 4*E22 - 5*E23 - 1*E24 + 1*E25 + 1*E26 - 1*E27 + 1*E28 + 2*E29 - 3*E31 - \\
& 5*E0 + 1*E1 - 1*F50 - 3*F51 - 1*F52 + 3*F53 + 4*F54 + 4*F55 - 5*F56 + \\
& 2*F57 - 1*F58 + 3*F59 + 1*F60 - 2*F62 + 4*F63 + 1*F1 - 1*F2 + 1*F3 - 1*F4 \\
& + 1*F5 - 3*F6 - 1*F7 - 3*F8 - 1*F9 + 1*F10 + 6*F11 - 1*F13 + 1*F14 - \\
& 7*F16 + 1*F17
\end{aligned}$$

$$\begin{aligned}
G51 * G115 = & 3^{-1} + 5*A1 - 5*B1 + 2*B2 - 1*C6 - 1*C1 - 5*C7 + 1*C4 + 5*D3 \\
& + 3*D4 + 1*D5 + 2*D7 + 1*D8 - 1*D10 - 6*E19 - 1*E20 - 1*E21 - 2*E22 - \\
& 4*E23 - 5*E24 - 1*E25 + 1*E26 + 1*E27 - 1*E28 + 1*E29 + 2*E30 - 3*E0 - \\
& 5*E1 + 1*E2 - 1*F51 - 3*F52 - 1*F53 + 3*F54 + 4*F55 + 4*F56 - 5*F57 + \\
& 2*F58 - 1*F59 + 3*F60 + 1*F61 - 2*F63 + 4*F0 + 1*F2 - 1*F3 + 1*F4 - 1*F5 \\
& + 1*F6 - 3*F7 - 1*F8 - 3*F9 - 1*F10 + 1*F11 + 6*F12 - 1*F14 + 1*F15 - \\
& 7*F17 + 1*F18
\end{aligned}$$

$$\begin{aligned}
G52 * G116 = & 3^{-1} + 5*A0 - 5*B2 + 2*B3 - 1*C1 - 1*C7 - 5*C4 + 1*C2 + 5*D4 \\
& + 3*D5 + 1*D6 + 2*D8 + 1*D9 - 1*D11 - 6*E20 - 1*E21 - 1*E22 - 2*E23 - \\
& 4*E24 - 5*E25 - 1*E26 + 1*E27 + 1*E28 - 1*E29 + 1*E30 + 2*E31 - 3*E1 - \\
& 5*E2 + 1*E3 - 1*F52 - 3*F53 - 1*F54 + 3*F55 + 4*F56 + 4*F57 - 5*F58 + \\
& 2*F59 - 1*F60 + 3*F61 + 1*F62 - 2*F0 + 4*F1 + 1*F3 - 1*F4 + 1*F5 - 1*F6 + \\
& 1*F7 - 3*F8 - 1*F9 - 3*F10 - 1*F11 + 1*F12 + 6*F13 - 1*F15 + 1*F16 - \\
& 7*F18 + 1*F19
\end{aligned}$$

$$\begin{aligned}
G53 * G117 = & 3^{-1} + 5*A1 - 5*B3 + 2*B0 - 1*C7 - 1*C4 - 5*C2 + 1*C5 + 5*D5 \\
& + 3*D6 + 1*D7 + 2*D9 + 1*D10 - 1*D12 - 6*E21 - 1*E22 - 1*E23 - 2*E24 - \\
& 4*E25 - 5*E26 - 1*E27 + 1*E28 + 1*E29 - 1*E30 + 1*E31 + 2*E0 - 3*E2 - \\
& 5*E3 + 1*E4 - 1*F53 - 3*F54 - 1*F55 + 3*F56 + 4*F57 + 4*F58 - 5*F59 +
\end{aligned}$$

$$2 * F_{60} - 1 * F_{61} + 3 * F_{62} + 1 * F_{63} - 2 * F_1 + 4 * F_2 + 1 * F_4 - 1 * F_5 + 1 * F_6 - 1 * F_7 + 1 * F_8 - 3 * F_9 - 1 * F_{10} - 3 * F_{11} - 1 * F_{12} + 1 * F_{13} + 6 * F_{14} - 1 * F_{16} + 1 * F_{17} - 7 * F_{19} + 1 * F_{20}$$

$$G_{54} * G_{118} = 3^{-1} + 5 * A_0 - 5 * B_0 + 2 * B_1 - 1 * C_4 - 1 * C_2 - 5 * C_5 + 1 * C_3 + 5 * D_6 + 3 * D_7 + 1 * D_8 + 2 * D_{10} + 1 * D_{11} - 1 * D_{13} - 6 * E_{22} - 1 * E_{23} - 1 * E_{24} - 2 * E_{25} - 4 * E_{26} - 5 * E_{27} - 1 * E_{28} + 1 * E_{29} + 1 * E_{30} - 1 * E_{31} + 1 * E_0 + 2 * E_1 - 3 * E_3 - 5 * E_4 + 1 * E_5 - 1 * F_{54} - 3 * F_{55} - 1 * F_{56} + 3 * F_{57} + 4 * F_{58} + 4 * F_{59} - 5 * F_{60} + 2 * F_{61} - 1 * F_{62} + 3 * F_{63} + 1 * F_0 - 2 * F_2 + 4 * F_3 + 1 * F_5 - 1 * F_6 + 1 * F_7 - 1 * F_8 + 1 * F_9 - 3 * F_{10} - 1 * F_{11} - 3 * F_{12} - 1 * F_{13} + 1 * F_{14} + 6 * F_{15} - 1 * F_{17} + 1 * F_{18} - 7 * F_{20} + 1 * F_{21}$$

$$G_{55} * G_{119} = 3^{-1} + 5 * A_1 - 5 * B_1 + 2 * B_2 - 1 * C_2 - 1 * C_5 - 5 * C_3 + 1 * C_0 + 5 * D_7 + 3 * D_8 + 1 * D_9 + 2 * D_{11} + 1 * D_{12} - 1 * D_{14} - 6 * E_{23} - 1 * E_{24} - 1 * E_{25} - 2 * E_{26} - 4 * E_{27} - 5 * E_{28} - 1 * E_{29} + 1 * E_{30} + 1 * E_{31} - 1 * E_0 + 1 * E_1 + 2 * E_2 - 3 * E_4 - 5 * E_5 + 1 * E_6 - 1 * F_{55} - 3 * F_{56} - 1 * F_{57} + 3 * F_{58} + 4 * F_{59} + 4 * F_{60} - 5 * F_{61} + 2 * F_{62} - 1 * F_{63} + 3 * F_0 + 1 * F_1 - 2 * F_3 + 4 * F_4 + 1 * F_6 - 1 * F_7 + 1 * F_8 - 1 * F_9 + 1 * F_{10} - 3 * F_{11} - 1 * F_{12} - 3 * F_{13} - 1 * F_{14} + 1 * F_{15} + 6 * F_{16} - 1 * F_{18} + 1 * F_{19} - 7 * F_{21} + 1 * F_{22}$$

$$G_{56} * G_{120} = 3^{-1} + 5 * A_0 - 5 * B_2 + 2 * B_3 - 1 * C_5 - 1 * C_3 - 5 * C_0 + 1 * C_6 + 5 * D_8 + 3 * D_9 + 1 * D_{10} + 2 * D_{12} + 1 * D_{13} - 1 * D_{15} - 6 * E_{24} - 1 * E_{25} - 1 * E_{26} - 2 * E_{27} - 4 * E_{28} - 5 * E_{29} - 1 * E_{30} + 1 * E_{31} + 1 * E_0 - 1 * E_1 + 1 * E_2 + 2 * E_3 - 3 * E_5 - 5 * E_6 + 1 * E_7 - 1 * F_{56} - 3 * F_{57} - 1 * F_{58} + 3 * F_{59} + 4 * F_{60} + 4 * F_{61} - 5 * F_{62} + 2 * F_{63} - 1 * F_0 + 3 * F_1 + 1 * F_2 - 2 * F_4 + 4 * F_5 + 1 * F_7 - 1 * F_8 + 1 * F_9 - 1 * F_{10} + 1 * F_{11} - 3 * F_{12} - 1 * F_{13} - 3 * F_{14} - 1 * F_{15} + 1 * F_{16} + 6 * F_{17} - 1 * F_{19} + 1 * F_{20} - 7 * F_{22} + 1 * F_{23}$$

$$G_{57} * G_{121} = 3^{-1} + 5 * A_1 - 5 * B_3 + 2 * B_0 - 1 * C_3 - 1 * C_0 - 5 * C_6 + 1 * C_1 + 5 * D_9 + 3 * D_{10} + 1 * D_{11} + 2 * D_{13} + 1 * D_{14} - 1 * D_0 - 6 * E_{25} - 1 * E_{26} - 1 * E_{27} - 2 * E_{28} - 4 * E_{29} - 5 * E_{30} - 1 * E_{31} + 1 * E_0 + 1 * E_1 - 1 * E_2 + 1 * E_3 + 2 * E_4 - 3 * E_6 - 5 * E_7 + 1 * E_8 - 1 * F_{57} - 3 * F_{58} - 1 * F_{59} + 3 * F_{60} + 4 * F_{61} + 4 * F_{62} - 5 * F_{63} + 2 * F_0 - 1 * F_1 + 3 * F_2 + 1 * F_3 - 2 * F_5 + 4 * F_6 + 1 * F_8 - 1 * F_9 + 1 * F_{10} - 1 * F_{11} + 1 * F_{12} - 3 * F_{13} - 1 * F_{14} - 3 * F_{15} - 1 * F_{16} + 1 * F_{17} + 6 * F_{18} - 1 * F_{20} + 1 * F_{21} - 7 * F_{23} + 1 * F_{24}$$

$$G_{58} * G_{122} = 3^{-1} + 5 * A_0 - 5 * B_0 + 2 * B_1 - 1 * C_0 - 1 * C_6 - 5 * C_1 + 1 * C_7 + 5 * D_{10} + 3 * D_{11} + 1 * D_{12} + 2 * D_{14} + 1 * D_{15} - 1 * D_1 - 6 * E_{26} - 1 * E_{27} - 1 * E_{28} - 2 * E_{29} - 4 * E_{30} - 5 * E_{31} - 1 * E_0 + 1 * E_1 + 1 * E_2 - 1 * E_3 + 1 * E_4 + 2 * E_5 - 3 * E_7 - 5 * E_8 + 1 * E_9 - 1 * F_{58} - 3 * F_{59} - 1 * F_{60} + 3 * F_{61} + 4 * F_{62} + 4 * F_{63} - 5 * F_0 + 2 * F_1 - 1 * F_2 + 3 * F_3 + 1 * F_4 - 2 * F_6 + 4 * F_7 + 1 * F_9 - 1 * F_{10} + 1 * F_{11} - 1 * F_{12} + 1 * F_{13} - 3 * F_{14} - 1 * F_{15} - 3 * F_{16} - 1 * F_{17} + 1 * F_{18} + 6 * F_{19} - 1 * F_{21} + 1 * F_{22} - 7 * F_{24} + 1 * F_{25}$$

$$G_{59} * G_{123} = 3^{-1} + 5 * A_1 - 5 * B_1 + 2 * B_2 - 1 * C_6 - 1 * C_1 - 5 * C_7 + 1 * C_4 + 5 * D_{11} + 3 * D_{12} + 1 * D_{13} + 2 * D_{15} + 1 * D_0 - 1 * D_2 - 6 * E_{27} - 1 * E_{28} - 1 * E_{29} - 2 * E_{30} - 4 * E_{31} - 5 * E_0 - 1 * E_1 + 1 * E_2 + 1 * E_3 - 1 * E_4 + 1 * E_5 + 2 * E_6 - 3 * E_8 - 5 * E_9 + 1 * E_{10} - 1 * F_{59} - 3 * F_{60} - 1 * F_{61} + 3 * F_{62} + 4 * F_{63} + 4 * F_0 - 5 * F_1 + 2 * F_2 - 1 * F_3 + 3 * F_4 + 1 * F_5 - 2 * F_7 + 4 * F_8 + 1 * F_{10} - 1 * F_{11} + 1 * F_{12} - 1 * F_{13} + 1 * F_{14} - 3 * F_{15} - 1 * F_{16} - 3 * F_{17} - 1 * F_{18} + 1 * F_{19} + 6 * F_{20} - 1 * F_{22} + 1 * F_{23} - 7 * F_{25} + 1 * F_{26}$$

$$G_{60} * G_{124} = 3^{-1} + 5 * A_0 - 5 * B_2 + 2 * B_3 - 1 * C_1 - 1 * C_7 - 5 * C_4 + 1 * C_2 + 5 * D_{12} + 3 * D_{13} + 1 * D_{14} + 2 * D_0 + 1 * D_1 - 1 * D_3 - 6 * E_{28} - 1 * E_{29} - 1 * E_{30} - 2 * E_{31} - 4 * E_0 - 5 * E_1 - 1 * E_2 + 1 * E_3 + 1 * E_4 - 1 * E_5 + 1 * E_6 + 2 * E_7 - 3 * E_9 - 5 * E_{10} + 1 * E_{11} - 1 * F_{60} - 3 * F_{61} - 1 * F_{62} + 3 * F_{63} + 4 * F_0 + 4 * F_1 - 5 * F_2 + 2 * F_3 - 1 * F_4 + 3 * F_5 + 1 * F_6 - 2 * F_8 + 4 * F_9 + 1 * F_{11} - 1 * F_{12} + 1 * F_{13} - 1 * F_{14} + 1 * F_{15} - 3 * F_{16} - 1 * F_{17} - 3 * F_{18} - 1 * F_{19} + 1 * F_{20} + 6 * F_{21} - 1 * F_{23} + 1 * F_{24} - 7 * F_{26} + 1 * F_{27}$$

$$G61 * G125 = 3^{-1} + 5*A1 - 5*B3 + 2*B0 - 1*C7 - 1*C4 - 5*C2 + 1*C5 + 5*D13 + 3*D14 + 1*D15 + 2*D1 + 1*D2 - 1*D4 - 6*E29 - 1*E30 - 1*E31 - 2*E0 - 4*E1 - 5*E2 - 1*E3 + 1*E4 + 1*E5 - 1*E6 + 1*E7 + 2*E8 - 3*E10 - 5*E11 + 1*E12 - 1*F61 - 3*F62 - 1*F63 + 3*F0 + 4*F1 + 4*F2 - 5*F3 + 2*F4 - 1*F5 + 3*F6 + 1*F7 - 2*F9 + 4*F10 + 1*F12 - 1*F13 + 1*F14 - 1*F15 + 1*F16 - 3*F17 - 1*F18 - 3*F19 - 1*F20 + 1*F21 + 6*F22 - 1*F24 + 1*F25 - 7*F27 + 1*F28$$

$$G62 * G126 = 3^{-1} + 5*A0 - 5*B0 + 2*B1 - 1*C4 - 1*C2 - 5*C5 + 1*C3 + 5*D14 + 3*D15 + 1*D0 + 2*D2 + 1*D3 - 1*D5 - 6*E30 - 1*E31 - 1*E0 - 2*E1 - 4*E2 - 5*E3 - 1*E4 + 1*E5 + 1*E6 - 1*E7 + 1*E8 + 2*E9 - 3*E11 - 5*E12 + 1*E13 - 1*F62 - 3*F63 - 1*F0 + 3*F1 + 4*F2 + 4*F3 - 5*F4 + 2*F5 - 1*F6 + 3*F7 + 1*F8 - 2*F10 + 4*F11 + 1*F13 - 1*F14 + 1*F15 - 1*F16 + 1*F17 - 3*F18 - 1*F19 - 3*F20 - 1*F21 + 1*F22 + 6*F23 - 1*F25 + 1*F26 - 7*F28 + 1*F29$$

$$G63 * G127 = 3^{-1} + 5*A1 - 5*B1 + 2*B2 - 1*C2 - 1*C5 - 5*C3 + 1*C0 + 5*D15 + 3*D0 + 1*D1 + 2*D3 + 1*D4 - 1*D6 - 6*E31 - 1*E0 - 1*E1 - 2*E2 - 4*E3 - 5*E4 - 1*E5 + 1*E6 + 1*E7 - 1*E8 + 1*E9 + 2*E10 - 3*E12 - 5*E13 + 1*E14 - 1*F63 - 3*F0 - 1*F1 + 3*F2 + 4*F3 + 4*F4 - 5*F5 + 2*F6 - 1*F7 + 3*F8 + 1*F9 - 2*F11 + 4*F12 + 1*F14 - 1*F15 + 1*F16 - 1*F17 + 1*F18 - 3*F19 - 1*F20 - 3*F21 - 1*F22 + 1*F23 + 6*F24 - 1*F26 + 1*F27 - 7*F29 + 1*F30$$

H mod 256

128 Gleichungen

$$H0 * H128 = 2^{-1} - 2*A0 + 1*B2 - 1*B3 - 1*C5 + 1*C3 - 1*C6 - 2*D1 + 4*D2 + 1*D5 + 1*D6 - 1*D7 + 2*E1 - 3*E2 + 2*E4 - 1*E6 + 1*E7 + 2*E8 + 1*E9 + 4*E10 - 1*E11 + 1*E12 + 1*E13 + 1*E14 - 1*E15 + 2*F1 - 1*F2 + 1*F3 - 3*F4 - 2*F5 + 2*F6 - 2*F7 - 2*F8 - 1*F9 - 2*F10 - 2*F13 - 1*F14 + 1*F15 + 1*F16 - 3*F18 + 1*F19 - 1*F20 - 2*F21 + 1*F23 + 2*F24 - 1*F25 + 1*F26 - 1*F27 - 1*F28 - 1*F29 + 2*F30 - 1*F31 + 2*G0 - 3*G1 - 1*G3 + 1*G4 - 1*G6 + 1*G7 + 1*G8 - 2*G9 + 1*G10 - 2*G12 + 1*G14 - 1*G15 - 1*G18 - 2*G19 + 1*G20 - 2*G23 - 2*G24 + 3*G29 - 1*G30 - 1*G31 + 1*G34 - 1*G36 - 1*G37 + 2*G38 - 2*G39 - 1*G41 - 2*G42 - 2*G44 - 1*G45 - 1*G46 + 1*G48 - 4*G50 - 1*G52 - 2*G53 - 1*G54 - 1*G55 + 1*G56 + 3*G57 + 1*G58 + 1*G59$$

$$H1 * H129 = 2^{-1} - 2*A1 + 1*B3 - 1*B0 - 1*C3 + 1*C0 - 1*C1 - 2*D2 + 4*D3 + 1*D6 + 1*D7 - 1*D8 + 2*E2 - 3*E3 + 2*E5 - 1*E7 + 1*E8 + 2*E9 + 1*E10 + 4*E11 - 1*E12 + 1*E13 + 1*E14 + 1*E15 - 1*E16 + 2*F2 - 1*F3 + 1*F4 - 3*F5 - 2*F6 + 2*F7 - 2*F8 - 2*F9 - 1*F10 - 2*F11 - 2*F14 - 1*F15 + 1*F16 + 1*F17 - 3*F19 + 1*F20 - 1*F21 - 2*F22 + 1*F24 + 2*F25 - 1*F26 + 1*F27 - 1*F28 - 1*F29 - 1*F30 + 2*F31 - 1*F32 + 2*G1 - 3*G2 - 1*G4 + 1*G5 - 1*G7 + 1*G8 + 1*G9 - 2*G10 + 1*G11 - 2*G13 + 1*G15 - 1*G16 - 1*G19 - 2*G20 + 1*G21 - 2*G24 - 2*G25 + 3*G30 - 1*G31 - 1*G32 + 1*G35 - 1*G37 - 1*G38 + 2*G39 - 2*G40 - 1*G42 - 2*G43 - 2*G45 - 1*G46 - 1*G47 + 1*G49 - 4*G51 - 1*G53 - 2*G54 - 1*G55 - 1*G56 + 1*G57 + 3*G58 + 1*G59 + 1*G60$$

$$H2 * H130 = 2^{-1} - 2*A0 + 1*B0 - 1*B1 - 1*C0 + 1*C6 - 1*C7 - 2*D3 + 4*D4 + 1*D7 + 1*D8 - 1*D9 + 2*E3 - 3*E4 + 2*E6 - 1*E8 + 1*E9 + 2*E10 + 1*E11 + 4*E12 - 1*E13 + 1*E14 + 1*E15 + 1*E16 - 1*E17 + 2*F3 - 1*F4 + 1*F5 - 3*F6 - 2*F7 + 2*F8 - 2*F9 - 2*F10 - 1*F11 - 2*F12 - 2*F15 - 1*F16 + 1*F17 + 1*F18 - 3*F20 + 1*F21 - 1*F22 - 2*F23 + 1*F25 + 2*F26 - 1*F27 + 1*F28 - 1*F29 - 1*F30 - 1*F31 + 2*F32 - 1*F33 + 2*G2 - 3*G3 - 1*G5 + 1*G6 - 1*G8 + 1*G9 + 1*G10 - 2*G11 + 1*G12 - 2*G14 + 1*G16 - 1*G17 - 1*G20 - 2*G21 + 1*G22 - 2*G25 - 2*G26 + 3*G31 - 1*G32 - 1*G33 + 1*G36 - 1*G38 - 1*G39 +$$

$$2*G40 - 2*G41 - 1*G43 - 2*G44 - 2*G46 - 1*G47 - 1*G48 + 1*G50 - 4*G52 - 1*G54 - 2*G55 - 1*G56 - 1*G57 + 1*G58 + 3*G59 + 1*G60 + 1*G61$$

$$\begin{aligned} H3 * H131 = & 2^{-1} - 2*A1 + 1*B1 - 1*B2 - 1*C6 + 1*C1 - 1*C4 - 2*D4 + 4*D5 \\ & + 1*D8 + 1*D9 - 1*D10 + 2*E4 - 3*E5 + 2*E7 - 1*E9 + 1*E10 + 2*E11 + 1*E12 \\ & + 4*E13 - 1*E14 + 1*E15 + 1*E16 + 1*E17 - 1*E18 + 2*F4 - 1*F5 + 1*F6 - \\ & 3*F7 - 2*F8 + 2*F9 - 2*F10 - 2*F11 - 1*F12 - 2*F13 - 2*F16 - 1*F17 + \\ & 1*F18 + 1*F19 - 3*F21 + 1*F22 - 1*F23 - 2*F24 + 1*F26 + 2*F27 - 1*F28 + \\ & 1*F29 - 1*F30 - 1*F31 - 1*F32 + 2*F33 - 1*F34 + 2*G3 - 3*G4 - 1*G6 + 1*G7 \\ & - 1*G9 + 1*G10 + 1*G11 - 2*G12 + 1*G13 - 2*G15 + 1*G17 - 1*G18 - 1*G21 - \\ & 2*G22 + 1*G23 - 2*G26 - 2*G27 + 3*G32 - 1*G33 - 1*G34 + 1*G37 - 1*G39 - \\ & 1*G40 + 2*G41 - 2*G42 - 1*G44 - 2*G45 - 2*G47 - 1*G48 - 1*G49 + 1*G51 - \\ & 4*G53 - 1*G55 - 2*G56 - 1*G57 - 1*G58 + 1*G59 + 3*G60 + 1*G61 + 1*G62 \end{aligned}$$

$$\begin{aligned} H4 * H132 = & 2^{-1} - 2*A0 + 1*B2 - 1*B3 - 1*C1 + 1*C7 - 1*C2 - 2*D5 + 4*D6 \\ & + 1*D9 + 1*D10 - 1*D11 + 2*E5 - 3*E6 + 2*E8 - 1*E10 + 1*E11 + 2*E12 + \\ & 1*E13 + 4*E14 - 1*E15 + 1*E16 + 1*E17 + 1*E18 - 1*E19 + 2*F5 - 1*F6 + \\ & 1*F7 - 3*F8 - 2*F9 + 2*F10 - 2*F11 - 2*F12 - 1*F13 - 2*F14 - 2*F17 - \\ & 1*F18 + 1*F19 + 1*F20 - 3*F22 + 1*F23 - 1*F24 - 2*F25 + 1*F27 + 2*F28 - \\ & 1*F29 + 1*F30 - 1*F31 - 1*F32 - 1*F33 + 2*F34 - 1*F35 + 2*G4 - 3*G5 - \\ & 1*G7 + 1*G8 - 1*G10 + 1*G11 + 1*G12 - 2*G13 + 1*G14 - 2*G16 + 1*G18 - \\ & 1*G19 - 1*G22 - 2*G23 + 1*G24 - 2*G27 - 2*G28 + 3*G33 - 1*G34 - 1*G35 + \\ & 1*G38 - 1*G40 - 1*G41 + 2*G42 - 2*G43 - 1*G45 - 2*G46 - 2*G48 - 1*G49 - \\ & 1*G50 + 1*G52 - 4*G54 - 1*G56 - 2*G57 - 1*G58 - 1*G59 + 1*G60 + 3*G61 + \\ & 1*G62 + 1*G63 \end{aligned}$$

$$\begin{aligned} H5 * H133 = & 2^{-1} - 2*A1 + 1*B3 - 1*B0 - 1*C7 + 1*C4 - 1*C5 - 2*D6 + 4*D7 \\ & + 1*D10 + 1*D11 - 1*D12 + 2*E6 - 3*E7 + 2*E9 - 1*E11 + 1*E12 + 2*E13 + \\ & 1*E14 + 4*E15 - 1*E16 + 1*E17 + 1*E18 + 1*E19 - 1*E20 + 2*F6 - 1*F7 + \\ & 1*F8 - 3*F9 - 2*F10 + 2*F11 - 2*F12 - 2*F13 - 1*F14 - 2*F15 - 2*F18 - \\ & 1*F19 + 1*F20 + 1*F21 - 3*F23 + 1*F24 - 1*F25 - 2*F26 + 1*F28 + 2*F29 - \\ & 1*F30 + 1*F31 - 1*F32 - 1*F33 - 1*F34 + 2*F35 - 1*F36 + 2*G5 - 3*G6 - \\ & 1*G8 + 1*G9 - 1*G11 + 1*G12 + 1*G13 - 2*G14 + 1*G15 - 2*G17 + 1*G19 - \\ & 1*G20 - 1*G23 - 2*G24 + 1*G25 - 2*G28 - 2*G29 + 3*G34 - 1*G35 - 1*G36 + \\ & 1*G39 - 1*G41 - 1*G42 + 2*G43 - 2*G44 - 1*G46 - 2*G47 - 2*G49 - 1*G50 - \\ & 1*G51 + 1*G53 - 4*G55 - 1*G57 - 2*G58 - 1*G59 - 1*G60 + 1*G61 + 3*G62 + \\ & 1*G63 + 1*G64 \end{aligned}$$

$$\begin{aligned} H6 * H134 = & 2^{-1} - 2*A0 + 1*B0 - 1*B1 - 1*C4 + 1*C2 - 1*C3 - 2*D7 + 4*D8 \\ & + 1*D11 + 1*D12 - 1*D13 + 2*E7 - 3*E8 + 2*E10 - 1*E12 + 1*E13 + 2*E14 + \\ & 1*E15 + 4*E16 - 1*E17 + 1*E18 + 1*E19 + 1*E20 - 1*E21 + 2*F7 - 1*F8 + \\ & 1*F9 - 3*F10 - 2*F11 + 2*F12 - 2*F13 - 2*F14 - 1*F15 - 2*F16 - 2*F19 - \\ & 1*F20 + 1*F21 + 1*F22 - 3*F24 + 1*F25 - 1*F26 - 2*F27 + 1*F29 + 2*F30 - \\ & 1*F31 + 1*F32 - 1*F33 - 1*F34 - 1*F35 + 2*F36 - 1*F37 + 2*G6 - 3*G7 - \\ & 1*G9 + 1*G10 - 1*G12 + 1*G13 + 1*G14 - 2*G15 + 1*G16 - 2*G18 + 1*G20 - \\ & 1*G21 - 1*G24 - 2*G25 + 1*G26 - 2*G29 - 2*G30 + 3*G35 - 1*G36 - 1*G37 + \\ & 1*G40 - 1*G42 - 1*G43 + 2*G44 - 2*G45 - 1*G47 - 2*G48 - 2*G50 - 1*G51 - \\ & 1*G52 + 1*G54 - 4*G56 - 1*G58 - 2*G59 - 1*G60 - 1*G61 + 1*G62 + 3*G63 + \\ & 1*G64 + 1*G65 \end{aligned}$$

$$\begin{aligned} H7 * H135 = & 2^{-1} - 2*A1 + 1*B1 - 1*B2 - 1*C2 + 1*C5 - 1*C0 - 2*D8 + 4*D9 \\ & + 1*D12 + 1*D13 - 1*D14 + 2*E8 - 3*E9 + 2*E11 - 1*E13 + 1*E14 + 2*E15 + \\ & 1*E16 + 4*E17 - 1*E18 + 1*E19 + 1*E20 + 1*E21 - 1*E22 + 2*F8 - 1*F9 + \\ & 1*F10 - 3*F11 - 2*F12 + 2*F13 - 2*F14 - 2*F15 - 1*F16 - 2*F17 - 2*F20 - \\ & 1*F21 + 1*F22 + 1*F23 - 3*F25 + 1*F26 - 1*F27 - 2*F28 + 1*F30 + 2*F31 - \\ & 1*F32 + 1*F33 - 1*F34 - 1*F35 - 1*F36 + 2*F37 - 1*F38 + 2*G7 - 3*G8 - \\ & 1*G10 + 1*G11 - 1*G13 + 1*G14 + 1*G15 - 2*G16 + 1*G17 - 2*G19 + 1*G21 - \\ & 1*G22 - 1*G25 - 2*G26 + 1*G27 - 2*G30 - 2*G31 + 3*G36 - 1*G37 - 1*G38 + \\ & 1*G41 - 1*G43 - 1*G44 + 2*G45 - 2*G46 - 1*G48 - 2*G49 - 2*G51 - 1*G52 - \end{aligned}$$

$$1*G53 + 1*G55 - 4*G57 - 1*G59 - 2*G60 - 1*G61 - 1*G62 + 1*G63 + 3*G64 + 1*G65 + 1*G66$$

$$\begin{aligned} H8 * H136 = & 2^{-1} - 2*A0 + 1*B2 - 1*B3 - 1*C5 + 1*C3 - 1*C6 - 2*D9 + 4*D10 \\ & + 1*D13 + 1*D14 - 1*D15 + 2*E9 - 3*E10 + 2*E12 - 1*E14 + 1*E15 + 2*E16 + \\ & 1*E17 + 4*E18 - 1*E19 + 1*E20 + 1*E21 + 1*E22 - 1*E23 + 2*F9 - 1*F10 + \\ & 1*F11 - 3*F12 - 2*F13 + 2*F14 - 2*F15 - 2*F16 - 1*F17 - 2*F18 - 2*F21 - \\ & 1*F22 + 1*F23 + 1*F24 - 3*F26 + 1*F27 - 1*F28 - 2*F29 + 1*F31 + 2*F32 - \\ & 1*F33 + 1*F34 - 1*F35 - 1*F36 - 1*F37 + 2*F38 - 1*F39 + 2*G8 - 3*G9 - \\ & 1*G11 + 1*G12 - 1*G14 + 1*G15 + 1*G16 - 2*G17 + 1*G18 - 2*G20 + 1*G22 - \\ & 1*G23 - 1*G26 - 2*G27 + 1*G28 - 2*G31 - 2*G32 + 3*G37 - 1*G38 - 1*G39 + \\ & 1*G42 - 1*G44 - 1*G45 + 2*G46 - 2*G47 - 1*G49 - 2*G50 - 2*G52 - 1*G53 - \\ & 1*G54 + 1*G56 - 4*G58 - 1*G60 - 2*G61 - 1*G62 - 1*G63 + 1*G64 + 3*G65 + \\ & 1*G66 + 1*G67 \end{aligned}$$

$$\begin{aligned} H9 * H137 = & 2^{-1} - 2*A1 + 1*B3 - 1*B0 - 1*C3 + 1*C0 - 1*C1 - 2*D10 + \\ & 4*D11 + 1*D14 + 1*D15 - 1*D0 + 2*E10 - 3*E11 + 2*E13 - 1*E15 + 1*E16 + \\ & 2*E17 + 1*E18 + 4*E19 - 1*E20 + 1*E21 + 1*E22 + 1*E23 - 1*E24 + 2*F10 - \\ & 1*F11 + 1*F12 - 3*F13 - 2*F14 + 2*F15 - 2*F16 - 2*F17 - 1*F18 - 2*F19 - \\ & 2*F22 - 1*F23 + 1*F24 + 1*F25 - 3*F27 + 1*F28 - 1*F29 - 2*F30 + 1*F32 + \\ & 2*F33 - 1*F34 + 1*F35 - 1*F36 - 1*F37 - 1*F38 + 2*F39 - 1*F40 + 2*G9 - \\ & 3*G10 - 1*G12 + 1*G13 - 1*G15 + 1*G16 + 1*G17 - 2*G18 + 1*G19 - 2*G21 + \\ & 1*G23 - 1*G24 - 1*G27 - 2*G28 + 1*G29 - 2*G32 - 2*G33 + 3*G38 - 1*G39 - \\ & 1*G40 + 1*G43 - 1*G45 - 1*G46 + 2*G47 - 2*G48 - 1*G50 - 2*G51 - 2*G53 - \\ & 1*G54 - 1*G55 + 1*G57 - 4*G59 - 1*G61 - 2*G62 - 1*G63 - 1*G64 + 1*G65 + \\ & 3*G66 + 1*G67 + 1*G68 \end{aligned}$$

$$\begin{aligned} H10 * H138 = & 2^{-1} - 2*A0 + 1*B0 - 1*B1 - 1*C0 + 1*C6 - 1*C7 - 2*D11 + \\ & 4*D12 + 1*D15 + 1*D0 - 1*D1 + 2*E11 - 3*E12 + 2*E14 - 1*E16 + 1*E17 + \\ & 2*E18 + 1*E19 + 4*E20 - 1*E21 + 1*E22 + 1*E23 + 1*E24 - 1*E25 + 2*F11 - \\ & 1*F12 + 1*F13 - 3*F14 - 2*F15 + 2*F16 - 2*F17 - 2*F18 - 1*F19 - 2*F20 - \\ & 2*F23 - 1*F24 + 1*F25 + 1*F26 - 3*F28 + 1*F29 - 1*F30 - 2*F31 + 1*F33 + \\ & 2*F34 - 1*F35 + 1*F36 - 1*F37 - 1*F38 - 1*F39 + 2*F40 - 1*F41 + 2*G10 - \\ & 3*G11 - 1*G13 + 1*G14 - 1*G16 + 1*G17 + 1*G18 - 2*G19 + 1*G20 - 2*G22 + \\ & 1*G24 - 1*G25 - 1*G28 - 2*G29 + 1*G30 - 2*G33 - 2*G34 + 3*G39 - 1*G40 - \\ & 1*G41 + 1*G44 - 1*G46 - 1*G47 + 2*G48 - 2*G49 - 1*G51 - 2*G52 - 2*G54 - \\ & 1*G55 - 1*G56 + 1*G58 - 4*G60 - 1*G62 - 2*G63 - 1*G64 - 1*G65 + 1*G66 + \\ & 3*G67 + 1*G68 + 1*G69 \end{aligned}$$

$$\begin{aligned} H11 * H139 = & 2^{-1} - 2*A1 + 1*B1 - 1*B2 - 1*C6 + 1*C1 - 1*C4 - 2*D12 + \\ & 4*D13 + 1*D0 + 1*D1 - 1*D2 + 2*E12 - 3*E13 + 2*E15 - 1*E17 + 1*E18 + \\ & 2*E19 + 1*E20 + 4*E21 - 1*E22 + 1*E23 + 1*E24 + 1*E25 - 1*E26 + 2*F12 - \\ & 1*F13 + 1*F14 - 3*F15 - 2*F16 + 2*F17 - 2*F18 - 2*F19 - 1*F20 - 2*F21 - \\ & 2*F24 - 1*F25 + 1*F26 + 1*F27 - 3*F29 + 1*F30 - 1*F31 - 2*F32 + 1*F34 + \\ & 2*F35 - 1*F36 + 1*F37 - 1*F38 - 1*F39 - 1*F40 + 2*F41 - 1*F42 + 2*G11 - \\ & 3*G12 - 1*G14 + 1*G15 - 1*G17 + 1*G18 + 1*G19 - 2*G20 + 1*G21 - 2*G23 + \\ & 1*G25 - 1*G26 - 1*G29 - 2*G30 + 1*G31 - 2*G34 - 2*G35 + 3*G40 - 1*G41 - \\ & 1*G42 + 1*G45 - 1*G47 - 1*G48 + 2*G49 - 2*G50 - 1*G52 - 2*G53 - 2*G55 - \\ & 1*G56 - 1*G57 + 1*G59 - 4*G61 - 1*G63 - 2*G64 - 1*G65 - 1*G66 + 1*G67 + \\ & 3*G68 + 1*G69 + 1*G70 \end{aligned}$$

$$\begin{aligned} H12 * H140 = & 2^{-1} - 2*A0 + 1*B2 - 1*B3 - 1*C1 + 1*C7 - 1*C2 - 2*D13 + \\ & 4*D14 + 1*D1 + 1*D2 - 1*D3 + 2*E13 - 3*E14 + 2*E16 - 1*E18 + 1*E19 + \\ & 2*E20 + 1*E21 + 4*E22 - 1*E23 + 1*E24 + 1*E25 + 1*E26 - 1*E27 + 2*F13 - \\ & 1*F14 + 1*F15 - 3*F16 - 2*F17 + 2*F18 - 2*F19 - 2*F20 - 1*F21 - 2*F22 - \\ & 2*F25 - 1*F26 + 1*F27 + 1*F28 - 3*F30 + 1*F31 - 1*F32 - 2*F33 + 1*F35 + \\ & 2*F36 - 1*F37 + 1*F38 - 1*F39 - 1*F40 - 1*F41 + 2*F42 - 1*F43 + 2*G12 - \\ & 3*G13 - 1*G15 + 1*G16 - 1*G18 + 1*G19 + 1*G20 - 2*G21 + 1*G22 - 2*G24 + \\ & 1*G26 - 1*G27 - 1*G30 - 2*G31 + 1*G32 - 2*G35 - 2*G36 + 3*G41 - 1*G42 - \\ & 1*G43 + 1*G46 - 1*G48 - 1*G49 + 2*G50 - 2*G51 - 1*G53 - 2*G54 - 2*G56 - \end{aligned}$$

$$1*G57 - 1*G58 + 1*G60 - 4*G62 - 1*G64 - 2*G65 - 1*G66 - 1*G67 + 1*G68 + 3*G69 + 1*G70 + 1*G71$$

$$\begin{aligned} H13 * H141 = & 2^{-1} - 2*A1 + 1*B3 - 1*B0 - 1*C7 + 1*C4 - 1*C5 - 2*D14 + \\ & 4*D15 + 1*D2 + 1*D3 - 1*D4 + 2*E14 - 3*E15 + 2*E17 - 1*E19 + 1*E20 + \\ & 2*E21 + 1*E22 + 4*E23 - 1*E24 + 1*E25 + 1*E26 + 1*E27 - 1*E28 + 2*F14 - \\ & 1*F15 + 1*F16 - 3*F17 - 2*F18 + 2*F19 - 2*F20 - 2*F21 - 1*F22 - 2*F23 - \\ & 2*F26 - 1*F27 + 1*F28 + 1*F29 - 3*F31 + 1*F32 - 1*F33 - 2*F34 + 1*F36 + \\ & 2*F37 - 1*F38 + 1*F39 - 1*F40 - 1*F41 - 1*F42 + 2*F43 - 1*F44 + 2*G13 - \\ & 3*G14 - 1*G16 + 1*G17 - 1*G19 + 1*G20 + 1*G21 - 2*G22 + 1*G23 - 2*G25 + \\ & 1*G27 - 1*G28 - 1*G31 - 2*G32 + 1*G33 - 2*G36 - 2*G37 + 3*G42 - 1*G43 - \\ & 1*G44 + 1*G47 - 1*G49 - 1*G50 + 2*G51 - 2*G52 - 1*G54 - 2*G55 - 2*G57 - \\ & 1*G58 - 1*G59 + 1*G61 - 4*G63 - 1*G65 - 2*G66 - 1*G67 - 1*G68 + 1*G69 + \\ & 3*G70 + 1*G71 + 1*G72 \end{aligned}$$

$$\begin{aligned} H14 * H142 = & 2^{-1} - 2*A0 + 1*B0 - 1*B1 - 1*C4 + 1*C2 - 1*C3 - 2*D15 + \\ & 4*D0 + 1*D3 + 1*D4 - 1*D5 + 2*E15 - 3*E16 + 2*E18 - 1*E20 + 1*E21 + 2*E22 \\ & + 1*E23 + 4*E24 - 1*E25 + 1*E26 + 1*E27 + 1*E28 - 1*E29 + 2*F15 - 1*F16 + \\ & 1*F17 - 3*F18 - 2*F19 + 2*F20 - 2*F21 - 2*F22 - 1*F23 - 2*F24 - 2*F27 - \\ & 1*F28 + 1*F29 + 1*F30 - 3*F32 + 1*F33 - 1*F34 - 2*F35 + 1*F37 + 2*F38 - \\ & 1*F39 + 1*F40 - 1*F41 - 1*F42 - 1*F43 + 2*F44 - 1*F45 + 2*G14 - 3*G15 - \\ & 1*G17 + 1*G18 - 1*G20 + 1*G21 + 1*G22 - 2*G23 + 1*G24 - 2*G26 + 1*G28 - \\ & 1*G29 - 1*G32 - 2*G33 + 1*G34 - 2*G37 - 2*G38 + 3*G43 - 1*G44 - 1*G45 + \\ & 1*G48 - 1*G50 - 1*G51 + 2*G52 - 2*G53 - 1*G55 - 2*G56 - 2*G58 - 1*G59 - \\ & 1*G60 + 1*G62 - 4*G64 - 1*G66 - 2*G67 - 1*G68 - 1*G69 + 1*G70 + 3*G71 + \\ & 1*G72 + 1*G73 \end{aligned}$$

$$\begin{aligned} H15 * H143 = & 2^{-1} - 2*A1 + 1*B1 - 1*B2 - 1*C2 + 1*C5 - 1*C0 - 2*D0 + 4*D1 \\ & + 1*D4 + 1*D5 - 1*D6 + 2*E16 - 3*E17 + 2*E19 - 1*E21 + 1*E22 + 2*E23 + \\ & 1*E24 + 4*E25 - 1*E26 + 1*E27 + 1*E28 + 1*E29 - 1*E30 + 2*F16 - 1*F17 + \\ & 1*F18 - 3*F19 - 2*F20 + 2*F21 - 2*F22 - 2*F23 - 1*F24 - 2*F25 - 2*F28 - \\ & 1*F29 + 1*F30 + 1*F31 - 3*F33 + 1*F34 - 1*F35 - 2*F36 + 1*F38 + 2*F39 - \\ & 1*F40 + 1*F41 - 1*F42 - 1*F43 - 1*F44 + 2*F45 - 1*F46 + 2*G15 - 3*G16 - \\ & 1*G18 + 1*G19 - 1*G21 + 1*G22 + 1*G23 - 2*G24 + 1*G25 - 2*G27 + 1*G29 - \\ & 1*G30 - 1*G33 - 2*G34 + 1*G35 - 2*G38 - 2*G39 + 3*G44 - 1*G45 - 1*G46 + \\ & 1*G49 - 1*G51 - 1*G52 + 2*G53 - 2*G54 - 1*G56 - 2*G57 - 2*G59 - 1*G60 - \\ & 1*G61 + 1*G63 - 4*G65 - 1*G67 - 2*G68 - 1*G69 - 1*G70 + 1*G71 + 3*G72 + \\ & 1*G73 + 1*G74 \end{aligned}$$

$$\begin{aligned} H16 * H144 = & 2^{-1} - 2*A0 + 1*B2 - 1*B3 - 1*C5 + 1*C3 - 1*C6 - 2*D1 + 4*D2 \\ & + 1*D5 + 1*D6 - 1*D7 + 2*E17 - 3*E18 + 2*E20 - 1*E22 + 1*E23 + 2*E24 + \\ & 1*E25 + 4*E26 - 1*E27 + 1*E28 + 1*E29 + 1*E30 - 1*E31 + 2*F17 - 1*F18 + \\ & 1*F19 - 3*F20 - 2*F21 + 2*F22 - 2*F23 - 2*F24 - 1*F25 - 2*F26 - 2*F29 - \\ & 1*F30 + 1*F31 + 1*F32 - 3*F34 + 1*F35 - 1*F36 - 2*F37 + 1*F39 + 2*F40 - \\ & 1*F41 + 1*F42 - 1*F43 - 1*F44 - 1*F45 + 2*F46 - 1*F47 + 2*G16 - 3*G17 - \\ & 1*G19 + 1*G20 - 1*G22 + 1*G23 + 1*G24 - 2*G25 + 1*G26 - 2*G28 + 1*G30 - \\ & 1*G31 - 1*G34 - 2*G35 + 1*G36 - 2*G39 - 2*G40 + 3*G45 - 1*G46 - 1*G47 + \\ & 1*G50 - 1*G52 - 1*G53 + 2*G54 - 2*G55 - 1*G57 - 2*G58 - 2*G60 - 1*G61 - \\ & 1*G62 + 1*G64 - 4*G66 - 1*G68 - 2*G69 - 1*G70 - 1*G71 + 1*G72 + 3*G73 + \\ & 1*G74 + 1*G75 \end{aligned}$$

$$\begin{aligned} H17 * H145 = & 2^{-1} - 2*A1 + 1*B3 - 1*B0 - 1*C3 + 1*C0 - 1*C1 - 2*D2 + 4*D3 \\ & + 1*D6 + 1*D7 - 1*D8 + 2*E18 - 3*E19 + 2*E21 - 1*E23 + 1*E24 + 2*E25 + \\ & 1*E26 + 4*E27 - 1*E28 + 1*E29 + 1*E30 + 1*E31 - 1*E0 + 2*F18 - 1*F19 + \\ & 1*F20 - 3*F21 - 2*F22 + 2*F23 - 2*F24 - 2*F25 - 1*F26 - 2*F27 - 2*F30 - \\ & 1*F31 + 1*F32 + 1*F33 - 3*F35 + 1*F36 - 1*F37 - 2*F38 + 1*F40 + 2*F41 - \\ & 1*F42 + 1*F43 - 1*F44 - 1*F45 - 1*F46 + 2*F47 - 1*F48 + 2*G17 - 3*G18 - \\ & 1*G20 + 1*G21 - 1*G23 + 1*G24 + 1*G25 - 2*G26 + 1*G27 - 2*G29 + 1*G31 - \\ & 1*G32 - 1*G35 - 2*G36 + 1*G37 - 2*G40 - 2*G41 + 3*G46 - 1*G47 - 1*G48 + \\ & 1*G51 - 1*G53 - 1*G54 + 2*G55 - 2*G56 - 1*G58 - 2*G59 - 2*G61 - 1*G62 - \end{aligned}$$

$$1*G63 + 1*G65 - 4*G67 - 1*G69 - 2*G70 - 1*G71 - 1*G72 + 1*G73 + 3*G74 + 1*G75 + 1*G76$$

$$\begin{aligned} H18 * H146 = & 2*-1 - 2*A0 + 1*B0 - 1*B1 - 1*C0 + 1*C6 - 1*C7 - 2*D3 + 4*D4 \\ & + 1*D7 + 1*D8 - 1*D9 + 2*E19 - 3*E20 + 2*E22 - 1*E24 + 1*E25 + 2*E26 + \\ & 1*E27 + 4*E28 - 1*E29 + 1*E30 + 1*E31 + 1*E0 - 1*E1 + 2*F19 - 1*F20 + \\ & 1*F21 - 3*F22 - 2*F23 + 2*F24 - 2*F25 - 2*F26 - 1*F27 - 2*F28 - 2*F31 - \\ & 1*F32 + 1*F33 + 1*F34 - 3*F36 + 1*F37 - 1*F38 - 2*F39 + 1*F41 + 2*F42 - \\ & 1*F43 + 1*F44 - 1*F45 - 1*F46 - 1*F47 + 2*F48 - 1*F49 + 2*G18 - 3*G19 - \\ & 1*G21 + 1*G22 - 1*G24 + 1*G25 + 1*G26 - 2*G27 + 1*G28 - 2*G30 + 1*G32 - \\ & 1*G33 - 1*G36 - 2*G37 + 1*G38 - 2*G41 - 2*G42 + 3*G47 - 1*G48 - 1*G49 + \\ & 1*G52 - 1*G54 - 1*G55 + 2*G56 - 2*G57 - 1*G59 - 2*G60 - 2*G62 - 1*G63 - \\ & 1*G64 + 1*G66 - 4*G68 - 1*G70 - 2*G71 - 1*G72 - 1*G73 + 1*G74 + 3*G75 + \\ & 1*G76 + 1*G77 \end{aligned}$$

$$\begin{aligned} H19 * H147 = & 2*-1 - 2*A1 + 1*B1 - 1*B2 - 1*C6 + 1*C1 - 1*C4 - 2*D4 + 4*D5 \\ & + 1*D8 + 1*D9 - 1*D10 + 2*E20 - 3*E21 + 2*E23 - 1*E25 + 1*E26 + 2*E27 + \\ & 1*E28 + 4*E29 - 1*E30 + 1*E31 + 1*E0 + 1*E1 - 1*E2 + 2*F20 - 1*F21 + \\ & 1*F22 - 3*F23 - 2*F24 + 2*F25 - 2*F26 - 2*F27 - 1*F28 - 2*F29 - 2*F32 - \\ & 1*F33 + 1*F34 + 1*F35 - 3*F37 + 1*F38 - 1*F39 - 2*F40 + 1*F42 + 2*F43 - \\ & 1*F44 + 1*F45 - 1*F46 - 1*F47 - 1*F48 + 2*F49 - 1*F50 + 2*G19 - 3*G20 - \\ & 1*G22 + 1*G23 - 1*G25 + 1*G26 + 1*G27 - 2*G28 + 1*G29 - 2*G31 + 1*G33 - \\ & 1*G34 - 1*G37 - 2*G38 + 1*G39 - 2*G42 - 2*G43 + 3*G48 - 1*G49 - 1*G50 + \\ & 1*G53 - 1*G55 - 1*G56 + 2*G57 - 2*G58 - 1*G60 - 2*G61 - 2*G63 - 1*G64 - \\ & 1*G65 + 1*G67 - 4*G69 - 1*G71 - 2*G72 - 1*G73 - 1*G74 + 1*G75 + 3*G76 + \\ & 1*G77 + 1*G78 \end{aligned}$$

$$\begin{aligned} H20 * H148 = & 2*-1 - 2*A0 + 1*B2 - 1*B3 - 1*C1 + 1*C7 - 1*C2 - 2*D5 + 4*D6 \\ & + 1*D9 + 1*D10 - 1*D11 + 2*E21 - 3*E22 + 2*E24 - 1*E26 + 1*E27 + 2*E28 + \\ & 1*E29 + 4*E30 - 1*E31 + 1*E0 + 1*E1 + 1*E2 - 1*E3 + 2*F21 - 1*F22 + 1*F23 \\ & - 3*F24 - 2*F25 + 2*F26 - 2*F27 - 2*F28 - 1*F29 - 2*F30 - 2*F33 - 1*F34 + \\ & 1*F35 + 1*F36 - 3*F38 + 1*F39 - 1*F40 - 2*F41 + 1*F43 + 2*F44 - 1*F45 + \\ & 1*F46 - 1*F47 - 1*F48 - 1*F49 + 2*F50 - 1*F51 + 2*G20 - 3*G21 - 1*G23 + \\ & 1*G24 - 1*G26 + 1*G27 + 1*G28 - 2*G29 + 1*G30 - 2*G32 + 1*G34 - 1*G35 - \\ & 1*G38 - 2*G39 + 1*G40 - 2*G43 - 2*G44 + 3*G49 - 1*G50 - 1*G51 + 1*G54 - \\ & 1*G56 - 1*G57 + 2*G58 - 2*G59 - 1*G61 - 2*G62 - 2*G64 - 1*G65 - 1*G66 + \\ & 1*G68 - 4*G70 - 1*G72 - 2*G73 - 1*G74 - 1*G75 + 1*G76 + 3*G77 + 1*G78 + \\ & 1*G79 \end{aligned}$$

$$\begin{aligned} H21 * H149 = & 2*-1 - 2*A1 + 1*B3 - 1*B0 - 1*C7 + 1*C4 - 1*C5 - 2*D6 + 4*D7 \\ & + 1*D10 + 1*D11 - 1*D12 + 2*E22 - 3*E23 + 2*E25 - 1*E27 + 1*E28 + 2*E29 + \\ & 1*E30 + 4*E31 - 1*E0 + 1*E1 + 1*E2 + 1*E3 - 1*E4 + 2*F22 - 1*F23 + 1*F24 \\ & - 3*F25 - 2*F26 + 2*F27 - 2*F28 - 2*F29 - 1*F30 - 2*F31 - 2*F34 - 1*F35 + \\ & 1*F36 + 1*F37 - 3*F39 + 1*F40 - 1*F41 - 2*F42 + 1*F44 + 2*F45 - 1*F46 + \\ & 1*F47 - 1*F48 - 1*F49 - 1*F50 + 2*F51 - 1*F52 + 2*G21 - 3*G22 - 1*G24 + \\ & 1*G25 - 1*G27 + 1*G28 + 1*G29 - 2*G30 + 1*G31 - 2*G33 + 1*G35 - 1*G36 - \\ & 1*G39 - 2*G40 + 1*G41 - 2*G44 - 2*G45 + 3*G50 - 1*G51 - 1*G52 + 1*G55 - \\ & 1*G57 - 1*G58 + 2*G59 - 2*G60 - 1*G62 - 2*G63 - 2*G65 - 1*G66 - 1*G67 + \\ & 1*G69 - 4*G71 - 1*G73 - 2*G74 - 1*G75 - 1*G76 + 1*G77 + 3*G78 + 1*G79 + \\ & 1*G80 \end{aligned}$$

$$\begin{aligned} H22 * H150 = & 2*-1 - 2*A0 + 1*B0 - 1*B1 - 1*C4 + 1*C2 - 1*C3 - 2*D7 + 4*D8 \\ & + 1*D11 + 1*D12 - 1*D13 + 2*E23 - 3*E24 + 2*E26 - 1*E28 + 1*E29 + 2*E30 + \\ & 1*E31 + 4*E0 - 1*E1 + 1*E2 + 1*E3 + 1*E4 - 1*E5 + 2*F23 - 1*F24 + 1*F25 - \\ & 3*F26 - 2*F27 + 2*F28 - 2*F29 - 2*F30 - 1*F31 - 2*F32 - 2*F35 - 1*F36 + \\ & 1*F37 + 1*F38 - 3*F40 + 1*F41 - 1*F42 - 2*F43 + 1*F45 + 2*F46 - 1*F47 + \\ & 1*F48 - 1*F49 - 1*F50 - 1*F51 + 2*F52 - 1*F53 + 2*G22 - 3*G23 - 1*G25 + \\ & 1*G26 - 1*G28 + 1*G29 + 1*G30 - 2*G31 + 1*G32 - 2*G34 + 1*G36 - 1*G37 - \\ & 1*G40 - 2*G41 + 1*G42 - 2*G45 - 2*G46 + 3*G51 - 1*G52 - 1*G53 + 1*G56 - \\ & 1*G58 - 1*G59 + 2*G60 - 2*G61 - 1*G63 - 2*G64 - 2*G66 - 1*G67 - 1*G68 + \end{aligned}$$

$$1*G70 - 4*G72 - 1*G74 - 2*G75 - 1*G76 - 1*G77 + 1*G78 + 3*G79 + 1*G80 + 1*G81$$

$$\begin{aligned} H23 * H151 = & 2^{-1} - 2*A1 + 1*B1 - 1*B2 - 1*C2 + 1*C5 - 1*C0 - 2*D8 + 4*D9 \\ & + 1*D12 + 1*D13 - 1*D14 + 2*E24 - 3*E25 + 2*E27 - 1*E29 + 1*E30 + 2*E31 + \\ & 1*E0 + 4*E1 - 1*E2 + 1*E3 + 1*E4 + 1*E5 - 1*E6 + 2*F24 - 1*F25 + 1*F26 - \\ & 3*F27 - 2*F28 + 2*F29 - 2*F30 - 2*F31 - 1*F32 - 2*F33 - 2*F36 - 1*F37 + \\ & 1*F38 + 1*F39 - 3*F41 + 1*F42 - 1*F43 - 2*F44 + 1*F46 + 2*F47 - 1*F48 + \\ & 1*F49 - 1*F50 - 1*F51 - 1*F52 + 2*F53 - 1*F54 + 2*G23 - 3*G24 - 1*G26 + \\ & 1*G27 - 1*G29 + 1*G30 + 1*G31 - 2*G32 + 1*G33 - 2*G35 + 1*G37 - 1*G38 - \\ & 1*G41 - 2*G42 + 1*G43 - 2*G46 - 2*G47 + 3*G52 - 1*G53 - 1*G54 + 1*G57 - \\ & 1*G59 - 1*G60 + 2*G61 - 2*G62 - 1*G64 - 2*G65 - 2*G67 - 1*G68 - 1*G69 + \\ & 1*G71 - 4*G73 - 1*G75 - 2*G76 - 1*G77 - 1*G78 + 1*G79 + 3*G80 + 1*G81 + \\ & 1*G82 \end{aligned}$$

$$\begin{aligned} H24 * H152 = & 2^{-1} - 2*A0 + 1*B2 - 1*B3 - 1*C5 + 1*C3 - 1*C6 - 2*D9 + \\ & 4*D10 + 1*D13 + 1*D14 - 1*D15 + 2*E25 - 3*E26 + 2*E28 - 1*E30 + 1*E31 + \\ & 2*E0 + 1*E1 + 4*E2 - 1*E3 + 1*E4 + 1*E5 + 1*E6 - 1*E7 + 2*F25 - 1*F26 + \\ & 1*F27 - 3*F28 - 2*F29 + 2*F30 - 2*F31 - 2*F32 - 1*F33 - 2*F34 - 2*F37 - \\ & 1*F38 + 1*F39 + 1*F40 - 3*F42 + 1*F43 - 1*F44 - 2*F45 + 1*F47 + 2*F48 - \\ & 1*F49 + 1*F50 - 1*F51 - 1*F52 - 1*F53 + 2*F54 - 1*F55 + 2*G24 - 3*G25 - \\ & 1*G27 + 1*G28 - 1*G30 + 1*G31 + 1*G32 - 2*G33 + 1*G34 - 2*G36 + 1*G38 - \\ & 1*G39 - 1*G42 - 2*G43 + 1*G44 - 2*G47 - 2*G48 + 3*G53 - 1*G54 - 1*G55 + \\ & 1*G58 - 1*G60 - 1*G61 + 2*G62 - 2*G63 - 1*G65 - 2*G66 - 2*G68 - 1*G69 - \\ & 1*G70 + 1*G72 - 4*G74 - 1*G76 - 2*G77 - 1*G78 - 1*G79 + 1*G80 + 3*G81 + \\ & 1*G82 + 1*G83 \end{aligned}$$

$$\begin{aligned} H25 * H153 = & 2^{-1} - 2*A1 + 1*B3 - 1*B0 - 1*C3 + 1*C0 - 1*C1 - 2*D10 + \\ & 4*D11 + 1*D14 + 1*D15 - 1*D0 + 2*E26 - 3*E27 + 2*E29 - 1*E31 + 1*E0 + \\ & 2*E1 + 1*E2 + 4*E3 - 1*E4 + 1*E5 + 1*E6 + 1*E7 - 1*E8 + 2*F26 - 1*F27 + \\ & 1*F28 - 3*F29 - 2*F30 + 2*F31 - 2*F32 - 2*F33 - 1*F34 - 2*F35 - 2*F38 - \\ & 1*F39 + 1*F40 + 1*F41 - 3*F43 + 1*F44 - 1*F45 - 2*F46 + 1*F48 + 2*F49 - \\ & 1*F50 + 1*F51 - 1*F52 - 1*F53 - 1*F54 + 2*F55 - 1*F56 + 2*G25 - 3*G26 - \\ & 1*G28 + 1*G29 - 1*G31 + 1*G32 + 1*G33 - 2*G34 + 1*G35 - 2*G37 + 1*G39 - \\ & 1*G40 - 1*G43 - 2*G44 + 1*G45 - 2*G48 - 2*G49 + 3*G54 - 1*G55 - 1*G56 + \\ & 1*G59 - 1*G61 - 1*G62 + 2*G63 - 2*G64 - 1*G66 - 2*G67 - 2*G69 - 1*G70 - \\ & 1*G71 + 1*G73 - 4*G75 - 1*G77 - 2*G78 - 1*G79 - 1*G80 + 1*G81 + 3*G82 + \\ & 1*G83 + 1*G84 \end{aligned}$$

$$\begin{aligned} H26 * H154 = & 2^{-1} - 2*A0 + 1*B0 - 1*B1 - 1*C0 + 1*C6 - 1*C7 - 2*D11 + \\ & 4*D12 + 1*D15 + 1*D0 - 1*D1 + 2*E27 - 3*E28 + 2*E30 - 1*E0 + 1*E1 + 2*E2 \\ & + 1*E3 + 4*E4 - 1*E5 + 1*E6 + 1*E7 + 1*E8 - 1*E9 + 2*F27 - 1*F28 + 1*F29 \\ & - 3*F30 - 2*F31 + 2*F32 - 2*F33 - 2*F34 - 1*F35 - 2*F36 - 2*F39 - 1*F40 + \\ & 1*F41 + 1*F42 - 3*F44 + 1*F45 - 1*F46 - 2*F47 + 1*F49 + 2*F50 - 1*F51 + \\ & 1*F52 - 1*F53 - 1*F54 - 1*F55 + 2*F56 - 1*F57 + 2*G26 - 3*G27 - 1*G29 + \\ & 1*G30 - 1*G32 + 1*G33 + 1*G34 - 2*G35 + 1*G36 - 2*G38 + 1*G40 - 1*G41 - \\ & 1*G44 - 2*G45 + 1*G46 - 2*G49 - 2*G50 + 3*G55 - 1*G56 - 1*G57 + 1*G60 - \\ & 1*G62 - 1*G63 + 2*G64 - 2*G65 - 1*G67 - 2*G68 - 2*G70 - 1*G71 - 1*G72 + \\ & 1*G74 - 4*G76 - 1*G78 - 2*G79 - 1*G80 - 1*G81 + 1*G82 + 3*G83 + 1*G84 + \\ & 1*G85 \end{aligned}$$

$$\begin{aligned} H27 * H155 = & 2^{-1} - 2*A1 + 1*B1 - 1*B2 - 1*C6 + 1*C1 - 1*C4 - 2*D12 + \\ & 4*D13 + 1*D0 + 1*D1 - 1*D2 + 2*E28 - 3*E29 + 2*E31 - 1*E1 + 1*E2 + 2*E3 + \\ & 1*E4 + 4*E5 - 1*E6 + 1*E7 + 1*E8 + 1*E9 - 1*E10 + 2*F28 - 1*F29 + 1*F30 - \\ & 3*F31 - 2*F32 + 2*F33 - 2*F34 - 2*F35 - 1*F36 - 2*F37 - 2*F40 - 1*F41 + \\ & 1*F42 + 1*F43 - 3*F45 + 1*F46 - 1*F47 - 2*F48 + 1*F50 + 2*F51 - 1*F52 + \\ & 1*F53 - 1*F54 - 1*F55 - 1*F56 + 2*F57 - 1*F58 + 2*G27 - 3*G28 - 1*G30 + \\ & 1*G31 - 1*G33 + 1*G34 + 1*G35 - 2*G36 + 1*G37 - 2*G39 + 1*G41 - 1*G42 - \\ & 1*G45 - 2*G46 + 1*G47 - 2*G50 - 2*G51 + 3*G56 - 1*G57 - 1*G58 + 1*G61 - \\ & 1*G63 - 1*G64 + 2*G65 - 2*G66 - 1*G68 - 2*G69 - 2*G71 - 1*G72 - 1*G73 + \end{aligned}$$

$$1*G75 - 4*G77 - 1*G79 - 2*G80 - 1*G81 - 1*G82 + 1*G83 + 3*G84 + 1*G85 + 1*G86$$

$$\begin{aligned} H28 * H156 = & 2^{-1} - 2*A0 + 1*B2 - 1*B3 - 1*C1 + 1*C7 - 1*C2 - 2*D13 + \\ & 4*D14 + 1*D1 + 1*D2 - 1*D3 + 2*E29 - 3*E30 + 2*E0 - 1*E2 + 1*E3 + 2*E4 + \\ & 1*E5 + 4*E6 - 1*E7 + 1*E8 + 1*E9 + 1*E10 - 1*E11 + 2*F29 - 1*F30 + 1*F31 \\ & - 3*F32 - 2*F33 + 2*F34 - 2*F35 - 2*F36 - 1*F37 - 2*F38 - 2*F41 - 1*F42 + \\ & 1*F43 + 1*F44 - 3*F46 + 1*F47 - 1*F48 - 2*F49 + 1*F51 + 2*F52 - 1*F53 + \\ & 1*F54 - 1*F55 - 1*F56 - 1*F57 + 2*F58 - 1*F59 + 2*G28 - 3*G29 - 1*G31 + \\ & 1*G32 - 1*G34 + 1*G35 + 1*G36 - 2*G37 + 1*G38 - 2*G40 + 1*G42 - 1*G43 - \\ & 1*G46 - 2*G47 + 1*G48 - 2*G51 - 2*G52 + 3*G57 - 1*G58 - 1*G59 + 1*G62 - \\ & 1*G64 - 1*G65 + 2*G66 - 2*G67 - 1*G69 - 2*G70 - 2*G72 - 1*G73 - 1*G74 + \\ & 1*G76 - 4*G78 - 1*G80 - 2*G81 - 1*G82 - 1*G83 + 1*G84 + 3*G85 + 1*G86 + \\ & 1*G87 \end{aligned}$$

$$\begin{aligned} H29 * H157 = & 2^{-1} - 2*A1 + 1*B3 - 1*B0 - 1*C7 + 1*C4 - 1*C5 - 2*D14 + \\ & 4*D15 + 1*D2 + 1*D3 - 1*D4 + 2*E30 - 3*E31 + 2*E1 - 1*E3 + 1*E4 + 2*E5 + \\ & 1*E6 + 4*E7 - 1*E8 + 1*E9 + 1*E10 + 1*E11 - 1*E12 + 2*F30 - 1*F31 + 1*F32 \\ & - 3*F33 - 2*F34 + 2*F35 - 2*F36 - 2*F37 - 1*F38 - 2*F39 - 2*F42 - 1*F43 + \\ & 1*F44 + 1*F45 - 3*F47 + 1*F48 - 1*F49 - 2*F50 + 1*F52 + 2*F53 - 1*F54 + \\ & 1*F55 - 1*F56 - 1*F57 - 1*F58 + 2*F59 - 1*F60 + 2*G29 - 3*G30 - 1*G32 + \\ & 1*G33 - 1*G35 + 1*G36 + 1*G37 - 2*G38 + 1*G39 - 2*G41 + 1*G43 - 1*G44 - \\ & 1*G47 - 2*G48 + 1*G49 - 2*G52 - 2*G53 + 3*G58 - 1*G59 - 1*G60 + 1*G63 - \\ & 1*G65 - 1*G66 + 2*G67 - 2*G68 - 1*G70 - 2*G71 - 2*G73 - 1*G74 - 1*G75 + \\ & 1*G77 - 4*G79 - 1*G81 - 2*G82 - 1*G83 - 1*G84 + 1*G85 + 3*G86 + 1*G87 + \\ & 1*G88 \end{aligned}$$

$$\begin{aligned} H30 * H158 = & 2^{-1} - 2*A0 + 1*B0 - 1*B1 - 1*C4 + 1*C2 - 1*C3 - 2*D15 + \\ & 4*D0 + 1*D3 + 1*D4 - 1*D5 + 2*E31 - 3*E0 + 2*E2 - 1*E4 + 1*E5 + 2*E6 + \\ & 1*E7 + 4*E8 - 1*E9 + 1*E10 + 1*E11 + 1*E12 - 1*E13 + 2*F31 - 1*F32 + \\ & 1*F33 - 3*F34 - 2*F35 + 2*F36 - 2*F37 - 2*F38 - 1*F39 - 2*F40 - 2*F43 - \\ & 1*F44 + 1*F45 + 1*F46 - 3*F48 + 1*F49 - 1*F50 - 2*F51 + 1*F53 + 2*F54 - \\ & 1*F55 + 1*F56 - 1*F57 - 1*F58 - 1*F59 + 2*F60 - 1*F61 + 2*G30 - 3*G31 - \\ & 1*G33 + 1*G34 - 1*G36 + 1*G37 + 1*G38 - 2*G39 + 1*G40 - 2*G42 + 1*G44 - \\ & 1*G45 - 1*G48 - 2*G49 + 1*G50 - 2*G53 - 2*G54 + 3*G59 - 1*G60 - 1*G61 + \\ & 1*G64 - 1*G66 - 1*G67 + 2*G68 - 2*G69 - 1*G71 - 2*G72 - 2*G74 - 1*G75 - \\ & 1*G76 + 1*G78 - 4*G80 - 1*G82 - 2*G83 - 1*G84 - 1*G85 + 1*G86 + 3*G87 + \\ & 1*G88 + 1*G89 \end{aligned}$$

$$\begin{aligned} H31 * H159 = & 2^{-1} - 2*A1 + 1*B1 - 1*B2 - 1*C2 + 1*C5 - 1*C0 - 2*D0 + 4*D1 \\ & + 1*D4 + 1*D5 - 1*D6 + 2*E0 - 3*E1 + 2*E3 - 1*E5 + 1*E6 + 2*E7 + 1*E8 + \\ & 4*E9 - 1*E10 + 1*E11 + 1*E12 + 1*E13 - 1*E14 + 2*F32 - 1*F33 + 1*F34 - \\ & 3*F35 - 2*F36 + 2*F37 - 2*F38 - 2*F39 - 1*F40 - 2*F41 - 2*F44 - 1*F45 + \\ & 1*F46 + 1*F47 - 3*F49 + 1*F50 - 1*F51 - 2*F52 + 1*F54 + 2*F55 - 1*F56 + \\ & 1*F57 - 1*F58 - 1*F59 - 1*F60 + 2*F61 - 1*F62 + 2*G31 - 3*G32 - 1*G34 + \\ & 1*G35 - 1*G37 + 1*G38 + 1*G39 - 2*G40 + 1*G41 - 2*G43 + 1*G45 - 1*G46 - \\ & 1*G49 - 2*G50 + 1*G51 - 2*G54 - 2*G55 + 3*G60 - 1*G61 - 1*G62 + 1*G65 - \\ & 1*G67 - 1*G68 + 2*G69 - 2*G70 - 1*G72 - 2*G73 - 2*G75 - 1*G76 - 1*G77 + \\ & 1*G79 - 4*G81 - 1*G83 - 2*G84 - 1*G85 - 1*G86 + 1*G87 + 3*G88 + 1*G89 + \\ & 1*G90 \end{aligned}$$

$$\begin{aligned} H32 * H160 = & 2^{-1} - 2*A0 + 1*B2 - 1*B3 - 1*C5 + 1*C3 - 1*C6 - 2*D1 + 4*D2 \\ & + 1*D5 + 1*D6 - 1*D7 + 2*E1 - 3*E2 + 2*E4 - 1*E6 + 1*E7 + 2*E8 + 1*E9 + \\ & 4*E10 - 1*E11 + 1*E12 + 1*E13 + 1*E14 - 1*E15 + 2*F33 - 1*F34 + 1*F35 - \\ & 3*F36 - 2*F37 + 2*F38 - 2*F39 - 2*F40 - 1*F41 - 2*F42 - 2*F45 - 1*F46 + \\ & 1*F47 + 1*F48 - 3*F50 + 1*F51 - 1*F52 - 2*F53 + 1*F55 + 2*F56 - 1*F57 + \\ & 1*F58 - 1*F59 - 1*F60 - 1*F61 + 2*F62 - 1*F63 + 2*G32 - 3*G33 - 1*G35 + \\ & 1*G36 - 1*G38 + 1*G39 + 1*G40 - 2*G41 + 1*G42 - 2*G44 + 1*G46 - 1*G47 - \\ & 1*G50 - 2*G51 + 1*G52 - 2*G55 - 2*G56 + 3*G61 - 1*G62 - 1*G63 + 1*G66 - \\ & 1*G68 - 1*G69 + 2*G70 - 2*G71 - 1*G73 - 2*G74 - 2*G76 - 1*G77 - 1*G78 + \end{aligned}$$

$$1*G80 - 4*G82 - 1*G84 - 2*G85 - 1*G86 - 1*G87 + 1*G88 + 3*G89 + 1*G90 + 1*G91$$

$$\begin{aligned} H33 * H161 = & 2^{*-1} - 2*A1 + 1*B3 - 1*B0 - 1*C3 + 1*C0 - 1*C1 - 2*D2 + 4*D3 \\ & + 1*D6 + 1*D7 - 1*D8 + 2*E2 - 3*E3 + 2*E5 - 1*E7 + 1*E8 + 2*E9 + 1*E10 + \\ & 4*E11 - 1*E12 + 1*E13 + 1*E14 + 1*E15 - 1*E16 + 2*F34 - 1*F35 + 1*F36 - \\ & 3*F37 - 2*F38 + 2*F39 - 2*F40 - 2*F41 - 1*F42 - 2*F43 - 2*F46 - 1*F47 + \\ & 1*F48 + 1*F49 - 3*F51 + 1*F52 - 1*F53 - 2*F54 + 1*F56 + 2*F57 - 1*F58 + \\ & 1*F59 - 1*F60 - 1*F61 - 1*F62 + 2*F63 - 1*F0 + 2*G33 - 3*G34 - 1*G36 + \\ & 1*G37 - 1*G39 + 1*G40 + 1*G41 - 2*G42 + 1*G43 - 2*G45 + 1*G47 - 1*G48 - \\ & 1*G51 - 2*G52 + 1*G53 - 2*G56 - 2*G57 + 3*G62 - 1*G63 - 1*G64 + 1*G67 - \\ & 1*G69 - 1*G70 + 2*G71 - 2*G72 - 1*G74 - 2*G75 - 2*G77 - 1*G78 - 1*G79 + \\ & 1*G81 - 4*G83 - 1*G85 - 2*G86 - 1*G87 - 1*G88 + 1*G89 + 3*G90 + 1*G91 + \\ & 1*G92 \end{aligned}$$

$$\begin{aligned} H34 * H162 = & 2^{*-1} - 2*A0 + 1*B0 - 1*B1 - 1*C0 + 1*C6 - 1*C7 - 2*D3 + 4*D4 \\ & + 1*D7 + 1*D8 - 1*D9 + 2*E3 - 3*E4 + 2*E6 - 1*E8 + 1*E9 + 2*E10 + 1*E11 + \\ & 4*E12 - 1*E13 + 1*E14 + 1*E15 + 1*E16 - 1*E17 + 2*F35 - 1*F36 + 1*F37 - \\ & 3*F38 - 2*F39 + 2*F40 - 2*F41 - 2*F42 - 1*F43 - 2*F44 - 2*F47 - 1*F48 + \\ & 1*F49 + 1*F50 - 3*F52 + 1*F53 - 1*F54 - 2*F55 + 1*F57 + 2*F58 - 1*F59 + \\ & 1*F60 - 1*F61 - 1*F62 - 1*F63 + 2*F0 - 1*F1 + 2*G34 - 3*G35 - 1*G37 + \\ & 1*G38 - 1*G40 + 1*G41 + 1*G42 - 2*G43 + 1*G44 - 2*G46 + 1*G48 - 1*G49 - \\ & 1*G52 - 2*G53 + 1*G54 - 2*G57 - 2*G58 + 3*G63 - 1*G64 - 1*G65 + 1*G68 - \\ & 1*G70 - 1*G71 + 2*G72 - 2*G73 - 1*G75 - 2*G76 - 2*G78 - 1*G79 - 1*G80 + \\ & 1*G82 - 4*G84 - 1*G86 - 2*G87 - 1*G88 - 1*G89 + 1*G90 + 3*G91 + 1*G92 + \\ & 1*G93 \end{aligned}$$

$$\begin{aligned} H35 * H163 = & 2^{*-1} - 2*A1 + 1*B1 - 1*B2 - 1*C6 + 1*C1 - 1*C4 - 2*D4 + 4*D5 \\ & + 1*D8 + 1*D9 - 1*D10 + 2*E4 - 3*E5 + 2*E7 - 1*E9 + 1*E10 + 2*E11 + 1*E12 \\ & + 4*E13 - 1*E14 + 1*E15 + 1*E16 + 1*E17 - 1*E18 + 2*F36 - 1*F37 + 1*F38 - \\ & 3*F39 - 2*F40 + 2*F41 - 2*F42 - 2*F43 - 1*F44 - 2*F45 - 2*F48 - 1*F49 + \\ & 1*F50 + 1*F51 - 3*F53 + 1*F54 - 1*F55 - 2*F56 + 1*F58 + 2*F59 - 1*F60 + \\ & 1*F61 - 1*F62 - 1*F63 - 1*F0 + 2*F1 - 1*F2 + 2*G35 - 3*G36 - 1*G38 + \\ & 1*G39 - 1*G41 + 1*G42 + 1*G43 - 2*G44 + 1*G45 - 2*G47 + 1*G49 - 1*G50 - \\ & 1*G53 - 2*G54 + 1*G55 - 2*G58 - 2*G59 + 3*G64 - 1*G65 - 1*G66 + 1*G69 - \\ & 1*G71 - 1*G72 + 2*G73 - 2*G74 - 1*G76 - 2*G77 - 2*G79 - 1*G80 - 1*G81 + \\ & 1*G83 - 4*G85 - 1*G87 - 2*G88 - 1*G89 - 1*G90 + 1*G91 + 3*G92 + 1*G93 + \\ & 1*G94 \end{aligned}$$

$$\begin{aligned} H36 * H164 = & 2^{*-1} - 2*A0 + 1*B2 - 1*B3 - 1*C1 + 1*C7 - 1*C2 - 2*D5 + 4*D6 \\ & + 1*D9 + 1*D10 - 1*D11 + 2*E5 - 3*E6 + 2*E8 - 1*E10 + 1*E11 + 2*E12 + \\ & 1*E13 + 4*E14 - 1*E15 + 1*E16 + 1*E17 + 1*E18 - 1*E19 + 2*F37 - 1*F38 + \\ & 1*F39 - 3*F40 - 2*F41 + 2*F42 - 2*F43 - 2*F44 - 1*F45 - 2*F46 - 2*F49 - \\ & 1*F50 + 1*F51 + 1*F52 - 3*F54 + 1*F55 - 1*F56 - 2*F57 + 1*F59 + 2*F60 - \\ & 1*F61 + 1*F62 - 1*F63 - 1*F0 - 1*F1 + 2*F2 - 1*F3 + 2*G36 - 3*G37 - 1*G39 \\ & + 1*G40 - 1*G42 + 1*G43 + 1*G44 - 2*G45 + 1*G46 - 2*G48 + 1*G50 - 1*G51 - \\ & 1*G54 - 2*G55 + 1*G56 - 2*G59 - 2*G60 + 3*G65 - 1*G66 - 1*G67 + 1*G70 - \\ & 1*G72 - 1*G73 + 2*G74 - 2*G75 - 1*G77 - 2*G78 - 2*G80 - 1*G81 - 1*G82 + \\ & 1*G84 - 4*G86 - 1*G88 - 2*G89 - 1*G90 - 1*G91 + 1*G92 + 3*G93 + 1*G94 + \\ & 1*G95 \end{aligned}$$

$$\begin{aligned} H37 * H165 = & 2^{*-1} - 2*A1 + 1*B3 - 1*B0 - 1*C7 + 1*C4 - 1*C5 - 2*D6 + 4*D7 \\ & + 1*D10 + 1*D11 - 1*D12 + 2*E6 - 3*E7 + 2*E9 - 1*E11 + 1*E12 + 2*E13 + \\ & 1*E14 + 4*E15 - 1*E16 + 1*E17 + 1*E18 + 1*E19 - 1*E20 + 2*F38 - 1*F39 + \\ & 1*F40 - 3*F41 - 2*F42 + 2*F43 - 2*F44 - 2*F45 - 1*F46 - 2*F47 - 2*F50 - \\ & 1*F51 + 1*F52 + 1*F53 - 3*F55 + 1*F56 - 1*F57 - 2*F58 + 1*F60 + 2*F61 - \\ & 1*F62 + 1*F63 - 1*F0 - 1*F1 - 1*F2 + 2*F3 - 1*F4 + 2*G37 - 3*G38 - 1*G40 \\ & + 1*G41 - 1*G43 + 1*G44 + 1*G45 - 2*G46 + 1*G47 - 2*G49 + 1*G51 - 1*G52 - \\ & 1*G55 - 2*G56 + 1*G57 - 2*G60 - 2*G61 + 3*G66 - 1*G67 - 1*G68 + 1*G71 - \\ & 1*G73 - 1*G74 + 2*G75 - 2*G76 - 1*G78 - 2*G79 - 2*G81 - 1*G82 - 1*G83 + \end{aligned}$$

$$1*G85 - 4*G87 - 1*G89 - 2*G90 - 1*G91 - 1*G92 + 1*G93 + 3*G94 + 1*G95 + 1*G96$$

$$\begin{aligned} H38 * H166 = & 2^{-1} - 2*A0 + 1*B0 - 1*B1 - 1*C4 + 1*C2 - 1*C3 - 2*D7 + 4*D8 \\ & + 1*D11 + 1*D12 - 1*D13 + 2*E7 - 3*E8 + 2*E10 - 1*E12 + 1*E13 + 2*E14 + \\ & 1*E15 + 4*E16 - 1*E17 + 1*E18 + 1*E19 + 1*E20 - 1*E21 + 2*F39 - 1*F40 + \\ & 1*F41 - 3*F42 - 2*F43 + 2*F44 - 2*F45 - 2*F46 - 1*F47 - 2*F48 - 2*F51 - \\ & 1*F52 + 1*F53 + 1*F54 - 3*F56 + 1*F57 - 1*F58 - 2*F59 + 1*F61 + 2*F62 - \\ & 1*F63 + 1*F0 - 1*F1 - 1*F2 - 1*F3 + 2*F4 - 1*F5 + 2*G38 - 3*G39 - 1*G41 + \\ & 1*G42 - 1*G44 + 1*G45 + 1*G46 - 2*G47 + 1*G48 - 2*G50 + 1*G52 - 1*G53 - \\ & 1*G56 - 2*G57 + 1*G58 - 2*G61 - 2*G62 + 3*G67 - 1*G68 - 1*G69 + 1*G72 - \\ & 1*G74 - 1*G75 + 2*G76 - 2*G77 - 1*G79 - 2*G80 - 2*G82 - 1*G83 - 1*G84 + \\ & 1*G86 - 4*G88 - 1*G90 - 2*G91 - 1*G92 - 1*G93 + 1*G94 + 3*G95 + 1*G96 + \\ & 1*G97 \end{aligned}$$

$$\begin{aligned} H39 * H167 = & 2^{-1} - 2*A1 + 1*B1 - 1*B2 - 1*C2 + 1*C5 - 1*C0 - 2*D8 + 4*D9 \\ & + 1*D12 + 1*D13 - 1*D14 + 2*E8 - 3*E9 + 2*E11 - 1*E13 + 1*E14 + 2*E15 + \\ & 1*E16 + 4*E17 - 1*E18 + 1*E19 + 1*E20 + 1*E21 - 1*E22 + 2*F40 - 1*F41 + \\ & 1*F42 - 3*F43 - 2*F44 + 2*F45 - 2*F46 - 2*F47 - 1*F48 - 2*F49 - 2*F52 - \\ & 1*F53 + 1*F54 + 1*F55 - 3*F57 + 1*F58 - 1*F59 - 2*F60 + 1*F62 + 2*F63 - \\ & 1*F0 + 1*F1 - 1*F2 - 1*F3 - 1*F4 + 2*F5 - 1*F6 + 2*G39 - 3*G40 - 1*G42 + \\ & 1*G43 - 1*G45 + 1*G46 + 1*G47 - 2*G48 + 1*G49 - 2*G51 + 1*G53 - 1*G54 - \\ & 1*G57 - 2*G58 + 1*G59 - 2*G62 - 2*G63 + 3*G68 - 1*G69 - 1*G70 + 1*G73 - \\ & 1*G75 - 1*G76 + 2*G77 - 2*G78 - 1*G80 - 2*G81 - 2*G83 - 1*G84 - 1*G85 + \\ & 1*G87 - 4*G89 - 1*G91 - 2*G92 - 1*G93 - 1*G94 + 1*G95 + 3*G96 + 1*G97 + \\ & 1*G98 \end{aligned}$$

$$\begin{aligned} H40 * H168 = & 2^{-1} - 2*A0 + 1*B2 - 1*B3 - 1*C5 + 1*C3 - 1*C6 - 2*D9 + \\ & 4*D10 + 1*D13 + 1*D14 - 1*D15 + 2*E9 - 3*E10 + 2*E12 - 1*E14 + 1*E15 + \\ & 2*E16 + 1*E17 + 4*E18 - 1*E19 + 1*E20 + 1*E21 + 1*E22 - 1*E23 + 2*F41 - \\ & 1*F42 + 1*F43 - 3*F44 - 2*F45 + 2*F46 - 2*F47 - 2*F48 - 1*F49 - 2*F50 - \\ & 2*F53 - 1*F54 + 1*F55 + 1*F56 - 3*F58 + 1*F59 - 1*F60 - 2*F61 + 1*F63 + \\ & 2*F0 - 1*F1 + 1*F2 - 1*F3 - 1*F4 - 1*F5 + 2*F6 - 1*F7 + 2*G40 - 3*G41 - \\ & 1*G43 + 1*G44 - 1*G46 + 1*G47 + 1*G48 - 2*G49 + 1*G50 - 2*G52 + 1*G54 - \\ & 1*G55 - 1*G58 - 2*G59 + 1*G60 - 2*G63 - 2*G64 + 3*G69 - 1*G70 - 1*G71 + \\ & 1*G74 - 1*G76 - 1*G77 + 2*G78 - 2*G79 - 1*G81 - 2*G82 - 2*G84 - 1*G85 - \\ & 1*G86 + 1*G88 - 4*G90 - 1*G92 - 2*G93 - 1*G94 - 1*G95 + 1*G96 + 3*G97 + \\ & 1*G98 + 1*G99 \end{aligned}$$

$$\begin{aligned} H41 * H169 = & 2^{-1} - 2*A1 + 1*B3 - 1*B0 - 1*C3 + 1*C0 - 1*C1 - 2*D10 + \\ & 4*D11 + 1*D14 + 1*D15 - 1*D0 + 2*E10 - 3*E11 + 2*E13 - 1*E15 + 1*E16 + \\ & 2*E17 + 1*E18 + 4*E19 - 1*E20 + 1*E21 + 1*E22 + 1*E23 - 1*E24 + 2*F42 - \\ & 1*F43 + 1*F44 - 3*F45 - 2*F46 + 2*F47 - 2*F48 - 2*F49 - 1*F50 - 2*F51 - \\ & 2*F54 - 1*F55 + 1*F56 + 1*F57 - 3*F59 + 1*F60 - 1*F61 - 2*F62 + 1*F0 + \\ & 2*F1 - 1*F2 + 1*F3 - 1*F4 - 1*F5 - 1*F6 + 2*F7 - 1*F8 + 2*G41 - 3*G42 - \\ & 1*G44 + 1*G45 - 1*G47 + 1*G48 + 1*G49 - 2*G50 + 1*G51 - 2*G53 + 1*G55 - \\ & 1*G56 - 1*G59 - 2*G60 + 1*G61 - 2*G64 - 2*G65 + 3*G70 - 1*G71 - 1*G72 + \\ & 1*G75 - 1*G77 - 1*G78 + 2*G79 - 2*G80 - 1*G82 - 2*G83 - 2*G85 - 1*G86 - \\ & 1*G87 + 1*G89 - 4*G91 - 1*G93 - 2*G94 - 1*G95 - 1*G96 + 1*G97 + 3*G98 + \\ & 1*G99 + 1*G100 \end{aligned}$$

$$\begin{aligned} H42 * H170 = & 2^{-1} - 2*A0 + 1*B0 - 1*B1 - 1*C0 + 1*C6 - 1*C7 - 2*D11 + \\ & 4*D12 + 1*D15 + 1*D0 - 1*D1 + 2*E11 - 3*E12 + 2*E14 - 1*E16 + 1*E17 + \\ & 2*E18 + 1*E19 + 4*E20 - 1*E21 + 1*E22 + 1*E23 + 1*E24 - 1*E25 + 2*F43 - \\ & 1*F44 + 1*F45 - 3*F46 - 2*F47 + 2*F48 - 2*F49 - 2*F50 - 1*F51 - 2*F52 - \\ & 2*F55 - 1*F56 + 1*F57 + 1*F58 - 3*F60 + 1*F61 - 1*F62 - 2*F63 + 1*F1 + \\ & 2*F2 - 1*F3 + 1*F4 - 1*F5 - 1*F6 - 1*F7 + 2*F8 - 1*F9 + 2*G42 - 3*G43 - \\ & 1*G45 + 1*G46 - 1*G48 + 1*G49 + 1*G50 - 2*G51 + 1*G52 - 2*G54 + 1*G56 - \\ & 1*G57 - 1*G60 - 2*G61 + 1*G62 - 2*G65 - 2*G66 + 3*G71 - 1*G72 - 1*G73 + \\ & 1*G76 - 1*G78 - 1*G79 + 2*G80 - 2*G81 - 1*G83 - 2*G84 - 2*G86 - 1*G87 - \end{aligned}$$

$$1*G88 + 1*G90 - 4*G92 - 1*G94 - 2*G95 - 1*G96 - 1*G97 + 1*G98 + 3*G99 + 1*G100 + 1*G101$$

$$\begin{aligned} H43 * H171 = & 2^{-1} - 2*A1 + 1*B1 - 1*B2 - 1*C6 + 1*C1 - 1*C4 - 2*D12 + \\ & 4*D13 + 1*D0 + 1*D1 - 1*D2 + 2*E12 - 3*E13 + 2*E15 - 1*E17 + 1*E18 + \\ & 2*E19 + 1*E20 + 4*E21 - 1*E22 + 1*E23 + 1*E24 + 1*E25 - 1*E26 + 2*F44 - \\ & 1*F45 + 1*F46 - 3*F47 - 2*F48 + 2*F49 - 2*F50 - 2*F51 - 1*F52 - 2*F53 - \\ & 2*F56 - 1*F57 + 1*F58 + 1*F59 - 3*F61 + 1*F62 - 1*F63 - 2*F0 + 1*F2 + \\ & 2*F3 - 1*F4 + 1*F5 - 1*F6 - 1*F7 - 1*F8 + 2*F9 - 1*F10 + 2*G43 - 3*G44 - \\ & 1*G46 + 1*G47 - 1*G49 + 1*G50 + 1*G51 - 2*G52 + 1*G53 - 2*G55 + 1*G57 - \\ & 1*G58 - 1*G61 - 2*G62 + 1*G63 - 2*G66 - 2*G67 + 3*G72 - 1*G73 - 1*G74 + \\ & 1*G77 - 1*G79 - 1*G80 + 2*G81 - 2*G82 - 1*G84 - 2*G85 - 2*G87 - 1*G88 - \\ & 1*G89 + 1*G91 - 4*G93 - 1*G95 - 2*G96 - 1*G97 - 1*G98 + 1*G99 + 3*G100 + \\ & 1*G101 + 1*G102 \end{aligned}$$

$$\begin{aligned} H44 * H172 = & 2^{-1} - 2*A0 + 1*B2 - 1*B3 - 1*C1 + 1*C7 - 1*C2 - 2*D13 + \\ & 4*D14 + 1*D1 + 1*D2 - 1*D3 + 2*E13 - 3*E14 + 2*E16 - 1*E18 + 1*E19 + \\ & 2*E20 + 1*E21 + 4*E22 - 1*E23 + 1*E24 + 1*E25 + 1*E26 - 1*E27 + 2*F45 - \\ & 1*F46 + 1*F47 - 3*F48 - 2*F49 + 2*F50 - 2*F51 - 2*F52 - 1*F53 - 2*F54 - \\ & 2*F57 - 1*F58 + 1*F59 + 1*F60 - 3*F62 + 1*F63 - 1*F0 - 2*F1 + 1*F3 + 2*F4 \\ & - 1*F5 + 1*F6 - 1*F7 - 1*F8 - 1*F9 + 2*F10 - 1*F11 + 2*G44 - 3*G45 - \\ & 1*G47 + 1*G48 - 1*G50 + 1*G51 + 1*G52 - 2*G53 + 1*G54 - 2*G56 + 1*G58 - \\ & 1*G59 - 1*G62 - 2*G63 + 1*G64 - 2*G67 - 2*G68 + 3*G73 - 1*G74 - 1*G75 + \\ & 1*G78 - 1*G80 - 1*G81 + 2*G82 - 2*G83 - 1*G85 - 2*G86 - 2*G88 - 1*G89 - \\ & 1*G90 + 1*G92 - 4*G94 - 1*G96 - 2*G97 - 1*G98 - 1*G99 + 1*G100 + 3*G101 + \\ & 1*G102 + 1*G103 \end{aligned}$$

$$\begin{aligned} H45 * H173 = & 2^{-1} - 2*A1 + 1*B3 - 1*B0 - 1*C7 + 1*C4 - 1*C5 - 2*D14 + \\ & 4*D15 + 1*D2 + 1*D3 - 1*D4 + 2*E14 - 3*E15 + 2*E17 - 1*E19 + 1*E20 + \\ & 2*E21 + 1*E22 + 4*E23 - 1*E24 + 1*E25 + 1*E26 + 1*E27 - 1*E28 + 2*F46 - \\ & 1*F47 + 1*F48 - 3*F49 - 2*F50 + 2*F51 - 2*F52 - 2*F53 - 1*F54 - 2*F55 - \\ & 2*F58 - 1*F59 + 1*F60 + 1*F61 - 3*F63 + 1*F0 - 1*F1 - 2*F2 + 1*F4 + 2*F5 \\ & - 1*F6 + 1*F7 - 1*F8 - 1*F9 - 1*F10 + 2*F11 - 1*F12 + 2*G45 - 3*G46 - \\ & 1*G48 + 1*G49 - 1*G51 + 1*G52 + 1*G53 - 2*G54 + 1*G55 - 2*G57 + 1*G59 - \\ & 1*G60 - 1*G63 - 2*G64 + 1*G65 - 2*G68 - 2*G69 + 3*G74 - 1*G75 - 1*G76 + \\ & 1*G79 - 1*G81 - 1*G82 + 2*G83 - 2*G84 - 1*G86 - 2*G87 - 2*G89 - 1*G90 - \\ & 1*G91 + 1*G93 - 4*G95 - 1*G97 - 2*G98 - 1*G99 - 1*G100 + 1*G101 + 3*G102 \\ & + 1*G103 + 1*G104 \end{aligned}$$

$$\begin{aligned} H46 * H174 = & 2^{-1} - 2*A0 + 1*B0 - 1*B1 - 1*C4 + 1*C2 - 1*C3 - 2*D15 + \\ & 4*D0 + 1*D3 + 1*D4 - 1*D5 + 2*E15 - 3*E16 + 2*E18 - 1*E20 + 1*E21 + 2*E22 \\ & + 1*E23 + 4*E24 - 1*E25 + 1*E26 + 1*E27 + 1*E28 - 1*E29 + 2*F47 - 1*F48 + \\ & 1*F49 - 3*F50 - 2*F51 + 2*F52 - 2*F53 - 2*F54 - 1*F55 - 2*F56 - 2*F59 - \\ & 1*F60 + 1*F61 + 1*F62 - 3*F0 + 1*F1 - 1*F2 - 2*F3 + 1*F5 + 2*F6 - 1*F7 + \\ & 1*F8 - 1*F9 - 1*F10 - 1*F11 + 2*F12 - 1*F13 + 2*G46 - 3*G47 - 1*G49 + \\ & 1*G50 - 1*G52 + 1*G53 + 1*G54 - 2*G55 + 1*G56 - 2*G58 + 1*G60 - 1*G61 - \\ & 1*G64 - 2*G65 + 1*G66 - 2*G69 - 2*G70 + 3*G75 - 1*G76 - 1*G77 + 1*G80 - \\ & 1*G82 - 1*G83 + 2*G84 - 2*G85 - 1*G87 - 2*G88 - 2*G90 - 1*G91 - 1*G92 + \\ & 1*G94 - 4*G96 - 1*G98 - 2*G99 - 1*G100 - 1*G101 + 1*G102 + 3*G103 + \\ & 1*G104 + 1*G105 \end{aligned}$$

$$\begin{aligned} H47 * H175 = & 2^{-1} - 2*A1 + 1*B1 - 1*B2 - 1*C2 + 1*C5 - 1*C0 - 2*D0 + 4*D1 \\ & + 1*D4 + 1*D5 - 1*D6 + 2*E16 - 3*E17 + 2*E19 - 1*E21 + 1*E22 + 2*E23 + \\ & 1*E24 + 4*E25 - 1*E26 + 1*E27 + 1*E28 + 1*E29 - 1*E30 + 2*F48 - 1*F49 + \\ & 1*F50 - 3*F51 - 2*F52 + 2*F53 - 2*F54 - 2*F55 - 1*F56 - 2*F57 - 2*F60 - \\ & 1*F61 + 1*F62 + 1*F63 - 3*F1 + 1*F2 - 1*F3 - 2*F4 + 1*F6 + 2*F7 - 1*F8 + \\ & 1*F9 - 1*F10 - 1*F11 - 1*F12 + 2*F13 - 1*F14 + 2*G47 - 3*G48 - 1*G50 + \\ & 1*G51 - 1*G53 + 1*G54 + 1*G55 - 2*G56 + 1*G57 - 2*G59 + 1*G61 - 1*G62 - \\ & 1*G65 - 2*G66 + 1*G67 - 2*G70 - 2*G71 + 3*G76 - 1*G77 - 1*G78 + 1*G81 - \\ & 1*G83 - 1*G84 + 2*G85 - 2*G86 - 1*G88 - 2*G89 - 2*G91 - 1*G92 - 1*G93 + \end{aligned}$$

$$1*G95 - 4*G97 - 1*G99 - 2*G100 - 1*G101 - 1*G102 + 1*G103 + 3*G104 + 1*G105 + 1*G106$$

$$\begin{aligned} H48 * H176 = & 2^{-1} - 2*A0 + 1*B2 - 1*B3 - 1*C5 + 1*C3 - 1*C6 - 2*D1 + 4*D2 \\ & + 1*D5 + 1*D6 - 1*D7 + 2*E17 - 3*E18 + 2*E20 - 1*E22 + 1*E23 + 2*E24 + \\ & 1*E25 + 4*E26 - 1*E27 + 1*E28 + 1*E29 + 1*E30 - 1*E31 + 2*F49 - 1*F50 + \\ & 1*F51 - 3*F52 - 2*F53 + 2*F54 - 2*F55 - 2*F56 - 1*F57 - 2*F58 - 2*F61 - \\ & 1*F62 + 1*F63 + 1*F0 - 3*F2 + 1*F3 - 1*F4 - 2*F5 + 1*F7 + 2*F8 - 1*F9 + \\ & 1*F10 - 1*F11 - 1*F12 - 1*F13 + 2*F14 - 1*F15 + 2*G48 - 3*G49 - 1*G51 + \\ & 1*G52 - 1*G54 + 1*G55 + 1*G56 - 2*G57 + 1*G58 - 2*G60 + 1*G62 - 1*G63 - \\ & 1*G66 - 2*G67 + 1*G68 - 2*G71 - 2*G72 + 3*G77 - 1*G78 - 1*G79 + 1*G82 - \\ & 1*G84 - 1*G85 + 2*G86 - 2*G87 - 1*G89 - 2*G90 - 2*G92 - 1*G93 - 1*G94 + \\ & 1*G96 - 4*G98 - 1*G100 - 2*G101 - 1*G102 - 1*G103 + 1*G104 + 3*G105 + \\ & 1*G106 + 1*G107 \end{aligned}$$

$$\begin{aligned} H49 * H177 = & 2^{-1} - 2*A1 + 1*B3 - 1*B0 - 1*C3 + 1*C0 - 1*C1 - 2*D2 + 4*D3 \\ & + 1*D6 + 1*D7 - 1*D8 + 2*E18 - 3*E19 + 2*E21 - 1*E23 + 1*E24 + 2*E25 + \\ & 1*E26 + 4*E27 - 1*E28 + 1*E29 + 1*E30 + 1*E31 - 1*E0 + 2*F50 - 1*F51 + \\ & 1*F52 - 3*F53 - 2*F54 + 2*F55 - 2*F56 - 2*F57 - 1*F58 - 2*F59 - 2*F62 - \\ & 1*F63 + 1*F0 + 1*F1 - 3*F3 + 1*F4 - 1*F5 - 2*F6 + 1*F8 + 2*F9 - 1*F10 + \\ & 1*F11 - 1*F12 - 1*F13 - 1*F14 + 2*F15 - 1*F16 + 2*G49 - 3*G50 - 1*G52 + \\ & 1*G53 - 1*G55 + 1*G56 + 1*G57 - 2*G58 + 1*G59 - 2*G61 + 1*G63 - 1*G64 - \\ & 1*G67 - 2*G68 + 1*G69 - 2*G72 - 2*G73 + 3*G78 - 1*G79 - 1*G80 + 1*G83 - \\ & 1*G85 - 1*G86 + 2*G87 - 2*G88 - 1*G90 - 2*G91 - 2*G93 - 1*G94 - 1*G95 + \\ & 1*G97 - 4*G99 - 1*G101 - 2*G102 - 1*G103 - 1*G104 + 1*G105 + 3*G106 + \\ & 1*G107 + 1*G108 \end{aligned}$$

$$\begin{aligned} H50 * H178 = & 2^{-1} - 2*A0 + 1*B0 - 1*B1 - 1*C0 + 1*C6 - 1*C7 - 2*D3 + 4*D4 \\ & + 1*D7 + 1*D8 - 1*D9 + 2*E19 - 3*E20 + 2*E22 - 1*E24 + 1*E25 + 2*E26 + \\ & 1*E27 + 4*E28 - 1*E29 + 1*E30 + 1*E31 + 1*E0 - 1*E1 + 2*F51 - 1*F52 + \\ & 1*F53 - 3*F54 - 2*F55 + 2*F56 - 2*F57 - 2*F58 - 1*F59 - 2*F60 - 2*F63 - \\ & 1*F0 + 1*F1 + 1*F2 - 3*F4 + 1*F5 - 1*F6 - 2*F7 + 1*F9 + 2*F10 - 1*F11 + \\ & 1*F12 - 1*F13 - 1*F14 - 1*F15 + 2*F16 - 1*F17 + 2*G50 - 3*G51 - 1*G53 + \\ & 1*G54 - 1*G56 + 1*G57 + 1*G58 - 2*G59 + 1*G60 - 2*G62 + 1*G64 - 1*G65 - \\ & 1*G68 - 2*G69 + 1*G70 - 2*G73 - 2*G74 + 3*G79 - 1*G80 - 1*G81 + 1*G84 - \\ & 1*G86 - 1*G87 + 2*G88 - 2*G89 - 1*G91 - 2*G92 - 2*G94 - 1*G95 - 1*G96 + \\ & 1*G98 - 4*G100 - 1*G102 - 2*G103 - 1*G104 - 1*G105 + 1*G106 + 3*G107 + \\ & 1*G108 + 1*G109 \end{aligned}$$

$$\begin{aligned} H51 * H179 = & 2^{-1} - 2*A1 + 1*B1 - 1*B2 - 1*C6 + 1*C1 - 1*C4 - 2*D4 + 4*D5 \\ & + 1*D8 + 1*D9 - 1*D10 + 2*E20 - 3*E21 + 2*E23 - 1*E25 + 1*E26 + 2*E27 + \\ & 1*E28 + 4*E29 - 1*E30 + 1*E31 + 1*E0 + 1*E1 - 1*E2 + 2*F52 - 1*F53 + \\ & 1*F54 - 3*F55 - 2*F56 + 2*F57 - 2*F58 - 2*F59 - 1*F60 - 2*F61 - 2*F0 - \\ & 1*F1 + 1*F2 + 1*F3 - 3*F5 + 1*F6 - 1*F7 - 2*F8 + 1*F10 + 2*F11 - 1*F12 + \\ & 1*F13 - 1*F14 - 1*F15 - 1*F16 + 2*F17 - 1*F18 + 2*G51 - 3*G52 - 1*G54 + \\ & 1*G55 - 1*G57 + 1*G58 + 1*G59 - 2*G60 + 1*G61 - 2*G63 + 1*G65 - 1*G66 - \\ & 1*G69 - 2*G70 + 1*G71 - 2*G74 - 2*G75 + 3*G80 - 1*G81 - 1*G82 + 1*G85 - \\ & 1*G87 - 1*G88 + 2*G89 - 2*G90 - 1*G92 - 2*G93 - 2*G95 - 1*G96 - 1*G97 + \\ & 1*G99 - 4*G101 - 1*G103 - 2*G104 - 1*G105 - 1*G106 + 1*G107 + 3*G108 + \\ & 1*G109 + 1*G110 \end{aligned}$$

$$\begin{aligned} H52 * H180 = & 2^{-1} - 2*A0 + 1*B2 - 1*B3 - 1*C1 + 1*C7 - 1*C2 - 2*D5 + 4*D6 \\ & + 1*D9 + 1*D10 - 1*D11 + 2*E21 - 3*E22 + 2*E24 - 1*E26 + 1*E27 + 2*E28 + \\ & 1*E29 + 4*E30 - 1*E31 + 1*E0 + 1*E1 + 1*E2 - 1*E3 + 2*F53 - 1*F54 + 1*F55 \\ & - 3*F56 - 2*F57 + 2*F58 - 2*F59 - 2*F60 - 1*F61 - 2*F62 - 2*F1 - 1*F2 + \\ & 1*F3 + 1*F4 - 3*F6 + 1*F7 - 1*F8 - 2*F9 + 1*F11 + 2*F12 - 1*F13 + 1*F14 - \\ & 1*F15 - 1*F16 - 1*F17 + 2*F18 - 1*F19 + 2*G52 - 3*G53 - 1*G55 + 1*G56 - \\ & 1*G58 + 1*G59 + 1*G60 - 2*G61 + 1*G62 - 2*G64 + 1*G66 - 1*G67 - 1*G70 - \\ & 2*G71 + 1*G72 - 2*G75 - 2*G76 + 3*G81 - 1*G82 - 1*G83 + 1*G86 - 1*G88 - \\ & 1*G89 + 2*G90 - 2*G91 - 1*G93 - 2*G94 - 2*G96 - 1*G97 - 1*G98 + 1*G100 - \end{aligned}$$

$$4*G102 - 1*G104 - 2*G105 - 1*G106 - 1*G107 + 1*G108 + 3*G109 + 1*G110 + 1*G111$$

$$\begin{aligned} H53 * H181 = & 2^{-1} - 2*A1 + 1*B3 - 1*B0 - 1*C7 + 1*C4 - 1*C5 - 2*D6 + 4*D7 \\ & + 1*D10 + 1*D11 - 1*D12 + 2*E22 - 3*E23 + 2*E25 - 1*E27 + 1*E28 + 2*E29 + \\ & 1*E30 + 4*E31 - 1*E0 + 1*E1 + 1*E2 + 1*E3 - 1*E4 + 2*F54 - 1*F55 + 1*F56 \\ & - 3*F57 - 2*F58 + 2*F59 - 2*F60 - 2*F61 - 1*F62 - 2*F63 - 2*F2 - 1*F3 + \\ & 1*F4 + 1*F5 - 3*F7 + 1*F8 - 1*F9 - 2*F10 + 1*F12 + 2*F13 - 1*F14 + 1*F15 \\ & - 1*F16 - 1*F17 - 1*F18 + 2*F19 - 1*F20 + 2*G53 - 3*G54 - 1*G56 + 1*G57 - \\ & 1*G59 + 1*G60 + 1*G61 - 2*G62 + 1*G63 - 2*G65 + 1*G67 - 1*G68 - 1*G71 - \\ & 2*G72 + 1*G73 - 2*G76 - 2*G77 + 3*G82 - 1*G83 - 1*G84 + 1*G87 - 1*G89 - \\ & 1*G90 + 2*G91 - 2*G92 - 1*G94 - 2*G95 - 2*G97 - 1*G98 - 1*G99 + 1*G101 - \\ & 4*G103 - 1*G105 - 2*G106 - 1*G107 - 1*G108 + 1*G109 + 3*G110 + 1*G111 + \\ & 1*G112 \end{aligned}$$

$$\begin{aligned} H54 * H182 = & 2^{-1} - 2*A0 + 1*B0 - 1*B1 - 1*C4 + 1*C2 - 1*C3 - 2*D7 + 4*D8 \\ & + 1*D11 + 1*D12 - 1*D13 + 2*E23 - 3*E24 + 2*E26 - 1*E28 + 1*E29 + 2*E30 + \\ & 1*E31 + 4*E0 - 1*E1 + 1*E2 + 1*E3 + 1*E4 - 1*E5 + 2*F55 - 1*F56 + 1*F57 - \\ & 3*F58 - 2*F59 + 2*F60 - 2*F61 - 2*F62 - 1*F63 - 2*F0 - 2*F3 - 1*F4 + 1*F5 \\ & + 1*F6 - 3*F8 + 1*F9 - 1*F10 - 2*F11 + 1*F13 + 2*F14 - 1*F15 + 1*F16 - \\ & 1*F17 - 1*F18 - 1*F19 + 2*F20 - 1*F21 + 2*G54 - 3*G55 - 1*G57 + 1*G58 - \\ & 1*G60 + 1*G61 + 1*G62 - 2*G63 + 1*G64 - 2*G66 + 1*G68 - 1*G69 - 1*G72 - \\ & 2*G73 + 1*G74 - 2*G77 - 2*G78 + 3*G83 - 1*G84 - 1*G85 + 1*G88 - 1*G90 - \\ & 1*G91 + 2*G92 - 2*G93 - 1*G95 - 2*G96 - 2*G98 - 1*G99 - 1*G100 + 1*G102 - \\ & 4*G104 - 1*G106 - 2*G107 - 1*G108 - 1*G109 + 1*G110 + 3*G111 + 1*G112 + \\ & 1*G113 \end{aligned}$$

$$\begin{aligned} H55 * H183 = & 2^{-1} - 2*A1 + 1*B1 - 1*B2 - 1*C2 + 1*C5 - 1*C0 - 2*D8 + 4*D9 \\ & + 1*D12 + 1*D13 - 1*D14 + 2*E24 - 3*E25 + 2*E27 - 1*E29 + 1*E30 + 2*E31 + \\ & 1*E0 + 4*E1 - 1*E2 + 1*E3 + 1*E4 + 1*E5 - 1*E6 + 2*F56 - 1*F57 + 1*F58 - \\ & 3*F59 - 2*F60 + 2*F61 - 2*F62 - 2*F63 - 1*F0 - 2*F1 - 2*F4 - 1*F5 + 1*F6 \\ & + 1*F7 - 3*F9 + 1*F10 - 1*F11 - 2*F12 + 1*F14 + 2*F15 - 1*F16 + 1*F17 - \\ & 1*F18 - 1*F19 - 1*F20 + 2*F21 - 1*F22 + 2*G55 - 3*G56 - 1*G58 + 1*G59 - \\ & 1*G61 + 1*G62 + 1*G63 - 2*G64 + 1*G65 - 2*G67 + 1*G69 - 1*G70 - 1*G73 - \\ & 2*G74 + 1*G75 - 2*G78 - 2*G79 + 3*G84 - 1*G85 - 1*G86 + 1*G89 - 1*G91 - \\ & 1*G92 + 2*G93 - 2*G94 - 1*G96 - 2*G97 - 2*G99 - 1*G100 - 1*G101 + 1*G103 \\ & - 4*G105 - 1*G107 - 2*G108 - 1*G109 - 1*G110 + 1*G111 + 3*G112 + 1*G113 + \\ & 1*G114 \end{aligned}$$

$$\begin{aligned} H56 * H184 = & 2^{-1} - 2*A0 + 1*B2 - 1*B3 - 1*C5 + 1*C3 - 1*C6 - 2*D9 + \\ & 4*D10 + 1*D13 + 1*D14 - 1*D15 + 2*E25 - 3*E26 + 2*E28 - 1*E30 + 1*E31 + \\ & 2*E0 + 1*E1 + 4*E2 - 1*E3 + 1*E4 + 1*E5 + 1*E6 - 1*E7 + 2*F57 - 1*F58 + \\ & 1*F59 - 3*F60 - 2*F61 + 2*F62 - 2*F63 - 2*F0 - 1*F1 - 2*F2 - 2*F5 - 1*F6 \\ & + 1*F7 + 1*F8 - 3*F10 + 1*F11 - 1*F12 - 2*F13 + 1*F15 + 2*F16 - 1*F17 + \\ & 1*F18 - 1*F19 - 1*F20 - 1*F21 + 2*F22 - 1*F23 + 2*G56 - 3*G57 - 1*G59 + \\ & 1*G60 - 1*G62 + 1*G63 + 1*G64 - 2*G65 + 1*G66 - 2*G68 + 1*G70 - 1*G71 - \\ & 1*G74 - 2*G75 + 1*G76 - 2*G79 - 2*G80 + 3*G85 - 1*G86 - 1*G87 + 1*G90 - \\ & 1*G92 - 1*G93 + 2*G94 - 2*G95 - 1*G97 - 2*G98 - 2*G100 - 1*G101 - 1*G102 \\ & + 1*G104 - 4*G106 - 1*G108 - 2*G109 - 1*G110 - 1*G111 + 1*G112 + 3*G113 + \\ & 1*G114 + 1*G115 \end{aligned}$$

$$\begin{aligned} H57 * H185 = & 2^{-1} - 2*A1 + 1*B3 - 1*B0 - 1*C3 + 1*C0 - 1*C1 - 2*D10 + \\ & 4*D11 + 1*D14 + 1*D15 - 1*D0 + 2*E26 - 3*E27 + 2*E29 - 1*E31 + 1*E0 + \\ & 2*E1 + 1*E2 + 4*E3 - 1*E4 + 1*E5 + 1*E6 + 1*E7 - 1*E8 + 2*F58 - 1*F59 + \\ & 1*F60 - 3*F61 - 2*F62 + 2*F63 - 2*F0 - 2*F1 - 1*F2 - 2*F3 - 2*F6 - 1*F7 + \\ & 1*F8 + 1*F9 - 3*F11 + 1*F12 - 1*F13 - 2*F14 + 1*F16 + 2*F17 - 1*F18 + \\ & 1*F19 - 1*F20 - 1*F21 - 1*F22 + 2*F23 - 1*F24 + 2*G57 - 3*G58 - 1*G60 + \\ & 1*G61 - 1*G63 + 1*G64 + 1*G65 - 2*G66 + 1*G67 - 2*G69 + 1*G71 - 1*G72 - \\ & 1*G75 - 2*G76 + 1*G77 - 2*G80 - 2*G81 + 3*G86 - 1*G87 - 1*G88 + 1*G91 - \\ & 1*G93 - 1*G94 + 2*G95 - 2*G96 - 1*G98 - 2*G99 - 2*G101 - 1*G102 - 1*G103 \end{aligned}$$

$$+ 1*G105 - 4*G107 - 1*G109 - 2*G110 - 1*G111 - 1*G112 + 1*G113 + 3*G114 + 1*G115 + 1*G116$$

$$\begin{aligned} H58 * H186 = & 2^{-1} - 2*A0 + 1*B0 - 1*B1 - 1*C0 + 1*C6 - 1*C7 - 2*D11 + \\ & 4*D12 + 1*D15 + 1*D0 - 1*D1 + 2*E27 - 3*E28 + 2*E30 - 1*E0 + 1*E1 + 2*E2 \\ & + 1*E3 + 4*E4 - 1*E5 + 1*E6 + 1*E7 + 1*E8 - 1*E9 + 2*F59 - 1*F60 + 1*F61 \\ & - 3*F62 - 2*F63 + 2*F0 - 2*F1 - 2*F2 - 1*F3 - 2*F4 - 2*F7 - 1*F8 + 1*F9 + \\ & 1*F10 - 3*F12 + 1*F13 - 1*F14 - 2*F15 + 1*F17 + 2*F18 - 1*F19 + 1*F20 - \\ & 1*F21 - 1*F22 - 1*F23 + 2*F24 - 1*F25 + 2*G58 - 3*G59 - 1*G61 + 1*G62 - \\ & 1*G64 + 1*G65 + 1*G66 - 2*G67 + 1*G68 - 2*G70 + 1*G72 - 1*G73 - 1*G76 - \\ & 2*G77 + 1*G78 - 2*G81 - 2*G82 + 3*G87 - 1*G88 - 1*G89 + 1*G92 - 1*G94 - \\ & 1*G95 + 2*G96 - 2*G97 - 1*G99 - 2*G100 - 2*G102 - 1*G103 - 1*G104 + \\ & 1*G106 - 4*G108 - 1*G110 - 2*G111 - 1*G112 - 1*G113 + 1*G114 + 3*G115 + \\ & 1*G116 + 1*G117 \end{aligned}$$

$$\begin{aligned} H59 * H187 = & 2^{-1} - 2*A1 + 1*B1 - 1*B2 - 1*C6 + 1*C1 - 1*C4 - 2*D12 + \\ & 4*D13 + 1*D0 + 1*D1 - 1*D2 + 2*E28 - 3*E29 + 2*E31 - 1*E1 + 1*E2 + 2*E3 + \\ & 1*E4 + 4*E5 - 1*E6 + 1*E7 + 1*E8 + 1*E9 - 1*E10 + 2*F60 - 1*F61 + 1*F62 - \\ & 3*F63 - 2*F0 + 2*F1 - 2*F2 - 2*F3 - 1*F4 - 2*F5 - 2*F8 - 1*F9 + 1*F10 + \\ & 1*F11 - 3*F13 + 1*F14 - 1*F15 - 2*F16 + 1*F18 + 2*F19 - 1*F20 + 1*F21 - \\ & 1*F22 - 1*F23 - 1*F24 + 2*F25 - 1*F26 + 2*G59 - 3*G60 - 1*G62 + 1*G63 - \\ & 1*G65 + 1*G66 + 1*G67 - 2*G68 + 1*G69 - 2*G71 + 1*G73 - 1*G74 - 1*G77 - \\ & 2*G78 + 1*G79 - 2*G82 - 2*G83 + 3*G88 - 1*G89 - 1*G90 + 1*G93 - 1*G95 - \\ & 1*G96 + 2*G97 - 2*G98 - 1*G100 - 2*G101 - 2*G103 - 1*G104 - 1*G105 + \\ & 1*G107 - 4*G109 - 1*G111 - 2*G112 - 1*G113 - 1*G114 + 1*G115 + 3*G116 + \\ & 1*G117 + 1*G118 \end{aligned}$$

$$\begin{aligned} H60 * H188 = & 2^{-1} - 2*A0 + 1*B2 - 1*B3 - 1*C1 + 1*C7 - 1*C2 - 2*D13 + \\ & 4*D14 + 1*D1 + 1*D2 - 1*D3 + 2*E29 - 3*E30 + 2*E0 - 1*E2 + 1*E3 + 2*E4 + \\ & 1*E5 + 4*E6 - 1*E7 + 1*E8 + 1*E9 + 1*E10 - 1*E11 + 2*F61 - 1*F62 + 1*F63 \\ & - 3*F0 - 2*F1 + 2*F2 - 2*F3 - 2*F4 - 1*F5 - 2*F6 - 2*F9 - 1*F10 + 1*F11 + \\ & 1*F12 - 3*F14 + 1*F15 - 1*F16 - 2*F17 + 1*F19 + 2*F20 - 1*F21 + 1*F22 - \\ & 1*F23 - 1*F24 - 1*F25 + 2*F26 - 1*F27 + 2*G60 - 3*G61 - 1*G63 + 1*G64 - \\ & 1*G66 + 1*G67 + 1*G68 - 2*G69 + 1*G70 - 2*G72 + 1*G74 - 1*G75 - 1*G78 - \\ & 2*G79 + 1*G80 - 2*G83 - 2*G84 + 3*G89 - 1*G90 - 1*G91 + 1*G94 - 1*G96 - \\ & 1*G97 + 2*G98 - 2*G99 - 1*G101 - 2*G102 - 2*G104 - 1*G105 - 1*G106 + \\ & 1*G108 - 4*G110 - 1*G112 - 2*G113 - 1*G114 - 1*G115 + 1*G116 + 3*G117 + \\ & 1*G118 + 1*G119 \end{aligned}$$

$$\begin{aligned} H61 * H189 = & 2^{-1} - 2*A1 + 1*B3 - 1*B0 - 1*C7 + 1*C4 - 1*C5 - 2*D14 + \\ & 4*D15 + 1*D2 + 1*D3 - 1*D4 + 2*E30 - 3*E31 + 2*E1 - 1*E3 + 1*E4 + 2*E5 + \\ & 1*E6 + 4*E7 - 1*E8 + 1*E9 + 1*E10 + 1*E11 - 1*E12 + 2*F62 - 1*F63 + 1*F0 \\ & - 3*F1 - 2*F2 + 2*F3 - 2*F4 - 2*F5 - 1*F6 - 2*F7 - 2*F10 - 1*F11 + 1*F12 \\ & + 1*F13 - 3*F15 + 1*F16 - 1*F17 - 2*F18 + 1*F20 + 2*F21 - 1*F22 + 1*F23 - \\ & 1*F24 - 1*F25 - 1*F26 + 2*F27 - 1*F28 + 2*G61 - 3*G62 - 1*G64 + 1*G65 - \\ & 1*G67 + 1*G68 + 1*G69 - 2*G70 + 1*G71 - 2*G73 + 1*G75 - 1*G76 - 1*G79 - \\ & 2*G80 + 1*G81 - 2*G84 - 2*G85 + 3*G90 - 1*G91 - 1*G92 + 1*G95 - 1*G97 - \\ & 1*G98 + 2*G99 - 2*G100 - 1*G102 - 2*G103 - 2*G105 - 1*G106 - 1*G107 + \\ & 1*G109 - 4*G111 - 1*G113 - 2*G114 - 1*G115 - 1*G116 + 1*G117 + 3*G118 + \\ & 1*G119 + 1*G120 \end{aligned}$$

$$\begin{aligned} H62 * H190 = & 2^{-1} - 2*A0 + 1*B0 - 1*B1 - 1*C4 + 1*C2 - 1*C3 - 2*D15 + \\ & 4*D0 + 1*D3 + 1*D4 - 1*D5 + 2*E31 - 3*E0 + 2*E2 - 1*E4 + 1*E5 + 2*E6 + \\ & 1*E7 + 4*E8 - 1*E9 + 1*E10 + 1*E11 + 1*E12 - 1*E13 + 2*F63 - 1*F0 + 1*F1 \\ & - 3*F2 - 2*F3 + 2*F4 - 2*F5 - 2*F6 - 1*F7 - 2*F8 - 2*F11 - 1*F12 + 1*F13 \\ & + 1*F14 - 3*F16 + 1*F17 - 1*F18 - 2*F19 + 1*F21 + 2*F22 - 1*F23 + 1*F24 - \\ & 1*F25 - 1*F26 - 1*F27 + 2*F28 - 1*F29 + 2*G62 - 3*G63 - 1*G65 + 1*G66 - \\ & 1*G68 + 1*G69 + 1*G70 - 2*G71 + 1*G72 - 2*G74 + 1*G76 - 1*G77 - 1*G80 - \\ & 2*G81 + 1*G82 - 2*G85 - 2*G86 + 3*G91 - 1*G92 - 1*G93 + 1*G96 - 1*G98 - \\ & 1*G99 + 2*G100 - 2*G101 - 1*G103 - 2*G104 - 2*G106 - 1*G107 - 1*G108 + \end{aligned}$$

$$1*G110 - 4*G112 - 1*G114 - 2*G115 - 1*G116 - 1*G117 + 1*G118 + 3*G119 + 1*G120 + 1*G121$$

$$\begin{aligned} H63 * H191 = & 2^{-1} - 2*A1 + 1*B1 - 1*B2 - 1*C2 + 1*C5 - 1*C0 - 2*D0 + 4*D1 \\ & + 1*D4 + 1*D5 - 1*D6 + 2*E0 - 3*E1 + 2*E3 - 1*E5 + 1*E6 + 2*E7 + 1*E8 + \\ & 4*E9 - 1*E10 + 1*E11 + 1*E12 + 1*E13 - 1*E14 + 2*F0 - 1*F1 + 1*F2 - 3*F3 \\ & - 2*F4 + 2*F5 - 2*F6 - 2*F7 - 1*F8 - 2*F9 - 2*F12 - 1*F13 + 1*F14 + 1*F15 \\ & - 3*F17 + 1*F18 - 1*F19 - 2*F20 + 1*F22 + 2*F23 - 1*F24 + 1*F25 - 1*F26 - \\ & 1*F27 - 1*F28 + 2*F29 - 1*F30 + 2*G63 - 3*G64 - 1*G66 + 1*G67 - 1*G69 + \\ & 1*G70 + 1*G71 - 2*G72 + 1*G73 - 2*G75 + 1*G77 - 1*G78 - 1*G81 - 2*G82 + \\ & 1*G83 - 2*G86 - 2*G87 + 3*G92 - 1*G93 - 1*G94 + 1*G97 - 1*G99 - 1*G100 + \\ & 2*G101 - 2*G102 - 1*G104 - 2*G105 - 2*G107 - 1*G108 - 1*G109 + 1*G111 - \\ & 4*G113 - 1*G115 - 2*G116 - 1*G117 - 1*G118 + 1*G119 + 3*G120 + 1*G121 + \\ & 1*G122 \end{aligned}$$

$$\begin{aligned} H64 * H192 = & 2^{-1} - 2*A0 + 1*B2 - 1*B3 - 1*C5 + 1*C3 - 1*C6 - 2*D1 + 4*D2 \\ & + 1*D5 + 1*D6 - 1*D7 + 2*E1 - 3*E2 + 2*E4 - 1*E6 + 1*E7 + 2*E8 + 1*E9 + \\ & 4*E10 - 1*E11 + 1*E12 + 1*E13 + 1*E14 - 1*E15 + 2*F1 - 1*F2 + 1*F3 - 3*F4 \\ & - 2*F5 + 2*F6 - 2*F7 - 2*F8 - 1*F9 - 2*F10 - 2*F13 - 1*F14 + 1*F15 + \\ & 1*F16 - 3*F18 + 1*F19 - 1*F20 - 2*F21 + 1*F23 + 2*F24 - 1*F25 + 1*F26 - \\ & 1*F27 - 1*F28 - 1*F29 + 2*F30 - 1*F31 + 2*G64 - 3*G65 - 1*G67 + 1*G68 - \\ & 1*G70 + 1*G71 + 1*G72 - 2*G73 + 1*G74 - 2*G76 + 1*G78 - 1*G79 - 1*G82 - \\ & 2*G83 + 1*G84 - 2*G87 - 2*G88 + 3*G93 - 1*G94 - 1*G95 + 1*G98 - 1*G100 - \\ & 1*G101 + 2*G102 - 2*G103 - 1*G105 - 2*G106 - 2*G108 - 1*G109 - 1*G110 + \\ & 1*G112 - 4*G114 - 1*G116 - 2*G117 - 1*G118 - 1*G119 + 1*G120 + 3*G121 + \\ & 1*G122 + 1*G123 \end{aligned}$$

$$\begin{aligned} H65 * H193 = & 2^{-1} - 2*A1 + 1*B3 - 1*B0 - 1*C3 + 1*C0 - 1*C1 - 2*D2 + 4*D3 \\ & + 1*D6 + 1*D7 - 1*D8 + 2*E2 - 3*E3 + 2*E5 - 1*E7 + 1*E8 + 2*E9 + 1*E10 + \\ & 4*E11 - 1*E12 + 1*E13 + 1*E14 + 1*E15 - 1*E16 + 2*F2 - 1*F3 + 1*F4 - 3*F5 \\ & - 2*F6 + 2*F7 - 2*F8 - 2*F9 - 1*F10 - 2*F11 - 2*F14 - 1*F15 + 1*F16 + \\ & 1*F17 - 3*F19 + 1*F20 - 1*F21 - 2*F22 + 1*F24 + 2*F25 - 1*F26 + 1*F27 - \\ & 1*F28 - 1*F29 - 1*F30 + 2*F31 - 1*F32 + 2*G65 - 3*G66 - 1*G68 + 1*G69 - \\ & 1*G71 + 1*G72 + 1*G73 - 2*G74 + 1*G75 - 2*G77 + 1*G79 - 1*G80 - 1*G83 - \\ & 2*G84 + 1*G85 - 2*G88 - 2*G89 + 3*G94 - 1*G95 - 1*G96 + 1*G99 - 1*G101 - \\ & 1*G102 + 2*G103 - 2*G104 - 1*G106 - 2*G107 - 2*G109 - 1*G110 - 1*G111 + \\ & 1*G113 - 4*G115 - 1*G117 - 2*G118 - 1*G119 - 1*G120 + 1*G121 + 3*G122 + \\ & 1*G123 + 1*G124 \end{aligned}$$

$$\begin{aligned} H66 * H194 = & 2^{-1} - 2*A0 + 1*B0 - 1*B1 - 1*C0 + 1*C6 - 1*C7 - 2*D3 + 4*D4 \\ & + 1*D7 + 1*D8 - 1*D9 + 2*E3 - 3*E4 + 2*E6 - 1*E8 + 1*E9 + 2*E10 + 1*E11 + \\ & 4*E12 - 1*E13 + 1*E14 + 1*E15 + 1*E16 - 1*E17 + 2*F3 - 1*F4 + 1*F5 - 3*F6 \\ & - 2*F7 + 2*F8 - 2*F9 - 2*F10 - 1*F11 - 2*F12 - 2*F15 - 1*F16 + 1*F17 + \\ & 1*F18 - 3*F20 + 1*F21 - 1*F22 - 2*F23 + 1*F25 + 2*F26 - 1*F27 + 1*F28 - \\ & 1*F29 - 1*F30 - 1*F31 + 2*F32 - 1*F33 + 2*G66 - 3*G67 - 1*G69 + 1*G70 - \\ & 1*G72 + 1*G73 + 1*G74 - 2*G75 + 1*G76 - 2*G78 + 1*G80 - 1*G81 - 1*G84 - \\ & 2*G85 + 1*G86 - 2*G89 - 2*G90 + 3*G95 - 1*G96 - 1*G97 + 1*G100 - 1*G102 - \\ & 1*G103 + 2*G104 - 2*G105 - 1*G107 - 2*G108 - 2*G110 - 1*G111 - 1*G112 + \\ & 1*G114 - 4*G116 - 1*G118 - 2*G119 - 1*G120 - 1*G121 + 1*G122 + 3*G123 + \\ & 1*G124 + 1*G125 \end{aligned}$$

$$\begin{aligned} H67 * H195 = & 2^{-1} - 2*A1 + 1*B1 - 1*B2 - 1*C6 + 1*C1 - 1*C4 - 2*D4 + 4*D5 \\ & + 1*D8 + 1*D9 - 1*D10 + 2*E4 - 3*E5 + 2*E7 - 1*E9 + 1*E10 + 2*E11 + 1*E12 \\ & + 4*E13 - 1*E14 + 1*E15 + 1*E16 + 1*E17 - 1*E18 + 2*F4 - 1*F5 + 1*F6 - \\ & 3*F7 - 2*F8 + 2*F9 - 2*F10 - 2*F11 - 1*F12 - 2*F13 - 2*F16 - 1*F17 + \\ & 1*F18 + 1*F19 - 3*F21 + 1*F22 - 1*F23 - 2*F24 + 1*F26 + 2*F27 - 1*F28 + \\ & 1*F29 - 1*F30 - 1*F31 - 1*F32 + 2*F33 - 1*F34 + 2*G67 - 3*G68 - 1*G70 + \\ & 1*G71 - 1*G73 + 1*G74 + 1*G75 - 2*G76 + 1*G77 - 2*G79 + 1*G81 - 1*G82 - \\ & 1*G85 - 2*G86 + 1*G87 - 2*G90 - 2*G91 + 3*G96 - 1*G97 - 1*G98 + 1*G101 - \\ & 1*G103 - 1*G104 + 2*G105 - 2*G106 - 1*G108 - 2*G109 - 2*G111 - 1*G112 - \end{aligned}$$

$$1*G113 + 1*G115 - 4*G117 - 1*G119 - 2*G120 - 1*G121 - 1*G122 + 1*G123 + 3*G124 + 1*G125 + 1*G126$$

$$\begin{aligned} H68 * H196 = & 2^{-1} - 2*A0 + 1*B2 - 1*B3 - 1*C1 + 1*C7 - 1*C2 - 2*D5 + 4*D6 \\ & + 1*D9 + 1*D10 - 1*D11 + 2*E5 - 3*E6 + 2*E8 - 1*E10 + 1*E11 + 2*E12 + \\ & 1*E13 + 4*E14 - 1*E15 + 1*E16 + 1*E17 + 1*E18 - 1*E19 + 2*F5 - 1*F6 + \\ & 1*F7 - 3*F8 - 2*F9 + 2*F10 - 2*F11 - 2*F12 - 1*F13 - 2*F14 - 2*F17 - \\ & 1*F18 + 1*F19 + 1*F20 - 3*F22 + 1*F23 - 1*F24 - 2*F25 + 1*F27 + 2*F28 - \\ & 1*F29 + 1*F30 - 1*F31 - 1*F32 - 1*F33 + 2*F34 - 1*F35 + 2*G68 - 3*G69 - \\ & 1*G71 + 1*G72 - 1*G74 + 1*G75 + 1*G76 - 2*G77 + 1*G78 - 2*G80 + 1*G82 - \\ & 1*G83 - 1*G86 - 2*G87 + 1*G88 - 2*G91 - 2*G92 + 3*G97 - 1*G98 - 1*G99 + \\ & 1*G102 - 1*G104 - 1*G105 + 2*G106 - 2*G107 - 1*G109 - 2*G110 - 2*G112 - \\ & 1*G113 - 1*G114 + 1*G116 - 4*G118 - 1*G120 - 2*G121 - 1*G122 - 1*G123 + \\ & 1*G124 + 3*G125 + 1*G126 + 1*G127 \end{aligned}$$

$$\begin{aligned} H69 * H197 = & 2^{-1} - 2*A1 + 1*B3 - 1*B0 - 1*C7 + 1*C4 - 1*C5 - 2*D6 + 4*D7 \\ & + 1*D10 + 1*D11 - 1*D12 + 2*E6 - 3*E7 + 2*E9 - 1*E11 + 1*E12 + 2*E13 + \\ & 1*E14 + 4*E15 - 1*E16 + 1*E17 + 1*E18 + 1*E19 - 1*E20 + 2*F6 - 1*F7 + \\ & 1*F8 - 3*F9 - 2*F10 + 2*F11 - 2*F12 - 2*F13 - 1*F14 - 2*F15 - 2*F18 - \\ & 1*F19 + 1*F20 + 1*F21 - 3*F23 + 1*F24 - 1*F25 - 2*F26 + 1*F28 + 2*F29 - \\ & 1*F30 + 1*F31 - 1*F32 - 1*F33 - 1*F34 + 2*F35 - 1*F36 + 2*G69 - 3*G70 - \\ & 1*G72 + 1*G73 - 1*G75 + 1*G76 + 1*G77 - 2*G78 + 1*G79 - 2*G81 + 1*G83 - \\ & 1*G84 - 1*G87 - 2*G88 + 1*G89 - 2*G92 - 2*G93 + 3*G98 - 1*G99 - 1*G100 + \\ & 1*G103 - 1*G105 - 1*G106 + 2*G107 - 2*G108 - 1*G110 - 2*G111 - 2*G113 - \\ & 1*G114 - 1*G115 + 1*G117 - 4*G119 - 1*G121 - 2*G122 - 1*G123 - 1*G124 + \\ & 1*G125 + 3*G126 + 1*G127 + 1*G0 \end{aligned}$$

$$\begin{aligned} H70 * H198 = & 2^{-1} - 2*A0 + 1*B0 - 1*B1 - 1*C4 + 1*C2 - 1*C3 - 2*D7 + 4*D8 \\ & + 1*D11 + 1*D12 - 1*D13 + 2*E7 - 3*E8 + 2*E10 - 1*E12 + 1*E13 + 2*E14 + \\ & 1*E15 + 4*E16 - 1*E17 + 1*E18 + 1*E19 + 1*E20 - 1*E21 + 2*F7 - 1*F8 + \\ & 1*F9 - 3*F10 - 2*F11 + 2*F12 - 2*F13 - 2*F14 - 1*F15 - 2*F16 - 2*F19 - \\ & 1*F20 + 1*F21 + 1*F22 - 3*F24 + 1*F25 - 1*F26 - 2*F27 + 1*F29 + 2*F30 - \\ & 1*F31 + 1*F32 - 1*F33 - 1*F34 - 1*F35 + 2*F36 - 1*F37 + 2*G70 - 3*G71 - \\ & 1*G73 + 1*G74 - 1*G76 + 1*G77 + 1*G78 - 2*G79 + 1*G80 - 2*G82 + 1*G84 - \\ & 1*G85 - 1*G88 - 2*G89 + 1*G90 - 2*G93 - 2*G94 + 3*G99 - 1*G100 - 1*G101 + \\ & 1*G104 - 1*G106 - 1*G107 + 2*G108 - 2*G109 - 1*G111 - 2*G112 - 2*G114 - \\ & 1*G115 - 1*G116 + 1*G118 - 4*G120 - 1*G122 - 2*G123 - 1*G124 - 1*G125 + \\ & 1*G126 + 3*G127 + 1*G0 + 1*G1 \end{aligned}$$

$$\begin{aligned} H71 * H199 = & 2^{-1} - 2*A1 + 1*B1 - 1*B2 - 1*C2 + 1*C5 - 1*C0 - 2*D8 + 4*D9 \\ & + 1*D12 + 1*D13 - 1*D14 + 2*E8 - 3*E9 + 2*E11 - 1*E13 + 1*E14 + 2*E15 + \\ & 1*E16 + 4*E17 - 1*E18 + 1*E19 + 1*E20 + 1*E21 - 1*E22 + 2*F8 - 1*F9 + \\ & 1*F10 - 3*F11 - 2*F12 + 2*F13 - 2*F14 - 2*F15 - 1*F16 - 2*F17 - 2*F20 - \\ & 1*F21 + 1*F22 + 1*F23 - 3*F25 + 1*F26 - 1*F27 - 2*F28 + 1*F30 + 2*F31 - \\ & 1*F32 + 1*F33 - 1*F34 - 1*F35 - 1*F36 + 2*F37 - 1*F38 + 2*G71 - 3*G72 - \\ & 1*G74 + 1*G75 - 1*G77 + 1*G78 + 1*G79 - 2*G80 + 1*G81 - 2*G83 + 1*G85 - \\ & 1*G86 - 1*G89 - 2*G90 + 1*G91 - 2*G94 - 2*G95 + 3*G100 - 1*G101 - 1*G102 \\ & + 1*G105 - 1*G107 - 1*G108 + 2*G109 - 2*G110 - 1*G112 - 2*G113 - 2*G115 - \\ & 1*G116 - 1*G117 + 1*G119 - 4*G121 - 1*G123 - 2*G124 - 1*G125 - 1*G126 + \\ & 1*G127 + 3*G0 + 1*G1 + 1*G2 \end{aligned}$$

$$\begin{aligned} H72 * H200 = & 2^{-1} - 2*A0 + 1*B2 - 1*B3 - 1*C5 + 1*C3 - 1*C6 - 2*D9 + \\ & 4*D10 + 1*D13 + 1*D14 - 1*D15 + 2*E9 - 3*E10 + 2*E12 - 1*E14 + 1*E15 + \\ & 2*E16 + 1*E17 + 4*E18 - 1*E19 + 1*E20 + 1*E21 + 1*E22 - 1*E23 + 2*F9 - \\ & 1*F10 + 1*F11 - 3*F12 - 2*F13 + 2*F14 - 2*F15 - 2*F16 - 1*F17 - 2*F18 - \\ & 2*F21 - 1*F22 + 1*F23 + 1*F24 - 3*F26 + 1*F27 - 1*F28 - 2*F29 + 1*F31 + \\ & 2*F32 - 1*F33 + 1*F34 - 1*F35 - 1*F36 - 1*F37 + 2*F38 - 1*F39 + 2*G72 - \\ & 3*G73 - 1*G75 + 1*G76 - 1*G78 + 1*G79 + 1*G80 - 2*G81 + 1*G82 - 2*G84 + \\ & 1*G86 - 1*G87 - 1*G90 - 2*G91 + 1*G92 - 2*G95 - 2*G96 + 3*G101 - 1*G102 - \\ & 1*G103 + 1*G106 - 1*G108 - 1*G109 + 2*G110 - 2*G111 - 1*G113 - 2*G114 - \end{aligned}$$

$$2*G116 - 1*G117 - 1*G118 + 1*G120 - 4*G122 - 1*G124 - 2*G125 - 1*G126 - 1*G127 + 1*G0 + 3*G1 + 1*G2 + 1*G3$$

$$\begin{aligned} H73 * H201 = & 2^{-1} - 2*A1 + 1*B3 - 1*B0 - 1*C3 + 1*C0 - 1*C1 - 2*D10 + \\ & 4*D11 + 1*D14 + 1*D15 - 1*D0 + 2*E10 - 3*E11 + 2*E13 - 1*E15 + 1*E16 + \\ & 2*E17 + 1*E18 + 4*E19 - 1*E20 + 1*E21 + 1*E22 + 1*E23 - 1*E24 + 2*F10 - \\ & 1*F11 + 1*F12 - 3*F13 - 2*F14 + 2*F15 - 2*F16 - 2*F17 - 1*F18 - 2*F19 - \\ & 2*F22 - 1*F23 + 1*F24 + 1*F25 - 3*F27 + 1*F28 - 1*F29 - 2*F30 + 1*F32 + \\ & 2*F33 - 1*F34 + 1*F35 - 1*F36 - 1*F37 - 1*F38 + 2*F39 - 1*F40 + 2*G73 - \\ & 3*G74 - 1*G76 + 1*G77 - 1*G79 + 1*G80 + 1*G81 - 2*G82 + 1*G83 - 2*G85 + \\ & 1*G87 - 1*G88 - 1*G91 - 2*G92 + 1*G93 - 2*G96 - 2*G97 + 3*G102 - 1*G103 - \\ & 1*G104 + 1*G107 - 1*G109 - 1*G110 + 2*G111 - 2*G112 - 1*G114 - 2*G115 - \\ & 2*G117 - 1*G118 - 1*G119 + 1*G121 - 4*G123 - 1*G125 - 2*G126 - 1*G127 - \\ & 1*G0 + 1*G1 + 3*G2 + 1*G3 + 1*G4 \end{aligned}$$

$$\begin{aligned} H74 * H202 = & 2^{-1} - 2*A0 + 1*B0 - 1*B1 - 1*C0 + 1*C6 - 1*C7 - 2*D11 + \\ & 4*D12 + 1*D15 + 1*D0 - 1*D1 + 2*E11 - 3*E12 + 2*E14 - 1*E16 + 1*E17 + \\ & 2*E18 + 1*E19 + 4*E20 - 1*E21 + 1*E22 + 1*E23 + 1*E24 - 1*E25 + 2*F11 - \\ & 1*F12 + 1*F13 - 3*F14 - 2*F15 + 2*F16 - 2*F17 - 2*F18 - 1*F19 - 2*F20 - \\ & 2*F23 - 1*F24 + 1*F25 + 1*F26 - 3*F28 + 1*F29 - 1*F30 - 2*F31 + 1*F33 + \\ & 2*F34 - 1*F35 + 1*F36 - 1*F37 - 1*F38 - 1*F39 + 2*F40 - 1*F41 + 2*G74 - \\ & 3*G75 - 1*G77 + 1*G78 - 1*G80 + 1*G81 + 1*G82 - 2*G83 + 1*G84 - 2*G86 + \\ & 1*G88 - 1*G89 - 1*G92 - 2*G93 + 1*G94 - 2*G97 - 2*G98 + 3*G103 - 1*G104 - \\ & 1*G105 + 1*G108 - 1*G110 - 1*G111 + 2*G112 - 2*G113 - 1*G115 - 2*G116 - \\ & 2*G118 - 1*G119 - 1*G120 + 1*G122 - 4*G124 - 1*G126 - 2*G127 - 1*G0 - \\ & 1*G1 + 1*G2 + 3*G3 + 1*G4 + 1*G5 \end{aligned}$$

$$\begin{aligned} H75 * H203 = & 2^{-1} - 2*A1 + 1*B1 - 1*B2 - 1*C6 + 1*C1 - 1*C4 - 2*D12 + \\ & 4*D13 + 1*D0 + 1*D1 - 1*D2 + 2*E12 - 3*E13 + 2*E15 - 1*E17 + 1*E18 + \\ & 2*E19 + 1*E20 + 4*E21 - 1*E22 + 1*E23 + 1*E24 + 1*E25 - 1*E26 + 2*F12 - \\ & 1*F13 + 1*F14 - 3*F15 - 2*F16 + 2*F17 - 2*F18 - 2*F19 - 1*F20 - 2*F21 - \\ & 2*F24 - 1*F25 + 1*F26 + 1*F27 - 3*F29 + 1*F30 - 1*F31 - 2*F32 + 1*F34 + \\ & 2*F35 - 1*F36 + 1*F37 - 1*F38 - 1*F39 - 1*F40 + 2*F41 - 1*F42 + 2*G75 - \\ & 3*G76 - 1*G78 + 1*G79 - 1*G81 + 1*G82 + 1*G83 - 2*G84 + 1*G85 - 2*G87 + \\ & 1*G89 - 1*G90 - 1*G93 - 2*G94 + 1*G95 - 2*G98 - 2*G99 + 3*G104 - 1*G105 - \\ & 1*G106 + 1*G109 - 1*G111 - 1*G112 + 2*G113 - 2*G114 - 1*G116 - 2*G117 - \\ & 2*G119 - 1*G120 - 1*G121 + 1*G123 - 4*G125 - 1*G127 - 2*G0 - 1*G1 - 1*G2 \\ & + 1*G3 + 3*G4 + 1*G5 + 1*G6 \end{aligned}$$

$$\begin{aligned} H76 * H204 = & 2^{-1} - 2*A0 + 1*B2 - 1*B3 - 1*C1 + 1*C7 - 1*C2 - 2*D13 + \\ & 4*D14 + 1*D1 + 1*D2 - 1*D3 + 2*E13 - 3*E14 + 2*E16 - 1*E18 + 1*E19 + \\ & 2*E20 + 1*E21 + 4*E22 - 1*E23 + 1*E24 + 1*E25 + 1*E26 - 1*E27 + 2*F13 - \\ & 1*F14 + 1*F15 - 3*F16 - 2*F17 + 2*F18 - 2*F19 - 2*F20 - 1*F21 - 2*F22 - \\ & 2*F25 - 1*F26 + 1*F27 + 1*F28 - 3*F30 + 1*F31 - 1*F32 - 2*F33 + 1*F35 + \\ & 2*F36 - 1*F37 + 1*F38 - 1*F39 - 1*F40 - 1*F41 + 2*F42 - 1*F43 + 2*G76 - \\ & 3*G77 - 1*G79 + 1*G80 - 1*G82 + 1*G83 + 1*G84 - 2*G85 + 1*G86 - 2*G88 + \\ & 1*G90 - 1*G91 - 1*G94 - 2*G95 + 1*G96 - 2*G99 - 2*G100 + 3*G105 - 1*G106 \\ & - 1*G107 + 1*G110 - 1*G112 - 1*G113 + 2*G114 - 2*G115 - 1*G117 - 2*G118 - \\ & 2*G120 - 1*G121 - 1*G122 + 1*G124 - 4*G126 - 1*G0 - 2*G1 - 1*G2 - 1*G3 + \\ & 1*G4 + 3*G5 + 1*G6 + 1*G7 \end{aligned}$$

$$\begin{aligned} H77 * H205 = & 2^{-1} - 2*A1 + 1*B3 - 1*B0 - 1*C7 + 1*C4 - 1*C5 - 2*D14 + \\ & 4*D15 + 1*D2 + 1*D3 - 1*D4 + 2*E14 - 3*E15 + 2*E17 - 1*E19 + 1*E20 + \\ & 2*E21 + 1*E22 + 4*E23 - 1*E24 + 1*E25 + 1*E26 + 1*E27 - 1*E28 + 2*F14 - \\ & 1*F15 + 1*F16 - 3*F17 - 2*F18 + 2*F19 - 2*F20 - 2*F21 - 1*F22 - 2*F23 - \\ & 2*F26 - 1*F27 + 1*F28 + 1*F29 - 3*F31 + 1*F32 - 1*F33 - 2*F34 + 1*F36 + \\ & 2*F37 - 1*F38 + 1*F39 - 1*F40 - 1*F41 - 1*F42 + 2*F43 - 1*F44 + 2*G77 - \\ & 3*G78 - 1*G80 + 1*G81 - 1*G83 + 1*G84 + 1*G85 - 2*G86 + 1*G87 - 2*G89 + \\ & 1*G91 - 1*G92 - 1*G95 - 2*G96 + 1*G97 - 2*G100 - 2*G101 + 3*G106 - 1*G107 \\ & - 1*G108 + 1*G111 - 1*G113 - 1*G114 + 2*G115 - 2*G116 - 1*G118 - 2*G119 - \end{aligned}$$

$$2*G121 - 1*G122 - 1*G123 + 1*G125 - 4*G127 - 1*G1 - 2*G2 - 1*G3 - 1*G4 + 1*G5 + 3*G6 + 1*G7 + 1*G8$$

$$\begin{aligned} H78 * H206 = & 2^{-1} - 2*A0 + 1*B0 - 1*B1 - 1*C4 + 1*C2 - 1*C3 - 2*D15 + \\ & 4*D0 + 1*D3 + 1*D4 - 1*D5 + 2*E15 - 3*E16 + 2*E18 - 1*E20 + 1*E21 + 2*E22 \\ & + 1*E23 + 4*E24 - 1*E25 + 1*E26 + 1*E27 + 1*E28 - 1*E29 + 2*F15 - 1*F16 + \\ & 1*F17 - 3*F18 - 2*F19 + 2*F20 - 2*F21 - 2*F22 - 1*F23 - 2*F24 - 2*F27 - \\ & 1*F28 + 1*F29 + 1*F30 - 3*F32 + 1*F33 - 1*F34 - 2*F35 + 1*F37 + 2*F38 - \\ & 1*F39 + 1*F40 - 1*F41 - 1*F42 - 1*F43 + 2*F44 - 1*F45 + 2*G78 - 3*G79 - \\ & 1*G81 + 1*G82 - 1*G84 + 1*G85 + 1*G86 - 2*G87 + 1*G88 - 2*G90 + 1*G92 - \\ & 1*G93 - 1*G96 - 2*G97 + 1*G98 - 2*G101 - 2*G102 + 3*G107 - 1*G108 - \\ & 1*G109 + 1*G112 - 1*G114 - 1*G115 + 2*G116 - 2*G117 - 1*G119 - 2*G120 - \\ & 2*G122 - 1*G123 - 1*G124 + 1*G126 - 4*G0 - 1*G2 - 2*G3 - 1*G4 - 1*G5 + \\ & 1*G6 + 3*G7 + 1*G8 + 1*G9 \end{aligned}$$

$$\begin{aligned} H79 * H207 = & 2^{-1} - 2*A1 + 1*B1 - 1*B2 - 1*C2 + 1*C5 - 1*C0 - 2*D0 + 4*D1 \\ & + 1*D4 + 1*D5 - 1*D6 + 2*E16 - 3*E17 + 2*E19 - 1*E21 + 1*E22 + 2*E23 + \\ & 1*E24 + 4*E25 - 1*E26 + 1*E27 + 1*E28 + 1*E29 - 1*E30 + 2*F16 - 1*F17 + \\ & 1*F18 - 3*F19 - 2*F20 + 2*F21 - 2*F22 - 2*F23 - 1*F24 - 2*F25 - 2*F28 - \\ & 1*F29 + 1*F30 + 1*F31 - 3*F33 + 1*F34 - 1*F35 - 2*F36 + 1*F38 + 2*F39 - \\ & 1*F40 + 1*F41 - 1*F42 - 1*F43 - 1*F44 + 2*F45 - 1*F46 + 2*G79 - 3*G80 - \\ & 1*G82 + 1*G83 - 1*G85 + 1*G86 + 1*G87 - 2*G88 + 1*G89 - 2*G91 + 1*G93 - \\ & 1*G94 - 1*G97 - 2*G98 + 1*G99 - 2*G102 - 2*G103 + 3*G108 - 1*G109 - \\ & 1*G110 + 1*G113 - 1*G115 - 1*G116 + 2*G117 - 2*G118 - 1*G120 - 2*G121 - \\ & 2*G123 - 1*G124 - 1*G125 + 1*G127 - 4*G1 - 1*G3 - 2*G4 - 1*G5 - 1*G6 + \\ & 1*G7 + 3*G8 + 1*G9 + 1*G10 \end{aligned}$$

$$\begin{aligned} H80 * H208 = & 2^{-1} - 2*A0 + 1*B2 - 1*B3 - 1*C5 + 1*C3 - 1*C6 - 2*D1 + 4*D2 \\ & + 1*D5 + 1*D6 - 1*D7 + 2*E17 - 3*E18 + 2*E20 - 1*E22 + 1*E23 + 2*E24 + \\ & 1*E25 + 4*E26 - 1*E27 + 1*E28 + 1*E29 + 1*E30 - 1*E31 + 2*F17 - 1*F18 + \\ & 1*F19 - 3*F20 - 2*F21 + 2*F22 - 2*F23 - 2*F24 - 1*F25 - 2*F26 - 2*F29 - \\ & 1*F30 + 1*F31 + 1*F32 - 3*F34 + 1*F35 - 1*F36 - 2*F37 + 1*F39 + 2*F40 - \\ & 1*F41 + 1*F42 - 1*F43 - 1*F44 - 1*F45 + 2*F46 - 1*F47 + 2*G80 - 3*G81 - \\ & 1*G83 + 1*G84 - 1*G86 + 1*G87 + 1*G88 - 2*G89 + 1*G90 - 2*G92 + 1*G94 - \\ & 1*G95 - 1*G98 - 2*G99 + 1*G100 - 2*G103 - 2*G104 + 3*G109 - 1*G110 - \\ & 1*G111 + 1*G114 - 1*G116 - 1*G117 + 2*G118 - 2*G119 - 1*G121 - 2*G122 - \\ & 2*G124 - 1*G125 - 1*G126 + 1*G0 - 4*G2 - 1*G4 - 2*G5 - 1*G6 - 1*G7 + 1*G8 \\ & + 3*G9 + 1*G10 + 1*G11 \end{aligned}$$

$$\begin{aligned} H81 * H209 = & 2^{-1} - 2*A1 + 1*B3 - 1*B0 - 1*C3 + 1*C0 - 1*C1 - 2*D2 + 4*D3 \\ & + 1*D6 + 1*D7 - 1*D8 + 2*E18 - 3*E19 + 2*E21 - 1*E23 + 1*E24 + 2*E25 + \\ & 1*E26 + 4*E27 - 1*E28 + 1*E29 + 1*E30 + 1*E31 - 1*E0 + 2*F18 - 1*F19 + \\ & 1*F20 - 3*F21 - 2*F22 + 2*F23 - 2*F24 - 2*F25 - 1*F26 - 2*F27 - 2*F30 - \\ & 1*F31 + 1*F32 + 1*F33 - 3*F35 + 1*F36 - 1*F37 - 2*F38 + 1*F40 + 2*F41 - \\ & 1*F42 + 1*F43 - 1*F44 - 1*F45 - 1*F46 + 2*F47 - 1*F48 + 2*G81 - 3*G82 - \\ & 1*G84 + 1*G85 - 1*G87 + 1*G88 + 1*G89 - 2*G90 + 1*G91 - 2*G93 + 1*G95 - \\ & 1*G96 - 1*G99 - 2*G100 + 1*G101 - 2*G104 - 2*G105 + 3*G110 - 1*G111 - \\ & 1*G112 + 1*G115 - 1*G117 - 1*G118 + 2*G119 - 2*G120 - 1*G122 - 2*G123 - \\ & 2*G125 - 1*G126 - 1*G127 + 1*G1 - 4*G3 - 1*G5 - 2*G6 - 1*G7 - 1*G8 + 1*G9 \\ & + 3*G10 + 1*G11 + 1*G12 \end{aligned}$$

$$\begin{aligned} H82 * H210 = & 2^{-1} - 2*A0 + 1*B0 - 1*B1 - 1*C0 + 1*C6 - 1*C7 - 2*D3 + 4*D4 \\ & + 1*D7 + 1*D8 - 1*D9 + 2*E19 - 3*E20 + 2*E22 - 1*E24 + 1*E25 + 2*E26 + \\ & 1*E27 + 4*E28 - 1*E29 + 1*E30 + 1*E31 + 1*E0 - 1*E1 + 2*F19 - 1*F20 + \\ & 1*F21 - 3*F22 - 2*F23 + 2*F24 - 2*F25 - 2*F26 - 1*F27 - 2*F28 - 2*F31 - \\ & 1*F32 + 1*F33 + 1*F34 - 3*F36 + 1*F37 - 1*F38 - 2*F39 + 1*F41 + 2*F42 - \\ & 1*F43 + 1*F44 - 1*F45 - 1*F46 - 1*F47 + 2*F48 - 1*F49 + 2*G82 - 3*G83 - \\ & 1*G85 + 1*G86 - 1*G88 + 1*G89 + 1*G90 - 2*G91 + 1*G92 - 2*G94 + 1*G96 - \\ & 1*G97 - 1*G100 - 2*G101 + 1*G102 - 2*G105 - 2*G106 + 3*G111 - 1*G112 - \\ & 1*G113 + 1*G116 - 1*G118 - 1*G119 + 2*G120 - 2*G121 - 1*G123 - 2*G124 - \end{aligned}$$

$$2*G126 - 1*G127 - 1*G0 + 1*G2 - 4*G4 - 1*G6 - 2*G7 - 1*G8 - 1*G9 + 1*G10 + 3*G11 + 1*G12 + 1*G13$$

$$\begin{aligned} H83 * H211 = & 2^{-1} - 2*A1 + 1*B1 - 1*B2 - 1*C6 + 1*C1 - 1*C4 - 2*D4 + 4*D5 \\ & + 1*D8 + 1*D9 - 1*D10 + 2*E20 - 3*E21 + 2*E23 - 1*E25 + 1*E26 + 2*E27 + \\ & 1*E28 + 4*E29 - 1*E30 + 1*E31 + 1*E0 + 1*E1 - 1*E2 + 2*F20 - 1*F21 + \\ & 1*F22 - 3*F23 - 2*F24 + 2*F25 - 2*F26 - 2*F27 - 1*F28 - 2*F29 - 2*F32 - \\ & 1*F33 + 1*F34 + 1*F35 - 3*F37 + 1*F38 - 1*F39 - 2*F40 + 1*F42 + 2*F43 - \\ & 1*F44 + 1*F45 - 1*F46 - 1*F47 - 1*F48 + 2*F49 - 1*F50 + 2*G83 - 3*G84 - \\ & 1*G86 + 1*G87 - 1*G89 + 1*G90 + 1*G91 - 2*G92 + 1*G93 - 2*G95 + 1*G97 - \\ & 1*G98 - 1*G101 - 2*G102 + 1*G103 - 2*G106 - 2*G107 + 3*G112 - 1*G113 - \\ & 1*G114 + 1*G117 - 1*G119 - 1*G120 + 2*G121 - 2*G122 - 1*G124 - 2*G125 - \\ & 2*G127 - 1*G0 - 1*G1 + 1*G3 - 4*G5 - 1*G7 - 2*G8 - 1*G9 - 1*G10 + 1*G11 + \\ & 3*G12 + 1*G13 + 1*G14 \end{aligned}$$

$$\begin{aligned} H84 * H212 = & 2^{-1} - 2*A0 + 1*B2 - 1*B3 - 1*C1 + 1*C7 - 1*C2 - 2*D5 + 4*D6 \\ & + 1*D9 + 1*D10 - 1*D11 + 2*E21 - 3*E22 + 2*E24 - 1*E26 + 1*E27 + 2*E28 + \\ & 1*E29 + 4*E30 - 1*E31 + 1*E0 + 1*E1 + 1*E2 - 1*E3 + 2*F21 - 1*F22 + 1*F23 \\ & - 3*F24 - 2*F25 + 2*F26 - 2*F27 - 2*F28 - 1*F29 - 2*F30 - 2*F33 - 1*F34 + \\ & 1*F35 + 1*F36 - 3*F38 + 1*F39 - 1*F40 - 2*F41 + 1*F43 + 2*F44 - 1*F45 + \\ & 1*F46 - 1*F47 - 1*F48 - 1*F49 + 2*F50 - 1*F51 + 2*G84 - 3*G85 - 1*G87 + \\ & 1*G88 - 1*G90 + 1*G91 + 1*G92 - 2*G93 + 1*G94 - 2*G96 + 1*G98 - 1*G99 - \\ & 1*G102 - 2*G103 + 1*G104 - 2*G107 - 2*G108 + 3*G113 - 1*G114 - 1*G115 + \\ & 1*G118 - 1*G120 - 1*G121 + 2*G122 - 2*G123 - 1*G125 - 2*G126 - 2*G0 - \\ & 1*G1 - 1*G2 + 1*G4 - 4*G6 - 1*G8 - 2*G9 - 1*G10 - 1*G11 + 1*G12 + 3*G13 + \\ & 1*G14 + 1*G15 \end{aligned}$$

$$\begin{aligned} H85 * H213 = & 2^{-1} - 2*A1 + 1*B3 - 1*B0 - 1*C7 + 1*C4 - 1*C5 - 2*D6 + 4*D7 \\ & + 1*D10 + 1*D11 - 1*D12 + 2*E22 - 3*E23 + 2*E25 - 1*E27 + 1*E28 + 2*E29 + \\ & 1*E30 + 4*E31 - 1*E0 + 1*E1 + 1*E2 + 1*E3 - 1*E4 + 2*F22 - 1*F23 + 1*F24 \\ & - 3*F25 - 2*F26 + 2*F27 - 2*F28 - 2*F29 - 1*F30 - 2*F31 - 2*F34 - 1*F35 + \\ & 1*F36 + 1*F37 - 3*F39 + 1*F40 - 1*F41 - 2*F42 + 1*F44 + 2*F45 - 1*F46 + \\ & 1*F47 - 1*F48 - 1*F49 - 1*F50 + 2*F51 - 1*F52 + 2*G85 - 3*G86 - 1*G88 + \\ & 1*G89 - 1*G91 + 1*G92 + 1*G93 - 2*G94 + 1*G95 - 2*G97 + 1*G99 - 1*G100 - \\ & 1*G103 - 2*G104 + 1*G105 - 2*G108 - 2*G109 + 3*G114 - 1*G115 - 1*G116 + \\ & 1*G119 - 1*G121 - 1*G122 + 2*G123 - 2*G124 - 1*G126 - 2*G127 - 2*G1 - \\ & 1*G2 - 1*G3 + 1*G5 - 4*G7 - 1*G9 - 2*G10 - 1*G11 - 1*G12 + 1*G13 + 3*G14 \\ & + 1*G15 + 1*G16 \end{aligned}$$

$$\begin{aligned} H86 * H214 = & 2^{-1} - 2*A0 + 1*B0 - 1*B1 - 1*C4 + 1*C2 - 1*C3 - 2*D7 + 4*D8 \\ & + 1*D11 + 1*D12 - 1*D13 + 2*E23 - 3*E24 + 2*E26 - 1*E28 + 1*E29 + 2*E30 + \\ & 1*E31 + 4*E0 - 1*E1 + 1*E2 + 1*E3 + 1*E4 - 1*E5 + 2*F23 - 1*F24 + 1*F25 - \\ & 3*F26 - 2*F27 + 2*F28 - 2*F29 - 2*F30 - 1*F31 - 2*F32 - 2*F35 - 1*F36 + \\ & 1*F37 + 1*F38 - 3*F40 + 1*F41 - 1*F42 - 2*F43 + 1*F45 + 2*F46 - 1*F47 + \\ & 1*F48 - 1*F49 - 1*F50 - 1*F51 + 2*F52 - 1*F53 + 2*G86 - 3*G87 - 1*G89 + \\ & 1*G90 - 1*G92 + 1*G93 + 1*G94 - 2*G95 + 1*G96 - 2*G98 + 1*G100 - 1*G101 - \\ & 1*G104 - 2*G105 + 1*G106 - 2*G109 - 2*G110 + 3*G115 - 1*G116 - 1*G117 + \\ & 1*G120 - 1*G122 - 1*G123 + 2*G124 - 2*G125 - 1*G127 - 2*G0 - 2*G2 - 1*G3 \\ & - 1*G4 + 1*G6 - 4*G8 - 1*G10 - 2*G11 - 1*G12 - 1*G13 + 1*G14 + 3*G15 + \\ & 1*G16 + 1*G17 \end{aligned}$$

$$\begin{aligned} H87 * H215 = & 2^{-1} - 2*A1 + 1*B1 - 1*B2 - 1*C2 + 1*C5 - 1*C0 - 2*D8 + 4*D9 \\ & + 1*D12 + 1*D13 - 1*D14 + 2*E24 - 3*E25 + 2*E27 - 1*E29 + 1*E30 + 2*E31 + \\ & 1*E0 + 4*E1 - 1*E2 + 1*E3 + 1*E4 + 1*E5 - 1*E6 + 2*F24 - 1*F25 + 1*F26 - \\ & 3*F27 - 2*F28 + 2*F29 - 2*F30 - 2*F31 - 1*F32 - 2*F33 - 2*F36 - 1*F37 + \\ & 1*F38 + 1*F39 - 3*F41 + 1*F42 - 1*F43 - 2*F44 + 1*F46 + 2*F47 - 1*F48 + \\ & 1*F49 - 1*F50 - 1*F51 - 1*F52 + 2*F53 - 1*F54 + 2*G87 - 3*G88 - 1*G90 + \\ & 1*G91 - 1*G93 + 1*G94 + 1*G95 - 2*G96 + 1*G97 - 2*G99 + 1*G101 - 1*G102 - \\ & 1*G105 - 2*G106 + 1*G107 - 2*G110 - 2*G111 + 3*G116 - 1*G117 - 1*G118 + \\ & 1*G121 - 1*G123 - 1*G124 + 2*G125 - 2*G126 - 1*G0 - 2*G1 - 2*G3 - 1*G4 - \end{aligned}$$

$$1*G5 + 1*G7 - 4*G9 - 1*G11 - 2*G12 - 1*G13 - 1*G14 + 1*G15 + 3*G16 + 1*G17 + 1*G18$$

$$\begin{aligned} H88 * H216 = & 2^{-1} - 2*A0 + 1*B2 - 1*B3 - 1*C5 + 1*C3 - 1*C6 - 2*D9 + \\ & 4*D10 + 1*D13 + 1*D14 - 1*D15 + 2*E25 - 3*E26 + 2*E28 - 1*E30 + 1*E31 + \\ & 2*E0 + 1*E1 + 4*E2 - 1*E3 + 1*E4 + 1*E5 + 1*E6 - 1*E7 + 2*F25 - 1*F26 + \\ & 1*F27 - 3*F28 - 2*F29 + 2*F30 - 2*F31 - 2*F32 - 1*F33 - 2*F34 - 2*F37 - \\ & 1*F38 + 1*F39 + 1*F40 - 3*F42 + 1*F43 - 1*F44 - 2*F45 + 1*F47 + 2*F48 - \\ & 1*F49 + 1*F50 - 1*F51 - 1*F52 - 1*F53 + 2*F54 - 1*F55 + 2*G88 - 3*G89 - \\ & 1*G91 + 1*G92 - 1*G94 + 1*G95 + 1*G96 - 2*G97 + 1*G98 - 2*G100 + 1*G102 - \\ & 1*G103 - 1*G106 - 2*G107 + 1*G108 - 2*G111 - 2*G112 + 3*G117 - 1*G118 - \\ & 1*G119 + 1*G122 - 1*G124 - 1*G125 + 2*G126 - 2*G127 - 1*G1 - 2*G2 - 2*G4 \\ & - 1*G5 - 1*G6 + 1*G8 - 4*G10 - 1*G12 - 2*G13 - 1*G14 - 1*G15 + 1*G16 + \\ & 3*G17 + 1*G18 + 1*G19 \end{aligned}$$

$$\begin{aligned} H89 * H217 = & 2^{-1} - 2*A1 + 1*B3 - 1*B0 - 1*C3 + 1*C0 - 1*C1 - 2*D10 + \\ & 4*D11 + 1*D14 + 1*D15 - 1*D0 + 2*E26 - 3*E27 + 2*E29 - 1*E31 + 1*E0 + \\ & 2*E1 + 1*E2 + 4*E3 - 1*E4 + 1*E5 + 1*E6 + 1*E7 - 1*E8 + 2*F26 - 1*F27 + \\ & 1*F28 - 3*F29 - 2*F30 + 2*F31 - 2*F32 - 2*F33 - 1*F34 - 2*F35 - 2*F38 - \\ & 1*F39 + 1*F40 + 1*F41 - 3*F43 + 1*F44 - 1*F45 - 2*F46 + 1*F48 + 2*F49 - \\ & 1*F50 + 1*F51 - 1*F52 - 1*F53 - 1*F54 + 2*F55 - 1*F56 + 2*G89 - 3*G90 - \\ & 1*G92 + 1*G93 - 1*G95 + 1*G96 + 1*G97 - 2*G98 + 1*G99 - 2*G101 + 1*G103 - \\ & 1*G104 - 1*G107 - 2*G108 + 1*G109 - 2*G112 - 2*G113 + 3*G118 - 1*G119 - \\ & 1*G120 + 1*G123 - 1*G125 - 1*G126 + 2*G127 - 2*G0 - 1*G2 - 2*G3 - 2*G5 - \\ & 1*G6 - 1*G7 + 1*G9 - 4*G11 - 1*G13 - 2*G14 - 1*G15 - 1*G16 + 1*G17 + \\ & 3*G18 + 1*G19 + 1*G20 \end{aligned}$$

$$\begin{aligned} H90 * H218 = & 2^{-1} - 2*A0 + 1*B0 - 1*B1 - 1*C0 + 1*C6 - 1*C7 - 2*D11 + \\ & 4*D12 + 1*D15 + 1*D0 - 1*D1 + 2*E27 - 3*E28 + 2*E30 - 1*E0 + 1*E1 + 2*E2 \\ & + 1*E3 + 4*E4 - 1*E5 + 1*E6 + 1*E7 + 1*E8 - 1*E9 + 2*F27 - 1*F28 + 1*F29 \\ & - 3*F30 - 2*F31 + 2*F32 - 2*F33 - 2*F34 - 1*F35 - 2*F36 - 2*F39 - 1*F40 + \\ & 1*F41 + 1*F42 - 3*F44 + 1*F45 - 1*F46 - 2*F47 + 1*F49 + 2*F50 - 1*F51 + \\ & 1*F52 - 1*F53 - 1*F54 - 1*F55 + 2*F56 - 1*F57 + 2*G90 - 3*G91 - 1*G93 + \\ & 1*G94 - 1*G96 + 1*G97 + 1*G98 - 2*G99 + 1*G100 - 2*G102 + 1*G104 - 1*G105 \\ & - 1*G108 - 2*G109 + 1*G110 - 2*G113 - 2*G114 + 3*G119 - 1*G120 - 1*G121 + \\ & 1*G124 - 1*G126 - 1*G127 + 2*G0 - 2*G1 - 1*G3 - 2*G4 - 2*G6 - 1*G7 - 1*G8 \\ & + 1*G10 - 4*G12 - 1*G14 - 2*G15 - 1*G16 - 1*G17 + 1*G18 + 3*G19 + 1*G20 + \\ & 1*G21 \end{aligned}$$

$$\begin{aligned} H91 * H219 = & 2^{-1} - 2*A1 + 1*B1 - 1*B2 - 1*C6 + 1*C1 - 1*C4 - 2*D12 + \\ & 4*D13 + 1*D0 + 1*D1 - 1*D2 + 2*E28 - 3*E29 + 2*E31 - 1*E1 + 1*E2 + 2*E3 + \\ & 1*E4 + 4*E5 - 1*E6 + 1*E7 + 1*E8 + 1*E9 - 1*E10 + 2*F28 - 1*F29 + 1*F30 - \\ & 3*F31 - 2*F32 + 2*F33 - 2*F34 - 2*F35 - 1*F36 - 2*F37 - 2*F40 - 1*F41 + \\ & 1*F42 + 1*F43 - 3*F45 + 1*F46 - 1*F47 - 2*F48 + 1*F50 + 2*F51 - 1*F52 + \\ & 1*F53 - 1*F54 - 1*F55 - 1*F56 + 2*F57 - 1*F58 + 2*G91 - 3*G92 - 1*G94 + \\ & 1*G95 - 1*G97 + 1*G98 + 1*G99 - 2*G100 + 1*G101 - 2*G103 + 1*G105 - \\ & 1*G106 - 1*G109 - 2*G110 + 1*G111 - 2*G114 - 2*G115 + 3*G120 - 1*G121 - \\ & 1*G122 + 1*G125 - 1*G127 - 1*G0 + 2*G1 - 2*G2 - 1*G4 - 2*G5 - 2*G7 - 1*G8 \\ & - 1*G9 + 1*G11 - 4*G13 - 1*G15 - 2*G16 - 1*G17 - 1*G18 + 1*G19 + 3*G20 + \\ & 1*G21 + 1*G22 \end{aligned}$$

$$\begin{aligned} H92 * H220 = & 2^{-1} - 2*A0 + 1*B2 - 1*B3 - 1*C1 + 1*C7 - 1*C2 - 2*D13 + \\ & 4*D14 + 1*D1 + 1*D2 - 1*D3 + 2*E29 - 3*E30 + 2*E0 - 1*E2 + 1*E3 + 2*E4 + \\ & 1*E5 + 4*E6 - 1*E7 + 1*E8 + 1*E9 + 1*E10 - 1*E11 + 2*F29 - 1*F30 + 1*F31 \\ & - 3*F32 - 2*F33 + 2*F34 - 2*F35 - 2*F36 - 1*F37 - 2*F38 - 2*F41 - 1*F42 + \\ & 1*F43 + 1*F44 - 3*F46 + 1*F47 - 1*F48 - 2*F49 + 1*F51 + 2*F52 - 1*F53 + \\ & 1*F54 - 1*F55 - 1*F56 - 1*F57 + 2*F58 - 1*F59 + 2*G92 - 3*G93 - 1*G95 + \\ & 1*G96 - 1*G98 + 1*G99 + 1*G100 - 2*G101 + 1*G102 - 2*G104 + 1*G106 - \\ & 1*G107 - 1*G110 - 2*G111 + 1*G112 - 2*G115 - 2*G116 + 3*G121 - 1*G122 - \\ & 1*G123 + 1*G126 - 1*G0 - 1*G1 + 2*G2 - 2*G3 - 1*G5 - 2*G6 - 2*G8 - 1*G9 - \end{aligned}$$

$$1*G10 + 1*G12 - 4*G14 - 1*G16 - 2*G17 - 1*G18 - 1*G19 + 1*G20 + 3*G21 + 1*G22 + 1*G23$$

$$\begin{aligned} H93 * H221 = & 2^{-1} - 2*A1 + 1*B3 - 1*B0 - 1*C7 + 1*C4 - 1*C5 - 2*D14 + \\ & 4*D15 + 1*D2 + 1*D3 - 1*D4 + 2*E30 - 3*E31 + 2*E1 - 1*E3 + 1*E4 + 2*E5 + \\ & 1*E6 + 4*E7 - 1*E8 + 1*E9 + 1*E10 + 1*E11 - 1*E12 + 2*F30 - 1*F31 + 1*F32 \\ & - 3*F33 - 2*F34 + 2*F35 - 2*F36 - 2*F37 - 1*F38 - 2*F39 - 2*F42 - 1*F43 + \\ & 1*F44 + 1*F45 - 3*F47 + 1*F48 - 1*F49 - 2*F50 + 1*F52 + 2*F53 - 1*F54 + \\ & 1*F55 - 1*F56 - 1*F57 - 1*F58 + 2*F59 - 1*F60 + 2*G93 - 3*G94 - 1*G96 + \\ & 1*G97 - 1*G99 + 1*G100 + 1*G101 - 2*G102 + 1*G103 - 2*G105 + 1*G107 - \\ & 1*G108 - 1*G111 - 2*G112 + 1*G113 - 2*G116 - 2*G117 + 3*G122 - 1*G123 - \\ & 1*G124 + 1*G127 - 1*G1 - 1*G2 + 2*G3 - 2*G4 - 1*G6 - 2*G7 - 2*G9 - 1*G10 \\ & - 1*G11 + 1*G13 - 4*G15 - 1*G17 - 2*G18 - 1*G19 - 1*G20 + 1*G21 + 3*G22 + \\ & 1*G23 + 1*G24 \end{aligned}$$

$$\begin{aligned} H94 * H222 = & 2^{-1} - 2*A0 + 1*B0 - 1*B1 - 1*C4 + 1*C2 - 1*C3 - 2*D15 + \\ & 4*D0 + 1*D3 + 1*D4 - 1*D5 + 2*E31 - 3*E0 + 2*E2 - 1*E4 + 1*E5 + 2*E6 + \\ & 1*E7 + 4*E8 - 1*E9 + 1*E10 + 1*E11 + 1*E12 - 1*E13 + 2*F31 - 1*F32 + \\ & 1*F33 - 3*F34 - 2*F35 + 2*F36 - 2*F37 - 2*F38 - 1*F39 - 2*F40 - 2*F43 - \\ & 1*F44 + 1*F45 + 1*F46 - 3*F48 + 1*F49 - 1*F50 - 2*F51 + 1*F53 + 2*F54 - \\ & 1*F55 + 1*F56 - 1*F57 - 1*F58 - 1*F59 + 2*F60 - 1*F61 + 2*G94 - 3*G95 - \\ & 1*G97 + 1*G98 - 1*G100 + 1*G101 + 1*G102 - 2*G103 + 1*G104 - 2*G106 + \\ & 1*G108 - 1*G109 - 1*G112 - 2*G113 + 1*G114 - 2*G117 - 2*G118 + 3*G123 - \\ & 1*G124 - 1*G125 + 1*G0 - 1*G2 - 1*G3 + 2*G4 - 2*G5 - 1*G7 - 2*G8 - 2*G10 \\ & - 1*G11 - 1*G12 + 1*G14 - 4*G16 - 1*G18 - 2*G19 - 1*G20 - 1*G21 + 1*G22 + \\ & 3*G23 + 1*G24 + 1*G25 \end{aligned}$$

$$\begin{aligned} H95 * H223 = & 2^{-1} - 2*A1 + 1*B1 - 1*B2 - 1*C2 + 1*C5 - 1*C0 - 2*D0 + 4*D1 \\ & + 1*D4 + 1*D5 - 1*D6 + 2*E0 - 3*E1 + 2*E3 - 1*E5 + 1*E6 + 2*E7 + 1*E8 + \\ & 4*E9 - 1*E10 + 1*E11 + 1*E12 + 1*E13 - 1*E14 + 2*F32 - 1*F33 + 1*F34 - \\ & 3*F35 - 2*F36 + 2*F37 - 2*F38 - 2*F39 - 1*F40 - 2*F41 - 2*F44 - 1*F45 + \\ & 1*F46 + 1*F47 - 3*F49 + 1*F50 - 1*F51 - 2*F52 + 1*F54 + 2*F55 - 1*F56 + \\ & 1*F57 - 1*F58 - 1*F59 - 1*F60 + 2*F61 - 1*F62 + 2*G95 - 3*G96 - 1*G98 + \\ & 1*G99 - 1*G101 + 1*G102 + 1*G103 - 2*G104 + 1*G105 - 2*G107 + 1*G109 - \\ & 1*G110 - 1*G113 - 2*G114 + 1*G115 - 2*G118 - 2*G119 + 3*G124 - 1*G125 - \\ & 1*G126 + 1*G1 - 1*G3 - 1*G4 + 2*G5 - 2*G6 - 1*G8 - 2*G9 - 2*G11 - 1*G12 - \\ & 1*G13 + 1*G15 - 4*G17 - 1*G19 - 2*G20 - 1*G21 - 1*G22 + 1*G23 + 3*G24 + \\ & 1*G25 + 1*G26 \end{aligned}$$

$$\begin{aligned} H96 * H224 = & 2^{-1} - 2*A0 + 1*B2 - 1*B3 - 1*C5 + 1*C3 - 1*C6 - 2*D1 + 4*D2 \\ & + 1*D5 + 1*D6 - 1*D7 + 2*E1 - 3*E2 + 2*E4 - 1*E6 + 1*E7 + 2*E8 + 1*E9 + \\ & 4*E10 - 1*E11 + 1*E12 + 1*E13 + 1*E14 - 1*E15 + 2*F33 - 1*F34 + 1*F35 - \\ & 3*F36 - 2*F37 + 2*F38 - 2*F39 - 2*F40 - 1*F41 - 2*F42 - 2*F45 - 1*F46 + \\ & 1*F47 + 1*F48 - 3*F50 + 1*F51 - 1*F52 - 2*F53 + 1*F55 + 2*F56 - 1*F57 + \\ & 1*F58 - 1*F59 - 1*F60 - 1*F61 + 2*F62 - 1*F63 + 2*G96 - 3*G97 - 1*G99 + \\ & 1*G100 - 1*G102 + 1*G103 + 1*G104 - 2*G105 + 1*G106 - 2*G108 + 1*G110 - \\ & 1*G111 - 1*G114 - 2*G115 + 1*G116 - 2*G119 - 2*G120 + 3*G125 - 1*G126 - \\ & 1*G127 + 1*G2 - 1*G4 - 1*G5 + 2*G6 - 2*G7 - 1*G9 - 2*G10 - 2*G12 - 1*G13 \\ & - 1*G14 + 1*G16 - 4*G18 - 1*G20 - 2*G21 - 1*G22 - 1*G23 + 1*G24 + 3*G25 + \\ & 1*G26 + 1*G27 \end{aligned}$$

$$\begin{aligned} H97 * H225 = & 2^{-1} - 2*A1 + 1*B3 - 1*B0 - 1*C3 + 1*C0 - 1*C1 - 2*D2 + 4*D3 \\ & + 1*D6 + 1*D7 - 1*D8 + 2*E2 - 3*E3 + 2*E5 - 1*E7 + 1*E8 + 2*E9 + 1*E10 + \\ & 4*E11 - 1*E12 + 1*E13 + 1*E14 + 1*E15 - 1*E16 + 2*F34 - 1*F35 + 1*F36 - \\ & 3*F37 - 2*F38 + 2*F39 - 2*F40 - 2*F41 - 1*F42 - 2*F43 - 2*F46 - 1*F47 + \\ & 1*F48 + 1*F49 - 3*F51 + 1*F52 - 1*F53 - 2*F54 + 1*F56 + 2*F57 - 1*F58 + \\ & 1*F59 - 1*F60 - 1*F61 - 1*F62 + 2*F63 - 1*F0 + 2*G97 - 3*G98 - 1*G100 + \\ & 1*G101 - 1*G103 + 1*G104 + 1*G105 - 2*G106 + 1*G107 - 2*G109 + 1*G111 - \\ & 1*G112 - 1*G115 - 2*G116 + 1*G117 - 2*G120 - 2*G121 + 3*G126 - 1*G127 - \\ & 1*G0 + 1*G3 - 1*G5 - 1*G6 + 2*G7 - 2*G8 - 1*G10 - 2*G11 - 2*G13 - 1*G14 - \end{aligned}$$

$$1*G15 + 1*G17 - 4*G19 - 1*G21 - 2*G22 - 1*G23 - 1*G24 + 1*G25 + 3*G26 + 1*G27 + 1*G28$$

$$\begin{aligned} H98 * H226 = & 2^{-1} - 2*A0 + 1*B0 - 1*B1 - 1*C0 + 1*C6 - 1*C7 - 2*D3 + 4*D4 \\ & + 1*D7 + 1*D8 - 1*D9 + 2*E3 - 3*E4 + 2*E6 - 1*E8 + 1*E9 + 2*E10 + 1*E11 + \\ & 4*E12 - 1*E13 + 1*E14 + 1*E15 + 1*E16 - 1*E17 + 2*F35 - 1*F36 + 1*F37 - \\ & 3*F38 - 2*F39 + 2*F40 - 2*F41 - 2*F42 - 1*F43 - 2*F44 - 2*F47 - 1*F48 + \\ & 1*F49 + 1*F50 - 3*F52 + 1*F53 - 1*F54 - 2*F55 + 1*F57 + 2*F58 - 1*F59 + \\ & 1*F60 - 1*F61 - 1*F62 - 1*F63 + 2*F0 - 1*F1 + 2*G98 - 3*G99 - 1*G101 + \\ & 1*G102 - 1*G104 + 1*G105 + 1*G106 - 2*G107 + 1*G108 - 2*G110 + 1*G112 - \\ & 1*G113 - 1*G116 - 2*G117 + 1*G118 - 2*G121 - 2*G122 + 3*G127 - 1*G0 - \\ & 1*G1 + 1*G4 - 1*G6 - 1*G7 + 2*G8 - 2*G9 - 1*G11 - 2*G12 - 2*G14 - 1*G15 - \\ & 1*G16 + 1*G18 - 4*G20 - 1*G22 - 2*G23 - 1*G24 - 1*G25 + 1*G26 + 3*G27 + \\ & 1*G28 + 1*G29 \end{aligned}$$

$$\begin{aligned} H99 * H227 = & 2^{-1} - 2*A1 + 1*B1 - 1*B2 - 1*C6 + 1*C1 - 1*C4 - 2*D4 + 4*D5 \\ & + 1*D8 + 1*D9 - 1*D10 + 2*E4 - 3*E5 + 2*E7 - 1*E9 + 1*E10 + 2*E11 + 1*E12 \\ & + 4*E13 - 1*E14 + 1*E15 + 1*E16 + 1*E17 - 1*E18 + 2*F36 - 1*F37 + 1*F38 - \\ & 3*F39 - 2*F40 + 2*F41 - 2*F42 - 2*F43 - 1*F44 - 2*F45 - 2*F48 - 1*F49 + \\ & 1*F50 + 1*F51 - 3*F53 + 1*F54 - 1*F55 - 2*F56 + 1*F58 + 2*F59 - 1*F60 + \\ & 1*F61 - 1*F62 - 1*F63 - 1*F0 + 2*F1 - 1*F2 + 2*G99 - 3*G100 - 1*G102 + \\ & 1*G103 - 1*G105 + 1*G106 + 1*G107 - 2*G108 + 1*G109 - 2*G111 + 1*G113 - \\ & 1*G114 - 1*G117 - 2*G118 + 1*G119 - 2*G122 - 2*G123 + 3*G0 - 1*G1 - 1*G2 \\ & + 1*G5 - 1*G7 - 1*G8 + 2*G9 - 2*G10 - 1*G12 - 2*G13 - 2*G15 - 1*G16 - \\ & 1*G17 + 1*G19 - 4*G21 - 1*G23 - 2*G24 - 1*G25 - 1*G26 + 1*G27 + 3*G28 + \\ & 1*G29 + 1*G30 \end{aligned}$$

$$\begin{aligned} H100 * H228 = & 2^{-1} - 2*A0 + 1*B2 - 1*B3 - 1*C1 + 1*C7 - 1*C2 - 2*D5 + \\ & 4*D6 + 1*D9 + 1*D10 - 1*D11 + 2*E5 - 3*E6 + 2*E8 - 1*E10 + 1*E11 + 2*E12 \\ & + 1*E13 + 4*E14 - 1*E15 + 1*E16 + 1*E17 + 1*E18 - 1*E19 + 2*F37 - 1*F38 + \\ & 1*F39 - 3*F40 - 2*F41 + 2*F42 - 2*F43 - 2*F44 - 1*F45 - 2*F46 - 2*F49 - \\ & 1*F50 + 1*F51 + 1*F52 - 3*F54 + 1*F55 - 1*F56 - 2*F57 + 1*F59 + 2*F60 - \\ & 1*F61 + 1*F62 - 1*F63 - 1*F0 - 1*F1 + 2*F2 - 1*F3 + 2*G100 - 3*G101 - \\ & 1*G103 + 1*G104 - 1*G106 + 1*G107 + 1*G108 - 2*G109 + 1*G110 - 2*G112 + \\ & 1*G114 - 1*G115 - 1*G118 - 2*G119 + 1*G120 - 2*G123 - 2*G124 + 3*G1 - \\ & 1*G2 - 1*G3 + 1*G6 - 1*G8 - 1*G9 + 2*G10 - 2*G11 - 1*G13 - 2*G14 - 2*G16 \\ & - 1*G17 - 1*G18 + 1*G20 - 4*G22 - 1*G24 - 2*G25 - 1*G26 - 1*G27 + 1*G28 + \\ & 3*G29 + 1*G30 + 1*G31 \end{aligned}$$

$$\begin{aligned} H101 * H229 = & 2^{-1} - 2*A1 + 1*B3 - 1*B0 - 1*C7 + 1*C4 - 1*C5 - 2*D6 + \\ & 4*D7 + 1*D10 + 1*D11 - 1*D12 + 2*E6 - 3*E7 + 2*E9 - 1*E11 + 1*E12 + 2*E13 \\ & + 1*E14 + 4*E15 - 1*E16 + 1*E17 + 1*E18 + 1*E19 - 1*E20 + 2*F38 - 1*F39 + \\ & 1*F40 - 3*F41 - 2*F42 + 2*F43 - 2*F44 - 2*F45 - 1*F46 - 2*F47 - 2*F50 - \\ & 1*F51 + 1*F52 + 1*F53 - 3*F55 + 1*F56 - 1*F57 - 2*F58 + 1*F60 + 2*F61 - \\ & 1*F62 + 1*F63 - 1*F0 - 1*F1 - 1*F2 + 2*F3 - 1*F4 + 2*G101 - 3*G102 - \\ & 1*G104 + 1*G105 - 1*G107 + 1*G108 + 1*G109 - 2*G110 + 1*G111 - 2*G113 + \\ & 1*G115 - 1*G116 - 1*G119 - 2*G120 + 1*G121 - 2*G124 - 2*G125 + 3*G2 - \\ & 1*G3 - 1*G4 + 1*G7 - 1*G9 - 1*G10 + 2*G11 - 2*G12 - 1*G14 - 2*G15 - 2*G17 \\ & - 1*G18 - 1*G19 + 1*G21 - 4*G23 - 1*G25 - 2*G26 - 1*G27 - 1*G28 + 1*G29 + \\ & 3*G30 + 1*G31 + 1*G32 \end{aligned}$$

$$\begin{aligned} H102 * H230 = & 2^{-1} - 2*A0 + 1*B0 - 1*B1 - 1*C4 + 1*C2 - 1*C3 - 2*D7 + \\ & 4*D8 + 1*D11 + 1*D12 - 1*D13 + 2*E7 - 3*E8 + 2*E10 - 1*E12 + 1*E13 + \\ & 2*E14 + 1*E15 + 4*E16 - 1*E17 + 1*E18 + 1*E19 + 1*E20 - 1*E21 + 2*F39 - \\ & 1*F40 + 1*F41 - 3*F42 - 2*F43 + 2*F44 - 2*F45 - 2*F46 - 1*F47 - 2*F48 - \\ & 2*F51 - 1*F52 + 1*F53 + 1*F54 - 3*F56 + 1*F57 - 1*F58 - 2*F59 + 1*F61 + \\ & 2*F62 - 1*F63 + 1*F0 - 1*F1 - 1*F2 - 1*F3 + 2*F4 - 1*F5 + 2*G102 - 3*G103 \\ & - 1*G105 + 1*G106 - 1*G108 + 1*G109 + 1*G110 - 2*G111 + 1*G112 - 2*G114 + \\ & 1*G116 - 1*G117 - 1*G120 - 2*G121 + 1*G122 - 2*G125 - 2*G126 + 3*G3 - \\ & 1*G4 - 1*G5 + 1*G8 - 1*G10 - 1*G11 + 2*G12 - 2*G13 - 1*G15 - 2*G16 - \end{aligned}$$

$$2*G18 - 1*G19 - 1*G20 + 1*G22 - 4*G24 - 1*G26 - 2*G27 - 1*G28 - 1*G29 + 1*G30 + 3*G31 + 1*G32 + 1*G33$$

$$\begin{aligned} H103 * H231 = & 2*-1 - 2*A1 + 1*B1 - 1*B2 - 1*C2 + 1*C5 - 1*C0 - 2*D8 + \\ & 4*D9 + 1*D12 + 1*D13 - 1*D14 + 2*E8 - 3*E9 + 2*E11 - 1*E13 + 1*E14 + \\ & 2*E15 + 1*E16 + 4*E17 - 1*E18 + 1*E19 + 1*E20 + 1*E21 - 1*E22 + 2*F40 - \\ & 1*F41 + 1*F42 - 3*F43 - 2*F44 + 2*F45 - 2*F46 - 2*F47 - 1*F48 - 2*F49 - \\ & 2*F52 - 1*F53 + 1*F54 + 1*F55 - 3*F57 + 1*F58 - 1*F59 - 2*F60 + 1*F62 + \\ & 2*F63 - 1*F0 + 1*F1 - 1*F2 - 1*F3 - 1*F4 + 2*F5 - 1*F6 + 2*G103 - 3*G104 \\ & - 1*G106 + 1*G107 - 1*G109 + 1*G110 + 1*G111 - 2*G112 + 1*G113 - 2*G115 + \\ & 1*G117 - 1*G118 - 1*G121 - 2*G122 + 1*G123 - 2*G126 - 2*G127 + 3*G4 - \\ & 1*G5 - 1*G6 + 1*G9 - 1*G11 - 1*G12 + 2*G13 - 2*G14 - 1*G16 - 2*G17 - \\ & 2*G19 - 1*G20 - 1*G21 + 1*G23 - 4*G25 - 1*G27 - 2*G28 - 1*G29 - 1*G30 + \\ & 1*G31 + 3*G32 + 1*G33 + 1*G34 \end{aligned}$$

$$\begin{aligned} H104 * H232 = & 2*-1 - 2*A0 + 1*B2 - 1*B3 - 1*C5 + 1*C3 - 1*C6 - 2*D9 + \\ & 4*D10 + 1*D13 + 1*D14 - 1*D15 + 2*E9 - 3*E10 + 2*E12 - 1*E14 + 1*E15 + \\ & 2*E16 + 1*E17 + 4*E18 - 1*E19 + 1*E20 + 1*E21 + 1*E22 - 1*E23 + 2*F41 - \\ & 1*F42 + 1*F43 - 3*F44 - 2*F45 + 2*F46 - 2*F47 - 2*F48 - 1*F49 - 2*F50 - \\ & 2*F53 - 1*F54 + 1*F55 + 1*F56 - 3*F58 + 1*F59 - 1*F60 - 2*F61 + 1*F63 + \\ & 2*F0 - 1*F1 + 1*F2 - 1*F3 - 1*F4 - 1*F5 + 2*F6 - 1*F7 + 2*G104 - 3*G105 - \\ & 1*G107 + 1*G108 - 1*G110 + 1*G111 + 1*G112 - 2*G113 + 1*G114 - 2*G116 + \\ & 1*G118 - 1*G119 - 1*G122 - 2*G123 + 1*G124 - 2*G127 - 2*G0 + 3*G5 - 1*G6 \\ & - 1*G7 + 1*G10 - 1*G12 - 1*G13 + 2*G14 - 2*G15 - 1*G17 - 2*G18 - 2*G20 - \\ & 1*G21 - 1*G22 + 1*G24 - 4*G26 - 1*G28 - 2*G29 - 1*G30 - 1*G31 + 1*G32 + \\ & 3*G33 + 1*G34 + 1*G35 \end{aligned}$$

$$\begin{aligned} H105 * H233 = & 2*-1 - 2*A1 + 1*B3 - 1*B0 - 1*C3 + 1*C0 - 1*C1 - 2*D10 + \\ & 4*D11 + 1*D14 + 1*D15 - 1*D0 + 2*E10 - 3*E11 + 2*E13 - 1*E15 + 1*E16 + \\ & 2*E17 + 1*E18 + 4*E19 - 1*E20 + 1*E21 + 1*E22 + 1*E23 - 1*E24 + 2*F42 - \\ & 1*F43 + 1*F44 - 3*F45 - 2*F46 + 2*F47 - 2*F48 - 2*F49 - 1*F50 - 2*F51 - \\ & 2*F54 - 1*F55 + 1*F56 + 1*F57 - 3*F59 + 1*F60 - 1*F61 - 2*F62 + 1*F0 + \\ & 2*F1 - 1*F2 + 1*F3 - 1*F4 - 1*F5 - 1*F6 + 2*F7 - 1*F8 + 2*G105 - 3*G106 - \\ & 1*G108 + 1*G109 - 1*G111 + 1*G112 + 1*G113 - 2*G114 + 1*G115 - 2*G117 + \\ & 1*G119 - 1*G120 - 1*G123 - 2*G124 + 1*G125 - 2*G0 - 2*G1 + 3*G6 - 1*G7 - \\ & 1*G8 + 1*G11 - 1*G13 - 1*G14 + 2*G15 - 2*G16 - 1*G18 - 2*G19 - 2*G21 - \\ & 1*G22 - 1*G23 + 1*G25 - 4*G27 - 1*G29 - 2*G30 - 1*G31 - 1*G32 + 1*G33 + \\ & 3*G34 + 1*G35 + 1*G36 \end{aligned}$$

$$\begin{aligned} H106 * H234 = & 2*-1 - 2*A0 + 1*B0 - 1*B1 - 1*C0 + 1*C6 - 1*C7 - 2*D11 + \\ & 4*D12 + 1*D15 + 1*D0 - 1*D1 + 2*E11 - 3*E12 + 2*E14 - 1*E16 + 1*E17 + \\ & 2*E18 + 1*E19 + 4*E20 - 1*E21 + 1*E22 + 1*E23 + 1*E24 - 1*E25 + 2*F43 - \\ & 1*F44 + 1*F45 - 3*F46 - 2*F47 + 2*F48 - 2*F49 - 2*F50 - 1*F51 - 2*F52 - \\ & 2*F55 - 1*F56 + 1*F57 + 1*F58 - 3*F60 + 1*F61 - 1*F62 - 2*F63 + 1*F1 + \\ & 2*F2 - 1*F3 + 1*F4 - 1*F5 - 1*F6 - 1*F7 + 2*F8 - 1*F9 + 2*G106 - 3*G107 - \\ & 1*G109 + 1*G110 - 1*G112 + 1*G113 + 1*G114 - 2*G115 + 1*G116 - 2*G118 + \\ & 1*G120 - 1*G121 - 1*G124 - 2*G125 + 1*G126 - 2*G1 - 2*G2 + 3*G7 - 1*G8 - \\ & 1*G9 + 1*G12 - 1*G14 - 1*G15 + 2*G16 - 2*G17 - 1*G19 - 2*G20 - 2*G22 - \\ & 1*G23 - 1*G24 + 1*G26 - 4*G28 - 1*G30 - 2*G31 - 1*G32 - 1*G33 + 1*G34 + \\ & 3*G35 + 1*G36 + 1*G37 \end{aligned}$$

$$\begin{aligned} H107 * H235 = & 2*-1 - 2*A1 + 1*B1 - 1*B2 - 1*C6 + 1*C1 - 1*C4 - 2*D12 + \\ & 4*D13 + 1*D0 + 1*D1 - 1*D2 + 2*E12 - 3*E13 + 2*E15 - 1*E17 + 1*E18 + \\ & 2*E19 + 1*E20 + 4*E21 - 1*E22 + 1*E23 + 1*E24 + 1*E25 - 1*E26 + 2*F44 - \\ & 1*F45 + 1*F46 - 3*F47 - 2*F48 + 2*F49 - 2*F50 - 2*F51 - 1*F52 - 2*F53 - \\ & 2*F56 - 1*F57 + 1*F58 + 1*F59 - 3*F61 + 1*F62 - 1*F63 - 2*F0 + 1*F2 + \\ & 2*F3 - 1*F4 + 1*F5 - 1*F6 - 1*F7 - 1*F8 + 2*F9 - 1*F10 + 2*G107 - 3*G108 \\ & - 1*G110 + 1*G111 - 1*G113 + 1*G114 + 1*G115 - 2*G116 + 1*G117 - 2*G119 + \\ & 1*G121 - 1*G122 - 1*G125 - 2*G126 + 1*G127 - 2*G2 - 2*G3 + 3*G8 - 1*G9 - \\ & 1*G10 + 1*G13 - 1*G15 - 1*G16 + 2*G17 - 2*G18 - 1*G20 - 2*G21 - 2*G23 - \end{aligned}$$

$$1*G24 - 1*G25 + 1*G27 - 4*G29 - 1*G31 - 2*G32 - 1*G33 - 1*G34 + 1*G35 + 3*G36 + 1*G37 + 1*G38$$

$$\begin{aligned} H108 * H236 = & 2*-1 - 2*A0 + 1*B2 - 1*B3 - 1*C1 + 1*C7 - 1*C2 - 2*D13 + \\ & 4*D14 + 1*D1 + 1*D2 - 1*D3 + 2*E13 - 3*E14 + 2*E16 - 1*E18 + 1*E19 + \\ & 2*E20 + 1*E21 + 4*E22 - 1*E23 + 1*E24 + 1*E25 + 1*E26 - 1*E27 + 2*F45 - \\ & 1*F46 + 1*F47 - 3*F48 - 2*F49 + 2*F50 - 2*F51 - 2*F52 - 1*F53 - 2*F54 - \\ & 2*F57 - 1*F58 + 1*F59 + 1*F60 - 3*F62 + 1*F63 - 1*F0 - 2*F1 + 1*F3 + 2*F4 \\ & - 1*F5 + 1*F6 - 1*F7 - 1*F8 - 1*F9 + 2*F10 - 1*F11 + 2*G108 - 3*G109 - \\ & 1*G111 + 1*G112 - 1*G114 + 1*G115 + 1*G116 - 2*G117 + 1*G118 - 2*G120 + \\ & 1*G122 - 1*G123 - 1*G126 - 2*G127 + 1*G0 - 2*G3 - 2*G4 + 3*G9 - 1*G10 - \\ & 1*G11 + 1*G14 - 1*G16 - 1*G17 + 2*G18 - 2*G19 - 1*G21 - 2*G22 - 2*G24 - \\ & 1*G25 - 1*G26 + 1*G28 - 4*G30 - 1*G32 - 2*G33 - 1*G34 - 1*G35 + 1*G36 + \\ & 3*G37 + 1*G38 + 1*G39 \end{aligned}$$

$$\begin{aligned} H109 * H237 = & 2*-1 - 2*A1 + 1*B3 - 1*B0 - 1*C7 + 1*C4 - 1*C5 - 2*D14 + \\ & 4*D15 + 1*D2 + 1*D3 - 1*D4 + 2*E14 - 3*E15 + 2*E17 - 1*E19 + 1*E20 + \\ & 2*E21 + 1*E22 + 4*E23 - 1*E24 + 1*E25 + 1*E26 + 1*E27 - 1*E28 + 2*F46 - \\ & 1*F47 + 1*F48 - 3*F49 - 2*F50 + 2*F51 - 2*F52 - 2*F53 - 1*F54 - 2*F55 - \\ & 2*F58 - 1*F59 + 1*F60 + 1*F61 - 3*F63 + 1*F0 - 1*F1 - 2*F2 + 1*F4 + 2*F5 \\ & - 1*F6 + 1*F7 - 1*F8 - 1*F9 - 1*F10 + 2*F11 - 1*F12 + 2*G109 - 3*G110 - \\ & 1*G112 + 1*G113 - 1*G115 + 1*G116 + 1*G117 - 2*G118 + 1*G119 - 2*G121 + \\ & 1*G123 - 1*G124 - 1*G127 - 2*G0 + 1*G1 - 2*G4 - 2*G5 + 3*G10 - 1*G11 - \\ & 1*G12 + 1*G15 - 1*G17 - 1*G18 + 2*G19 - 2*G20 - 1*G22 - 2*G23 - 2*G25 - \\ & 1*G26 - 1*G27 + 1*G29 - 4*G31 - 1*G33 - 2*G34 - 1*G35 - 1*G36 + 1*G37 + \\ & 3*G38 + 1*G39 + 1*G40 \end{aligned}$$

$$\begin{aligned} H110 * H238 = & 2*-1 - 2*A0 + 1*B0 - 1*B1 - 1*C4 + 1*C2 - 1*C3 - 2*D15 + \\ & 4*D0 + 1*D3 + 1*D4 - 1*D5 + 2*E15 - 3*E16 + 2*E18 - 1*E20 + 1*E21 + 2*E22 \\ & + 1*E23 + 4*E24 - 1*E25 + 1*E26 + 1*E27 + 1*E28 - 1*E29 + 2*F47 - 1*F48 + \\ & 1*F49 - 3*F50 - 2*F51 + 2*F52 - 2*F53 - 2*F54 - 1*F55 - 2*F56 - 2*F59 - \\ & 1*F60 + 1*F61 + 1*F62 - 3*F0 + 1*F1 - 1*F2 - 2*F3 + 1*F5 + 2*F6 - 1*F7 + \\ & 1*F8 - 1*F9 - 1*F10 - 1*F11 + 2*F12 - 1*F13 + 2*G110 - 3*G111 - 1*G113 + \\ & 1*G114 - 1*G116 + 1*G117 + 1*G118 - 2*G119 + 1*G120 - 2*G122 + 1*G124 - \\ & 1*G125 - 1*G0 - 2*G1 + 1*G2 - 2*G5 - 2*G6 + 3*G11 - 1*G12 - 1*G13 + 1*G16 \\ & - 1*G18 - 1*G19 + 2*G20 - 2*G21 - 1*G23 - 2*G24 - 2*G26 - 1*G27 - 1*G28 + \\ & 1*G30 - 4*G32 - 1*G34 - 2*G35 - 1*G36 - 1*G37 + 1*G38 + 3*G39 + 1*G40 + \\ & 1*G41 \end{aligned}$$

$$\begin{aligned} H111 * H239 = & 2*-1 - 2*A1 + 1*B1 - 1*B2 - 1*C2 + 1*C5 - 1*C0 - 2*D0 + \\ & 4*D1 + 1*D4 + 1*D5 - 1*D6 + 2*E16 - 3*E17 + 2*E19 - 1*E21 + 1*E22 + 2*E23 \\ & + 1*E24 + 4*E25 - 1*E26 + 1*E27 + 1*E28 + 1*E29 - 1*E30 + 2*F48 - 1*F49 + \\ & 1*F50 - 3*F51 - 2*F52 + 2*F53 - 2*F54 - 2*F55 - 1*F56 - 2*F57 - 2*F60 - \\ & 1*F61 + 1*F62 + 1*F63 - 3*F1 + 1*F2 - 1*F3 - 2*F4 + 1*F6 + 2*F7 - 1*F8 + \\ & 1*F9 - 1*F10 - 1*F11 - 1*F12 + 2*F13 - 1*F14 + 2*G111 - 3*G112 - 1*G114 + \\ & 1*G115 - 1*G117 + 1*G118 + 1*G119 - 2*G120 + 1*G121 - 2*G123 + 1*G125 - \\ & 1*G126 - 1*G1 - 2*G2 + 1*G3 - 2*G6 - 2*G7 + 3*G12 - 1*G13 - 1*G14 + 1*G17 \\ & - 1*G19 - 1*G20 + 2*G21 - 2*G22 - 1*G24 - 2*G25 - 2*G27 - 1*G28 - 1*G29 + \\ & 1*G31 - 4*G33 - 1*G35 - 2*G36 - 1*G37 - 1*G38 + 1*G39 + 3*G40 + 1*G41 + \\ & 1*G42 \end{aligned}$$

$$\begin{aligned} H112 * H240 = & 2*-1 - 2*A0 + 1*B2 - 1*B3 - 1*C5 + 1*C3 - 1*C6 - 2*D1 + \\ & 4*D2 + 1*D5 + 1*D6 - 1*D7 + 2*E17 - 3*E18 + 2*E20 - 1*E22 + 1*E23 + 2*E24 \\ & + 1*E25 + 4*E26 - 1*E27 + 1*E28 + 1*E29 + 1*E30 - 1*E31 + 2*F49 - 1*F50 + \\ & 1*F51 - 3*F52 - 2*F53 + 2*F54 - 2*F55 - 2*F56 - 1*F57 - 2*F58 - 2*F61 - \\ & 1*F62 + 1*F63 + 1*F0 - 3*F2 + 1*F3 - 1*F4 - 2*F5 + 1*F7 + 2*F8 - 1*F9 + \\ & 1*F10 - 1*F11 - 1*F12 - 1*F13 + 2*F14 - 1*F15 + 2*G112 - 3*G113 - 1*G115 \\ & + 1*G116 - 1*G118 + 1*G119 + 1*G120 - 2*G121 + 1*G122 - 2*G124 + 1*G126 - \\ & 1*G127 - 1*G2 - 2*G3 + 1*G4 - 2*G7 - 2*G8 + 3*G13 - 1*G14 - 1*G15 + 1*G18 \\ & - 1*G20 - 1*G21 + 2*G22 - 2*G23 - 1*G25 - 2*G26 - 2*G28 - 1*G29 - 1*G30 + \end{aligned}$$

$$1*G32 - 4*G34 - 1*G36 - 2*G37 - 1*G38 - 1*G39 + 1*G40 + 3*G41 + 1*G42 + 1*G43$$

$$\begin{aligned} H113 * H241 = & 2*-1 - 2*A1 + 1*B3 - 1*B0 - 1*C3 + 1*C0 - 1*C1 - 2*D2 + \\ & 4*D3 + 1*D6 + 1*D7 - 1*D8 + 2*E18 - 3*E19 + 2*E21 - 1*E23 + 1*E24 + 2*E25 \\ & + 1*E26 + 4*E27 - 1*E28 + 1*E29 + 1*E30 + 1*E31 - 1*E0 + 2*F50 - 1*F51 + \\ & 1*F52 - 3*F53 - 2*F54 + 2*F55 - 2*F56 - 2*F57 - 1*F58 - 2*F59 - 2*F62 - \\ & 1*F63 + 1*F0 + 1*F1 - 3*F3 + 1*F4 - 1*F5 - 2*F6 + 1*F8 + 2*F9 - 1*F10 + \\ & 1*F11 - 1*F12 - 1*F13 - 1*F14 + 2*F15 - 1*F16 + 2*G113 - 3*G114 - 1*G116 \\ & + 1*G117 - 1*G119 + 1*G120 + 1*G121 - 2*G122 + 1*G123 - 2*G125 + 1*G127 - \\ & 1*G0 - 1*G3 - 2*G4 + 1*G5 - 2*G8 - 2*G9 + 3*G14 - 1*G15 - 1*G16 + 1*G19 - \\ & 1*G21 - 1*G22 + 2*G23 - 2*G24 - 1*G26 - 2*G27 - 2*G29 - 1*G30 - 1*G31 + \\ & 1*G33 - 4*G35 - 1*G37 - 2*G38 - 1*G39 - 1*G40 + 1*G41 + 3*G42 + 1*G43 + \\ & 1*G44 \end{aligned}$$

$$\begin{aligned} H114 * H242 = & 2*-1 - 2*A0 + 1*B0 - 1*B1 - 1*C0 + 1*C6 - 1*C7 - 2*D3 + \\ & 4*D4 + 1*D7 + 1*D8 - 1*D9 + 2*E19 - 3*E20 + 2*E22 - 1*E24 + 1*E25 + 2*E26 \\ & + 1*E27 + 4*E28 - 1*E29 + 1*E30 + 1*E31 + 1*E0 - 1*E1 + 2*F51 - 1*F52 + \\ & 1*F53 - 3*F54 - 2*F55 + 2*F56 - 2*F57 - 2*F58 - 1*F59 - 2*F60 - 2*F63 - \\ & 1*F0 + 1*F1 + 1*F2 - 3*F4 + 1*F5 - 1*F6 - 2*F7 + 1*F9 + 2*F10 - 1*F11 + \\ & 1*F12 - 1*F13 - 1*F14 - 1*F15 + 2*F16 - 1*F17 + 2*G114 - 3*G115 - 1*G117 \\ & + 1*G118 - 1*G120 + 1*G121 + 1*G122 - 2*G123 + 1*G124 - 2*G126 + 1*G0 - \\ & 1*G1 - 1*G4 - 2*G5 + 1*G6 - 2*G9 - 2*G10 + 3*G15 - 1*G16 - 1*G17 + 1*G20 \\ & - 1*G22 - 1*G23 + 2*G24 - 2*G25 - 1*G27 - 2*G28 - 2*G30 - 1*G31 - 1*G32 + \\ & 1*G34 - 4*G36 - 1*G38 - 2*G39 - 1*G40 - 1*G41 + 1*G42 + 3*G43 + 1*G44 + \\ & 1*G45 \end{aligned}$$

$$\begin{aligned} H115 * H243 = & 2*-1 - 2*A1 + 1*B1 - 1*B2 - 1*C6 + 1*C1 - 1*C4 - 2*D4 + \\ & 4*D5 + 1*D8 + 1*D9 - 1*D10 + 2*E20 - 3*E21 + 2*E23 - 1*E25 + 1*E26 + \\ & 2*E27 + 1*E28 + 4*E29 - 1*E30 + 1*E31 + 1*E0 + 1*E1 - 1*E2 + 2*F52 - \\ & 1*F53 + 1*F54 - 3*F55 - 2*F56 + 2*F57 - 2*F58 - 2*F59 - 1*F60 - 2*F61 - \\ & 2*F0 - 1*F1 + 1*F2 + 1*F3 - 3*F5 + 1*F6 - 1*F7 - 2*F8 + 1*F10 + 2*F11 - \\ & 1*F12 + 1*F13 - 1*F14 - 1*F15 - 1*F16 + 2*F17 - 1*F18 + 2*G115 - 3*G116 - \\ & 1*G118 + 1*G119 - 1*G121 + 1*G122 + 1*G123 - 2*G124 + 1*G125 - 2*G127 + \\ & 1*G1 - 1*G2 - 1*G5 - 2*G6 + 1*G7 - 2*G10 - 2*G11 + 3*G16 - 1*G17 - 1*G18 \\ & + 1*G21 - 1*G23 - 1*G24 + 2*G25 - 2*G26 - 1*G28 - 2*G29 - 2*G31 - 1*G32 - \\ & 1*G33 + 1*G35 - 4*G37 - 1*G39 - 2*G40 - 1*G41 - 1*G42 + 1*G43 + 3*G44 + \\ & 1*G45 + 1*G46 \end{aligned}$$

$$\begin{aligned} H116 * H244 = & 2*-1 - 2*A0 + 1*B2 - 1*B3 - 1*C1 + 1*C7 - 1*C2 - 2*D5 + \\ & 4*D6 + 1*D9 + 1*D10 - 1*D11 + 2*E21 - 3*E22 + 2*E24 - 1*E26 + 1*E27 + \\ & 2*E28 + 1*E29 + 4*E30 - 1*E31 + 1*E0 + 1*E1 + 1*E2 - 1*E3 + 2*F53 - 1*F54 \\ & + 1*F55 - 3*F56 - 2*F57 + 2*F58 - 2*F59 - 2*F60 - 1*F61 - 2*F62 - 2*F1 - \\ & 1*F2 + 1*F3 + 1*F4 - 3*F6 + 1*F7 - 1*F8 - 2*F9 + 1*F11 + 2*F12 - 1*F13 + \\ & 1*F14 - 1*F15 - 1*F16 - 1*F17 + 2*F18 - 1*F19 + 2*G116 - 3*G117 - 1*G119 \\ & + 1*G120 - 1*G122 + 1*G123 + 1*G124 - 2*G125 + 1*G126 - 2*G0 + 1*G2 - \\ & 1*G3 - 1*G6 - 2*G7 + 1*G8 - 2*G11 - 2*G12 + 3*G17 - 1*G18 - 1*G19 + 1*G22 \\ & - 1*G24 - 1*G25 + 2*G26 - 2*G27 - 1*G29 - 2*G30 - 2*G32 - 1*G33 - 1*G34 + \\ & 1*G36 - 4*G38 - 1*G40 - 2*G41 - 1*G42 - 1*G43 + 1*G44 + 3*G45 + 1*G46 + \\ & 1*G47 \end{aligned}$$

$$\begin{aligned} H117 * H245 = & 2*-1 - 2*A1 + 1*B3 - 1*B0 - 1*C7 + 1*C4 - 1*C5 - 2*D6 + \\ & 4*D7 + 1*D10 + 1*D11 - 1*D12 + 2*E22 - 3*E23 + 2*E25 - 1*E27 + 1*E28 + \\ & 2*E29 + 1*E30 + 4*E31 - 1*E0 + 1*E1 + 1*E2 + 1*E3 - 1*E4 + 2*F54 - 1*F55 \\ & + 1*F56 - 3*F57 - 2*F58 + 2*F59 - 2*F60 - 2*F61 - 1*F62 - 2*F63 - 2*F2 - \\ & 1*F3 + 1*F4 + 1*F5 - 3*F7 + 1*F8 - 1*F9 - 2*F10 + 1*F12 + 2*F13 - 1*F14 + \\ & 1*F15 - 1*F16 - 1*F17 - 1*F18 + 2*F19 - 1*F20 + 2*G117 - 3*G118 - 1*G120 \\ & + 1*G121 - 1*G123 + 1*G124 + 1*G125 - 2*G126 + 1*G127 - 2*G1 + 1*G3 - \\ & 1*G4 - 1*G7 - 2*G8 + 1*G9 - 2*G12 - 2*G13 + 3*G18 - 1*G19 - 1*G20 + 1*G23 \\ & - 1*G25 - 1*G26 + 2*G27 - 2*G28 - 1*G30 - 2*G31 - 2*G33 - 1*G34 - 1*G35 + \end{aligned}$$

$$1*G37 - 4*G39 - 1*G41 - 2*G42 - 1*G43 - 1*G44 + 1*G45 + 3*G46 + 1*G47 + 1*G48$$

$$\begin{aligned} H118 * H246 = & 2*-1 - 2*A0 + 1*B0 - 1*B1 - 1*C4 + 1*C2 - 1*C3 - 2*D7 + \\ & 4*D8 + 1*D11 + 1*D12 - 1*D13 + 2*E23 - 3*E24 + 2*E26 - 1*E28 + 1*E29 + \\ & 2*E30 + 1*E31 + 4*E0 - 1*E1 + 1*E2 + 1*E3 + 1*E4 - 1*E5 + 2*F55 - 1*F56 + \\ & 1*F57 - 3*F58 - 2*F59 + 2*F60 - 2*F61 - 2*F62 - 1*F63 - 2*F0 - 2*F3 - \\ & 1*F4 + 1*F5 + 1*F6 - 3*F8 + 1*F9 - 1*F10 - 2*F11 + 1*F13 + 2*F14 - 1*F15 \\ & + 1*F16 - 1*F17 - 1*F18 - 1*F19 + 2*F20 - 1*F21 + 2*G118 - 3*G119 - \\ & 1*G121 + 1*G122 - 1*G124 + 1*G125 + 1*G126 - 2*G127 + 1*G0 - 2*G2 + 1*G4 \\ & - 1*G5 - 1*G8 - 2*G9 + 1*G10 - 2*G13 - 2*G14 + 3*G19 - 1*G20 - 1*G21 + \\ & 1*G24 - 1*G26 - 1*G27 + 2*G28 - 2*G29 - 1*G31 - 2*G32 - 2*G34 - 1*G35 - \\ & 1*G36 + 1*G38 - 4*G40 - 1*G42 - 2*G43 - 1*G44 - 1*G45 + 1*G46 + 3*G47 + \\ & 1*G48 + 1*G49 \end{aligned}$$

$$\begin{aligned} H119 * H247 = & 2*-1 - 2*A1 + 1*B1 - 1*B2 - 1*C2 + 1*C5 - 1*C0 - 2*D8 + \\ & 4*D9 + 1*D12 + 1*D13 - 1*D14 + 2*E24 - 3*E25 + 2*E27 - 1*E29 + 1*E30 + \\ & 2*E31 + 1*E0 + 4*E1 - 1*E2 + 1*E3 + 1*E4 + 1*E5 - 1*E6 + 2*F56 - 1*F57 + \\ & 1*F58 - 3*F59 - 2*F60 + 2*F61 - 2*F62 - 2*F63 - 1*F0 - 2*F1 - 2*F4 - 1*F5 \\ & + 1*F6 + 1*F7 - 3*F9 + 1*F10 - 1*F11 - 2*F12 + 1*F14 + 2*F15 - 1*F16 + \\ & 1*F17 - 1*F18 - 1*F19 - 1*F20 + 2*F21 - 1*F22 + 2*G119 - 3*G120 - 1*G122 \\ & + 1*G123 - 1*G125 + 1*G126 + 1*G127 - 2*G0 + 1*G1 - 2*G3 + 1*G5 - 1*G6 - \\ & 1*G9 - 2*G10 + 1*G11 - 2*G14 - 2*G15 + 3*G20 - 1*G21 - 1*G22 + 1*G25 - \\ & 1*G27 - 1*G28 + 2*G29 - 2*G30 - 1*G32 - 2*G33 - 2*G35 - 1*G36 - 1*G37 + \\ & 1*G39 - 4*G41 - 1*G43 - 2*G44 - 1*G45 - 1*G46 + 1*G47 + 3*G48 + 1*G49 + \\ & 1*G50 \end{aligned}$$

$$\begin{aligned} H120 * H248 = & 2*-1 - 2*A0 + 1*B2 - 1*B3 - 1*C5 + 1*C3 - 1*C6 - 2*D9 + \\ & 4*D10 + 1*D13 + 1*D14 - 1*D15 + 2*E25 - 3*E26 + 2*E28 - 1*E30 + 1*E31 + \\ & 2*E0 + 1*E1 + 4*E2 - 1*E3 + 1*E4 + 1*E5 + 1*E6 - 1*E7 + 2*F57 - 1*F58 + \\ & 1*F59 - 3*F60 - 2*F61 + 2*F62 - 2*F63 - 2*F0 - 1*F1 - 2*F2 - 2*F5 - 1*F6 \\ & + 1*F7 + 1*F8 - 3*F10 + 1*F11 - 1*F12 - 2*F13 + 1*F15 + 2*F16 - 1*F17 + \\ & 1*F18 - 1*F19 - 1*F20 - 1*F21 + 2*F22 - 1*F23 + 2*G120 - 3*G121 - 1*G123 \\ & + 1*G124 - 1*G126 + 1*G127 + 1*G0 - 2*G1 + 1*G2 - 2*G4 + 1*G6 - 1*G7 - \\ & 1*G10 - 2*G11 + 1*G12 - 2*G15 - 2*G16 + 3*G21 - 1*G22 - 1*G23 + 1*G26 - \\ & 1*G28 - 1*G29 + 2*G30 - 2*G31 - 1*G33 - 2*G34 - 2*G36 - 1*G37 - 1*G38 + \\ & 1*G40 - 4*G42 - 1*G44 - 2*G45 - 1*G46 - 1*G47 + 1*G48 + 3*G49 + 1*G50 + \\ & 1*G51 \end{aligned}$$

$$\begin{aligned} H121 * H249 = & 2*-1 - 2*A1 + 1*B3 - 1*B0 - 1*C3 + 1*C0 - 1*C1 - 2*D10 + \\ & 4*D11 + 1*D14 + 1*D15 - 1*D0 + 2*E26 - 3*E27 + 2*E29 - 1*E31 + 1*E0 + \\ & 2*E1 + 1*E2 + 4*E3 - 1*E4 + 1*E5 + 1*E6 + 1*E7 - 1*E8 + 2*F58 - 1*F59 + \\ & 1*F60 - 3*F61 - 2*F62 + 2*F63 - 2*F0 - 2*F1 - 1*F2 - 2*F3 - 2*F6 - 1*F7 + \\ & 1*F8 + 1*F9 - 3*F11 + 1*F12 - 1*F13 - 2*F14 + 1*F16 + 2*F17 - 1*F18 + \\ & 1*F19 - 1*F20 - 1*F21 - 1*F22 + 2*F23 - 1*F24 + 2*G121 - 3*G122 - 1*G124 \\ & + 1*G125 - 1*G127 + 1*G0 + 1*G1 - 2*G2 + 1*G3 - 2*G5 + 1*G7 - 1*G8 - \\ & 1*G11 - 2*G12 + 1*G13 - 2*G16 - 2*G17 + 3*G22 - 1*G23 - 1*G24 + 1*G27 - \\ & 1*G29 - 1*G30 + 2*G31 - 2*G32 - 1*G34 - 2*G35 - 2*G37 - 1*G38 - 1*G39 + \\ & 1*G41 - 4*G43 - 1*G45 - 2*G46 - 1*G47 - 1*G48 + 1*G49 + 3*G50 + 1*G51 + \\ & 1*G52 \end{aligned}$$

$$\begin{aligned} H122 * H250 = & 2*-1 - 2*A0 + 1*B0 - 1*B1 - 1*C0 + 1*C6 - 1*C7 - 2*D11 + \\ & 4*D12 + 1*D15 + 1*D0 - 1*D1 + 2*E27 - 3*E28 + 2*E30 - 1*E0 + 1*E1 + 2*E2 \\ & + 1*E3 + 4*E4 - 1*E5 + 1*E6 + 1*E7 + 1*E8 - 1*E9 + 2*F59 - 1*F60 + 1*F61 \\ & - 3*F62 - 2*F63 + 2*F0 - 2*F1 - 2*F2 - 1*F3 - 2*F4 - 2*F7 - 1*F8 + 1*F9 + \\ & 1*F10 - 3*F12 + 1*F13 - 1*F14 - 2*F15 + 1*F17 + 2*F18 - 1*F19 + 1*F20 - \\ & 1*F21 - 1*F22 - 1*F23 + 2*F24 - 1*F25 + 2*G122 - 3*G123 - 1*G125 + 1*G126 \\ & - 1*G0 + 1*G1 + 1*G2 - 2*G3 + 1*G4 - 2*G6 + 1*G8 - 1*G9 - 1*G12 - 2*G13 + \\ & 1*G14 - 2*G17 - 2*G18 + 3*G23 - 1*G24 - 1*G25 + 1*G28 - 1*G30 - 1*G31 + \end{aligned}$$

$$2*G32 - 2*G33 - 1*G35 - 2*G36 - 2*G38 - 1*G39 - 1*G40 + 1*G42 - 4*G44 - 1*G46 - 2*G47 - 1*G48 - 1*G49 + 1*G50 + 3*G51 + 1*G52 + 1*G53$$

$$H123 * H251 = 2*-1 - 2*A1 + 1*B1 - 1*B2 - 1*C6 + 1*C1 - 1*C4 - 2*D12 + 4*D13 + 1*D0 + 1*D1 - 1*D2 + 2*E28 - 3*E29 + 2*E31 - 1*E1 + 1*E2 + 2*E3 + 1*E4 + 4*E5 - 1*E6 + 1*E7 + 1*E8 + 1*E9 - 1*E10 + 2*F60 - 1*F61 + 1*F62 - 3*F63 - 2*F0 + 2*F1 - 2*F2 - 2*F3 - 1*F4 - 2*F5 - 2*F8 - 1*F9 + 1*F10 + 1*F11 - 3*F13 + 1*F14 - 1*F15 - 2*F16 + 1*F18 + 2*F19 - 1*F20 + 1*F21 - 1*F22 - 1*F23 - 1*F24 + 2*F25 - 1*F26 + 2*G123 - 3*G124 - 1*G126 + 1*G127 - 1*G1 + 1*G2 + 1*G3 - 2*G4 + 1*G5 - 2*G7 + 1*G9 - 1*G10 - 1*G13 - 2*G14 + 1*G15 - 2*G18 - 2*G19 + 3*G24 - 1*G25 - 1*G26 + 1*G29 - 1*G31 - 1*G32 + 2*G33 - 2*G34 - 1*G36 - 2*G37 - 2*G39 - 1*G40 - 1*G41 + 1*G43 - 4*G45 - 1*G47 - 2*G48 - 1*G49 - 1*G50 + 1*G51 + 3*G52 + 1*G53 + 1*G54$$

$$H124 * H252 = 2*-1 - 2*A0 + 1*B2 - 1*B3 - 1*C1 + 1*C7 - 1*C2 - 2*D13 + 4*D14 + 1*D1 + 1*D2 - 1*D3 + 2*E29 - 3*E30 + 2*E0 - 1*E2 + 1*E3 + 2*E4 + 1*E5 + 4*E6 - 1*E7 + 1*E8 + 1*E9 + 1*E10 - 1*E11 + 2*F61 - 1*F62 + 1*F63 - 3*F0 - 2*F1 + 2*F2 - 2*F3 - 2*F4 - 1*F5 - 2*F6 - 2*F9 - 1*F10 + 1*F11 + 1*F12 - 3*F14 + 1*F15 - 1*F16 - 2*F17 + 1*F19 + 2*F20 - 1*F21 + 1*F22 - 1*F23 - 1*F24 - 1*F25 + 2*F26 - 1*F27 + 2*G124 - 3*G125 - 1*G127 + 1*G0 - 1*G2 + 1*G3 + 1*G4 - 2*G5 + 1*G6 - 2*G8 + 1*G10 - 1*G11 - 1*G14 - 2*G15 + 1*G16 - 2*G19 - 2*G20 + 3*G25 - 1*G26 - 1*G27 + 1*G30 - 1*G32 - 1*G33 + 2*G34 - 2*G35 - 1*G37 - 2*G38 - 2*G40 - 1*G41 - 1*G42 + 1*G44 - 4*G46 - 1*G48 - 2*G49 - 1*G50 - 1*G51 + 1*G52 + 3*G53 + 1*G54 + 1*G55$$

$$H125 * H253 = 2*-1 - 2*A1 + 1*B3 - 1*B0 - 1*C7 + 1*C4 - 1*C5 - 2*D14 + 4*D15 + 1*D2 + 1*D3 - 1*D4 + 2*E30 - 3*E31 + 2*E1 - 1*E3 + 1*E4 + 2*E5 + 1*E6 + 4*E7 - 1*E8 + 1*E9 + 1*E10 + 1*E11 - 1*E12 + 2*F62 - 1*F63 + 1*F0 - 3*F1 - 2*F2 + 2*F3 - 2*F4 - 2*F5 - 1*F6 - 2*F7 - 2*F10 - 1*F11 + 1*F12 + 1*F13 - 3*F15 + 1*F16 - 1*F17 - 2*F18 + 1*F20 + 2*F21 - 1*F22 + 1*F23 - 1*F24 - 1*F25 - 1*F26 + 2*F27 - 1*F28 + 2*G125 - 3*G126 - 1*G0 + 1*G1 - 1*G3 + 1*G4 + 1*G5 - 2*G6 + 1*G7 - 2*G9 + 1*G11 - 1*G12 - 1*G15 - 2*G16 + 1*G17 - 2*G20 - 2*G21 + 3*G26 - 1*G27 - 1*G28 + 1*G31 - 1*G33 - 1*G34 + 2*G35 - 2*G36 - 1*G38 - 2*G39 - 2*G41 - 1*G42 - 1*G43 + 1*G45 - 4*G47 - 1*G49 - 2*G50 - 1*G51 - 1*G52 + 1*G53 + 3*G54 + 1*G55 + 1*G56$$

$$H126 * H254 = 2*-1 - 2*A0 + 1*B0 - 1*B1 - 1*C4 + 1*C2 - 1*C3 - 2*D15 + 4*D0 + 1*D3 + 1*D4 - 1*D5 + 2*E31 - 3*E0 + 2*E2 - 1*E4 + 1*E5 + 2*E6 + 1*E7 + 4*E8 - 1*E9 + 1*E10 + 1*E11 + 1*E12 - 1*E13 + 2*F63 - 1*F0 + 1*F1 - 3*F2 - 2*F3 + 2*F4 - 2*F5 - 2*F6 - 1*F7 - 2*F8 - 2*F11 - 1*F12 + 1*F13 + 1*F14 - 3*F16 + 1*F17 - 1*F18 - 2*F19 + 1*F21 + 2*F22 - 1*F23 + 1*F24 - 1*F25 - 1*F26 - 1*F27 + 2*F28 - 1*F29 + 2*G126 - 3*G127 - 1*G1 + 1*G2 - 1*G4 + 1*G5 + 1*G6 - 2*G7 + 1*G8 - 2*G10 + 1*G12 - 1*G13 - 1*G16 - 2*G17 + 1*G18 - 2*G21 - 2*G22 + 3*G27 - 1*G28 - 1*G29 + 1*G32 - 1*G34 - 1*G35 + 2*G36 - 2*G37 - 1*G39 - 2*G40 - 2*G42 - 1*G43 - 1*G44 + 1*G46 - 4*G48 - 1*G50 - 2*G51 - 1*G52 - 1*G53 + 1*G54 + 3*G55 + 1*G56 + 1*G57$$

$$H127 * H255 = 2*-1 - 2*A1 + 1*B1 - 1*B2 - 1*C2 + 1*C5 - 1*C0 - 2*D0 + 4*D1 + 1*D4 + 1*D5 - 1*D6 + 2*E0 - 3*E1 + 2*E3 - 1*E5 + 1*E6 + 2*E7 + 1*E8 + 4*E9 - 1*E10 + 1*E11 + 1*E12 + 1*E13 - 1*E14 + 2*F0 - 1*F1 + 1*F2 - 3*F3 - 2*F4 + 2*F5 - 2*F6 - 2*F7 - 1*F8 - 2*F9 - 2*F12 - 1*F13 + 1*F14 + 1*F15 - 3*F17 + 1*F18 - 1*F19 - 2*F20 + 1*F22 + 2*F23 - 1*F24 + 1*F25 - 1*F26 - 1*F27 - 1*F28 + 2*F29 - 1*F30 + 2*G127 - 3*G0 - 1*G2 + 1*G3 - 1*G5 + 1*G6 + 1*G7 - 2*G8 + 1*G9 - 2*G11 + 1*G13 - 1*G14 - 1*G17 - 2*G18 + 1*G19 - 2*G22 - 2*G23 + 3*G28 - 1*G29 - 1*G30 + 1*G33 - 1*G35 - 1*G36 + 2*G37 - 2*G38 - 1*G40 - 2*G41 - 2*G43 - 1*G44 - 1*G45 + 1*G47 - 4*G49 - 1*G51 - 2*G52 - 1*G53 - 1*G54 + 1*G55 + 3*G56 + 1*G57 + 1*G58$$

$$\begin{aligned}
J0 * J256 = & 1*B2 + 1*B3 - 1*C5 - 1*C3 + 1*C0 - 1*D2 + 1*D3 - 1*D4 + 1*D5 \\
& - 1*E3 - 2*E5 + 1*E7 + 1*E9 - 1*E10 - 1*E12 - 1*E13 + 1*F3 - 1*F7 + 1*F8 \\
& - 1*F9 - 1*F19 + 1*F20 - 2*F21 - 1*F26 + 1*F27 - 1*F28 - 1*F29 + 1*G0 - \\
& 1*G3 + 1*G7 - 1*G8 + 1*G14 + 1*G18 - 1*G20 - 1*G27 + 2*G28 - 1*G39 - \\
& 1*G41 + 1*G45 + 1*G47 - 1*G51 - 2*G53 + 2*G57 + 1*G59 - 1*G61 - 1*H0 + \\
& 2*H3 + 1*H4 - 1*H18 + 1*H19 + 1*H29 + 1*H30 + 1*H33 + 1*H37 + 1*H39 + \\
& 1*H41 + 1*H43 + 1*H44 - 1*H45 - 1*H47 + 1*H50 + 1*H51 + 1*H53 + 1*H56 - \\
& 2*H57 - 1*H58 - 1*H60 + 1*H61 + 1*H65 - 1*H67 + 1*H68 + 1*H70 - 1*H72 + \\
& 1*H78 + 1*H79 + 1*H81 + 3*H82 + 1*H88 + 1*H89 - 1*H91 - 1*H103 - 1*H105 + \\
& 1*H106 + 1*H109 + 1*H112 - 1*H115 - 1*H117 - 1*H122 - 1*H125
\end{aligned}$$

$$\begin{aligned}
J1 * J257 = & 1*B3 + 1*B0 - 1*C3 - 1*C0 + 1*C6 - 1*D3 + 1*D4 - 1*D5 + 1*D6 \\
& - 1*E4 - 2*E6 + 1*E8 + 1*E10 - 1*E11 - 1*E13 - 1*E14 + 1*F4 - 1*F8 + 1*F9 \\
& - 1*F10 - 1*F20 + 1*F21 - 2*F22 - 1*F27 + 1*F28 - 1*F29 - 1*F30 + 1*G1 - \\
& 1*G4 + 1*G8 - 1*G9 + 1*G15 + 1*G19 - 1*G21 - 1*G28 + 2*G29 - 1*G40 - \\
& 1*G42 + 1*G46 + 1*G48 - 1*G52 - 2*G54 + 2*G58 + 1*G60 - 1*G62 - 1*H1 + \\
& 2*H4 + 1*H5 - 1*H19 + 1*H20 + 1*H30 + 1*H31 + 1*H34 + 1*H38 + 1*H40 + \\
& 1*H42 + 1*H44 + 1*H45 - 1*H46 - 1*H48 + 1*H51 + 1*H52 + 1*H54 + 1*H57 - \\
& 2*H58 - 1*H59 - 1*H61 + 1*H62 + 1*H66 - 1*H68 + 1*H69 + 1*H71 - 1*H73 + \\
& 1*H79 + 1*H80 + 1*H82 + 3*H83 + 1*H89 + 1*H90 - 1*H92 - 1*H104 - 1*H106 + \\
& 1*H107 + 1*H110 + 1*H113 - 1*H116 - 1*H118 - 1*H123 - 1*H126
\end{aligned}$$

$$\begin{aligned}
J2 * J258 = & 1*B0 + 1*B1 - 1*C0 - 1*C6 + 1*C1 - 1*D4 + 1*D5 - 1*D6 + 1*D7 \\
& - 1*E5 - 2*E7 + 1*E9 + 1*E11 - 1*E12 - 1*E14 - 1*E15 + 1*F5 - 1*F9 + \\
& 1*F10 - 1*F11 - 1*F21 + 1*F22 - 2*F23 - 1*F28 + 1*F29 - 1*F30 - 1*F31 + \\
& 1*G2 - 1*G5 + 1*G9 - 1*G10 + 1*G16 + 1*G20 - 1*G22 - 1*G29 + 2*G30 - \\
& 1*G41 - 1*G43 + 1*G47 + 1*G49 - 1*G53 - 2*G55 + 2*G59 + 1*G61 - 1*G63 - \\
& 1*H2 + 2*H5 + 1*H6 - 1*H20 + 1*H21 + 1*H31 + 1*H32 + 1*H35 + 1*H39 + \\
& 1*H41 + 1*H43 + 1*H45 + 1*H46 - 1*H47 - 1*H49 + 1*H52 + 1*H53 + 1*H55 + \\
& 1*H58 - 2*H59 - 1*H60 - 1*H62 + 1*H63 + 1*H67 - 1*H69 + 1*H70 + 1*H72 - \\
& 1*H74 + 1*H80 + 1*H81 + 1*H83 + 3*H84 + 1*H90 + 1*H91 - 1*H93 - 1*H105 - \\
& 1*H107 + 1*H108 + 1*H111 + 1*H114 - 1*H117 - 1*H119 - 1*H124 - 1*H127
\end{aligned}$$

$$\begin{aligned}
J3 * J259 = & 1*B1 + 1*B2 - 1*C6 - 1*C1 + 1*C7 - 1*D5 + 1*D6 - 1*D7 + 1*D8 \\
& - 1*E6 - 2*E8 + 1*E10 + 1*E12 - 1*E13 - 1*E15 - 1*E16 + 1*F6 - 1*F10 + \\
& 1*F11 - 1*F12 - 1*F22 + 1*F23 - 2*F24 - 1*F29 + 1*F30 - 1*F31 - 1*F32 + \\
& 1*G3 - 1*G6 + 1*G10 - 1*G11 + 1*G17 + 1*G21 - 1*G23 - 1*G30 + 2*G31 - \\
& 1*G42 - 1*G44 + 1*G48 + 1*G50 - 1*G54 - 2*G56 + 2*G60 + 1*G62 - 1*G64 - \\
& 1*H3 + 2*H6 + 1*H7 - 1*H21 + 1*H22 + 1*H32 + 1*H33 + 1*H36 + 1*H40 + \\
& 1*H42 + 1*H44 + 1*H46 + 1*H47 - 1*H48 - 1*H50 + 1*H53 + 1*H54 + 1*H56 + \\
& 1*H59 - 2*H60 - 1*H61 - 1*H63 + 1*H64 + 1*H68 - 1*H70 + 1*H71 + 1*H73 - \\
& 1*H75 + 1*H81 + 1*H82 + 1*H84 + 3*H85 + 1*H91 + 1*H92 - 1*H94 - 1*H106 - \\
& 1*H108 + 1*H109 + 1*H112 + 1*H115 - 1*H118 - 1*H120 - 1*H125 - 1*H128
\end{aligned}$$

$$\begin{aligned}
J4 * J260 = & 1*B2 + 1*B3 - 1*C1 - 1*C7 + 1*C4 - 1*D6 + 1*D7 - 1*D8 + 1*D9 \\
& - 1*E7 - 2*E9 + 1*E11 + 1*E13 - 1*E14 - 1*E16 - 1*E17 + 1*F7 - 1*F11 + \\
& 1*F12 - 1*F13 - 1*F23 + 1*F24 - 2*F25 - 1*F30 + 1*F31 - 1*F32 - 1*F33 + \\
& 1*G4 - 1*G7 + 1*G11 - 1*G12 + 1*G18 + 1*G22 - 1*G24 - 1*G31 + 2*G32 - \\
& 1*G43 - 1*G45 + 1*G49 + 1*G51 - 1*G55 - 2*G57 + 2*G61 + 1*G63 - 1*G65 - \\
& 1*H4 + 2*H7 + 1*H8 - 1*H22 + 1*H23 + 1*H33 + 1*H34 + 1*H37 + 1*H41 + \\
& 1*H43 + 1*H45 + 1*H47 + 1*H48 - 1*H49 - 1*H51 + 1*H54 + 1*H55 + 1*H57 + \\
& 1*H60 - 2*H61 - 1*H62 - 1*H64 + 1*H65 + 1*H69 - 1*H71 + 1*H72 + 1*H74 - \\
& 1*H76 + 1*H82 + 1*H83 + 1*H85 + 3*H86 + 1*H92 + 1*H93 - 1*H95 - 1*H107 - \\
& 1*H109 + 1*H110 + 1*H113 + 1*H116 - 1*H119 - 1*H121 - 1*H126 - 1*H129
\end{aligned}$$

$$\begin{aligned}
J5 * J261 = & 1*B3 + 1*B0 - 1*C7 - 1*C4 + 1*C2 - 1*D7 + 1*D8 - 1*D9 + 1*D10 \\
& - 1*E8 - 2*E10 + 1*E12 + 1*E14 - 1*E15 - 1*E17 - 1*E18 + 1*F8 - 1*F12 + \\
& 1*F13 - 1*F14 - 1*F24 + 1*F25 - 2*F26 - 1*F31 + 1*F32 - 1*F33 - 1*F34 +
\end{aligned}$$

$$\begin{aligned}
& 1*G5 - 1*G8 + 1*G12 - 1*G13 + 1*G19 + 1*G23 - 1*G25 - 1*G32 + 2*G33 - \\
& 1*G44 - 1*G46 + 1*G50 + 1*G52 - 1*G56 - 2*G58 + 2*G62 + 1*G64 - 1*G66 - \\
& 1*H5 + 2*H8 + 1*H9 - 1*H23 + 1*H24 + 1*H34 + 1*H35 + 1*H38 + 1*H42 + \\
& 1*H44 + 1*H46 + 1*H48 + 1*H49 - 1*H50 - 1*H52 + 1*H55 + 1*H56 + 1*H58 + \\
& 1*H61 - 2*H62 - 1*H63 - 1*H65 + 1*H66 + 1*H70 - 1*H72 + 1*H73 + 1*H75 - \\
& 1*H77 + 1*H83 + 1*H84 + 1*H86 + 3*H87 + 1*H93 + 1*H94 - 1*H96 - 1*H108 - \\
& 1*H110 + 1*H111 + 1*H114 + 1*H117 - 1*H120 - 1*H122 - 1*H127 - 1*H130
\end{aligned}$$

$$\begin{aligned}
J6 * J262 = & 1*B0 + 1*B1 - 1*C4 - 1*C2 + 1*C5 - 1*D8 + 1*D9 - 1*D10 + \\
& 1*D11 - 1*E9 - 2*E11 + 1*E13 + 1*E15 - 1*E16 - 1*E18 - 1*E19 + 1*F9 - \\
& 1*F13 + 1*F14 - 1*F15 - 1*F25 + 1*F26 - 2*F27 - 1*F32 + 1*F33 - 1*F34 - \\
& 1*F35 + 1*G6 - 1*G9 + 1*G13 - 1*G14 + 1*G20 + 1*G24 - 1*G26 - 1*G33 + \\
& 2*G34 - 1*G45 - 1*G47 + 1*G51 + 1*G53 - 1*G57 - 2*G59 + 2*G63 + 1*G65 - \\
& 1*G67 - 1*H6 + 2*H9 + 1*H10 - 1*H24 + 1*H25 + 1*H35 + 1*H36 + 1*H39 + \\
& 1*H43 + 1*H45 + 1*H47 + 1*H49 + 1*H50 - 1*H51 - 1*H53 + 1*H56 + 1*H57 + \\
& 1*H59 + 1*H62 - 2*H63 - 1*H64 - 1*H66 + 1*H67 + 1*H71 - 1*H73 + 1*H74 + \\
& 1*H76 - 1*H78 + 1*H84 + 1*H85 + 1*H87 + 3*H88 + 1*H94 + 1*H95 - 1*H97 - \\
& 1*H109 - 1*H111 + 1*H112 + 1*H115 + 1*H118 - 1*H121 - 1*H123 - 1*H128 - \\
& 1*H131
\end{aligned}$$

$$\begin{aligned}
J7 * J263 = & 1*B1 + 1*B2 - 1*C2 - 1*C5 + 1*C3 - 1*D9 + 1*D10 - 1*D11 + \\
& 1*D12 - 1*E10 - 2*E12 + 1*E14 + 1*E16 - 1*E17 - 1*E19 - 1*E20 + 1*F10 - \\
& 1*F14 + 1*F15 - 1*F16 - 1*F26 + 1*F27 - 2*F28 - 1*F33 + 1*F34 - 1*F35 - \\
& 1*F36 + 1*G7 - 1*G10 + 1*G14 - 1*G15 + 1*G21 + 1*G25 - 1*G27 - 1*G34 + \\
& 2*G35 - 1*G46 - 1*G48 + 1*G52 + 1*G54 - 1*G58 - 2*G60 + 2*G64 + 1*G66 - \\
& 1*G68 - 1*H7 + 2*H10 + 1*H11 - 1*H25 + 1*H26 + 1*H36 + 1*H37 + 1*H40 + \\
& 1*H44 + 1*H46 + 1*H48 + 1*H50 + 1*H51 - 1*H52 - 1*H54 + 1*H57 + 1*H58 + \\
& 1*H60 + 1*H63 - 2*H64 - 1*H65 - 1*H67 + 1*H68 + 1*H72 - 1*H74 + 1*H75 + \\
& 1*H77 - 1*H79 + 1*H85 + 1*H86 + 1*H88 + 3*H89 + 1*H95 + 1*H96 - 1*H98 - \\
& 1*H110 - 1*H112 + 1*H113 + 1*H116 + 1*H119 - 1*H122 - 1*H124 - 1*H129 - \\
& 1*H132
\end{aligned}$$

$$\begin{aligned}
J8 * J264 = & 1*B2 + 1*B3 - 1*C5 - 1*C3 + 1*C0 - 1*D10 + 1*D11 - 1*D12 + \\
& 1*D13 - 1*E11 - 2*E13 + 1*E15 + 1*E17 - 1*E18 - 1*E20 - 1*E21 + 1*F11 - \\
& 1*F15 + 1*F16 - 1*F17 - 1*F27 + 1*F28 - 2*F29 - 1*F34 + 1*F35 - 1*F36 - \\
& 1*F37 + 1*G8 - 1*G11 + 1*G15 - 1*G16 + 1*G22 + 1*G26 - 1*G28 - 1*G35 + \\
& 2*G36 - 1*G47 - 1*G49 + 1*G53 + 1*G55 - 1*G59 - 2*G61 + 2*G65 + 1*G67 - \\
& 1*G69 - 1*H8 + 2*H11 + 1*H12 - 1*H26 + 1*H27 + 1*H37 + 1*H38 + 1*H41 + \\
& 1*H45 + 1*H47 + 1*H49 + 1*H51 + 1*H52 - 1*H53 - 1*H55 + 1*H58 + 1*H59 + \\
& 1*H61 + 1*H64 - 2*H65 - 1*H66 - 1*H68 + 1*H69 + 1*H73 - 1*H75 + 1*H76 + \\
& 1*H78 - 1*H80 + 1*H86 + 1*H87 + 1*H89 + 3*H90 + 1*H96 + 1*H97 - 1*H99 - \\
& 1*H111 - 1*H113 + 1*H114 + 1*H117 + 1*H120 - 1*H123 - 1*H125 - 1*H130 - \\
& 1*H133
\end{aligned}$$

$$\begin{aligned}
J9 * J265 = & 1*B3 + 1*B0 - 1*C3 - 1*C0 + 1*C6 - 1*D11 + 1*D12 - 1*D13 + \\
& 1*D14 - 1*E12 - 2*E14 + 1*E16 + 1*E18 - 1*E19 - 1*E21 - 1*E22 + 1*F12 - \\
& 1*F16 + 1*F17 - 1*F18 - 1*F28 + 1*F29 - 2*F30 - 1*F35 + 1*F36 - 1*F37 - \\
& 1*F38 + 1*G9 - 1*G12 + 1*G16 - 1*G17 + 1*G23 + 1*G27 - 1*G29 - 1*G36 + \\
& 2*G37 - 1*G48 - 1*G50 + 1*G54 + 1*G56 - 1*G60 - 2*G62 + 2*G66 + 1*G68 - \\
& 1*G70 - 1*H9 + 2*H12 + 1*H13 - 1*H27 + 1*H28 + 1*H38 + 1*H39 + 1*H42 + \\
& 1*H46 + 1*H48 + 1*H50 + 1*H52 + 1*H53 - 1*H54 - 1*H56 + 1*H59 + 1*H60 + \\
& 1*H62 + 1*H65 - 2*H66 - 1*H67 - 1*H69 + 1*H70 + 1*H74 - 1*H76 + 1*H77 + \\
& 1*H79 - 1*H81 + 1*H87 + 1*H88 + 1*H90 + 3*H91 + 1*H97 + 1*H98 - 1*H100 - \\
& 1*H112 - 1*H114 + 1*H115 + 1*H118 + 1*H121 - 1*H124 - 1*H126 - 1*H131 - \\
& 1*H134
\end{aligned}$$

$$\begin{aligned}
J10 * J266 = & 1*B0 + 1*B1 - 1*C0 - 1*C6 + 1*C1 - 1*D12 + 1*D13 - 1*D14 + \\
& 1*D15 - 1*E13 - 2*E15 + 1*E17 + 1*E19 - 1*E20 - 1*E22 - 1*E23 + 1*F13 - \\
& 1*F17 + 1*F18 - 1*F19 - 1*F29 + 1*F30 - 2*F31 - 1*F36 + 1*F37 - 1*F38 - \\
& 1*F39 + 1*G10 - 1*G13 + 1*G17 - 1*G18 + 1*G24 + 1*G28 - 1*G30 - 1*G37 +
\end{aligned}$$

$$\begin{aligned}
& 2*G38 - 1*G49 - 1*G51 + 1*G55 + 1*G57 - 1*G61 - 2*G63 + 2*G67 + 1*G69 - \\
& 1*G71 - 1*H10 + 2*H13 + 1*H14 - 1*H28 + 1*H29 + 1*H39 + 1*H40 + 1*H43 + \\
& 1*H47 + 1*H49 + 1*H51 + 1*H53 + 1*H54 - 1*H55 - 1*H57 + 1*H60 + 1*H61 + \\
& 1*H63 + 1*H66 - 2*H67 - 1*H68 - 1*H70 + 1*H71 + 1*H75 - 1*H77 + 1*H78 + \\
& 1*H80 - 1*H82 + 1*H88 + 1*H89 + 1*H91 + 3*H92 + 1*H98 + 1*H99 - 1*H101 - \\
& 1*H113 - 1*H115 + 1*H116 + 1*H119 + 1*H122 - 1*H125 - 1*H127 - 1*H132 - \\
& 1*H135
\end{aligned}$$

$$\begin{aligned}
J11 * J267 = & 1*B1 + 1*B2 - 1*C6 - 1*C1 + 1*C7 - 1*D13 + 1*D14 - 1*D15 + \\
& 1*D0 - 1*E14 - 2*E16 + 1*E18 + 1*E20 - 1*E21 - 1*E23 - 1*E24 + 1*F14 - \\
& 1*F18 + 1*F19 - 1*F20 - 1*F30 + 1*F31 - 2*F32 - 1*F37 + 1*F38 - 1*F39 - \\
& 1*F40 + 1*G11 - 1*G14 + 1*G18 - 1*G19 + 1*G25 + 1*G29 - 1*G31 - 1*G38 + \\
& 2*G39 - 1*G50 - 1*G52 + 1*G56 + 1*G58 - 1*G62 - 2*G64 + 2*G68 + 1*G70 - \\
& 1*G72 - 1*H11 + 2*H14 + 1*H15 - 1*H29 + 1*H30 + 1*H40 + 1*H41 + 1*H44 + \\
& 1*H48 + 1*H50 + 1*H52 + 1*H54 + 1*H55 - 1*H56 - 1*H58 + 1*H61 + 1*H62 + \\
& 1*H64 + 1*H67 - 2*H68 - 1*H69 - 1*H71 + 1*H72 + 1*H76 - 1*H78 + 1*H79 + \\
& 1*H81 - 1*H83 + 1*H89 + 1*H90 + 1*H92 + 3*H93 + 1*H99 + 1*H100 - 1*H102 - \\
& 1*H114 - 1*H116 + 1*H117 + 1*H120 + 1*H123 - 1*H126 - 1*H128 - 1*H133 - \\
& 1*H136
\end{aligned}$$

$$\begin{aligned}
J12 * J268 = & 1*B2 + 1*B3 - 1*C1 - 1*C7 + 1*C4 - 1*D14 + 1*D15 - 1*D0 + \\
& 1*D1 - 1*E15 - 2*E17 + 1*E19 + 1*E21 - 1*E22 - 1*E24 - 1*E25 + 1*F15 - \\
& 1*F19 + 1*F20 - 1*F21 - 1*F31 + 1*F32 - 2*F33 - 1*F38 + 1*F39 - 1*F40 - \\
& 1*F41 + 1*G12 - 1*G15 + 1*G19 - 1*G20 + 1*G26 + 1*G30 - 1*G32 - 1*G39 + \\
& 2*G40 - 1*G51 - 1*G53 + 1*G57 + 1*G59 - 1*G63 - 2*G65 + 2*G69 + 1*G71 - \\
& 1*G73 - 1*H12 + 2*H15 + 1*H16 - 1*H30 + 1*H31 + 1*H41 + 1*H42 + 1*H45 + \\
& 1*H49 + 1*H51 + 1*H53 + 1*H55 + 1*H56 - 1*H57 - 1*H59 + 1*H62 + 1*H63 + \\
& 1*H65 + 1*H68 - 2*H69 - 1*H70 - 1*H72 + 1*H73 + 1*H77 - 1*H79 + 1*H80 + \\
& 1*H82 - 1*H84 + 1*H90 + 1*H91 + 1*H93 + 3*H94 + 1*H100 + 1*H101 - 1*H103 \\
& - 1*H115 - 1*H117 + 1*H118 + 1*H121 + 1*H124 - 1*H127 - 1*H129 - 1*H134 - \\
& 1*H137
\end{aligned}$$

$$\begin{aligned}
J13 * J269 = & 1*B3 + 1*B0 - 1*C7 - 1*C4 + 1*C2 - 1*D15 + 1*D0 - 1*D1 + \\
& 1*D2 - 1*E16 - 2*E18 + 1*E20 + 1*E22 - 1*E23 - 1*E25 - 1*E26 + 1*F16 - \\
& 1*F20 + 1*F21 - 1*F22 - 1*F32 + 1*F33 - 2*F34 - 1*F39 + 1*F40 - 1*F41 - \\
& 1*F42 + 1*G13 - 1*G16 + 1*G20 - 1*G21 + 1*G27 + 1*G31 - 1*G33 - 1*G40 + \\
& 2*G41 - 1*G52 - 1*G54 + 1*G58 + 1*G60 - 1*G64 - 2*G66 + 2*G70 + 1*G72 - \\
& 1*G74 - 1*H13 + 2*H16 + 1*H17 - 1*H31 + 1*H32 + 1*H42 + 1*H43 + 1*H46 + \\
& 1*H50 + 1*H52 + 1*H54 + 1*H56 + 1*H57 - 1*H58 - 1*H60 + 1*H63 + 1*H64 + \\
& 1*H66 + 1*H69 - 2*H70 - 1*H71 - 1*H73 + 1*H74 + 1*H78 - 1*H80 + 1*H81 + \\
& 1*H83 - 1*H85 + 1*H91 + 1*H92 + 1*H94 + 3*H95 + 1*H101 + 1*H102 - 1*H104 \\
& - 1*H116 - 1*H118 + 1*H119 + 1*H122 + 1*H125 - 1*H128 - 1*H130 - 1*H135 - \\
& 1*H138
\end{aligned}$$

$$\begin{aligned}
J14 * J270 = & 1*B0 + 1*B1 - 1*C4 - 1*C2 + 1*C5 - 1*D0 + 1*D1 - 1*D2 + 1*D3 \\
& - 1*E17 - 2*E19 + 1*E21 + 1*E23 - 1*E24 - 1*E26 - 1*E27 + 1*F17 - 1*F21 + \\
& 1*F22 - 1*F23 - 1*F33 + 1*F34 - 2*F35 - 1*F40 + 1*F41 - 1*F42 - 1*F43 + \\
& 1*G14 - 1*G17 + 1*G21 - 1*G22 + 1*G28 + 1*G32 - 1*G34 - 1*G41 + 2*G42 - \\
& 1*G53 - 1*G55 + 1*G59 + 1*G61 - 1*G65 - 2*G67 + 2*G71 + 1*G73 - 1*G75 - \\
& 1*H14 + 2*H17 + 1*H18 - 1*H32 + 1*H33 + 1*H43 + 1*H44 + 1*H47 + 1*H51 + \\
& 1*H53 + 1*H55 + 1*H57 + 1*H58 - 1*H59 - 1*H61 + 1*H64 + 1*H65 + 1*H67 + \\
& 1*H70 - 2*H71 - 1*H72 - 1*H74 + 1*H75 + 1*H79 - 1*H81 + 1*H82 + 1*H84 - \\
& 1*H86 + 1*H92 + 1*H93 + 1*H95 + 3*H96 + 1*H102 + 1*H103 - 1*H105 - 1*H117 \\
& - 1*H119 + 1*H120 + 1*H123 + 1*H126 - 1*H129 - 1*H131 - 1*H136 - 1*H139
\end{aligned}$$

$$\begin{aligned}
J15 * J271 = & 1*B1 + 1*B2 - 1*C2 - 1*C5 + 1*C3 - 1*D1 + 1*D2 - 1*D3 + 1*D4 \\
& - 1*E18 - 2*E20 + 1*E22 + 1*E24 - 1*E25 - 1*E27 - 1*E28 + 1*F18 - 1*F22 + \\
& 1*F23 - 1*F24 - 1*F34 + 1*F35 - 2*F36 - 1*F41 + 1*F42 - 1*F43 - 1*F44 + \\
& 1*G15 - 1*G18 + 1*G22 - 1*G23 + 1*G29 + 1*G33 - 1*G35 - 1*G42 + 2*G43 - \\
& 1*G54 - 1*G56 + 1*G60 + 1*G62 - 1*G66 - 2*G68 + 2*G72 + 1*G74 - 1*G76 -
\end{aligned}$$

1*H15 + 2*H18 + 1*H19 - 1*H33 + 1*H34 + 1*H44 + 1*H45 + 1*H48 + 1*H52 +
1*H54 + 1*H56 + 1*H58 + 1*H59 - 1*H60 - 1*H62 + 1*H65 + 1*H66 + 1*H68 +
1*H71 - 2*H72 - 1*H73 - 1*H75 + 1*H76 + 1*H80 - 1*H82 + 1*H83 + 1*H85 -
1*H87 + 1*H93 + 1*H94 + 1*H96 + 3*H97 + 1*H103 + 1*H104 - 1*H106 - 1*H118
- 1*H120 + 1*H121 + 1*H124 + 1*H127 - 1*H130 - 1*H132 - 1*H137 - 1*H140

J16 * J272 = 1*B2 + 1*B3 - 1*C5 - 1*C3 + 1*C0 - 1*D2 + 1*D3 - 1*D4 + 1*D5
- 1*E19 - 2*E21 + 1*E23 + 1*E25 - 1*E26 - 1*E28 - 1*E29 + 1*F19 - 1*F23 +
1*F24 - 1*F25 - 1*F35 + 1*F36 - 2*F37 - 1*F42 + 1*F43 - 1*F44 - 1*F45 +
1*G16 - 1*G19 + 1*G23 - 1*G24 + 1*G30 + 1*G34 - 1*G36 - 1*G43 + 2*G44 -
1*G55 - 1*G57 + 1*G61 + 1*G63 - 1*G67 - 2*G69 + 2*G73 + 1*G75 - 1*G77 -
1*H16 + 2*H19 + 1*H20 - 1*H34 + 1*H35 + 1*H45 + 1*H46 + 1*H49 + 1*H53 +
1*H55 + 1*H57 + 1*H59 + 1*H60 - 1*H61 - 1*H63 + 1*H66 + 1*H67 + 1*H69 +
1*H72 - 2*H73 - 1*H74 - 1*H76 + 1*H77 + 1*H81 - 1*H83 + 1*H84 + 1*H86 -
1*H88 + 1*H94 + 1*H95 + 1*H97 + 3*H98 + 1*H104 + 1*H105 - 1*H107 - 1*H119
- 1*H121 + 1*H122 + 1*H125 + 1*H128 - 1*H131 - 1*H133 - 1*H138 - 1*H141

J17 * J273 = 1*B3 + 1*B0 - 1*C3 - 1*C0 + 1*C6 - 1*D3 + 1*D4 - 1*D5 + 1*D6
- 1*E20 - 2*E22 + 1*E24 + 1*E26 - 1*E27 - 1*E29 - 1*E30 + 1*F20 - 1*F24 +
1*F25 - 1*F26 - 1*F36 + 1*F37 - 2*F38 - 1*F43 + 1*F44 - 1*F45 - 1*F46 +
1*G17 - 1*G20 + 1*G24 - 1*G25 + 1*G31 + 1*G35 - 1*G37 - 1*G44 + 2*G45 -
1*G56 - 1*G58 + 1*G62 + 1*G64 - 1*G68 - 2*G70 + 2*G74 + 1*G76 - 1*G78 -
1*H17 + 2*H20 + 1*H21 - 1*H35 + 1*H36 + 1*H46 + 1*H47 + 1*H50 + 1*H54 +
1*H56 + 1*H58 + 1*H60 + 1*H61 - 1*H62 - 1*H64 + 1*H67 + 1*H68 + 1*H70 +
1*H73 - 2*H74 - 1*H75 - 1*H77 + 1*H78 + 1*H82 - 1*H84 + 1*H85 + 1*H87 -
1*H89 + 1*H95 + 1*H96 + 1*H98 + 3*H99 + 1*H105 + 1*H106 - 1*H108 - 1*H120
- 1*H122 + 1*H123 + 1*H126 + 1*H129 - 1*H132 - 1*H134 - 1*H139 - 1*H142

J18 * J274 = 1*B0 + 1*B1 - 1*C0 - 1*C6 + 1*C1 - 1*D4 + 1*D5 - 1*D6 + 1*D7
- 1*E21 - 2*E23 + 1*E25 + 1*E27 - 1*E28 - 1*E30 - 1*E31 + 1*F21 - 1*F25 +
1*F26 - 1*F27 - 1*F37 + 1*F38 - 2*F39 - 1*F44 + 1*F45 - 1*F46 - 1*F47 +
1*G18 - 1*G21 + 1*G25 - 1*G26 + 1*G32 + 1*G36 - 1*G38 - 1*G45 + 2*G46 -
1*G57 - 1*G59 + 1*G63 + 1*G65 - 1*G69 - 2*G71 + 2*G75 + 1*G77 - 1*G79 -
1*H18 + 2*H21 + 1*H22 - 1*H36 + 1*H37 + 1*H47 + 1*H48 + 1*H51 + 1*H55 +
1*H57 + 1*H59 + 1*H61 + 1*H62 - 1*H63 - 1*H65 + 1*H68 + 1*H69 + 1*H71 +
1*H74 - 2*H75 - 1*H76 - 1*H78 + 1*H79 + 1*H83 - 1*H85 + 1*H86 + 1*H88 -
1*H90 + 1*H96 + 1*H97 + 1*H99 + 3*H100 + 1*H106 + 1*H107 - 1*H109 -
1*H121 - 1*H123 + 1*H124 + 1*H127 + 1*H130 - 1*H133 - 1*H135 - 1*H140 -
1*H143

J19 * J275 = 1*B1 + 1*B2 - 1*C6 - 1*C1 + 1*C7 - 1*D5 + 1*D6 - 1*D7 + 1*D8
- 1*E22 - 2*E24 + 1*E26 + 1*E28 - 1*E29 - 1*E31 - 1*E0 + 1*F22 - 1*F26 +
1*F27 - 1*F28 - 1*F38 + 1*F39 - 2*F40 - 1*F45 + 1*F46 - 1*F47 - 1*F48 +
1*G19 - 1*G22 + 1*G26 - 1*G27 + 1*G33 + 1*G37 - 1*G39 - 1*G46 + 2*G47 -
1*G58 - 1*G60 + 1*G64 + 1*G66 - 1*G70 - 2*G72 + 2*G76 + 1*G78 - 1*G80 -
1*H19 + 2*H22 + 1*H23 - 1*H37 + 1*H38 + 1*H48 + 1*H49 + 1*H52 + 1*H56 +
1*H58 + 1*H60 + 1*H62 + 1*H63 - 1*H64 - 1*H66 + 1*H69 + 1*H70 + 1*H72 +
1*H75 - 2*H76 - 1*H77 - 1*H79 + 1*H80 + 1*H84 - 1*H86 + 1*H87 + 1*H89 -
1*H91 + 1*H97 + 1*H98 + 1*H100 + 3*H101 + 1*H107 + 1*H108 - 1*H110 -
1*H122 - 1*H124 + 1*H125 + 1*H128 + 1*H131 - 1*H134 - 1*H136 - 1*H141 -
1*H144

J20 * J276 = 1*B2 + 1*B3 - 1*C1 - 1*C7 + 1*C4 - 1*D6 + 1*D7 - 1*D8 + 1*D9
- 1*E23 - 2*E25 + 1*E27 + 1*E29 - 1*E30 - 1*E0 - 1*E1 + 1*F23 - 1*F27 +
1*F28 - 1*F29 - 1*F39 + 1*F40 - 2*F41 - 1*F46 + 1*F47 - 1*F48 - 1*F49 +
1*G20 - 1*G23 + 1*G27 - 1*G28 + 1*G34 + 1*G38 - 1*G40 - 1*G47 + 2*G48 -
1*G59 - 1*G61 + 1*G65 + 1*G67 - 1*G71 - 2*G73 + 2*G77 + 1*G79 - 1*G81 -
1*H20 + 2*H23 + 1*H24 - 1*H38 + 1*H39 + 1*H49 + 1*H50 + 1*H53 + 1*H57 +
1*H59 + 1*H61 + 1*H63 + 1*H64 - 1*H65 - 1*H67 + 1*H70 + 1*H71 + 1*H73 +
1*H76 - 2*H77 - 1*H78 - 1*H80 + 1*H81 + 1*H85 - 1*H87 + 1*H88 + 1*H90 -

1*H92 + 1*H98 + 1*H99 + 1*H101 + 3*H102 + 1*H108 + 1*H109 - 1*H111 -
1*H123 - 1*H125 + 1*H126 + 1*H129 + 1*H132 - 1*H135 - 1*H137 - 1*H142 -
1*H145

J21 * J277 = 1*B3 + 1*B0 - 1*C7 - 1*C4 + 1*C2 - 1*D7 + 1*D8 - 1*D9 +
1*D10 - 1*E24 - 2*E26 + 1*E28 + 1*E30 - 1*E31 - 1*E1 - 1*E2 + 1*F24 -
1*F28 + 1*F29 - 1*F30 - 1*F40 + 1*F41 - 2*F42 - 1*F47 + 1*F48 - 1*F49 -
1*F50 + 1*G21 - 1*G24 + 1*G28 - 1*G29 + 1*G35 + 1*G39 - 1*G41 - 1*G48 +
2*G49 - 1*G60 - 1*G62 + 1*G66 + 1*G68 - 1*G72 - 2*G74 + 2*G78 + 1*G80 -
1*G82 - 1*H21 + 2*H24 + 1*H25 - 1*H39 + 1*H40 + 1*H50 + 1*H51 + 1*H54 +
1*H58 + 1*H60 + 1*H62 + 1*H64 + 1*H65 - 1*H66 - 1*H68 + 1*H71 + 1*H72 +
1*H74 + 1*H77 - 2*H78 - 1*H79 - 1*H81 + 1*H82 + 1*H86 - 1*H88 + 1*H89 +
1*H91 - 1*H93 + 1*H99 + 1*H100 + 1*H102 + 3*H103 + 1*H109 + 1*H110 -
1*H112 - 1*H124 - 1*H126 + 1*H127 + 1*H130 + 1*H133 - 1*H136 - 1*H138 -
1*H143 - 1*H146

J22 * J278 = 1*B0 + 1*B1 - 1*C4 - 1*C2 + 1*C5 - 1*D8 + 1*D9 - 1*D10 +
1*D11 - 1*E25 - 2*E27 + 1*E29 + 1*E31 - 1*E0 - 1*E2 - 1*E3 + 1*F25 -
1*F29 + 1*F30 - 1*F31 - 1*F41 + 1*F42 - 2*F43 - 1*F48 + 1*F49 - 1*F50 -
1*F51 + 1*G22 - 1*G25 + 1*G29 - 1*G30 + 1*G36 + 1*G40 - 1*G42 - 1*G49 +
2*G50 - 1*G61 - 1*G63 + 1*G67 + 1*G69 - 1*G73 - 2*G75 + 2*G79 + 1*G81 -
1*G83 - 1*H22 + 2*H25 + 1*H26 - 1*H40 + 1*H41 + 1*H51 + 1*H52 + 1*H55 +
1*H59 + 1*H61 + 1*H63 + 1*H65 + 1*H66 - 1*H67 - 1*H69 + 1*H72 + 1*H73 +
1*H75 + 1*H78 - 2*H79 - 1*H80 - 1*H82 + 1*H83 + 1*H87 - 1*H89 + 1*H90 +
1*H92 - 1*H94 + 1*H100 + 1*H101 + 1*H103 + 3*H104 + 1*H110 + 1*H111 -
1*H113 - 1*H125 - 1*H127 + 1*H128 + 1*H131 + 1*H134 - 1*H137 - 1*H139 -
1*H144 - 1*H147

J23 * J279 = 1*B1 + 1*B2 - 1*C2 - 1*C5 + 1*C3 - 1*D9 + 1*D10 - 1*D11 +
1*D12 - 1*E26 - 2*E28 + 1*E30 + 1*E0 - 1*E1 - 1*E3 - 1*E4 + 1*F26 - 1*F30
+ 1*F31 - 1*F32 - 1*F42 + 1*F43 - 2*F44 - 1*F49 + 1*F50 - 1*F51 - 1*F52 +
1*G23 - 1*G26 + 1*G30 - 1*G31 + 1*G37 + 1*G41 - 1*G43 - 1*G50 + 2*G51 -
1*G62 - 1*G64 + 1*G68 + 1*G70 - 1*G74 - 2*G76 + 2*G80 + 1*G82 - 1*G84 -
1*H23 + 2*H26 + 1*H27 - 1*H41 + 1*H42 + 1*H52 + 1*H53 + 1*H56 + 1*H60 +
1*H62 + 1*H64 + 1*H66 + 1*H67 - 1*H68 - 1*H70 + 1*H73 + 1*H74 + 1*H76 +
1*H79 - 2*H80 - 1*H81 - 1*H83 + 1*H84 + 1*H88 - 1*H90 + 1*H91 + 1*H93 -
1*H95 + 1*H101 + 1*H102 + 1*H104 + 3*H105 + 1*H111 + 1*H112 - 1*H114 -
1*H126 - 1*H128 + 1*H129 + 1*H132 + 1*H135 - 1*H138 - 1*H140 - 1*H145 -
1*H148

J24 * J280 = 1*B2 + 1*B3 - 1*C5 - 1*C3 + 1*C0 - 1*D10 + 1*D11 - 1*D12 +
1*D13 - 1*E27 - 2*E29 + 1*E31 + 1*E1 - 1*E2 - 1*E4 - 1*E5 + 1*F27 - 1*F31
+ 1*F32 - 1*F33 - 1*F43 + 1*F44 - 2*F45 - 1*F50 + 1*F51 - 1*F52 - 1*F53 +
1*G24 - 1*G27 + 1*G31 - 1*G32 + 1*G38 + 1*G42 - 1*G44 - 1*G51 + 2*G52 -
1*G63 - 1*G65 + 1*G69 + 1*G71 - 1*G75 - 2*G77 + 2*G81 + 1*G83 - 1*G85 -
1*H24 + 2*H27 + 1*H28 - 1*H42 + 1*H43 + 1*H53 + 1*H54 + 1*H57 + 1*H61 +
1*H63 + 1*H65 + 1*H67 + 1*H68 - 1*H69 - 1*H71 + 1*H74 + 1*H75 + 1*H77 +
1*H80 - 2*H81 - 1*H82 - 1*H84 + 1*H85 + 1*H89 - 1*H91 + 1*H92 + 1*H94 -
1*H96 + 1*H102 + 1*H103 + 1*H105 + 3*H106 + 1*H112 + 1*H113 - 1*H115 -
1*H127 - 1*H129 + 1*H130 + 1*H133 + 1*H136 - 1*H139 - 1*H141 - 1*H146 -
1*H149

J25 * J281 = 1*B3 + 1*B0 - 1*C3 - 1*C0 + 1*C6 - 1*D11 + 1*D12 - 1*D13 +
1*D14 - 1*E28 - 2*E30 + 1*E0 + 1*E2 - 1*E3 - 1*E5 - 1*E6 + 1*F28 - 1*F32
+ 1*F33 - 1*F34 - 1*F44 + 1*F45 - 2*F46 - 1*F51 + 1*F52 - 1*F53 - 1*F54 +
1*G25 - 1*G28 + 1*G32 - 1*G33 + 1*G39 + 1*G43 - 1*G45 - 1*G52 + 2*G53 -
1*G64 - 1*G66 + 1*G70 + 1*G72 - 1*G76 - 2*G78 + 2*G82 + 1*G84 - 1*G86 -
1*H25 + 2*H28 + 1*H29 - 1*H43 + 1*H44 + 1*H54 + 1*H55 + 1*H58 + 1*H62 +
1*H64 + 1*H66 + 1*H68 + 1*H69 - 1*H70 - 1*H72 + 1*H75 + 1*H76 + 1*H78 +
1*H81 - 2*H82 - 1*H83 - 1*H85 + 1*H86 + 1*H90 - 1*H92 + 1*H93 + 1*H95 -

1*H97 + 1*H103 + 1*H104 + 1*H106 + 3*H107 + 1*H113 + 1*H114 - 1*H116 -
1*H128 - 1*H130 + 1*H131 + 1*H134 + 1*H137 - 1*H140 - 1*H142 - 1*H147 -
1*H150

J26 * J282 = 1*B0 + 1*B1 - 1*C0 - 1*C6 + 1*C1 - 1*D12 + 1*D13 - 1*D14 +
1*D15 - 1*E29 - 2*E31 + 1*E1 + 1*E3 - 1*E4 - 1*E6 - 1*E7 + 1*F29 - 1*F33
+ 1*F34 - 1*F35 - 1*F45 + 1*F46 - 2*F47 - 1*F52 + 1*F53 - 1*F54 - 1*F55 +
1*G26 - 1*G29 + 1*G33 - 1*G34 + 1*G40 + 1*G44 - 1*G46 - 1*G53 + 2*G54 -
1*G65 - 1*G67 + 1*G71 + 1*G73 - 1*G77 - 2*G79 + 2*G83 + 1*G85 - 1*G87 -
1*H26 + 2*H29 + 1*H30 - 1*H44 + 1*H45 + 1*H55 + 1*H56 + 1*H59 + 1*H63 +
1*H65 + 1*H67 + 1*H69 + 1*H70 - 1*H71 - 1*H73 + 1*H76 + 1*H77 + 1*H79 +
1*H82 - 2*H83 - 1*H84 - 1*H86 + 1*H87 + 1*H91 - 1*H93 + 1*H94 + 1*H96 -
1*H98 + 1*H104 + 1*H105 + 1*H107 + 3*H108 + 1*H114 + 1*H115 - 1*H117 -
1*H129 - 1*H131 + 1*H132 + 1*H135 + 1*H138 - 1*H141 - 1*H143 - 1*H148 -
1*H151

J27 * J283 = 1*B1 + 1*B2 - 1*C6 - 1*C1 + 1*C7 - 1*D13 + 1*D14 - 1*D15 +
1*D0 - 1*E30 - 2*E0 + 1*E2 + 1*E4 - 1*E5 - 1*E7 - 1*E8 + 1*F30 - 1*F34 +
1*F35 - 1*F36 - 1*F46 + 1*F47 - 2*F48 - 1*F53 + 1*F54 - 1*F55 - 1*F56 +
1*G27 - 1*G30 + 1*G34 - 1*G35 + 1*G41 + 1*G45 - 1*G47 - 1*G54 + 2*G55 -
1*G66 - 1*G68 + 1*G72 + 1*G74 - 1*G78 - 2*G80 + 2*G84 + 1*G86 - 1*G88 -
1*H27 + 2*H30 + 1*H31 - 1*H45 + 1*H46 + 1*H56 + 1*H57 + 1*H60 + 1*H64 +
1*H66 + 1*H68 + 1*H70 + 1*H71 - 1*H72 - 1*H74 + 1*H77 + 1*H78 + 1*H80 +
1*H83 - 2*H84 - 1*H85 - 1*H87 + 1*H88 + 1*H92 - 1*H94 + 1*H95 + 1*H97 -
1*H99 + 1*H105 + 1*H106 + 1*H108 + 3*H109 + 1*H115 + 1*H116 - 1*H118 -
1*H130 - 1*H132 + 1*H133 + 1*H136 + 1*H139 - 1*H142 - 1*H144 - 1*H149 -
1*H152

J28 * J284 = 1*B2 + 1*B3 - 1*C1 - 1*C7 + 1*C4 - 1*D14 + 1*D15 - 1*D0 +
1*D1 - 1*E31 - 2*E1 + 1*E3 + 1*E5 - 1*E6 - 1*E8 - 1*E9 + 1*F31 - 1*F35 +
1*F36 - 1*F37 - 1*F47 + 1*F48 - 2*F49 - 1*F54 + 1*F55 - 1*F56 - 1*F57 +
1*G28 - 1*G31 + 1*G35 - 1*G36 + 1*G42 + 1*G46 - 1*G48 - 1*G55 + 2*G56 -
1*G67 - 1*G69 + 1*G73 + 1*G75 - 1*G79 - 2*G81 + 2*G85 + 1*G87 - 1*G89 -
1*H28 + 2*H31 + 1*H32 - 1*H46 + 1*H47 + 1*H57 + 1*H58 + 1*H61 + 1*H65 +
1*H67 + 1*H69 + 1*H71 + 1*H72 - 1*H73 - 1*H75 + 1*H78 + 1*H79 + 1*H81 +
1*H84 - 2*H85 - 1*H86 - 1*H88 + 1*H89 + 1*H93 - 1*H95 + 1*H96 + 1*H98 -
1*H100 + 1*H106 + 1*H107 + 1*H109 + 3*H110 + 1*H116 + 1*H117 - 1*H119 -
1*H131 - 1*H133 + 1*H134 + 1*H137 + 1*H140 - 1*H143 - 1*H145 - 1*H150 -
1*H153

J29 * J285 = 1*B3 + 1*B0 - 1*C7 - 1*C4 + 1*C2 - 1*D15 + 1*D0 - 1*D1 +
1*D2 - 1*E0 - 2*E2 + 1*E4 + 1*E6 - 1*E7 - 1*E9 - 1*E10 + 1*F32 - 1*F36 +
1*F37 - 1*F38 - 1*F48 + 1*F49 - 2*F50 - 1*F55 + 1*F56 - 1*F57 - 1*F58 +
1*G29 - 1*G32 + 1*G36 - 1*G37 + 1*G43 + 1*G47 - 1*G49 - 1*G56 + 2*G57 -
1*G68 - 1*G70 + 1*G74 + 1*G76 - 1*G80 - 2*G82 + 2*G86 + 1*G88 - 1*G90 -
1*H29 + 2*H32 + 1*H33 - 1*H47 + 1*H48 + 1*H58 + 1*H59 + 1*H62 + 1*H66 +
1*H68 + 1*H70 + 1*H72 + 1*H73 - 1*H74 - 1*H76 + 1*H79 + 1*H80 + 1*H82 +
1*H85 - 2*H86 - 1*H87 - 1*H89 + 1*H90 + 1*H94 - 1*H96 + 1*H97 + 1*H99 -
1*H101 + 1*H107 + 1*H108 + 1*H110 + 3*H111 + 1*H117 + 1*H118 - 1*H120 -
1*H132 - 1*H134 + 1*H135 + 1*H138 + 1*H141 - 1*H144 - 1*H146 - 1*H151 -
1*H154

J30 * J286 = 1*B0 + 1*B1 - 1*C4 - 1*C2 + 1*C5 - 1*D0 + 1*D1 - 1*D2 + 1*D3
- 1*E1 - 2*E3 + 1*E5 + 1*E7 - 1*E8 - 1*E10 - 1*E11 + 1*F33 - 1*F37 +
1*F38 - 1*F39 - 1*F49 + 1*F50 - 2*F51 - 1*F56 + 1*F57 - 1*F58 - 1*F59 +
1*G30 - 1*G33 + 1*G37 - 1*G38 + 1*G44 + 1*G48 - 1*G50 - 1*G57 + 2*G58 -
1*G69 - 1*G71 + 1*G75 + 1*G77 - 1*G81 - 2*G83 + 2*G87 + 1*G89 - 1*G91 -
1*H30 + 2*H33 + 1*H34 - 1*H48 + 1*H49 + 1*H59 + 1*H60 + 1*H63 + 1*H67 +
1*H69 + 1*H71 + 1*H73 + 1*H74 - 1*H75 - 1*H77 + 1*H80 + 1*H81 + 1*H83 +
1*H86 - 2*H87 - 1*H88 - 1*H90 + 1*H91 + 1*H95 - 1*H97 + 1*H98 + 1*H100 -

1*H102 + 1*H108 + 1*H109 + 1*H111 + 3*H112 + 1*H118 + 1*H119 - 1*H121 -
1*H133 - 1*H135 + 1*H136 + 1*H139 + 1*H142 - 1*H145 - 1*H147 - 1*H152 -
1*H155

J31 * J287 = 1*B1 + 1*B2 - 1*C2 - 1*C5 + 1*C3 - 1*D1 + 1*D2 - 1*D3 + 1*D4
- 1*E2 - 2*E4 + 1*E6 + 1*E8 - 1*E9 - 1*E11 - 1*E12 + 1*F34 - 1*F38 +
1*F39 - 1*F40 - 1*F50 + 1*F51 - 2*F52 - 1*F57 + 1*F58 - 1*F59 - 1*F60 +
1*G31 - 1*G34 + 1*G38 - 1*G39 + 1*G45 + 1*G49 - 1*G51 - 1*G58 + 2*G59 -
1*G70 - 1*G72 + 1*G76 + 1*G78 - 1*G82 - 2*G84 + 2*G88 + 1*G90 - 1*G92 -
1*H31 + 2*H34 + 1*H35 - 1*H49 + 1*H50 + 1*H60 + 1*H61 + 1*H64 + 1*H68 +
1*H70 + 1*H72 + 1*H74 + 1*H75 - 1*H76 - 1*H78 + 1*H81 + 1*H82 + 1*H84 +
1*H87 - 2*H88 - 1*H89 - 1*H91 + 1*H92 + 1*H96 - 1*H98 + 1*H99 + 1*H101 -
1*H103 + 1*H109 + 1*H110 + 1*H112 + 3*H113 + 1*H119 + 1*H120 - 1*H122 -
1*H134 - 1*H136 + 1*H137 + 1*H140 + 1*H143 - 1*H146 - 1*H148 - 1*H153 -
1*H156

J32 * J288 = 1*B2 + 1*B3 - 1*C5 - 1*C3 + 1*C0 - 1*D2 + 1*D3 - 1*D4 + 1*D5
- 1*E3 - 2*E5 + 1*E7 + 1*E9 - 1*E10 - 1*E12 - 1*E13 + 1*F35 - 1*F39 +
1*F40 - 1*F41 - 1*F51 + 1*F52 - 2*F53 - 1*F58 + 1*F59 - 1*F60 - 1*F61 +
1*G32 - 1*G35 + 1*G39 - 1*G40 + 1*G46 + 1*G50 - 1*G52 - 1*G59 + 2*G60 -
1*G71 - 1*G73 + 1*G77 + 1*G79 - 1*G83 - 2*G85 + 2*G89 + 1*G91 - 1*G93 -
1*H32 + 2*H35 + 1*H36 - 1*H50 + 1*H51 + 1*H61 + 1*H62 + 1*H65 + 1*H69 +
1*H71 + 1*H73 + 1*H75 + 1*H76 - 1*H77 - 1*H79 + 1*H82 + 1*H83 + 1*H85 +
1*H88 - 2*H89 - 1*H90 - 1*H92 + 1*H93 + 1*H97 - 1*H99 + 1*H100 + 1*H102 -
1*H104 + 1*H110 + 1*H111 + 1*H113 + 3*H114 + 1*H120 + 1*H121 - 1*H123 -
1*H135 - 1*H137 + 1*H138 + 1*H141 + 1*H144 - 1*H147 - 1*H149 - 1*H154 -
1*H157

J33 * J289 = 1*B3 + 1*B0 - 1*C3 - 1*C0 + 1*C6 - 1*D3 + 1*D4 - 1*D5 + 1*D6
- 1*E4 - 2*E6 + 1*E8 + 1*E10 - 1*E11 - 1*E13 - 1*E14 + 1*F36 - 1*F40 +
1*F41 - 1*F42 - 1*F52 + 1*F53 - 2*F54 - 1*F59 + 1*F60 - 1*F61 - 1*F62 +
1*G33 - 1*G36 + 1*G40 - 1*G41 + 1*G47 + 1*G51 - 1*G53 - 1*G60 + 2*G61 -
1*G72 - 1*G74 + 1*G78 + 1*G80 - 1*G84 - 2*G86 + 2*G90 + 1*G92 - 1*G94 -
1*H33 + 2*H36 + 1*H37 - 1*H51 + 1*H52 + 1*H62 + 1*H63 + 1*H66 + 1*H70 +
1*H72 + 1*H74 + 1*H76 + 1*H77 - 1*H78 - 1*H80 + 1*H83 + 1*H84 + 1*H86 +
1*H89 - 2*H90 - 1*H91 - 1*H93 + 1*H94 + 1*H98 - 1*H100 + 1*H101 + 1*H103
- 1*H105 + 1*H111 + 1*H112 + 1*H114 + 3*H115 + 1*H121 + 1*H122 - 1*H124 -
1*H136 - 1*H138 + 1*H139 + 1*H142 + 1*H145 - 1*H148 - 1*H150 - 1*H155 -
1*H158

J34 * J290 = 1*B0 + 1*B1 - 1*C0 - 1*C6 + 1*C1 - 1*D4 + 1*D5 - 1*D6 + 1*D7
- 1*E5 - 2*E7 + 1*E9 + 1*E11 - 1*E12 - 1*E14 - 1*E15 + 1*F37 - 1*F41 +
1*F42 - 1*F43 - 1*F53 + 1*F54 - 2*F55 - 1*F60 + 1*F61 - 1*F62 - 1*F63 +
1*G34 - 1*G37 + 1*G41 - 1*G42 + 1*G48 + 1*G52 - 1*G54 - 1*G61 + 2*G62 -
1*G73 - 1*G75 + 1*G79 + 1*G81 - 1*G85 - 2*G87 + 2*G91 + 1*G93 - 1*G95 -
1*H34 + 2*H37 + 1*H38 - 1*H52 + 1*H53 + 1*H63 + 1*H64 + 1*H67 + 1*H71 +
1*H73 + 1*H75 + 1*H77 + 1*H78 - 1*H79 - 1*H81 + 1*H84 + 1*H85 + 1*H87 +
1*H90 - 2*H91 - 1*H92 - 1*H94 + 1*H95 + 1*H99 - 1*H101 + 1*H102 + 1*H104
- 1*H106 + 1*H112 + 1*H113 + 1*H115 + 3*H116 + 1*H122 + 1*H123 - 1*H125 -
1*H137 - 1*H139 + 1*H140 + 1*H143 + 1*H146 - 1*H149 - 1*H151 - 1*H156 -
1*H159

J35 * J291 = 1*B1 + 1*B2 - 1*C6 - 1*C1 + 1*C7 - 1*D5 + 1*D6 - 1*D7 + 1*D8
- 1*E6 - 2*E8 + 1*E10 + 1*E12 - 1*E13 - 1*E15 - 1*E16 + 1*F38 - 1*F42 +
1*F43 - 1*F44 - 1*F54 + 1*F55 - 2*F56 - 1*F61 + 1*F62 - 1*F63 - 1*F0 +
1*G35 - 1*G38 + 1*G42 - 1*G43 + 1*G49 + 1*G53 - 1*G55 - 1*G62 + 2*G63 -
1*G74 - 1*G76 + 1*G80 + 1*G82 - 1*G86 - 2*G88 + 2*G92 + 1*G94 - 1*G96 -
1*H35 + 2*H38 + 1*H39 - 1*H53 + 1*H54 + 1*H64 + 1*H65 + 1*H68 + 1*H72 +
1*H74 + 1*H76 + 1*H78 + 1*H79 - 1*H80 - 1*H82 + 1*H85 + 1*H86 + 1*H88 +
1*H91 - 2*H92 - 1*H93 - 1*H95 + 1*H96 + 1*H100 - 1*H102 + 1*H103 + 1*H105

- 1*H107 + 1*H113 + 1*H114 + 1*H116 + 3*H117 + 1*H123 + 1*H124 - 1*H126 -
1*H138 - 1*H140 + 1*H141 + 1*H144 + 1*H147 - 1*H150 - 1*H152 - 1*H157 -
1*H160

J36 * J292 = 1*B2 + 1*B3 - 1*C1 - 1*C7 + 1*C4 - 1*D6 + 1*D7 - 1*D8 + 1*D9
- 1*E7 - 2*E9 + 1*E11 + 1*E13 - 1*E14 - 1*E16 - 1*E17 + 1*F39 - 1*F43 +
1*F44 - 1*F45 - 1*F55 + 1*F56 - 2*F57 - 1*F62 + 1*F63 - 1*F0 - 1*F1 +
1*G36 - 1*G39 + 1*G43 - 1*G44 + 1*G50 + 1*G54 - 1*G56 - 1*G63 + 2*G64 -
1*G75 - 1*G77 + 1*G81 + 1*G83 - 1*G87 - 2*G89 + 2*G93 + 1*G95 - 1*G97 -
1*H36 + 2*H39 + 1*H40 - 1*H54 + 1*H55 + 1*H65 + 1*H66 + 1*H69 + 1*H73 +
1*H75 + 1*H77 + 1*H79 + 1*H80 - 1*H81 - 1*H83 + 1*H86 + 1*H87 + 1*H89 +
1*H92 - 2*H93 - 1*H94 - 1*H96 + 1*H97 + 1*H101 - 1*H103 + 1*H104 + 1*H106
- 1*H108 + 1*H114 + 1*H115 + 1*H117 + 3*H118 + 1*H124 + 1*H125 - 1*H127 -
1*H139 - 1*H141 + 1*H142 + 1*H145 + 1*H148 - 1*H151 - 1*H153 - 1*H158 -
1*H161

J37 * J293 = 1*B3 + 1*B0 - 1*C7 - 1*C4 + 1*C2 - 1*D7 + 1*D8 - 1*D9 +
1*D10 - 1*E8 - 2*E10 + 1*E12 + 1*E14 - 1*E15 - 1*E17 - 1*E18 + 1*F40 -
1*F44 + 1*F45 - 1*F46 - 1*F56 + 1*F57 - 2*F58 - 1*F63 + 1*F0 - 1*F1 -
1*F2 + 1*G37 - 1*G40 + 1*G44 - 1*G45 + 1*G51 + 1*G55 - 1*G57 - 1*G64 +
2*G65 - 1*G76 - 1*G78 + 1*G82 + 1*G84 - 1*G88 - 2*G90 + 2*G94 + 1*G96 -
1*G98 - 1*H37 + 2*H40 + 1*H41 - 1*H55 + 1*H56 + 1*H66 + 1*H67 + 1*H70 +
1*H74 + 1*H76 + 1*H78 + 1*H80 + 1*H81 - 1*H82 - 1*H84 + 1*H87 + 1*H88 +
1*H90 + 1*H93 - 2*H94 - 1*H95 - 1*H97 + 1*H98 + 1*H102 - 1*H104 + 1*H105
+ 1*H107 - 1*H109 + 1*H115 + 1*H116 + 1*H118 + 3*H119 + 1*H125 + 1*H126 -
1*H128 - 1*H140 - 1*H142 + 1*H143 + 1*H146 + 1*H149 - 1*H152 - 1*H154 -
1*H159 - 1*H162

J38 * J294 = 1*B0 + 1*B1 - 1*C4 - 1*C2 + 1*C5 - 1*D8 + 1*D9 - 1*D10 +
1*D11 - 1*E9 - 2*E11 + 1*E13 + 1*E15 - 1*E16 - 1*E18 - 1*E19 + 1*F41 -
1*F45 + 1*F46 - 1*F47 - 1*F57 + 1*F58 - 2*F59 - 1*F0 + 1*F1 - 1*F2 - 1*F3
+ 1*G38 - 1*G41 + 1*G45 - 1*G46 + 1*G52 + 1*G56 - 1*G58 - 1*G65 + 2*G66 -
1*G77 - 1*G79 + 1*G83 + 1*G85 - 1*G89 - 2*G91 + 2*G95 + 1*G97 - 1*G99 -
1*H38 + 2*H41 + 1*H42 - 1*H56 + 1*H57 + 1*H67 + 1*H68 + 1*H71 + 1*H75 +
1*H77 + 1*H79 + 1*H81 + 1*H82 - 1*H83 - 1*H85 + 1*H88 + 1*H89 + 1*H91 +
1*H94 - 2*H95 - 1*H96 - 1*H98 + 1*H99 + 1*H103 - 1*H105 + 1*H106 + 1*H108
- 1*H110 + 1*H116 + 1*H117 + 1*H119 + 3*H120 + 1*H126 + 1*H127 - 1*H129 -
1*H141 - 1*H143 + 1*H144 + 1*H147 + 1*H150 - 1*H153 - 1*H155 - 1*H160 -
1*H163

J39 * J295 = 1*B1 + 1*B2 - 1*C2 - 1*C5 + 1*C3 - 1*D9 + 1*D10 - 1*D11 +
1*D12 - 1*E10 - 2*E12 + 1*E14 + 1*E16 - 1*E17 - 1*E19 - 1*E20 + 1*F42 -
1*F46 + 1*F47 - 1*F48 - 1*F58 + 1*F59 - 2*F60 - 1*F1 + 1*F2 - 1*F3 - 1*F4
+ 1*G39 - 1*G42 + 1*G46 - 1*G47 + 1*G53 + 1*G57 - 1*G59 - 1*G66 + 2*G67 -
1*G78 - 1*G80 + 1*G84 + 1*G86 - 1*G90 - 2*G92 + 2*G96 + 1*G98 - 1*G100 -
1*H39 + 2*H42 + 1*H43 - 1*H57 + 1*H58 + 1*H68 + 1*H69 + 1*H72 + 1*H76 +
1*H78 + 1*H80 + 1*H82 + 1*H83 - 1*H84 - 1*H86 + 1*H89 + 1*H90 + 1*H92 +
1*H95 - 2*H96 - 1*H97 - 1*H99 + 1*H100 + 1*H104 - 1*H106 + 1*H107 +
1*H109 - 1*H111 + 1*H117 + 1*H118 + 1*H120 + 3*H121 + 1*H127 + 1*H128 -
1*H130 - 1*H142 - 1*H144 + 1*H145 + 1*H148 + 1*H151 - 1*H154 - 1*H156 -
1*H161 - 1*H164

J40 * J296 = 1*B2 + 1*B3 - 1*C5 - 1*C3 + 1*C0 - 1*D10 + 1*D11 - 1*D12 +
1*D13 - 1*E11 - 2*E13 + 1*E15 + 1*E17 - 1*E18 - 1*E20 - 1*E21 + 1*F43 -
1*F47 + 1*F48 - 1*F49 - 1*F59 + 1*F60 - 2*F61 - 1*F2 + 1*F3 - 1*F4 - 1*F5
+ 1*G40 - 1*G43 + 1*G47 - 1*G48 + 1*G54 + 1*G58 - 1*G60 - 1*G67 + 2*G68 -
1*G79 - 1*G81 + 1*G85 + 1*G87 - 1*G91 - 2*G93 + 2*G97 + 1*G99 - 1*G101 -
1*H40 + 2*H43 + 1*H44 - 1*H58 + 1*H59 + 1*H69 + 1*H70 + 1*H73 + 1*H77 +
1*H79 + 1*H81 + 1*H83 + 1*H84 - 1*H85 - 1*H87 + 1*H90 + 1*H91 + 1*H93 +
1*H96 - 2*H97 - 1*H98 - 1*H100 + 1*H101 + 1*H105 - 1*H107 + 1*H108 +

$$1^*H110 - 1^*H112 + 1^*H118 + 1^*H119 + 1^*H121 + 3^*H122 + 1^*H128 + 1^*H129 - 1^*H131 - 1^*H143 - 1^*H145 + 1^*H146 + 1^*H149 + 1^*H152 - 1^*H155 - 1^*H157 - 1^*H162 - 1^*H165$$

$$J41 * J297 = 1^*B3 + 1^*B0 - 1^*C3 - 1^*C0 + 1^*C6 - 1^*D11 + 1^*D12 - 1^*D13 + 1^*D14 - 1^*E12 - 2^*E14 + 1^*E16 + 1^*E18 - 1^*E19 - 1^*E21 - 1^*E22 + 1^*F44 - 1^*F48 + 1^*F49 - 1^*F50 - 1^*F60 + 1^*F61 - 2^*F62 - 1^*F3 + 1^*F4 - 1^*F5 - 1^*F6 + 1^*G41 - 1^*G44 + 1^*G48 - 1^*G49 + 1^*G55 + 1^*G59 - 1^*G61 - 1^*G68 + 2^*G69 - 1^*G80 - 1^*G82 + 1^*G86 + 1^*G88 - 1^*G92 - 2^*G94 + 2^*G98 + 1^*G100 - 1^*G102 - 1^*H41 + 2^*H44 + 1^*H45 - 1^*H59 + 1^*H60 + 1^*H70 + 1^*H71 + 1^*H74 + 1^*H78 + 1^*H80 + 1^*H82 + 1^*H84 + 1^*H85 - 1^*H86 - 1^*H88 + 1^*H91 + 1^*H92 + 1^*H94 + 1^*H97 - 2^*H98 - 1^*H99 - 1^*H101 + 1^*H102 + 1^*H106 - 1^*H108 + 1^*H109 + 1^*H111 - 1^*H113 + 1^*H119 + 1^*H120 + 1^*H122 + 3^*H123 + 1^*H129 + 1^*H130 - 1^*H132 - 1^*H144 - 1^*H146 + 1^*H147 + 1^*H150 + 1^*H153 - 1^*H156 - 1^*H158 - 1^*H163 - 1^*H166$$

$$J42 * J298 = 1^*B0 + 1^*B1 - 1^*C0 - 1^*C6 + 1^*C1 - 1^*D12 + 1^*D13 - 1^*D14 + 1^*D15 - 1^*E13 - 2^*E15 + 1^*E17 + 1^*E19 - 1^*E20 - 1^*E22 - 1^*E23 + 1^*F45 - 1^*F49 + 1^*F50 - 1^*F51 - 1^*F61 + 1^*F62 - 2^*F63 - 1^*F4 + 1^*F5 - 1^*F6 - 1^*F7 + 1^*G42 - 1^*G45 + 1^*G49 - 1^*G50 + 1^*G56 + 1^*G60 - 1^*G62 - 1^*G69 + 2^*G70 - 1^*G81 - 1^*G83 + 1^*G87 + 1^*G89 - 1^*G93 - 2^*G95 + 2^*G99 + 1^*G101 - 1^*G103 - 1^*H42 + 2^*H45 + 1^*H46 - 1^*H60 + 1^*H61 + 1^*H71 + 1^*H72 + 1^*H75 + 1^*H79 + 1^*H81 + 1^*H83 + 1^*H85 + 1^*H86 - 1^*H87 - 1^*H89 + 1^*H92 + 1^*H93 + 1^*H95 + 1^*H98 - 2^*H99 - 1^*H100 - 1^*H102 + 1^*H103 + 1^*H107 - 1^*H109 + 1^*H110 + 1^*H112 - 1^*H114 + 1^*H120 + 1^*H121 + 1^*H123 + 3^*H124 + 1^*H130 + 1^*H131 - 1^*H133 - 1^*H145 - 1^*H147 + 1^*H148 + 1^*H151 + 1^*H154 - 1^*H157 - 1^*H159 - 1^*H164 - 1^*H167$$

$$J43 * J299 = 1^*B1 + 1^*B2 - 1^*C6 - 1^*C1 + 1^*C7 - 1^*D13 + 1^*D14 - 1^*D15 + 1^*D0 - 1^*E14 - 2^*E16 + 1^*E18 + 1^*E20 - 1^*E21 - 1^*E23 - 1^*E24 + 1^*F46 - 1^*F50 + 1^*F51 - 1^*F52 - 1^*F62 + 1^*F63 - 2^*F0 - 1^*F5 + 1^*F6 - 1^*F7 - 1^*F8 + 1^*G43 - 1^*G46 + 1^*G50 - 1^*G51 + 1^*G57 + 1^*G61 - 1^*G63 - 1^*G70 + 2^*G71 - 1^*G82 - 1^*G84 + 1^*G88 + 1^*G90 - 1^*G94 - 2^*G96 + 2^*G100 + 1^*G102 - 1^*G104 - 1^*H43 + 2^*H46 + 1^*H47 - 1^*H61 + 1^*H62 + 1^*H72 + 1^*H73 + 1^*H76 + 1^*H80 + 1^*H82 + 1^*H84 + 1^*H86 + 1^*H87 - 1^*H88 - 1^*H90 + 1^*H93 + 1^*H94 + 1^*H96 + 1^*H99 - 2^*H100 - 1^*H101 - 1^*H103 + 1^*H104 + 1^*H108 - 1^*H110 + 1^*H111 + 1^*H113 - 1^*H115 + 1^*H121 + 1^*H122 + 1^*H124 + 3^*H125 + 1^*H131 + 1^*H132 - 1^*H134 - 1^*H146 - 1^*H148 + 1^*H149 + 1^*H152 + 1^*H155 - 1^*H158 - 1^*H160 - 1^*H165 - 1^*H168$$

$$J44 * J300 = 1^*B2 + 1^*B3 - 1^*C1 - 1^*C7 + 1^*C4 - 1^*D14 + 1^*D15 - 1^*D0 + 1^*D1 - 1^*E15 - 2^*E17 + 1^*E19 + 1^*E21 - 1^*E22 - 1^*E24 - 1^*E25 + 1^*F47 - 1^*F51 + 1^*F52 - 1^*F53 - 1^*F63 + 1^*F0 - 2^*F1 - 1^*F6 + 1^*F7 - 1^*F8 - 1^*F9 + 1^*G44 - 1^*G47 + 1^*G51 - 1^*G52 + 1^*G58 + 1^*G62 - 1^*G64 - 1^*G71 + 2^*G72 - 1^*G83 - 1^*G85 + 1^*G89 + 1^*G91 - 1^*G95 - 2^*G97 + 2^*G101 + 1^*G103 - 1^*G105 - 1^*H44 + 2^*H47 + 1^*H48 - 1^*H62 + 1^*H63 + 1^*H73 + 1^*H74 + 1^*H77 + 1^*H81 + 1^*H83 + 1^*H85 + 1^*H87 + 1^*H88 - 1^*H89 - 1^*H91 + 1^*H94 + 1^*H95 + 1^*H97 + 1^*H100 - 2^*H101 - 1^*H102 - 1^*H104 + 1^*H105 + 1^*H109 - 1^*H111 + 1^*H112 + 1^*H114 - 1^*H116 + 1^*H122 + 1^*H123 + 1^*H125 + 3^*H126 + 1^*H132 + 1^*H133 - 1^*H135 - 1^*H147 - 1^*H149 + 1^*H150 + 1^*H153 + 1^*H156 - 1^*H159 - 1^*H161 - 1^*H166 - 1^*H169$$

$$J45 * J301 = 1^*B3 + 1^*B0 - 1^*C7 - 1^*C4 + 1^*C2 - 1^*D15 + 1^*D0 - 1^*D1 + 1^*D2 - 1^*E16 - 2^*E18 + 1^*E20 + 1^*E22 - 1^*E23 - 1^*E25 - 1^*E26 + 1^*F48 - 1^*F52 + 1^*F53 - 1^*F54 - 1^*F0 + 1^*F1 - 2^*F2 - 1^*F7 + 1^*F8 - 1^*F9 - 1^*F10 + 1^*G45 - 1^*G48 + 1^*G52 - 1^*G53 + 1^*G59 + 1^*G63 - 1^*G65 - 1^*G72 + 2^*G73 - 1^*G84 - 1^*G86 + 1^*G90 + 1^*G92 - 1^*G96 - 2^*G98 + 2^*G102 + 1^*G104 - 1^*G106 - 1^*H45 + 2^*H48 + 1^*H49 - 1^*H63 + 1^*H64 + 1^*H74 + 1^*H75 + 1^*H78 + 1^*H82 + 1^*H84 + 1^*H86 + 1^*H88 + 1^*H89 - 1^*H90 - 1^*H92 + 1^*H95 + 1^*H96 + 1^*H98 + 1^*H101 - 2^*H102 - 1^*H103 - 1^*H105 + 1^*H106 + 1^*H110 - 1^*H112 + 1^*H113 +$$

$$1*H115 - 1*H117 + 1*H123 + 1*H124 + 1*H126 + 3*H127 + 1*H133 + 1*H134 - 1*H136 - 1*H148 - 1*H150 + 1*H151 + 1*H154 + 1*H157 - 1*H160 - 1*H162 - 1*H167 - 1*H170$$

$$J46 * J302 = 1*B0 + 1*B1 - 1*C4 - 1*C2 + 1*C5 - 1*D0 + 1*D1 - 1*D2 + 1*D3 - 1*E17 - 2*E19 + 1*E21 + 1*E23 - 1*E24 - 1*E26 - 1*E27 + 1*F49 - 1*F53 + 1*F54 - 1*F55 - 1*F1 + 1*F2 - 2*F3 - 1*F8 + 1*F9 - 1*F10 - 1*F11 + 1*G46 - 1*G49 + 1*G53 - 1*G54 + 1*G60 + 1*G64 - 1*G66 - 1*G73 + 2*G74 - 1*G85 - 1*G87 + 1*G91 + 1*G93 - 1*G97 - 2*G99 + 2*G103 + 1*G105 - 1*G107 - 1*H46 + 2*H49 + 1*H50 - 1*H64 + 1*H65 + 1*H75 + 1*H76 + 1*H79 + 1*H83 + 1*H85 + 1*H87 + 1*H89 + 1*H90 - 1*H91 - 1*H93 + 1*H96 + 1*H97 + 1*H99 + 1*H102 - 2*H103 - 1*H104 - 1*H106 + 1*H107 + 1*H111 - 1*H113 + 1*H114 + 1*H116 - 1*H118 + 1*H124 + 1*H125 + 1*H127 + 3*H128 + 1*H134 + 1*H135 - 1*H137 - 1*H149 - 1*H151 + 1*H152 + 1*H155 + 1*H158 - 1*H161 - 1*H163 - 1*H168 - 1*H171$$

$$J47 * J303 = 1*B1 + 1*B2 - 1*C2 - 1*C5 + 1*C3 - 1*D1 + 1*D2 - 1*D3 + 1*D4 - 1*E18 - 2*E20 + 1*E22 + 1*E24 - 1*E25 - 1*E27 - 1*E28 + 1*F50 - 1*F54 + 1*F55 - 1*F56 - 1*F2 + 1*F3 - 2*F4 - 1*F9 + 1*F10 - 1*F11 - 1*F12 + 1*G47 - 1*G50 + 1*G54 - 1*G55 + 1*G61 + 1*G65 - 1*G67 - 1*G74 + 2*G75 - 1*G86 - 1*G88 + 1*G92 + 1*G94 - 1*G98 - 2*G100 + 2*G104 + 1*G106 - 1*G108 - 1*H47 + 2*H50 + 1*H51 - 1*H65 + 1*H66 + 1*H76 + 1*H77 + 1*H80 + 1*H84 + 1*H86 + 1*H88 + 1*H90 + 1*H91 - 1*H92 - 1*H94 + 1*H97 + 1*H98 + 1*H100 + 1*H103 - 2*H104 - 1*H105 - 1*H107 + 1*H108 + 1*H112 - 1*H114 + 1*H115 + 1*H117 - 1*H119 + 1*H125 + 1*H126 + 1*H128 + 3*H129 + 1*H135 + 1*H136 - 1*H138 - 1*H150 - 1*H152 + 1*H153 + 1*H156 + 1*H159 - 1*H162 - 1*H164 - 1*H169 - 1*H172$$

$$J48 * J304 = 1*B2 + 1*B3 - 1*C5 - 1*C3 + 1*C0 - 1*D2 + 1*D3 - 1*D4 + 1*D5 - 1*E19 - 2*E21 + 1*E23 + 1*E25 - 1*E26 - 1*E28 - 1*E29 + 1*F51 - 1*F55 + 1*F56 - 1*F57 - 1*F3 + 1*F4 - 2*F5 - 1*F10 + 1*F11 - 1*F12 - 1*F13 + 1*G48 - 1*G51 + 1*G55 - 1*G56 + 1*G62 + 1*G66 - 1*G68 - 1*G75 + 2*G76 - 1*G87 - 1*G89 + 1*G93 + 1*G95 - 1*G99 - 2*G101 + 2*G105 + 1*G107 - 1*G109 - 1*H48 + 2*H51 + 1*H52 - 1*H66 + 1*H67 + 1*H77 + 1*H78 + 1*H81 + 1*H85 + 1*H87 + 1*H89 + 1*H91 + 1*H92 - 1*H93 - 1*H95 + 1*H98 + 1*H99 + 1*H101 + 1*H104 - 2*H105 - 1*H106 - 1*H108 + 1*H109 + 1*H113 - 1*H115 + 1*H116 + 1*H118 - 1*H120 + 1*H126 + 1*H127 + 1*H129 + 3*H130 + 1*H136 + 1*H137 - 1*H139 - 1*H151 - 1*H153 + 1*H154 + 1*H157 + 1*H160 - 1*H163 - 1*H165 - 1*H170 - 1*H173$$

$$J49 * J305 = 1*B3 + 1*B0 - 1*C3 - 1*C0 + 1*C6 - 1*D3 + 1*D4 - 1*D5 + 1*D6 - 1*E20 - 2*E22 + 1*E24 + 1*E26 - 1*E27 - 1*E29 - 1*E30 + 1*F52 - 1*F56 + 1*F57 - 1*F58 - 1*F4 + 1*F5 - 2*F6 - 1*F11 + 1*F12 - 1*F13 - 1*F14 + 1*G49 - 1*G52 + 1*G56 - 1*G57 + 1*G63 + 1*G67 - 1*G69 - 1*G76 + 2*G77 - 1*G88 - 1*G90 + 1*G94 + 1*G96 - 1*G100 - 2*G102 + 2*G106 + 1*G108 - 1*G110 - 1*H49 + 2*H52 + 1*H53 - 1*H67 + 1*H68 + 1*H78 + 1*H79 + 1*H82 + 1*H86 + 1*H88 + 1*H90 + 1*H92 + 1*H93 - 1*H94 - 1*H96 + 1*H99 + 1*H100 + 1*H102 + 1*H105 - 2*H106 - 1*H107 - 1*H109 + 1*H110 + 1*H114 - 1*H116 + 1*H117 + 1*H119 - 1*H121 + 1*H127 + 1*H128 + 1*H130 + 3*H131 + 1*H137 + 1*H138 - 1*H140 - 1*H152 - 1*H154 + 1*H155 + 1*H158 + 1*H161 - 1*H164 - 1*H166 - 1*H171 - 1*H174$$

$$J50 * J306 = 1*B0 + 1*B1 - 1*C0 - 1*C6 + 1*C1 - 1*D4 + 1*D5 - 1*D6 + 1*D7 - 1*E21 - 2*E23 + 1*E25 + 1*E27 - 1*E28 - 1*E30 - 1*E31 + 1*F53 - 1*F57 + 1*F58 - 1*F59 - 1*F5 + 1*F6 - 2*F7 - 1*F12 + 1*F13 - 1*F14 - 1*F15 + 1*G50 - 1*G53 + 1*G57 - 1*G58 + 1*G64 + 1*G68 - 1*G70 - 1*G77 + 2*G78 - 1*G89 - 1*G91 + 1*G95 + 1*G97 - 1*G101 - 2*G103 + 2*G107 + 1*G109 - 1*G111 - 1*H50 + 2*H53 + 1*H54 - 1*H68 + 1*H69 + 1*H79 + 1*H80 + 1*H83 + 1*H87 + 1*H89 + 1*H91 + 1*H93 + 1*H94 - 1*H95 - 1*H97 + 1*H100 + 1*H101 + 1*H103 + 1*H106 - 2*H107 - 1*H108 - 1*H110 + 1*H111 + 1*H115 - 1*H117 +$$

1*H118 + 1*H120 - 1*H122 + 1*H128 + 1*H129 + 1*H131 + 3*H132 + 1*H138 +
1*H139 - 1*H141 - 1*H153 - 1*H155 + 1*H156 + 1*H159 + 1*H162 - 1*H165 -
1*H167 - 1*H172 - 1*H175

J51 * J307 = 1*B1 + 1*B2 - 1*C6 - 1*C1 + 1*C7 - 1*D5 + 1*D6 - 1*D7 + 1*D8
- 1*E22 - 2*E24 + 1*E26 + 1*E28 - 1*E29 - 1*E31 - 1*E0 + 1*F54 - 1*F58 +
1*F59 - 1*F60 - 1*F6 + 1*F7 - 2*F8 - 1*F13 + 1*F14 - 1*F15 - 1*F16 +
1*G51 - 1*G54 + 1*G58 - 1*G59 + 1*G65 + 1*G69 - 1*G71 - 1*G78 + 2*G79 -
1*G90 - 1*G92 + 1*G96 + 1*G98 - 1*G102 - 2*G104 + 2*G108 + 1*G110 -
1*G112 - 1*H51 + 2*H54 + 1*H55 - 1*H69 + 1*H70 + 1*H80 + 1*H81 + 1*H84 +
1*H88 + 1*H90 + 1*H92 + 1*H94 + 1*H95 - 1*H96 - 1*H98 + 1*H101 + 1*H102 +
1*H104 + 1*H107 - 2*H108 - 1*H109 - 1*H111 + 1*H112 + 1*H116 - 1*H118 +
1*H119 + 1*H121 - 1*H123 + 1*H129 + 1*H130 + 1*H132 + 3*H133 + 1*H139 +
1*H140 - 1*H142 - 1*H154 - 1*H156 + 1*H157 + 1*H160 + 1*H163 - 1*H166 -
1*H168 - 1*H173 - 1*H176

J52 * J308 = 1*B2 + 1*B3 - 1*C1 - 1*C7 + 1*C4 - 1*D6 + 1*D7 - 1*D8 + 1*D9
- 1*E23 - 2*E25 + 1*E27 + 1*E29 - 1*E30 - 1*E0 - 1*E1 + 1*F55 - 1*F59 +
1*F60 - 1*F61 - 1*F7 + 1*F8 - 2*F9 - 1*F14 + 1*F15 - 1*F16 - 1*F17 +
1*G52 - 1*G55 + 1*G59 - 1*G60 + 1*G66 + 1*G70 - 1*G72 - 1*G79 + 2*G80 -
1*G91 - 1*G93 + 1*G97 + 1*G99 - 1*G103 - 2*G105 + 2*G109 + 1*G111 -
1*G113 - 1*H52 + 2*H55 + 1*H56 - 1*H70 + 1*H71 + 1*H81 + 1*H82 + 1*H85 +
1*H89 + 1*H91 + 1*H93 + 1*H95 + 1*H96 - 1*H97 - 1*H99 + 1*H102 + 1*H103 +
1*H105 + 1*H108 - 2*H109 - 1*H110 - 1*H112 + 1*H113 + 1*H117 - 1*H119 +
1*H120 + 1*H122 - 1*H124 + 1*H130 + 1*H131 + 1*H133 + 3*H134 + 1*H140 +
1*H141 - 1*H143 - 1*H155 - 1*H157 + 1*H158 + 1*H161 + 1*H164 - 1*H167 -
1*H169 - 1*H174 - 1*H177

J53 * J309 = 1*B3 + 1*B0 - 1*C7 - 1*C4 + 1*C2 - 1*D7 + 1*D8 - 1*D9 +
1*D10 - 1*E24 - 2*E26 + 1*E28 + 1*E30 - 1*E31 - 1*E1 - 1*E2 + 1*F56 -
1*F60 + 1*F61 - 1*F62 - 1*F8 + 1*F9 - 2*F10 - 1*F15 + 1*F16 - 1*F17 -
1*F18 + 1*G53 - 1*G56 + 1*G60 - 1*G61 + 1*G67 + 1*G71 - 1*G73 - 1*G80 +
2*G81 - 1*G92 - 1*G94 + 1*G98 + 1*G100 - 1*G104 - 2*G106 + 2*G110 +
1*G112 - 1*G114 - 1*H53 + 2*H56 + 1*H57 - 1*H71 + 1*H72 + 1*H82 + 1*H83 +
1*H86 + 1*H90 + 1*H92 + 1*H94 + 1*H96 + 1*H97 - 1*H98 - 1*H100 + 1*H103 +
1*H104 + 1*H106 + 1*H109 - 2*H110 - 1*H111 - 1*H113 + 1*H114 + 1*H118 -
1*H120 + 1*H121 + 1*H123 - 1*H125 + 1*H131 + 1*H132 + 1*H134 + 3*H135 +
1*H141 + 1*H142 - 1*H144 - 1*H156 - 1*H158 + 1*H159 + 1*H162 + 1*H165 -
1*H168 - 1*H170 - 1*H175 - 1*H178

J54 * J310 = 1*B0 + 1*B1 - 1*C4 - 1*C2 + 1*C5 - 1*D8 + 1*D9 - 1*D10 +
1*D11 - 1*E25 - 2*E27 + 1*E29 + 1*E31 - 1*E0 - 1*E2 - 1*E3 + 1*F57 -
1*F61 + 1*F62 - 1*F63 - 1*F9 + 1*F10 - 2*F11 - 1*F16 + 1*F17 - 1*F18 -
1*F19 + 1*G54 - 1*G57 + 1*G61 - 1*G62 + 1*G68 + 1*G72 - 1*G74 - 1*G81 +
2*G82 - 1*G93 - 1*G95 + 1*G99 + 1*G101 - 1*G105 - 2*G107 + 2*G111 +
1*G113 - 1*G115 - 1*H54 + 2*H57 + 1*H58 - 1*H72 + 1*H73 + 1*H83 + 1*H84 +
1*H87 + 1*H91 + 1*H93 + 1*H95 + 1*H97 + 1*H98 - 1*H99 - 1*H101 + 1*H104 +
1*H105 + 1*H107 + 1*H110 - 2*H111 - 1*H112 - 1*H114 + 1*H115 + 1*H119 -
1*H121 + 1*H122 + 1*H124 - 1*H126 + 1*H132 + 1*H133 + 1*H135 + 3*H136 +
1*H142 + 1*H143 - 1*H145 - 1*H157 - 1*H159 + 1*H160 + 1*H163 + 1*H166 -
1*H169 - 1*H171 - 1*H176 - 1*H179

J55 * J311 = 1*B1 + 1*B2 - 1*C2 - 1*C5 + 1*C3 - 1*D9 + 1*D10 - 1*D11 +
1*D12 - 1*E26 - 2*E28 + 1*E30 + 1*E0 - 1*E1 - 1*E3 - 1*E4 + 1*F58 - 1*F62
+ 1*F63 - 1*F0 - 1*F10 + 1*F11 - 2*F12 - 1*F17 + 1*F18 - 1*F19 - 1*F20 +
1*G55 - 1*G58 + 1*G62 - 1*G63 + 1*G69 + 1*G73 - 1*G75 - 1*G82 + 2*G83 -
1*G94 - 1*G96 + 1*G100 + 1*G102 - 1*G106 - 2*G108 + 2*G112 + 1*G114 -
1*G116 - 1*H55 + 2*H58 + 1*H59 - 1*H73 + 1*H74 + 1*H84 + 1*H85 + 1*H88 +
1*H92 + 1*H94 + 1*H96 + 1*H98 + 1*H99 - 1*H100 - 1*H102 + 1*H105 + 1*H106
+ 1*H108 + 1*H111 - 2*H112 - 1*H113 - 1*H115 + 1*H116 + 1*H120 - 1*H122 +

$$1^*H123 + 1^*H125 - 1^*H127 + 1^*H133 + 1^*H134 + 1^*H136 + 3^*H137 + 1^*H143 + 1^*H144 - 1^*H146 - 1^*H158 - 1^*H160 + 1^*H161 + 1^*H164 + 1^*H167 - 1^*H170 - 1^*H172 - 1^*H177 - 1^*H180$$

$$J56 * J312 = 1^*B2 + 1^*B3 - 1^*C5 - 1^*C3 + 1^*C0 - 1^*D10 + 1^*D11 - 1^*D12 + 1^*D13 - 1^*E27 - 2^*E29 + 1^*E31 + 1^*E1 - 1^*E2 - 1^*E4 - 1^*E5 + 1^*F59 - 1^*F63 + 1^*F0 - 1^*F1 - 1^*F11 + 1^*F12 - 2^*F13 - 1^*F18 + 1^*F19 - 1^*F20 - 1^*F21 + 1^*G56 - 1^*G59 + 1^*G63 - 1^*G64 + 1^*G70 + 1^*G74 - 1^*G76 - 1^*G83 + 2^*G84 - 1^*G95 - 1^*G97 + 1^*G101 + 1^*G103 - 1^*G107 - 2^*G109 + 2^*G113 + 1^*G115 - 1^*G117 - 1^*H56 + 2^*H59 + 1^*H60 - 1^*H74 + 1^*H75 + 1^*H85 + 1^*H86 + 1^*H89 + 1^*H93 + 1^*H95 + 1^*H97 + 1^*H99 + 1^*H100 - 1^*H101 - 1^*H103 + 1^*H106 + 1^*H107 + 1^*H109 + 1^*H112 - 2^*H113 - 1^*H114 - 1^*H116 + 1^*H117 + 1^*H121 - 1^*H123 + 1^*H124 + 1^*H126 - 1^*H128 + 1^*H134 + 1^*H135 + 1^*H137 + 3^*H138 + 1^*H144 + 1^*H145 - 1^*H147 - 1^*H159 - 1^*H161 + 1^*H162 + 1^*H165 + 1^*H168 - 1^*H171 - 1^*H173 - 1^*H178 - 1^*H181$$

$$J57 * J313 = 1^*B3 + 1^*B0 - 1^*C3 - 1^*C0 + 1^*C6 - 1^*D11 + 1^*D12 - 1^*D13 + 1^*D14 - 1^*E28 - 2^*E30 + 1^*E0 + 1^*E2 - 1^*E3 - 1^*E5 - 1^*E6 + 1^*F60 - 1^*F0 + 1^*F1 - 1^*F2 - 1^*F12 + 1^*F13 - 2^*F14 - 1^*F19 + 1^*F20 - 1^*F21 - 1^*F22 + 1^*G57 - 1^*G60 + 1^*G64 - 1^*G65 + 1^*G71 + 1^*G75 - 1^*G77 - 1^*G84 + 2^*G85 - 1^*G96 - 1^*G98 + 1^*G102 + 1^*G104 - 1^*G108 - 2^*G110 + 2^*G114 + 1^*G116 - 1^*G118 - 1^*H57 + 2^*H60 + 1^*H61 - 1^*H75 + 1^*H76 + 1^*H86 + 1^*H87 + 1^*H90 + 1^*H94 + 1^*H96 + 1^*H98 + 1^*H100 + 1^*H101 - 1^*H102 - 1^*H104 + 1^*H107 + 1^*H108 + 1^*H110 + 1^*H113 - 2^*H114 - 1^*H115 - 1^*H117 + 1^*H118 + 1^*H122 - 1^*H124 + 1^*H125 + 1^*H127 - 1^*H129 + 1^*H135 + 1^*H136 + 1^*H138 + 3^*H139 + 1^*H145 + 1^*H146 - 1^*H148 - 1^*H160 - 1^*H162 + 1^*H163 + 1^*H166 + 1^*H169 - 1^*H172 - 1^*H174 - 1^*H179 - 1^*H182$$

$$J58 * J314 = 1^*B0 + 1^*B1 - 1^*C0 - 1^*C6 + 1^*C1 - 1^*D12 + 1^*D13 - 1^*D14 + 1^*D15 - 1^*E29 - 2^*E31 + 1^*E1 + 1^*E3 - 1^*E4 - 1^*E6 - 1^*E7 + 1^*F61 - 1^*F1 + 1^*F2 - 1^*F3 - 1^*F13 + 1^*F14 - 2^*F15 - 1^*F20 + 1^*F21 - 1^*F22 - 1^*F23 + 1^*G58 - 1^*G61 + 1^*G65 - 1^*G66 + 1^*G72 + 1^*G76 - 1^*G78 - 1^*G85 + 2^*G86 - 1^*G97 - 1^*G99 + 1^*G103 + 1^*G105 - 1^*G109 - 2^*G111 + 2^*G115 + 1^*G117 - 1^*G119 - 1^*H58 + 2^*H61 + 1^*H62 - 1^*H76 + 1^*H77 + 1^*H87 + 1^*H88 + 1^*H91 + 1^*H95 + 1^*H97 + 1^*H99 + 1^*H101 + 1^*H102 - 1^*H103 - 1^*H105 + 1^*H108 + 1^*H109 + 1^*H111 + 1^*H114 - 2^*H115 - 1^*H116 - 1^*H118 + 1^*H119 + 1^*H123 - 1^*H125 + 1^*H126 + 1^*H128 - 1^*H130 + 1^*H136 + 1^*H137 + 1^*H139 + 3^*H140 + 1^*H146 + 1^*H147 - 1^*H149 - 1^*H161 - 1^*H163 + 1^*H164 + 1^*H167 + 1^*H170 - 1^*H173 - 1^*H175 - 1^*H180 - 1^*H183$$

$$J59 * J315 = 1^*B1 + 1^*B2 - 1^*C6 - 1^*C1 + 1^*C7 - 1^*D13 + 1^*D14 - 1^*D15 + 1^*D0 - 1^*E30 - 2^*E0 + 1^*E2 + 1^*E4 - 1^*E5 - 1^*E7 - 1^*E8 + 1^*F62 - 1^*F2 + 1^*F3 - 1^*F4 - 1^*F14 + 1^*F15 - 2^*F16 - 1^*F21 + 1^*F22 - 1^*F23 - 1^*F24 + 1^*G59 - 1^*G62 + 1^*G66 - 1^*G67 + 1^*G73 + 1^*G77 - 1^*G79 - 1^*G86 + 2^*G87 - 1^*G98 - 1^*G100 + 1^*G104 + 1^*G106 - 1^*G110 - 2^*G112 + 2^*G116 + 1^*G118 - 1^*G120 - 1^*H59 + 2^*H62 + 1^*H63 - 1^*H77 + 1^*H78 + 1^*H88 + 1^*H89 + 1^*H92 + 1^*H96 + 1^*H98 + 1^*H100 + 1^*H102 + 1^*H103 - 1^*H104 - 1^*H106 + 1^*H109 + 1^*H110 + 1^*H112 + 1^*H115 - 2^*H116 - 1^*H117 - 1^*H119 + 1^*H120 + 1^*H124 - 1^*H126 + 1^*H127 + 1^*H129 - 1^*H131 + 1^*H137 + 1^*H138 + 1^*H140 + 3^*H141 + 1^*H147 + 1^*H148 - 1^*H150 - 1^*H162 - 1^*H164 + 1^*H165 + 1^*H168 + 1^*H171 - 1^*H174 - 1^*H176 - 1^*H181 - 1^*H184$$

$$J60 * J316 = 1^*B2 + 1^*B3 - 1^*C1 - 1^*C7 + 1^*C4 - 1^*D14 + 1^*D15 - 1^*D0 + 1^*D1 - 1^*E31 - 2^*E1 + 1^*E3 + 1^*E5 - 1^*E6 - 1^*E8 - 1^*E9 + 1^*F63 - 1^*F3 + 1^*F4 - 1^*F5 - 1^*F15 + 1^*F16 - 2^*F17 - 1^*F22 + 1^*F23 - 1^*F24 - 1^*F25 + 1^*G60 - 1^*G63 + 1^*G67 - 1^*G68 + 1^*G74 + 1^*G78 - 1^*G80 - 1^*G87 + 2^*G88 - 1^*G99 - 1^*G101 + 1^*G105 + 1^*G107 - 1^*G111 - 2^*G113 + 2^*G117 + 1^*G119 - 1^*G121 - 1^*H60 + 2^*H63 + 1^*H64 - 1^*H78 + 1^*H79 + 1^*H89 + 1^*H90 + 1^*H93 + 1^*H97 + 1^*H99 + 1^*H101 + 1^*H103 + 1^*H104 - 1^*H105 - 1^*H107 + 1^*H110 + 1^*H111 + 1^*H113 + 1^*H116 - 2^*H117 - 1^*H118 - 1^*H120 + 1^*H121 + 1^*H125 -$$

$$1*H127 + 1*H128 + 1*H130 - 1*H132 + 1*H138 + 1*H139 + 1*H141 + 3*H142 + 1*H148 + 1*H149 - 1*H151 - 1*H163 - 1*H165 + 1*H166 + 1*H169 + 1*H172 - 1*H175 - 1*H177 - 1*H182 - 1*H185$$

$$J61 * J317 = 1*B3 + 1*B0 - 1*C7 - 1*C4 + 1*C2 - 1*D15 + 1*D0 - 1*D1 + 1*D2 - 1*E0 - 2*E2 + 1*E4 + 1*E6 - 1*E7 - 1*E9 - 1*E10 + 1*F0 - 1*F4 + 1*F5 - 1*F6 - 1*F16 + 1*F17 - 2*F18 - 1*F23 + 1*F24 - 1*F25 - 1*F26 + 1*G61 - 1*G64 + 1*G68 - 1*G69 + 1*G75 + 1*G79 - 1*G81 - 1*G88 + 2*G89 - 1*G100 - 1*G102 + 1*G106 + 1*G108 - 1*G112 - 2*G114 + 2*G118 + 1*G120 - 1*G122 - 1*H61 + 2*H64 + 1*H65 - 1*H79 + 1*H80 + 1*H90 + 1*H91 + 1*H94 + 1*H98 + 1*H100 + 1*H102 + 1*H104 + 1*H105 - 1*H106 - 1*H108 + 1*H111 + 1*H112 + 1*H114 + 1*H117 - 2*H118 - 1*H119 - 1*H121 + 1*H122 + 1*H126 - 1*H128 + 1*H129 + 1*H131 - 1*H133 + 1*H139 + 1*H140 + 1*H142 + 3*H143 + 1*H149 + 1*H150 - 1*H152 - 1*H164 - 1*H166 + 1*H167 + 1*H170 + 1*H173 - 1*H176 - 1*H178 - 1*H183 - 1*H186$$

$$J62 * J318 = 1*B0 + 1*B1 - 1*C4 - 1*C2 + 1*C5 - 1*D0 + 1*D1 - 1*D2 + 1*D3 - 1*E1 - 2*E3 + 1*E5 + 1*E7 - 1*E8 - 1*E10 - 1*E11 + 1*F1 - 1*F5 + 1*F6 - 1*F7 - 1*F17 + 1*F18 - 2*F19 - 1*F24 + 1*F25 - 1*F26 - 1*F27 + 1*G62 - 1*G65 + 1*G69 - 1*G70 + 1*G76 + 1*G80 - 1*G82 - 1*G89 + 2*G90 - 1*G101 - 1*G103 + 1*G107 + 1*G109 - 1*G113 - 2*G115 + 2*G119 + 1*G121 - 1*G123 - 1*H62 + 2*H65 + 1*H66 - 1*H80 + 1*H81 + 1*H91 + 1*H92 + 1*H95 + 1*H99 + 1*H101 + 1*H103 + 1*H105 + 1*H106 - 1*H107 - 1*H109 + 1*H112 + 1*H113 + 1*H115 + 1*H118 - 2*H119 - 1*H120 - 1*H122 + 1*H123 + 1*H127 - 1*H129 + 1*H130 + 1*H132 - 1*H134 + 1*H140 + 1*H141 + 1*H143 + 3*H144 + 1*H150 + 1*H151 - 1*H153 - 1*H165 - 1*H167 + 1*H168 + 1*H171 + 1*H174 - 1*H177 - 1*H179 - 1*H184 - 1*H187$$

$$J63 * J319 = 1*B1 + 1*B2 - 1*C2 - 1*C5 + 1*C3 - 1*D1 + 1*D2 - 1*D3 + 1*D4 - 1*E2 - 2*E4 + 1*E6 + 1*E8 - 1*E9 - 1*E11 - 1*E12 + 1*F2 - 1*F6 + 1*F7 - 1*F8 - 1*F18 + 1*F19 - 2*F20 - 1*F25 + 1*F26 - 1*F27 - 1*F28 + 1*G63 - 1*G66 + 1*G70 - 1*G71 + 1*G77 + 1*G81 - 1*G83 - 1*G90 + 2*G91 - 1*G102 - 1*G104 + 1*G108 + 1*G110 - 1*G114 - 2*G116 + 2*G120 + 1*G122 - 1*G124 - 1*H63 + 2*H66 + 1*H67 - 1*H81 + 1*H82 + 1*H92 + 1*H93 + 1*H96 + 1*H100 + 1*H102 + 1*H104 + 1*H106 + 1*H107 - 1*H108 - 1*H110 + 1*H113 + 1*H114 + 1*H116 + 1*H119 - 2*H120 - 1*H121 - 1*H123 + 1*H124 + 1*H128 - 1*H130 + 1*H131 + 1*H133 - 1*H135 + 1*H141 + 1*H142 + 1*H144 + 3*H145 + 1*H151 + 1*H152 - 1*H154 - 1*H166 - 1*H168 + 1*H169 + 1*H172 + 1*H175 - 1*H178 - 1*H180 - 1*H185 - 1*H188$$

$$J64 * J320 = 1*B2 + 1*B3 - 1*C5 - 1*C3 + 1*C0 - 1*D2 + 1*D3 - 1*D4 + 1*D5 - 1*E3 - 2*E5 + 1*E7 + 1*E9 - 1*E10 - 1*E12 - 1*E13 + 1*F3 - 1*F7 + 1*F8 - 1*F9 - 1*F19 + 1*F20 - 2*F21 - 1*F26 + 1*F27 - 1*F28 - 1*F29 + 1*G64 - 1*G67 + 1*G71 - 1*G72 + 1*G78 + 1*G82 - 1*G84 - 1*G91 + 2*G92 - 1*G103 - 1*G105 + 1*G109 + 1*G111 - 1*G115 - 2*G117 + 2*G121 + 1*G123 - 1*G125 - 1*H64 + 2*H67 + 1*H68 - 1*H82 + 1*H83 + 1*H93 + 1*H94 + 1*H97 + 1*H101 + 1*H103 + 1*H105 + 1*H107 + 1*H108 - 1*H109 - 1*H111 + 1*H114 + 1*H115 + 1*H117 + 1*H120 - 2*H121 - 1*H122 - 1*H124 + 1*H125 + 1*H129 - 1*H131 + 1*H132 + 1*H134 - 1*H136 + 1*H142 + 1*H143 + 1*H145 + 3*H146 + 1*H152 + 1*H153 - 1*H155 - 1*H167 - 1*H169 + 1*H170 + 1*H173 + 1*H176 - 1*H179 - 1*H181 - 1*H186 - 1*H189$$

$$J65 * J321 = 1*B3 + 1*B0 - 1*C3 - 1*C0 + 1*C6 - 1*D3 + 1*D4 - 1*D5 + 1*D6 - 1*E4 - 2*E6 + 1*E8 + 1*E10 - 1*E11 - 1*E13 - 1*E14 + 1*F4 - 1*F8 + 1*F9 - 1*F10 - 1*F20 + 1*F21 - 2*F22 - 1*F27 + 1*F28 - 1*F29 - 1*F30 + 1*G65 - 1*G68 + 1*G72 - 1*G73 + 1*G79 + 1*G83 - 1*G85 - 1*G92 + 2*G93 - 1*G104 - 1*G106 + 1*G110 + 1*G112 - 1*G116 - 2*G118 + 2*G122 + 1*G124 - 1*G126 - 1*H65 + 2*H68 + 1*H69 - 1*H83 + 1*H84 + 1*H94 + 1*H95 + 1*H98 + 1*H102 + 1*H104 + 1*H106 + 1*H108 + 1*H109 - 1*H110 - 1*H112 + 1*H115 + 1*H116 +$$

$$\begin{aligned}
& 1*H118 + 1*H121 - 2*H122 - 1*H123 - 1*H125 + 1*H126 + 1*H130 - 1*H132 + \\
& 1*H133 + 1*H135 - 1*H137 + 1*H143 + 1*H144 + 1*H146 + 3*H147 + 1*H153 + \\
& 1*H154 - 1*H156 - 1*H168 - 1*H170 + 1*H171 + 1*H174 + 1*H177 - 1*H180 - \\
& 1*H182 - 1*H187 - 1*H190
\end{aligned}$$

$$\begin{aligned}
J66 * J322 = & 1*B0 + 1*B1 - 1*C0 - 1*C6 + 1*C1 - 1*D4 + 1*D5 - 1*D6 + 1*D7 \\
& - 1*E5 - 2*E7 + 1*E9 + 1*E11 - 1*E12 - 1*E14 - 1*E15 + 1*F5 - 1*F9 + \\
& 1*F10 - 1*F11 - 1*F21 + 1*F22 - 2*F23 - 1*F28 + 1*F29 - 1*F30 - 1*F31 + \\
& 1*G66 - 1*G69 + 1*G73 - 1*G74 + 1*G80 + 1*G84 - 1*G86 - 1*G93 + 2*G94 - \\
& 1*G105 - 1*G107 + 1*G111 + 1*G113 - 1*G117 - 2*G119 + 2*G123 + 1*G125 - \\
& 1*G127 - 1*H66 + 2*H69 + 1*H70 - 1*H84 + 1*H85 + 1*H95 + 1*H96 + 1*H99 + \\
& 1*H103 + 1*H105 + 1*H107 + 1*H109 + 1*H110 - 1*H111 - 1*H113 + 1*H116 + \\
& 1*H117 + 1*H119 + 1*H122 - 2*H123 - 1*H124 - 1*H126 + 1*H127 + 1*H131 - \\
& 1*H133 + 1*H134 + 1*H136 - 1*H138 + 1*H144 + 1*H145 + 1*H147 + 3*H148 + \\
& 1*H154 + 1*H155 - 1*H157 - 1*H169 - 1*H171 + 1*H172 + 1*H175 + 1*H178 - \\
& 1*H181 - 1*H183 - 1*H188 - 1*H191
\end{aligned}$$

$$\begin{aligned}
J67 * J323 = & 1*B1 + 1*B2 - 1*C6 - 1*C1 + 1*C7 - 1*D5 + 1*D6 - 1*D7 + 1*D8 \\
& - 1*E6 - 2*E8 + 1*E10 + 1*E12 - 1*E13 - 1*E15 - 1*E16 + 1*F6 - 1*F10 + \\
& 1*F11 - 1*F12 - 1*F22 + 1*F23 - 2*F24 - 1*F29 + 1*F30 - 1*F31 - 1*F32 + \\
& 1*G67 - 1*G70 + 1*G74 - 1*G75 + 1*G81 + 1*G85 - 1*G87 - 1*G94 + 2*G95 - \\
& 1*G106 - 1*G108 + 1*G112 + 1*G114 - 1*G118 - 2*G120 + 2*G124 + 1*G126 - \\
& 1*G0 - 1*H67 + 2*H70 + 1*H71 - 1*H85 + 1*H86 + 1*H96 + 1*H97 + 1*H100 + \\
& 1*H104 + 1*H106 + 1*H108 + 1*H110 + 1*H111 - 1*H112 - 1*H114 + 1*H117 + \\
& 1*H118 + 1*H120 + 1*H123 - 2*H124 - 1*H125 - 1*H127 + 1*H128 + 1*H132 - \\
& 1*H134 + 1*H135 + 1*H137 - 1*H139 + 1*H145 + 1*H146 + 1*H148 + 3*H149 + \\
& 1*H155 + 1*H156 - 1*H158 - 1*H170 - 1*H172 + 1*H173 + 1*H176 + 1*H179 - \\
& 1*H182 - 1*H184 - 1*H189 - 1*H192
\end{aligned}$$

$$\begin{aligned}
J68 * J324 = & 1*B2 + 1*B3 - 1*C1 - 1*C7 + 1*C4 - 1*D6 + 1*D7 - 1*D8 + 1*D9 \\
& - 1*E7 - 2*E9 + 1*E11 + 1*E13 - 1*E14 - 1*E16 - 1*E17 + 1*F7 - 1*F11 + \\
& 1*F12 - 1*F13 - 1*F23 + 1*F24 - 2*F25 - 1*F30 + 1*F31 - 1*F32 - 1*F33 + \\
& 1*G68 - 1*G71 + 1*G75 - 1*G76 + 1*G82 + 1*G86 - 1*G88 - 1*G95 + 2*G96 - \\
& 1*G107 - 1*G109 + 1*G113 + 1*G115 - 1*G119 - 2*G121 + 2*G125 + 1*G127 - \\
& 1*G1 - 1*H68 + 2*H71 + 1*H72 - 1*H86 + 1*H87 + 1*H97 + 1*H98 + 1*H101 + \\
& 1*H105 + 1*H107 + 1*H109 + 1*H111 + 1*H112 - 1*H113 - 1*H115 + 1*H118 + \\
& 1*H119 + 1*H121 + 1*H124 - 2*H125 - 1*H126 - 1*H128 + 1*H129 + 1*H133 - \\
& 1*H135 + 1*H136 + 1*H138 - 1*H140 + 1*H146 + 1*H147 + 1*H149 + 3*H150 + \\
& 1*H156 + 1*H157 - 1*H159 - 1*H171 - 1*H173 + 1*H174 + 1*H177 + 1*H180 - \\
& 1*H183 - 1*H185 - 1*H190 - 1*H193
\end{aligned}$$

$$\begin{aligned}
J69 * J325 = & 1*B3 + 1*B0 - 1*C7 - 1*C4 + 1*C2 - 1*D7 + 1*D8 - 1*D9 + \\
& 1*D10 - 1*E8 - 2*E10 + 1*E12 + 1*E14 - 1*E15 - 1*E17 - 1*E18 + 1*F8 - \\
& 1*F12 + 1*F13 - 1*F14 - 1*F24 + 1*F25 - 2*F26 - 1*F31 + 1*F32 - 1*F33 - \\
& 1*F34 + 1*G69 - 1*G72 + 1*G76 - 1*G77 + 1*G83 + 1*G87 - 1*G89 - 1*G96 + \\
& 2*G97 - 1*G108 - 1*G110 + 1*G114 + 1*G116 - 1*G120 - 2*G122 + 2*G126 + \\
& 1*G0 - 1*G2 - 1*H69 + 2*H72 + 1*H73 - 1*H87 + 1*H88 + 1*H98 + 1*H99 + \\
& 1*H102 + 1*H106 + 1*H108 + 1*H110 + 1*H112 + 1*H113 - 1*H114 - 1*H116 + \\
& 1*H119 + 1*H120 + 1*H122 + 1*H125 - 2*H126 - 1*H127 - 1*H129 + 1*H130 + \\
& 1*H134 - 1*H136 + 1*H137 + 1*H139 - 1*H141 + 1*H147 + 1*H148 + 1*H150 + \\
& 3*H151 + 1*H157 + 1*H158 - 1*H160 - 1*H172 - 1*H174 + 1*H175 + 1*H178 + \\
& 1*H181 - 1*H184 - 1*H186 - 1*H191 - 1*H194
\end{aligned}$$

$$\begin{aligned}
J70 * J326 = & 1*B0 + 1*B1 - 1*C4 - 1*C2 + 1*C5 - 1*D8 + 1*D9 - 1*D10 + \\
& 1*D11 - 1*E9 - 2*E11 + 1*E13 + 1*E15 - 1*E16 - 1*E18 - 1*E19 + 1*F9 - \\
& 1*F13 + 1*F14 - 1*F15 - 1*F25 + 1*F26 - 2*F27 - 1*F32 + 1*F33 - 1*F34 - \\
& 1*F35 + 1*G70 - 1*G73 + 1*G77 - 1*G78 + 1*G84 + 1*G88 - 1*G90 - 1*G97 + \\
& 2*G98 - 1*G109 - 1*G111 + 1*G115 + 1*G117 - 1*G121 - 2*G123 + 2*G127 + \\
& 1*G1 - 1*G3 - 1*H70 + 2*H73 + 1*H74 - 1*H88 + 1*H89 + 1*H99 + 1*H100 + \\
& 1*H103 + 1*H107 + 1*H109 + 1*H111 + 1*H113 + 1*H114 - 1*H115 - 1*H117 +
\end{aligned}$$

1*H120 + 1*H121 + 1*H123 + 1*H126 - 2*H127 - 1*H128 - 1*H130 + 1*H131 +
1*H135 - 1*H137 + 1*H138 + 1*H140 - 1*H142 + 1*H148 + 1*H149 + 1*H151 +
3*H152 + 1*H158 + 1*H159 - 1*H161 - 1*H173 - 1*H175 + 1*H176 + 1*H179 +
1*H182 - 1*H185 - 1*H187 - 1*H192 - 1*H195

J71 * J327 = 1*B1 + 1*B2 - 1*C2 - 1*C5 + 1*C3 - 1*D9 + 1*D10 - 1*D11 +
1*D12 - 1*E10 - 2*E12 + 1*E14 + 1*E16 - 1*E17 - 1*E19 - 1*E20 + 1*F10 -
1*F14 + 1*F15 - 1*F16 - 1*F26 + 1*F27 - 2*F28 - 1*F33 + 1*F34 - 1*F35 -
1*F36 + 1*G71 - 1*G74 + 1*G78 - 1*G79 + 1*G85 + 1*G89 - 1*G91 - 1*G98 +
2*G99 - 1*G110 - 1*G112 + 1*G116 + 1*G118 - 1*G122 - 2*G124 + 2*G0 + 1*G2
- 1*G4 - 1*H71 + 2*H74 + 1*H75 - 1*H89 + 1*H90 + 1*H100 + 1*H101 + 1*H104
+ 1*H108 + 1*H110 + 1*H112 + 1*H114 + 1*H115 - 1*H116 - 1*H118 + 1*H121 +
1*H122 + 1*H124 + 1*H127 - 2*H128 - 1*H129 - 1*H131 + 1*H132 + 1*H136 -
1*H138 + 1*H139 + 1*H141 - 1*H143 + 1*H149 + 1*H150 + 1*H152 + 3*H153 +
1*H159 + 1*H160 - 1*H162 - 1*H174 - 1*H176 + 1*H177 + 1*H180 + 1*H183 -
1*H186 - 1*H188 - 1*H193 - 1*H196

J72 * J328 = 1*B2 + 1*B3 - 1*C5 - 1*C3 + 1*C0 - 1*D10 + 1*D11 - 1*D12 +
1*D13 - 1*E11 - 2*E13 + 1*E15 + 1*E17 - 1*E18 - 1*E20 - 1*E21 + 1*F11 -
1*F15 + 1*F16 - 1*F17 - 1*F27 + 1*F28 - 2*F29 - 1*F34 + 1*F35 - 1*F36 -
1*F37 + 1*G72 - 1*G75 + 1*G79 - 1*G80 + 1*G86 + 1*G90 - 1*G92 - 1*G99 +
2*G100 - 1*G111 - 1*G113 + 1*G117 + 1*G119 - 1*G123 - 2*G125 + 2*G1 +
1*G3 - 1*G5 - 1*H72 + 2*H75 + 1*H76 - 1*H90 + 1*H91 + 1*H101 + 1*H102 +
1*H105 + 1*H109 + 1*H111 + 1*H113 + 1*H115 + 1*H116 - 1*H117 - 1*H119 +
1*H122 + 1*H123 + 1*H125 + 1*H128 - 2*H129 - 1*H130 - 1*H132 + 1*H133 +
1*H137 - 1*H139 + 1*H140 + 1*H142 - 1*H144 + 1*H150 + 1*H151 + 1*H153 +
3*H154 + 1*H160 + 1*H161 - 1*H163 - 1*H175 - 1*H177 + 1*H178 + 1*H181 +
1*H184 - 1*H187 - 1*H189 - 1*H194 - 1*H197

J73 * J329 = 1*B3 + 1*B0 - 1*C3 - 1*C0 + 1*C6 - 1*D11 + 1*D12 - 1*D13 +
1*D14 - 1*E12 - 2*E14 + 1*E16 + 1*E18 - 1*E19 - 1*E21 - 1*E22 + 1*F12 -
1*F16 + 1*F17 - 1*F18 - 1*F28 + 1*F29 - 2*F30 - 1*F35 + 1*F36 - 1*F37 -
1*F38 + 1*G73 - 1*G76 + 1*G80 - 1*G81 + 1*G87 + 1*G91 - 1*G93 - 1*G100 +
2*G101 - 1*G112 - 1*G114 + 1*G118 + 1*G120 - 1*G124 - 2*G126 + 2*G2 +
1*G4 - 1*G6 - 1*H73 + 2*H76 + 1*H77 - 1*H91 + 1*H92 + 1*H102 + 1*H103 +
1*H106 + 1*H110 + 1*H112 + 1*H114 + 1*H116 + 1*H117 - 1*H118 - 1*H120 +
1*H123 + 1*H124 + 1*H126 + 1*H129 - 2*H130 - 1*H131 - 1*H133 + 1*H134 +
1*H138 - 1*H140 + 1*H141 + 1*H143 - 1*H145 + 1*H151 + 1*H152 + 1*H154 +
3*H155 + 1*H161 + 1*H162 - 1*H164 - 1*H176 - 1*H178 + 1*H179 + 1*H182 +
1*H185 - 1*H188 - 1*H190 - 1*H195 - 1*H198

J74 * J330 = 1*B0 + 1*B1 - 1*C0 - 1*C6 + 1*C1 - 1*D12 + 1*D13 - 1*D14 +
1*D15 - 1*E13 - 2*E15 + 1*E17 + 1*E19 - 1*E20 - 1*E22 - 1*E23 + 1*F13 -
1*F17 + 1*F18 - 1*F19 - 1*F29 + 1*F30 - 2*F31 - 1*F36 + 1*F37 - 1*F38 -
1*F39 + 1*G74 - 1*G77 + 1*G81 - 1*G82 + 1*G88 + 1*G92 - 1*G94 - 1*G101 +
2*G102 - 1*G113 - 1*G115 + 1*G119 + 1*G121 - 1*G125 - 2*G127 + 2*G3 +
1*G5 - 1*G7 - 1*H74 + 2*H77 + 1*H78 - 1*H92 + 1*H93 + 1*H103 + 1*H104 +
1*H107 + 1*H111 + 1*H113 + 1*H115 + 1*H117 + 1*H118 - 1*H119 - 1*H121 +
1*H124 + 1*H125 + 1*H127 + 1*H130 - 2*H131 - 1*H132 - 1*H134 + 1*H135 +
1*H139 - 1*H141 + 1*H142 + 1*H144 - 1*H146 + 1*H152 + 1*H153 + 1*H155 +
3*H156 + 1*H162 + 1*H163 - 1*H165 - 1*H177 - 1*H179 + 1*H180 + 1*H183 +
1*H186 - 1*H189 - 1*H191 - 1*H196 - 1*H199

J75 * J331 = 1*B1 + 1*B2 - 1*C6 - 1*C1 + 1*C7 - 1*D13 + 1*D14 - 1*D15 +
1*D0 - 1*E14 - 2*E16 + 1*E18 + 1*E20 - 1*E21 - 1*E23 - 1*E24 + 1*F14 -
1*F18 + 1*F19 - 1*F20 - 1*F30 + 1*F31 - 2*F32 - 1*F37 + 1*F38 - 1*F39 -
1*F40 + 1*G75 - 1*G78 + 1*G82 - 1*G83 + 1*G89 + 1*G93 - 1*G95 - 1*G102 +
2*G103 - 1*G114 - 1*G116 + 1*G120 + 1*G122 - 1*G126 - 2*G0 + 2*G4 + 1*G6
- 1*G8 - 1*H75 + 2*H78 + 1*H79 - 1*H93 + 1*H94 + 1*H104 + 1*H105 + 1*H108
+ 1*H112 + 1*H114 + 1*H116 + 1*H118 + 1*H119 - 1*H120 - 1*H122 + 1*H125 +

$$1*H126 + 1*H128 + 1*H131 - 2*H132 - 1*H133 - 1*H135 + 1*H136 + 1*H140 - 1*H142 + 1*H143 + 1*H145 - 1*H147 + 1*H153 + 1*H154 + 1*H156 + 3*H157 + 1*H163 + 1*H164 - 1*H166 - 1*H178 - 1*H180 + 1*H181 + 1*H184 + 1*H187 - 1*H190 - 1*H192 - 1*H197 - 1*H200$$

$$J76 * J332 = 1*B2 + 1*B3 - 1*C1 - 1*C7 + 1*C4 - 1*D14 + 1*D15 - 1*D0 + 1*D1 - 1*E15 - 2*E17 + 1*E19 + 1*E21 - 1*E22 - 1*E24 - 1*E25 + 1*F15 - 1*F19 + 1*F20 - 1*F21 - 1*F31 + 1*F32 - 2*F33 - 1*F38 + 1*F39 - 1*F40 - 1*F41 + 1*G76 - 1*G79 + 1*G83 - 1*G84 + 1*G90 + 1*G94 - 1*G96 - 1*G103 + 2*G104 - 1*G115 - 1*G117 + 1*G121 + 1*G123 - 1*G127 - 2*G1 + 2*G5 + 1*G7 - 1*G9 - 1*H76 + 2*H79 + 1*H80 - 1*H94 + 1*H95 + 1*H105 + 1*H106 + 1*H109 + 1*H113 + 1*H115 + 1*H117 + 1*H119 + 1*H120 - 1*H121 - 1*H123 + 1*H126 + 1*H127 + 1*H129 + 1*H132 - 2*H133 - 1*H134 - 1*H136 + 1*H137 + 1*H141 - 1*H143 + 1*H144 + 1*H146 - 1*H148 + 1*H154 + 1*H155 + 1*H157 + 3*H158 + 1*H164 + 1*H165 - 1*H167 - 1*H179 - 1*H181 + 1*H182 + 1*H185 + 1*H188 - 1*H191 - 1*H193 - 1*H198 - 1*H201$$

$$J77 * J333 = 1*B3 + 1*B0 - 1*C7 - 1*C4 + 1*C2 - 1*D15 + 1*D0 - 1*D1 + 1*D2 - 1*E16 - 2*E18 + 1*E20 + 1*E22 - 1*E23 - 1*E25 - 1*E26 + 1*F16 - 1*F20 + 1*F21 - 1*F22 - 1*F32 + 1*F33 - 2*F34 - 1*F39 + 1*F40 - 1*F41 - 1*F42 + 1*G77 - 1*G80 + 1*G84 - 1*G85 + 1*G91 + 1*G95 - 1*G97 - 1*G104 + 2*G105 - 1*G116 - 1*G118 + 1*G122 + 1*G124 - 1*G0 - 2*G2 + 2*G6 + 1*G8 - 1*G10 - 1*H77 + 2*H80 + 1*H81 - 1*H95 + 1*H96 + 1*H106 + 1*H107 + 1*H110 + 1*H114 + 1*H116 + 1*H118 + 1*H120 + 1*H121 - 1*H122 - 1*H124 + 1*H127 + 1*H128 + 1*H130 + 1*H133 - 2*H134 - 1*H135 - 1*H137 + 1*H138 + 1*H142 - 1*H144 + 1*H145 + 1*H147 - 1*H149 + 1*H155 + 1*H156 + 1*H158 + 3*H159 + 1*H165 + 1*H166 - 1*H168 - 1*H180 - 1*H182 + 1*H183 + 1*H186 + 1*H189 - 1*H192 - 1*H194 - 1*H199 - 1*H202$$

$$J78 * J334 = 1*B0 + 1*B1 - 1*C4 - 1*C2 + 1*C5 - 1*D0 + 1*D1 - 1*D2 + 1*D3 - 1*E17 - 2*E19 + 1*E21 + 1*E23 - 1*E24 - 1*E26 - 1*E27 + 1*F17 - 1*F21 + 1*F22 - 1*F23 - 1*F33 + 1*F34 - 2*F35 - 1*F40 + 1*F41 - 1*F42 - 1*F43 + 1*G78 - 1*G81 + 1*G85 - 1*G86 + 1*G92 + 1*G96 - 1*G98 - 1*G105 + 2*G106 - 1*G117 - 1*G119 + 1*G123 + 1*G125 - 1*G1 - 2*G3 + 2*G7 + 1*G9 - 1*G11 - 1*H78 + 2*H81 + 1*H82 - 1*H96 + 1*H97 + 1*H107 + 1*H108 + 1*H111 + 1*H115 + 1*H117 + 1*H119 + 1*H121 + 1*H122 - 1*H123 - 1*H125 + 1*H128 + 1*H129 + 1*H131 + 1*H134 - 2*H135 - 1*H136 - 1*H138 + 1*H139 + 1*H143 - 1*H145 + 1*H146 + 1*H148 - 1*H150 + 1*H156 + 1*H157 + 1*H159 + 3*H160 + 1*H166 + 1*H167 - 1*H169 - 1*H181 - 1*H183 + 1*H184 + 1*H187 + 1*H190 - 1*H193 - 1*H195 - 1*H200 - 1*H203$$

$$J79 * J335 = 1*B1 + 1*B2 - 1*C2 - 1*C5 + 1*C3 - 1*D1 + 1*D2 - 1*D3 + 1*D4 - 1*E18 - 2*E20 + 1*E22 + 1*E24 - 1*E25 - 1*E27 - 1*E28 + 1*F18 - 1*F22 + 1*F23 - 1*F24 - 1*F34 + 1*F35 - 2*F36 - 1*F41 + 1*F42 - 1*F43 - 1*F44 + 1*G79 - 1*G82 + 1*G86 - 1*G87 + 1*G93 + 1*G97 - 1*G99 - 1*G106 + 2*G107 - 1*G118 - 1*G120 + 1*G124 + 1*G126 - 1*G2 - 2*G4 + 2*G8 + 1*G10 - 1*G12 - 1*H79 + 2*H82 + 1*H83 - 1*H97 + 1*H98 + 1*H108 + 1*H109 + 1*H112 + 1*H116 + 1*H118 + 1*H120 + 1*H122 + 1*H123 - 1*H124 - 1*H126 + 1*H129 + 1*H130 + 1*H132 + 1*H135 - 2*H136 - 1*H137 - 1*H139 + 1*H140 + 1*H144 - 1*H146 + 1*H147 + 1*H149 - 1*H151 + 1*H157 + 1*H158 + 1*H160 + 3*H161 + 1*H167 + 1*H168 - 1*H170 - 1*H182 - 1*H184 + 1*H185 + 1*H188 + 1*H191 - 1*H194 - 1*H196 - 1*H201 - 1*H204$$

$$J80 * J336 = 1*B2 + 1*B3 - 1*C5 - 1*C3 + 1*C0 - 1*D2 + 1*D3 - 1*D4 + 1*D5 - 1*E19 - 2*E21 + 1*E23 + 1*E25 - 1*E26 - 1*E28 - 1*E29 + 1*F19 - 1*F23 + 1*F24 - 1*F25 - 1*F35 + 1*F36 - 2*F37 - 1*F42 + 1*F43 - 1*F44 - 1*F45 + 1*G80 - 1*G83 + 1*G87 - 1*G88 + 1*G94 + 1*G98 - 1*G100 - 1*G107 + 2*G108 - 1*G119 - 1*G121 + 1*G125 + 1*G127 - 1*G3 - 2*G5 + 2*G9 + 1*G11 - 1*G13 - 1*H80 + 2*H83 + 1*H84 - 1*H98 + 1*H99 + 1*H109 + 1*H110 + 1*H113 + 1*H117 + 1*H119 + 1*H121 + 1*H123 + 1*H124 - 1*H125 - 1*H127 + 1*H130 +$$

1*H131 + 1*H133 + 1*H136 - 2*H137 - 1*H138 - 1*H140 + 1*H141 + 1*H145 -
1*H147 + 1*H148 + 1*H150 - 1*H152 + 1*H158 + 1*H159 + 1*H161 + 3*H162 +
1*H168 + 1*H169 - 1*H171 - 1*H183 - 1*H185 + 1*H186 + 1*H189 + 1*H192 -
1*H195 - 1*H197 - 1*H202 - 1*H205

J81 * J337 = 1*B3 + 1*B0 - 1*C3 - 1*C0 + 1*C6 - 1*D3 + 1*D4 - 1*D5 + 1*D6
- 1*E20 - 2*E22 + 1*E24 + 1*E26 - 1*E27 - 1*E29 - 1*E30 + 1*F20 - 1*F24 +
1*F25 - 1*F26 - 1*F36 + 1*F37 - 2*F38 - 1*F43 + 1*F44 - 1*F45 - 1*F46 +
1*G81 - 1*G84 + 1*G88 - 1*G89 + 1*G95 + 1*G99 - 1*G101 - 1*G108 + 2*G109
- 1*G120 - 1*G122 + 1*G126 + 1*G0 - 1*G4 - 2*G6 + 2*G10 + 1*G12 - 1*G14 -
1*H81 + 2*H84 + 1*H85 - 1*H99 + 1*H100 + 1*H110 + 1*H111 + 1*H114 +
1*H118 + 1*H120 + 1*H122 + 1*H124 + 1*H125 - 1*H126 - 1*H128 + 1*H131 +
1*H132 + 1*H134 + 1*H137 - 2*H138 - 1*H139 - 1*H141 + 1*H142 + 1*H146 -
1*H148 + 1*H149 + 1*H151 - 1*H153 + 1*H159 + 1*H160 + 1*H162 + 3*H163 +
1*H169 + 1*H170 - 1*H172 - 1*H184 - 1*H186 + 1*H187 + 1*H190 + 1*H193 -
1*H196 - 1*H198 - 1*H203 - 1*H206

J82 * J338 = 1*B0 + 1*B1 - 1*C0 - 1*C6 + 1*C1 - 1*D4 + 1*D5 - 1*D6 + 1*D7
- 1*E21 - 2*E23 + 1*E25 + 1*E27 - 1*E28 - 1*E30 - 1*E31 + 1*F21 - 1*F25 +
1*F26 - 1*F27 - 1*F37 + 1*F38 - 2*F39 - 1*F44 + 1*F45 - 1*F46 - 1*F47 +
1*G82 - 1*G85 + 1*G89 - 1*G90 + 1*G96 + 1*G100 - 1*G102 - 1*G109 + 2*G110
- 1*G121 - 1*G123 + 1*G127 + 1*G1 - 1*G5 - 2*G7 + 2*G11 + 1*G13 - 1*G15 -
1*H82 + 2*H85 + 1*H86 - 1*H100 + 1*H101 + 1*H111 + 1*H112 + 1*H115 +
1*H119 + 1*H121 + 1*H123 + 1*H125 + 1*H126 - 1*H127 - 1*H129 + 1*H132 +
1*H133 + 1*H135 + 1*H138 - 2*H139 - 1*H140 - 1*H142 + 1*H143 + 1*H147 -
1*H149 + 1*H150 + 1*H152 - 1*H154 + 1*H160 + 1*H161 + 1*H163 + 3*H164 +
1*H170 + 1*H171 - 1*H173 - 1*H185 - 1*H187 + 1*H188 + 1*H191 + 1*H194 -
1*H197 - 1*H199 - 1*H204 - 1*H207

J83 * J339 = 1*B1 + 1*B2 - 1*C6 - 1*C1 + 1*C7 - 1*D5 + 1*D6 - 1*D7 + 1*D8
- 1*E22 - 2*E24 + 1*E26 + 1*E28 - 1*E29 - 1*E31 - 1*E0 + 1*F22 - 1*F26 +
1*F27 - 1*F28 - 1*F38 + 1*F39 - 2*F40 - 1*F45 + 1*F46 - 1*F47 - 1*F48 +
1*G83 - 1*G86 + 1*G90 - 1*G91 + 1*G97 + 1*G101 - 1*G103 - 1*G110 + 2*G111
- 1*G122 - 1*G124 + 1*G0 + 1*G2 - 1*G6 - 2*G8 + 2*G12 + 1*G14 - 1*G16 -
1*H83 + 2*H86 + 1*H87 - 1*H101 + 1*H102 + 1*H112 + 1*H113 + 1*H116 +
1*H120 + 1*H122 + 1*H124 + 1*H126 + 1*H127 - 1*H128 - 1*H130 + 1*H133 +
1*H134 + 1*H136 + 1*H139 - 2*H140 - 1*H141 - 1*H143 + 1*H144 + 1*H148 -
1*H150 + 1*H151 + 1*H153 - 1*H155 + 1*H161 + 1*H162 + 1*H164 + 3*H165 +
1*H171 + 1*H172 - 1*H174 - 1*H186 - 1*H188 + 1*H189 + 1*H192 + 1*H195 -
1*H198 - 1*H200 - 1*H205 - 1*H208

J84 * J340 = 1*B2 + 1*B3 - 1*C1 - 1*C7 + 1*C4 - 1*D6 + 1*D7 - 1*D8 + 1*D9
- 1*E23 - 2*E25 + 1*E27 + 1*E29 - 1*E30 - 1*E0 - 1*E1 + 1*F23 - 1*F27 +
1*F28 - 1*F29 - 1*F39 + 1*F40 - 2*F41 - 1*F46 + 1*F47 - 1*F48 - 1*F49 +
1*G84 - 1*G87 + 1*G91 - 1*G92 + 1*G98 + 1*G102 - 1*G104 - 1*G111 + 2*G112
- 1*G123 - 1*G125 + 1*G1 + 1*G3 - 1*G7 - 2*G9 + 2*G13 + 1*G15 - 1*G17 -
1*H84 + 2*H87 + 1*H88 - 1*H102 + 1*H103 + 1*H113 + 1*H114 + 1*H117 +
1*H121 + 1*H123 + 1*H125 + 1*H127 + 1*H128 - 1*H129 - 1*H131 + 1*H134 +
1*H135 + 1*H137 + 1*H140 - 2*H141 - 1*H142 - 1*H144 + 1*H145 + 1*H149 -
1*H151 + 1*H152 + 1*H154 - 1*H156 + 1*H162 + 1*H163 + 1*H165 + 3*H166 +
1*H172 + 1*H173 - 1*H175 - 1*H187 - 1*H189 + 1*H190 + 1*H193 + 1*H196 -
1*H199 - 1*H201 - 1*H206 - 1*H209

J85 * J341 = 1*B3 + 1*B0 - 1*C7 - 1*C4 + 1*C2 - 1*D7 + 1*D8 - 1*D9 +
1*D10 - 1*E24 - 2*E26 + 1*E28 + 1*E30 - 1*E31 - 1*E1 - 1*E2 + 1*F24 -
1*F28 + 1*F29 - 1*F30 - 1*F40 + 1*F41 - 2*F42 - 1*F47 + 1*F48 - 1*F49 -
1*F50 + 1*G85 - 1*G88 + 1*G92 - 1*G93 + 1*G99 + 1*G103 - 1*G105 - 1*G112
+ 2*G113 - 1*G124 - 1*G126 + 1*G2 + 1*G4 - 1*G8 - 2*G10 + 2*G14 + 1*G16 -
1*G18 - 1*H85 + 2*H88 + 1*H89 - 1*H103 + 1*H104 + 1*H114 + 1*H115 +
1*H118 + 1*H122 + 1*H124 + 1*H126 + 1*H128 + 1*H129 - 1*H130 - 1*H132 +

$$\begin{aligned}
&1*H135 + 1*H136 + 1*H138 + 1*H141 - 2*H142 - 1*H143 - 1*H145 + 1*H146 + \\
&1*H150 - 1*H152 + 1*H153 + 1*H155 - 1*H157 + 1*H163 + 1*H164 + 1*H166 + \\
&3*H167 + 1*H173 + 1*H174 - 1*H176 - 1*H188 - 1*H190 + 1*H191 + 1*H194 + \\
&1*H197 - 1*H200 - 1*H202 - 1*H207 - 1*H210
\end{aligned}$$

$$\begin{aligned}
J86 * J342 = &1*B0 + 1*B1 - 1*C4 - 1*C2 + 1*C5 - 1*D8 + 1*D9 - 1*D10 + \\
&1*D11 - 1*E25 - 2*E27 + 1*E29 + 1*E31 - 1*E0 - 1*E2 - 1*E3 + 1*F25 - \\
&1*F29 + 1*F30 - 1*F31 - 1*F41 + 1*F42 - 2*F43 - 1*F48 + 1*F49 - 1*F50 - \\
&1*F51 + 1*G86 - 1*G89 + 1*G93 - 1*G94 + 1*G100 + 1*G104 - 1*G106 - 1*G113 \\
&+ 2*G114 - 1*G125 - 1*G127 + 1*G3 + 1*G5 - 1*G9 - 2*G11 + 2*G15 + 1*G17 - \\
&1*G19 - 1*H86 + 2*H89 + 1*H90 - 1*H104 + 1*H105 + 1*H115 + 1*H116 + \\
&1*H119 + 1*H123 + 1*H125 + 1*H127 + 1*H129 + 1*H130 - 1*H131 - 1*H133 + \\
&1*H136 + 1*H137 + 1*H139 + 1*H142 - 2*H143 - 1*H144 - 1*H146 + 1*H147 + \\
&1*H151 - 1*H153 + 1*H154 + 1*H156 - 1*H158 + 1*H164 + 1*H165 + 1*H167 + \\
&3*H168 + 1*H174 + 1*H175 - 1*H177 - 1*H189 - 1*H191 + 1*H192 + 1*H195 + \\
&1*H198 - 1*H201 - 1*H203 - 1*H208 - 1*H211
\end{aligned}$$

$$\begin{aligned}
J87 * J343 = &1*B1 + 1*B2 - 1*C2 - 1*C5 + 1*C3 - 1*D9 + 1*D10 - 1*D11 + \\
&1*D12 - 1*E26 - 2*E28 + 1*E30 + 1*E0 - 1*E1 - 1*E3 - 1*E4 + 1*F26 - 1*F30 \\
&+ 1*F31 - 1*F32 - 1*F42 + 1*F43 - 2*F44 - 1*F49 + 1*F50 - 1*F51 - 1*F52 + \\
&1*G87 - 1*G90 + 1*G94 - 1*G95 + 1*G101 + 1*G105 - 1*G107 - 1*G114 + \\
&2*G115 - 1*G126 - 1*G0 + 1*G4 + 1*G6 - 1*G10 - 2*G12 + 2*G16 + 1*G18 - \\
&1*G20 - 1*H87 + 2*H90 + 1*H91 - 1*H105 + 1*H106 + 1*H116 + 1*H117 + \\
&1*H120 + 1*H124 + 1*H126 + 1*H128 + 1*H130 + 1*H131 - 1*H132 - 1*H134 + \\
&1*H137 + 1*H138 + 1*H140 + 1*H143 - 2*H144 - 1*H145 - 1*H147 + 1*H148 + \\
&1*H152 - 1*H154 + 1*H155 + 1*H157 - 1*H159 + 1*H165 + 1*H166 + 1*H168 + \\
&3*H169 + 1*H175 + 1*H176 - 1*H178 - 1*H190 - 1*H192 + 1*H193 + 1*H196 + \\
&1*H199 - 1*H202 - 1*H204 - 1*H209 - 1*H212
\end{aligned}$$

$$\begin{aligned}
J88 * J344 = &1*B2 + 1*B3 - 1*C5 - 1*C3 + 1*C0 - 1*D10 + 1*D11 - 1*D12 + \\
&1*D13 - 1*E27 - 2*E29 + 1*E31 + 1*E1 - 1*E2 - 1*E4 - 1*E5 + 1*F27 - 1*F31 \\
&+ 1*F32 - 1*F33 - 1*F43 + 1*F44 - 2*F45 - 1*F50 + 1*F51 - 1*F52 - 1*F53 + \\
&1*G88 - 1*G91 + 1*G95 - 1*G96 + 1*G102 + 1*G106 - 1*G108 - 1*G115 + \\
&2*G116 - 1*G127 - 1*G1 + 1*G5 + 1*G7 - 1*G11 - 2*G13 + 2*G17 + 1*G19 - \\
&1*G21 - 1*H88 + 2*H91 + 1*H92 - 1*H106 + 1*H107 + 1*H117 + 1*H118 + \\
&1*H121 + 1*H125 + 1*H127 + 1*H129 + 1*H131 + 1*H132 - 1*H133 - 1*H135 + \\
&1*H138 + 1*H139 + 1*H141 + 1*H144 - 2*H145 - 1*H146 - 1*H148 + 1*H149 + \\
&1*H153 - 1*H155 + 1*H156 + 1*H158 - 1*H160 + 1*H166 + 1*H167 + 1*H169 + \\
&3*H170 + 1*H176 + 1*H177 - 1*H179 - 1*H191 - 1*H193 + 1*H194 + 1*H197 + \\
&1*H200 - 1*H203 - 1*H205 - 1*H210 - 1*H213
\end{aligned}$$

$$\begin{aligned}
J89 * J345 = &1*B3 + 1*B0 - 1*C3 - 1*C0 + 1*C6 - 1*D11 + 1*D12 - 1*D13 + \\
&1*D14 - 1*E28 - 2*E30 + 1*E0 + 1*E2 - 1*E3 - 1*E5 - 1*E6 + 1*F28 - 1*F32 \\
&+ 1*F33 - 1*F34 - 1*F44 + 1*F45 - 2*F46 - 1*F51 + 1*F52 - 1*F53 - 1*F54 + \\
&1*G89 - 1*G92 + 1*G96 - 1*G97 + 1*G103 + 1*G107 - 1*G109 - 1*G116 + \\
&2*G117 - 1*G0 - 1*G2 + 1*G6 + 1*G8 - 1*G12 - 2*G14 + 2*G18 + 1*G20 - \\
&1*G22 - 1*H89 + 2*H92 + 1*H93 - 1*H107 + 1*H108 + 1*H118 + 1*H119 + \\
&1*H122 + 1*H126 + 1*H128 + 1*H130 + 1*H132 + 1*H133 - 1*H134 - 1*H136 + \\
&1*H139 + 1*H140 + 1*H142 + 1*H145 - 2*H146 - 1*H147 - 1*H149 + 1*H150 + \\
&1*H154 - 1*H156 + 1*H157 + 1*H159 - 1*H161 + 1*H167 + 1*H168 + 1*H170 + \\
&3*H171 + 1*H177 + 1*H178 - 1*H180 - 1*H192 - 1*H194 + 1*H195 + 1*H198 + \\
&1*H201 - 1*H204 - 1*H206 - 1*H211 - 1*H214
\end{aligned}$$

$$\begin{aligned}
J90 * J346 = &1*B0 + 1*B1 - 1*C0 - 1*C6 + 1*C1 - 1*D12 + 1*D13 - 1*D14 + \\
&1*D15 - 1*E29 - 2*E31 + 1*E1 + 1*E3 - 1*E4 - 1*E6 - 1*E7 + 1*F29 - 1*F33 \\
&+ 1*F34 - 1*F35 - 1*F45 + 1*F46 - 2*F47 - 1*F52 + 1*F53 - 1*F54 - 1*F55 + \\
&1*G90 - 1*G93 + 1*G97 - 1*G98 + 1*G104 + 1*G108 - 1*G110 - 1*G117 + \\
&2*G118 - 1*G1 - 1*G3 + 1*G7 + 1*G9 - 1*G13 - 2*G15 + 2*G19 + 1*G21 - \\
&1*G23 - 1*H90 + 2*H93 + 1*H94 - 1*H108 + 1*H109 + 1*H119 + 1*H120 + \\
&1*H123 + 1*H127 + 1*H129 + 1*H131 + 1*H133 + 1*H134 - 1*H135 - 1*H137 +
\end{aligned}$$

$$1*H140 + 1*H141 + 1*H143 + 1*H146 - 2*H147 - 1*H148 - 1*H150 + 1*H151 + 1*H155 - 1*H157 + 1*H158 + 1*H160 - 1*H162 + 1*H168 + 1*H169 + 1*H171 + 3*H172 + 1*H178 + 1*H179 - 1*H181 - 1*H193 - 1*H195 + 1*H196 + 1*H199 + 1*H202 - 1*H205 - 1*H207 - 1*H212 - 1*H215$$

$$J91 * J347 = 1*B1 + 1*B2 - 1*C6 - 1*C1 + 1*C7 - 1*D13 + 1*D14 - 1*D15 + 1*D0 - 1*E30 - 2*E0 + 1*E2 + 1*E4 - 1*E5 - 1*E7 - 1*E8 + 1*F30 - 1*F34 + 1*F35 - 1*F36 - 1*F46 + 1*F47 - 2*F48 - 1*F53 + 1*F54 - 1*F55 - 1*F56 + 1*G91 - 1*G94 + 1*G98 - 1*G99 + 1*G105 + 1*G109 - 1*G111 - 1*G118 + 2*G119 - 1*G2 - 1*G4 + 1*G8 + 1*G10 - 1*G14 - 2*G16 + 2*G20 + 1*G22 - 1*G24 - 1*H91 + 2*H94 + 1*H95 - 1*H109 + 1*H110 + 1*H120 + 1*H121 + 1*H124 + 1*H128 + 1*H130 + 1*H132 + 1*H134 + 1*H135 - 1*H136 - 1*H138 + 1*H141 + 1*H142 + 1*H144 + 1*H147 - 2*H148 - 1*H149 - 1*H151 + 1*H152 + 1*H156 - 1*H158 + 1*H159 + 1*H161 - 1*H163 + 1*H169 + 1*H170 + 1*H172 + 3*H173 + 1*H179 + 1*H180 - 1*H182 - 1*H194 - 1*H196 + 1*H197 + 1*H200 + 1*H203 - 1*H206 - 1*H208 - 1*H213 - 1*H216$$

$$J92 * J348 = 1*B2 + 1*B3 - 1*C1 - 1*C7 + 1*C4 - 1*D14 + 1*D15 - 1*D0 + 1*D1 - 1*E31 - 2*E1 + 1*E3 + 1*E5 - 1*E6 - 1*E8 - 1*E9 + 1*F31 - 1*F35 + 1*F36 - 1*F37 - 1*F47 + 1*F48 - 2*F49 - 1*F54 + 1*F55 - 1*F56 - 1*F57 + 1*G92 - 1*G95 + 1*G99 - 1*G100 + 1*G106 + 1*G110 - 1*G112 - 1*G119 + 2*G120 - 1*G3 - 1*G5 + 1*G9 + 1*G11 - 1*G15 - 2*G17 + 2*G21 + 1*G23 - 1*G25 - 1*H92 + 2*H95 + 1*H96 - 1*H110 + 1*H111 + 1*H121 + 1*H122 + 1*H125 + 1*H129 + 1*H131 + 1*H133 + 1*H135 + 1*H136 - 1*H137 - 1*H139 + 1*H142 + 1*H143 + 1*H145 + 1*H148 - 2*H149 - 1*H150 - 1*H152 + 1*H153 + 1*H157 - 1*H159 + 1*H160 + 1*H162 - 1*H164 + 1*H170 + 1*H171 + 1*H173 + 3*H174 + 1*H180 + 1*H181 - 1*H183 - 1*H195 - 1*H197 + 1*H198 + 1*H201 + 1*H204 - 1*H207 - 1*H209 - 1*H214 - 1*H217$$

$$J93 * J349 = 1*B3 + 1*B0 - 1*C7 - 1*C4 + 1*C2 - 1*D15 + 1*D0 - 1*D1 + 1*D2 - 1*E0 - 2*E2 + 1*E4 + 1*E6 - 1*E7 - 1*E9 - 1*E10 + 1*F32 - 1*F36 + 1*F37 - 1*F38 - 1*F48 + 1*F49 - 2*F50 - 1*F55 + 1*F56 - 1*F57 - 1*F58 + 1*G93 - 1*G96 + 1*G100 - 1*G101 + 1*G107 + 1*G111 - 1*G113 - 1*G120 + 2*G121 - 1*G4 - 1*G6 + 1*G10 + 1*G12 - 1*G16 - 2*G18 + 2*G22 + 1*G24 - 1*G26 - 1*H93 + 2*H96 + 1*H97 - 1*H111 + 1*H112 + 1*H122 + 1*H123 + 1*H126 + 1*H130 + 1*H132 + 1*H134 + 1*H136 + 1*H137 - 1*H138 - 1*H140 + 1*H143 + 1*H144 + 1*H146 + 1*H149 - 2*H150 - 1*H151 - 1*H153 + 1*H154 + 1*H158 - 1*H160 + 1*H161 + 1*H163 - 1*H165 + 1*H171 + 1*H172 + 1*H174 + 3*H175 + 1*H181 + 1*H182 - 1*H184 - 1*H196 - 1*H198 + 1*H199 + 1*H202 + 1*H205 - 1*H208 - 1*H210 - 1*H215 - 1*H218$$

$$J94 * J350 = 1*B0 + 1*B1 - 1*C4 - 1*C2 + 1*C5 - 1*D0 + 1*D1 - 1*D2 + 1*D3 - 1*E1 - 2*E3 + 1*E5 + 1*E7 - 1*E8 - 1*E10 - 1*E11 + 1*F33 - 1*F37 + 1*F38 - 1*F39 - 1*F49 + 1*F50 - 2*F51 - 1*F56 + 1*F57 - 1*F58 - 1*F59 + 1*G94 - 1*G97 + 1*G101 - 1*G102 + 1*G108 + 1*G112 - 1*G114 - 1*G121 + 2*G122 - 1*G5 - 1*G7 + 1*G11 + 1*G13 - 1*G17 - 2*G19 + 2*G23 + 1*G25 - 1*G27 - 1*H94 + 2*H97 + 1*H98 - 1*H112 + 1*H113 + 1*H123 + 1*H124 + 1*H127 + 1*H131 + 1*H133 + 1*H135 + 1*H137 + 1*H138 - 1*H139 - 1*H141 + 1*H144 + 1*H145 + 1*H147 + 1*H150 - 2*H151 - 1*H152 - 1*H154 + 1*H155 + 1*H159 - 1*H161 + 1*H162 + 1*H164 - 1*H166 + 1*H172 + 1*H173 + 1*H175 + 3*H176 + 1*H182 + 1*H183 - 1*H185 - 1*H197 - 1*H199 + 1*H200 + 1*H203 + 1*H206 - 1*H209 - 1*H211 - 1*H216 - 1*H219$$

$$J95 * J351 = 1*B1 + 1*B2 - 1*C2 - 1*C5 + 1*C3 - 1*D1 + 1*D2 - 1*D3 + 1*D4 - 1*E2 - 2*E4 + 1*E6 + 1*E8 - 1*E9 - 1*E11 - 1*E12 + 1*F34 - 1*F38 + 1*F39 - 1*F40 - 1*F50 + 1*F51 - 2*F52 - 1*F57 + 1*F58 - 1*F59 - 1*F60 + 1*G95 - 1*G98 + 1*G102 - 1*G103 + 1*G109 + 1*G113 - 1*G115 - 1*G122 + 2*G123 - 1*G6 - 1*G8 + 1*G12 + 1*G14 - 1*G18 - 2*G20 + 2*G24 + 1*G26 - 1*G28 - 1*H95 + 2*H98 + 1*H99 - 1*H113 + 1*H114 + 1*H124 + 1*H125 + 1*H128 + 1*H132 + 1*H134 + 1*H136 + 1*H138 + 1*H139 - 1*H140 - 1*H142 +$$

$$\begin{aligned}
& 1*H145 + 1*H146 + 1*H148 + 1*H151 - 2*H152 - 1*H153 - 1*H155 + 1*H156 + \\
& 1*H160 - 1*H162 + 1*H163 + 1*H165 - 1*H167 + 1*H173 + 1*H174 + 1*H176 + \\
& 3*H177 + 1*H183 + 1*H184 - 1*H186 - 1*H198 - 1*H200 + 1*H201 + 1*H204 + \\
& 1*H207 - 1*H210 - 1*H212 - 1*H217 - 1*H220
\end{aligned}$$

$$\begin{aligned}
J96 * J352 = & 1*B2 + 1*B3 - 1*C5 - 1*C3 + 1*C0 - 1*D2 + 1*D3 - 1*D4 + 1*D5 \\
& - 1*E3 - 2*E5 + 1*E7 + 1*E9 - 1*E10 - 1*E12 - 1*E13 + 1*F35 - 1*F39 + \\
& 1*F40 - 1*F41 - 1*F51 + 1*F52 - 2*F53 - 1*F58 + 1*F59 - 1*F60 - 1*F61 + \\
& 1*G96 - 1*G99 + 1*G103 - 1*G104 + 1*G110 + 1*G114 - 1*G116 - 1*G123 + \\
& 2*G124 - 1*G7 - 1*G9 + 1*G13 + 1*G15 - 1*G19 - 2*G21 + 2*G25 + 1*G27 - \\
& 1*G29 - 1*H96 + 2*H99 + 1*H100 - 1*H114 + 1*H115 + 1*H125 + 1*H126 + \\
& 1*H129 + 1*H133 + 1*H135 + 1*H137 + 1*H139 + 1*H140 - 1*H141 - 1*H143 + \\
& 1*H146 + 1*H147 + 1*H149 + 1*H152 - 2*H153 - 1*H154 - 1*H156 + 1*H157 + \\
& 1*H161 - 1*H163 + 1*H164 + 1*H166 - 1*H168 + 1*H174 + 1*H175 + 1*H177 + \\
& 3*H178 + 1*H184 + 1*H185 - 1*H187 - 1*H199 - 1*H201 + 1*H202 + 1*H205 + \\
& 1*H208 - 1*H211 - 1*H213 - 1*H218 - 1*H221
\end{aligned}$$

$$\begin{aligned}
J97 * J353 = & 1*B3 + 1*B0 - 1*C3 - 1*C0 + 1*C6 - 1*D3 + 1*D4 - 1*D5 + 1*D6 \\
& - 1*E4 - 2*E6 + 1*E8 + 1*E10 - 1*E11 - 1*E13 - 1*E14 + 1*F36 - 1*F40 + \\
& 1*F41 - 1*F42 - 1*F52 + 1*F53 - 2*F54 - 1*F59 + 1*F60 - 1*F61 - 1*F62 + \\
& 1*G97 - 1*G100 + 1*G104 - 1*G105 + 1*G111 + 1*G115 - 1*G117 - 1*G124 + \\
& 2*G125 - 1*G8 - 1*G10 + 1*G14 + 1*G16 - 1*G20 - 2*G22 + 2*G26 + 1*G28 - \\
& 1*G30 - 1*H97 + 2*H100 + 1*H101 - 1*H115 + 1*H116 + 1*H126 + 1*H127 + \\
& 1*H130 + 1*H134 + 1*H136 + 1*H138 + 1*H140 + 1*H141 - 1*H142 - 1*H144 + \\
& 1*H147 + 1*H148 + 1*H150 + 1*H153 - 2*H154 - 1*H155 - 1*H157 + 1*H158 + \\
& 1*H162 - 1*H164 + 1*H165 + 1*H167 - 1*H169 + 1*H175 + 1*H176 + 1*H178 + \\
& 3*H179 + 1*H185 + 1*H186 - 1*H188 - 1*H200 - 1*H202 + 1*H203 + 1*H206 + \\
& 1*H209 - 1*H212 - 1*H214 - 1*H219 - 1*H222
\end{aligned}$$

$$\begin{aligned}
J98 * J354 = & 1*B0 + 1*B1 - 1*C0 - 1*C6 + 1*C1 - 1*D4 + 1*D5 - 1*D6 + 1*D7 \\
& - 1*E5 - 2*E7 + 1*E9 + 1*E11 - 1*E12 - 1*E14 - 1*E15 + 1*F37 - 1*F41 + \\
& 1*F42 - 1*F43 - 1*F53 + 1*F54 - 2*F55 - 1*F60 + 1*F61 - 1*F62 - 1*F63 + \\
& 1*G98 - 1*G101 + 1*G105 - 1*G106 + 1*G112 + 1*G116 - 1*G118 - 1*G125 + \\
& 2*G126 - 1*G9 - 1*G11 + 1*G15 + 1*G17 - 1*G21 - 2*G23 + 2*G27 + 1*G29 - \\
& 1*G31 - 1*H98 + 2*H101 + 1*H102 - 1*H116 + 1*H117 + 1*H127 + 1*H128 + \\
& 1*H131 + 1*H135 + 1*H137 + 1*H139 + 1*H141 + 1*H142 - 1*H143 - 1*H145 + \\
& 1*H148 + 1*H149 + 1*H151 + 1*H154 - 2*H155 - 1*H156 - 1*H158 + 1*H159 + \\
& 1*H163 - 1*H165 + 1*H166 + 1*H168 - 1*H170 + 1*H176 + 1*H177 + 1*H179 + \\
& 3*H180 + 1*H186 + 1*H187 - 1*H189 - 1*H201 - 1*H203 + 1*H204 + 1*H207 + \\
& 1*H210 - 1*H213 - 1*H215 - 1*H220 - 1*H223
\end{aligned}$$

$$\begin{aligned}
J99 * J355 = & 1*B1 + 1*B2 - 1*C6 - 1*C1 + 1*C7 - 1*D5 + 1*D6 - 1*D7 + 1*D8 \\
& - 1*E6 - 2*E8 + 1*E10 + 1*E12 - 1*E13 - 1*E15 - 1*E16 + 1*F38 - 1*F42 + \\
& 1*F43 - 1*F44 - 1*F54 + 1*F55 - 2*F56 - 1*F61 + 1*F62 - 1*F63 - 1*F0 + \\
& 1*G99 - 1*G102 + 1*G106 - 1*G107 + 1*G113 + 1*G117 - 1*G119 - 1*G126 + \\
& 2*G127 - 1*G10 - 1*G12 + 1*G16 + 1*G18 - 1*G22 - 2*G24 + 2*G28 + 1*G30 - \\
& 1*G32 - 1*H99 + 2*H102 + 1*H103 - 1*H117 + 1*H118 + 1*H128 + 1*H129 + \\
& 1*H132 + 1*H136 + 1*H138 + 1*H140 + 1*H142 + 1*H143 - 1*H144 - 1*H146 + \\
& 1*H149 + 1*H150 + 1*H152 + 1*H155 - 2*H156 - 1*H157 - 1*H159 + 1*H160 + \\
& 1*H164 - 1*H166 + 1*H167 + 1*H169 - 1*H171 + 1*H177 + 1*H178 + 1*H180 + \\
& 3*H181 + 1*H187 + 1*H188 - 1*H190 - 1*H202 - 1*H204 + 1*H205 + 1*H208 + \\
& 1*H211 - 1*H214 - 1*H216 - 1*H221 - 1*H224
\end{aligned}$$

$$\begin{aligned}
J100 * J356 = & 1*B2 + 1*B3 - 1*C1 - 1*C7 + 1*C4 - 1*D6 + 1*D7 - 1*D8 + \\
& 1*D9 - 1*E7 - 2*E9 + 1*E11 + 1*E13 - 1*E14 - 1*E16 - 1*E17 + 1*F39 - \\
& 1*F43 + 1*F44 - 1*F45 - 1*F55 + 1*F56 - 2*F57 - 1*F62 + 1*F63 - 1*F0 - \\
& 1*F1 + 1*G100 - 1*G103 + 1*G107 - 1*G108 + 1*G114 + 1*G118 - 1*G120 - \\
& 1*G127 + 2*G0 - 1*G11 - 1*G13 + 1*G17 + 1*G19 - 1*G23 - 2*G25 + 2*G29 + \\
& 1*G31 - 1*G33 - 1*H100 + 2*H103 + 1*H104 - 1*H118 + 1*H119 + 1*H129 + \\
& 1*H130 + 1*H133 + 1*H137 + 1*H139 + 1*H141 + 1*H143 + 1*H144 - 1*H145 -
\end{aligned}$$

1*H147 + 1*H150 + 1*H151 + 1*H153 + 1*H156 - 2*H157 - 1*H158 - 1*H160 +
1*H161 + 1*H165 - 1*H167 + 1*H168 + 1*H170 - 1*H172 + 1*H178 + 1*H179 +
1*H181 + 3*H182 + 1*H188 + 1*H189 - 1*H191 - 1*H203 - 1*H205 + 1*H206 +
1*H209 + 1*H212 - 1*H215 - 1*H217 - 1*H222 - 1*H225

J101 * J357 = 1*B3 + 1*B0 - 1*C7 - 1*C4 + 1*C2 - 1*D7 + 1*D8 - 1*D9 +
1*D10 - 1*E8 - 2*E10 + 1*E12 + 1*E14 - 1*E15 - 1*E17 - 1*E18 + 1*F40 -
1*F44 + 1*F45 - 1*F46 - 1*F56 + 1*F57 - 2*F58 - 1*F63 + 1*F0 - 1*F1 -
1*F2 + 1*G101 - 1*G104 + 1*G108 - 1*G109 + 1*G115 + 1*G119 - 1*G121 -
1*G0 + 2*G1 - 1*G12 - 1*G14 + 1*G18 + 1*G20 - 1*G24 - 2*G26 + 2*G30 +
1*G32 - 1*G34 - 1*H101 + 2*H104 + 1*H105 - 1*H119 + 1*H120 + 1*H130 +
1*H131 + 1*H134 + 1*H138 + 1*H140 + 1*H142 + 1*H144 + 1*H145 - 1*H146 -
1*H148 + 1*H151 + 1*H152 + 1*H154 + 1*H157 - 2*H158 - 1*H159 - 1*H161 +
1*H162 + 1*H166 - 1*H168 + 1*H169 + 1*H171 - 1*H173 + 1*H179 + 1*H180 +
1*H182 + 3*H183 + 1*H189 + 1*H190 - 1*H192 - 1*H204 - 1*H206 + 1*H207 +
1*H210 + 1*H213 - 1*H216 - 1*H218 - 1*H223 - 1*H226

J102 * J358 = 1*B0 + 1*B1 - 1*C4 - 1*C2 + 1*C5 - 1*D8 + 1*D9 - 1*D10 +
1*D11 - 1*E9 - 2*E11 + 1*E13 + 1*E15 - 1*E16 - 1*E18 - 1*E19 + 1*F41 -
1*F45 + 1*F46 - 1*F47 - 1*F57 + 1*F58 - 2*F59 - 1*F0 + 1*F1 - 1*F2 - 1*F3
+ 1*G102 - 1*G105 + 1*G109 - 1*G110 + 1*G116 + 1*G120 - 1*G122 - 1*G1 +
2*G2 - 1*G13 - 1*G15 + 1*G19 + 1*G21 - 1*G25 - 2*G27 + 2*G31 + 1*G33 -
1*G35 - 1*H102 + 2*H105 + 1*H106 - 1*H120 + 1*H121 + 1*H131 + 1*H132 +
1*H135 + 1*H139 + 1*H141 + 1*H143 + 1*H145 + 1*H146 - 1*H147 - 1*H149 +
1*H152 + 1*H153 + 1*H155 + 1*H158 - 2*H159 - 1*H160 - 1*H162 + 1*H163 +
1*H167 - 1*H169 + 1*H170 + 1*H172 - 1*H174 + 1*H180 + 1*H181 + 1*H183 +
3*H184 + 1*H190 + 1*H191 - 1*H193 - 1*H205 - 1*H207 + 1*H208 + 1*H211 +
1*H214 - 1*H217 - 1*H219 - 1*H224 - 1*H227

J103 * J359 = 1*B1 + 1*B2 - 1*C2 - 1*C5 + 1*C3 - 1*D9 + 1*D10 - 1*D11 +
1*D12 - 1*E10 - 2*E12 + 1*E14 + 1*E16 - 1*E17 - 1*E19 - 1*E20 + 1*F42 -
1*F46 + 1*F47 - 1*F48 - 1*F58 + 1*F59 - 2*F60 - 1*F1 + 1*F2 - 1*F3 - 1*F4
+ 1*G103 - 1*G106 + 1*G110 - 1*G111 + 1*G117 + 1*G121 - 1*G123 - 1*G2 +
2*G3 - 1*G14 - 1*G16 + 1*G20 + 1*G22 - 1*G26 - 2*G28 + 2*G32 + 1*G34 -
1*G36 - 1*H103 + 2*H106 + 1*H107 - 1*H121 + 1*H122 + 1*H132 + 1*H133 +
1*H136 + 1*H140 + 1*H142 + 1*H144 + 1*H146 + 1*H147 - 1*H148 - 1*H150 +
1*H153 + 1*H154 + 1*H156 + 1*H159 - 2*H160 - 1*H161 - 1*H163 + 1*H164 +
1*H168 - 1*H170 + 1*H171 + 1*H173 - 1*H175 + 1*H181 + 1*H182 + 1*H184 +
3*H185 + 1*H191 + 1*H192 - 1*H194 - 1*H206 - 1*H208 + 1*H209 + 1*H212 +
1*H215 - 1*H218 - 1*H220 - 1*H225 - 1*H228

J104 * J360 = 1*B2 + 1*B3 - 1*C5 - 1*C3 + 1*C0 - 1*D10 + 1*D11 - 1*D12 +
1*D13 - 1*E11 - 2*E13 + 1*E15 + 1*E17 - 1*E18 - 1*E20 - 1*E21 + 1*F43 -
1*F47 + 1*F48 - 1*F49 - 1*F59 + 1*F60 - 2*F61 - 1*F2 + 1*F3 - 1*F4 - 1*F5
+ 1*G104 - 1*G107 + 1*G111 - 1*G112 + 1*G118 + 1*G122 - 1*G124 - 1*G3 +
2*G4 - 1*G15 - 1*G17 + 1*G21 + 1*G23 - 1*G27 - 2*G29 + 2*G33 + 1*G35 -
1*G37 - 1*H104 + 2*H107 + 1*H108 - 1*H122 + 1*H123 + 1*H133 + 1*H134 +
1*H137 + 1*H141 + 1*H143 + 1*H145 + 1*H147 + 1*H148 - 1*H149 - 1*H151 +
1*H154 + 1*H155 + 1*H157 + 1*H160 - 2*H161 - 1*H162 - 1*H164 + 1*H165 +
1*H169 - 1*H171 + 1*H172 + 1*H174 - 1*H176 + 1*H182 + 1*H183 + 1*H185 +
3*H186 + 1*H192 + 1*H193 - 1*H195 - 1*H207 - 1*H209 + 1*H210 + 1*H213 +
1*H216 - 1*H219 - 1*H221 - 1*H226 - 1*H229

J105 * J361 = 1*B3 + 1*B0 - 1*C3 - 1*C0 + 1*C6 - 1*D11 + 1*D12 - 1*D13 +
1*D14 - 1*E12 - 2*E14 + 1*E16 + 1*E18 - 1*E19 - 1*E21 - 1*E22 + 1*F44 -
1*F48 + 1*F49 - 1*F50 - 1*F60 + 1*F61 - 2*F62 - 1*F3 + 1*F4 - 1*F5 - 1*F6
+ 1*G105 - 1*G108 + 1*G112 - 1*G113 + 1*G119 + 1*G123 - 1*G125 - 1*G4 +
2*G5 - 1*G16 - 1*G18 + 1*G22 + 1*G24 - 1*G28 - 2*G30 + 2*G34 + 1*G36 -
1*G38 - 1*H105 + 2*H108 + 1*H109 - 1*H123 + 1*H124 + 1*H134 + 1*H135 +
1*H138 + 1*H142 + 1*H144 + 1*H146 + 1*H148 + 1*H149 - 1*H150 - 1*H152 +

1*H155 + 1*H156 + 1*H158 + 1*H161 - 2*H162 - 1*H163 - 1*H165 + 1*H166 +
1*H170 - 1*H172 + 1*H173 + 1*H175 - 1*H177 + 1*H183 + 1*H184 + 1*H186 +
3*H187 + 1*H193 + 1*H194 - 1*H196 - 1*H208 - 1*H210 + 1*H211 + 1*H214 +
1*H217 - 1*H220 - 1*H222 - 1*H227 - 1*H230

J106 * J362 = 1*B0 + 1*B1 - 1*C0 - 1*C6 + 1*C1 - 1*D12 + 1*D13 - 1*D14 +
1*D15 - 1*E13 - 2*E15 + 1*E17 + 1*E19 - 1*E20 - 1*E22 - 1*E23 + 1*F45 -
1*F49 + 1*F50 - 1*F51 - 1*F61 + 1*F62 - 2*F63 - 1*F4 + 1*F5 - 1*F6 - 1*F7
+ 1*G106 - 1*G109 + 1*G113 - 1*G114 + 1*G120 + 1*G124 - 1*G126 - 1*G5 +
2*G6 - 1*G17 - 1*G19 + 1*G23 + 1*G25 - 1*G29 - 2*G31 + 2*G35 + 1*G37 -
1*G39 - 1*H106 + 2*H109 + 1*H110 - 1*H124 + 1*H125 + 1*H135 + 1*H136 +
1*H139 + 1*H143 + 1*H145 + 1*H147 + 1*H149 + 1*H150 - 1*H151 - 1*H153 +
1*H156 + 1*H157 + 1*H159 + 1*H162 - 2*H163 - 1*H164 - 1*H166 + 1*H167 +
1*H171 - 1*H173 + 1*H174 + 1*H176 - 1*H178 + 1*H184 + 1*H185 + 1*H187 +
3*H188 + 1*H194 + 1*H195 - 1*H197 - 1*H209 - 1*H211 + 1*H212 + 1*H215 +
1*H218 - 1*H221 - 1*H223 - 1*H228 - 1*H231

J107 * J363 = 1*B1 + 1*B2 - 1*C6 - 1*C1 + 1*C7 - 1*D13 + 1*D14 - 1*D15 +
1*D0 - 1*E14 - 2*E16 + 1*E18 + 1*E20 - 1*E21 - 1*E23 - 1*E24 + 1*F46 -
1*F50 + 1*F51 - 1*F52 - 1*F62 + 1*F63 - 2*F0 - 1*F5 + 1*F6 - 1*F7 - 1*F8
+ 1*G107 - 1*G110 + 1*G114 - 1*G115 + 1*G121 + 1*G125 - 1*G127 - 1*G6 +
2*G7 - 1*G18 - 1*G20 + 1*G24 + 1*G26 - 1*G30 - 2*G32 + 2*G36 + 1*G38 -
1*G40 - 1*H107 + 2*H110 + 1*H111 - 1*H125 + 1*H126 + 1*H136 + 1*H137 +
1*H140 + 1*H144 + 1*H146 + 1*H148 + 1*H150 + 1*H151 - 1*H152 - 1*H154 +
1*H157 + 1*H158 + 1*H160 + 1*H163 - 2*H164 - 1*H165 - 1*H167 + 1*H168 +
1*H172 - 1*H174 + 1*H175 + 1*H177 - 1*H179 + 1*H185 + 1*H186 + 1*H188 +
3*H189 + 1*H195 + 1*H196 - 1*H198 - 1*H210 - 1*H212 + 1*H213 + 1*H216 +
1*H219 - 1*H222 - 1*H224 - 1*H229 - 1*H232

J108 * J364 = 1*B2 + 1*B3 - 1*C1 - 1*C7 + 1*C4 - 1*D14 + 1*D15 - 1*D0 +
1*D1 - 1*E15 - 2*E17 + 1*E19 + 1*E21 - 1*E22 - 1*E24 - 1*E25 + 1*F47 -
1*F51 + 1*F52 - 1*F53 - 1*F63 + 1*F0 - 2*F1 - 1*F6 + 1*F7 - 1*F8 - 1*F9 +
1*G108 - 1*G111 + 1*G115 - 1*G116 + 1*G122 + 1*G126 - 1*G0 - 1*G7 + 2*G8
- 1*G19 - 1*G21 + 1*G25 + 1*G27 - 1*G31 - 2*G33 + 2*G37 + 1*G39 - 1*G41 -
1*H108 + 2*H111 + 1*H112 - 1*H126 + 1*H127 + 1*H137 + 1*H138 + 1*H141 +
1*H145 + 1*H147 + 1*H149 + 1*H151 + 1*H152 - 1*H153 - 1*H155 + 1*H158 +
1*H159 + 1*H161 + 1*H164 - 2*H165 - 1*H166 - 1*H168 + 1*H169 + 1*H173 -
1*H175 + 1*H176 + 1*H178 - 1*H180 + 1*H186 + 1*H187 + 1*H189 + 3*H190 +
1*H196 + 1*H197 - 1*H199 - 1*H211 - 1*H213 + 1*H214 + 1*H217 + 1*H220 -
1*H223 - 1*H225 - 1*H230 - 1*H233

J109 * J365 = 1*B3 + 1*B0 - 1*C7 - 1*C4 + 1*C2 - 1*D15 + 1*D0 - 1*D1 +
1*D2 - 1*E16 - 2*E18 + 1*E20 + 1*E22 - 1*E23 - 1*E25 - 1*E26 + 1*F48 -
1*F52 + 1*F53 - 1*F54 - 1*F0 + 1*F1 - 2*F2 - 1*F7 + 1*F8 - 1*F9 - 1*F10 +
1*G109 - 1*G112 + 1*G116 - 1*G117 + 1*G123 + 1*G127 - 1*G1 - 1*G8 + 2*G9
- 1*G20 - 1*G22 + 1*G26 + 1*G28 - 1*G32 - 2*G34 + 2*G38 + 1*G40 - 1*G42 -
1*H109 + 2*H112 + 1*H113 - 1*H127 + 1*H128 + 1*H138 + 1*H139 + 1*H142 +
1*H146 + 1*H148 + 1*H150 + 1*H152 + 1*H153 - 1*H154 - 1*H156 + 1*H159 +
1*H160 + 1*H162 + 1*H165 - 2*H166 - 1*H167 - 1*H169 + 1*H170 + 1*H174 -
1*H176 + 1*H177 + 1*H179 - 1*H181 + 1*H187 + 1*H188 + 1*H190 + 3*H191 +
1*H197 + 1*H198 - 1*H200 - 1*H212 - 1*H214 + 1*H215 + 1*H218 + 1*H221 -
1*H224 - 1*H226 - 1*H231 - 1*H234

J110 * J366 = 1*B0 + 1*B1 - 1*C4 - 1*C2 + 1*C5 - 1*D0 + 1*D1 - 1*D2 +
1*D3 - 1*E17 - 2*E19 + 1*E21 + 1*E23 - 1*E24 - 1*E26 - 1*E27 + 1*F49 -
1*F53 + 1*F54 - 1*F55 - 1*F1 + 1*F2 - 2*F3 - 1*F8 + 1*F9 - 1*F10 - 1*F11
+ 1*G110 - 1*G113 + 1*G117 - 1*G118 + 1*G124 + 1*G0 - 1*G2 - 1*G9 + 2*G10
- 1*G21 - 1*G23 + 1*G27 + 1*G29 - 1*G33 - 2*G35 + 2*G39 + 1*G41 - 1*G43 -
1*H110 + 2*H113 + 1*H114 - 1*H128 + 1*H129 + 1*H139 + 1*H140 + 1*H143 +
1*H147 + 1*H149 + 1*H151 + 1*H153 + 1*H154 - 1*H155 - 1*H157 + 1*H160 +

1*H161 + 1*H163 + 1*H166 - 2*H167 - 1*H168 - 1*H170 + 1*H171 + 1*H175 -
1*H177 + 1*H178 + 1*H180 - 1*H182 + 1*H188 + 1*H189 + 1*H191 + 3*H192 +
1*H198 + 1*H199 - 1*H201 - 1*H213 - 1*H215 + 1*H216 + 1*H219 + 1*H222 -
1*H225 - 1*H227 - 1*H232 - 1*H235

J111 * J367 = 1*B1 + 1*B2 - 1*C2 - 1*C5 + 1*C3 - 1*D1 + 1*D2 - 1*D3 +
1*D4 - 1*E18 - 2*E20 + 1*E22 + 1*E24 - 1*E25 - 1*E27 - 1*E28 + 1*F50 -
1*F54 + 1*F55 - 1*F56 - 1*F2 + 1*F3 - 2*F4 - 1*F9 + 1*F10 - 1*F11 - 1*F12
+ 1*G111 - 1*G114 + 1*G118 - 1*G119 + 1*G125 + 1*G1 - 1*G3 - 1*G10 +
2*G11 - 1*G22 - 1*G24 + 1*G28 + 1*G30 - 1*G34 - 2*G36 + 2*G40 + 1*G42 -
1*G44 - 1*H111 + 2*H114 + 1*H115 - 1*H129 + 1*H130 + 1*H140 + 1*H141 +
1*H144 + 1*H148 + 1*H150 + 1*H152 + 1*H154 + 1*H155 - 1*H156 - 1*H158 +
1*H161 + 1*H162 + 1*H164 + 1*H167 - 2*H168 - 1*H169 - 1*H171 + 1*H172 +
1*H176 - 1*H178 + 1*H179 + 1*H181 - 1*H183 + 1*H189 + 1*H190 + 1*H192 +
3*H193 + 1*H199 + 1*H200 - 1*H202 - 1*H214 - 1*H216 + 1*H217 + 1*H220 +
1*H223 - 1*H226 - 1*H228 - 1*H233 - 1*H236

J112 * J368 = 1*B2 + 1*B3 - 1*C5 - 1*C3 + 1*C0 - 1*D2 + 1*D3 - 1*D4 +
1*D5 - 1*E19 - 2*E21 + 1*E23 + 1*E25 - 1*E26 - 1*E28 - 1*E29 + 1*F51 -
1*F55 + 1*F56 - 1*F57 - 1*F3 + 1*F4 - 2*F5 - 1*F10 + 1*F11 - 1*F12 -
1*F13 + 1*G112 - 1*G115 + 1*G119 - 1*G120 + 1*G126 + 1*G2 - 1*G4 - 1*G11
+ 2*G12 - 1*G23 - 1*G25 + 1*G29 + 1*G31 - 1*G35 - 2*G37 + 2*G41 + 1*G43 -
1*G45 - 1*H112 + 2*H115 + 1*H116 - 1*H130 + 1*H131 + 1*H141 + 1*H142 +
1*H145 + 1*H149 + 1*H151 + 1*H153 + 1*H155 + 1*H156 - 1*H157 - 1*H159 +
1*H162 + 1*H163 + 1*H165 + 1*H168 - 2*H169 - 1*H170 - 1*H172 + 1*H173 +
1*H177 - 1*H179 + 1*H180 + 1*H182 - 1*H184 + 1*H190 + 1*H191 + 1*H193 +
3*H194 + 1*H200 + 1*H201 - 1*H203 - 1*H215 - 1*H217 + 1*H218 + 1*H221 +
1*H224 - 1*H227 - 1*H229 - 1*H234 - 1*H237

J113 * J369 = 1*B3 + 1*B0 - 1*C3 - 1*C0 + 1*C6 - 1*D3 + 1*D4 - 1*D5 +
1*D6 - 1*E20 - 2*E22 + 1*E24 + 1*E26 - 1*E27 - 1*E29 - 1*E30 + 1*F52 -
1*F56 + 1*F57 - 1*F58 - 1*F4 + 1*F5 - 2*F6 - 1*F11 + 1*F12 - 1*F13 -
1*F14 + 1*G113 - 1*G116 + 1*G120 - 1*G121 + 1*G127 + 1*G3 - 1*G5 - 1*G12
+ 2*G13 - 1*G24 - 1*G26 + 1*G30 + 1*G32 - 1*G36 - 2*G38 + 2*G42 + 1*G44 -
1*G46 - 1*H113 + 2*H116 + 1*H117 - 1*H131 + 1*H132 + 1*H142 + 1*H143 +
1*H146 + 1*H150 + 1*H152 + 1*H154 + 1*H156 + 1*H157 - 1*H158 - 1*H160 +
1*H163 + 1*H164 + 1*H166 + 1*H169 - 2*H170 - 1*H171 - 1*H173 + 1*H174 +
1*H178 - 1*H180 + 1*H181 + 1*H183 - 1*H185 + 1*H191 + 1*H192 + 1*H194 +
3*H195 + 1*H201 + 1*H202 - 1*H204 - 1*H216 - 1*H218 + 1*H219 + 1*H222 +
1*H225 - 1*H228 - 1*H230 - 1*H235 - 1*H238

J114 * J370 = 1*B0 + 1*B1 - 1*C0 - 1*C6 + 1*C1 - 1*D4 + 1*D5 - 1*D6 +
1*D7 - 1*E21 - 2*E23 + 1*E25 + 1*E27 - 1*E28 - 1*E30 - 1*E31 + 1*F53 -
1*F57 + 1*F58 - 1*F59 - 1*F5 + 1*F6 - 2*F7 - 1*F12 + 1*F13 - 1*F14 -
1*F15 + 1*G114 - 1*G117 + 1*G121 - 1*G122 + 1*G0 + 1*G4 - 1*G6 - 1*G13 +
2*G14 - 1*G25 - 1*G27 + 1*G31 + 1*G33 - 1*G37 - 2*G39 + 2*G43 + 1*G45 -
1*G47 - 1*H114 + 2*H117 + 1*H118 - 1*H132 + 1*H133 + 1*H143 + 1*H144 +
1*H147 + 1*H151 + 1*H153 + 1*H155 + 1*H157 + 1*H158 - 1*H159 - 1*H161 +
1*H164 + 1*H165 + 1*H167 + 1*H170 - 2*H171 - 1*H172 - 1*H174 + 1*H175 +
1*H179 - 1*H181 + 1*H182 + 1*H184 - 1*H186 + 1*H192 + 1*H193 + 1*H195 +
3*H196 + 1*H202 + 1*H203 - 1*H205 - 1*H217 - 1*H219 + 1*H220 + 1*H223 +
1*H226 - 1*H229 - 1*H231 - 1*H236 - 1*H239

J115 * J371 = 1*B1 + 1*B2 - 1*C6 - 1*C1 + 1*C7 - 1*D5 + 1*D6 - 1*D7 +
1*D8 - 1*E22 - 2*E24 + 1*E26 + 1*E28 - 1*E29 - 1*E31 - 1*E0 + 1*F54 -
1*F58 + 1*F59 - 1*F60 - 1*F6 + 1*F7 - 2*F8 - 1*F13 + 1*F14 - 1*F15 -
1*F16 + 1*G115 - 1*G118 + 1*G122 - 1*G123 + 1*G1 + 1*G5 - 1*G7 - 1*G14 +
2*G15 - 1*G26 - 1*G28 + 1*G32 + 1*G34 - 1*G38 - 2*G40 + 2*G44 + 1*G46 -
1*G48 - 1*H115 + 2*H118 + 1*H119 - 1*H133 + 1*H134 + 1*H144 + 1*H145 +
1*H148 + 1*H152 + 1*H154 + 1*H156 + 1*H158 + 1*H159 - 1*H160 - 1*H162 +

1*H165 + 1*H166 + 1*H168 + 1*H171 - 2*H172 - 1*H173 - 1*H175 + 1*H176 +
1*H180 - 1*H182 + 1*H183 + 1*H185 - 1*H187 + 1*H193 + 1*H194 + 1*H196 +
3*H197 + 1*H203 + 1*H204 - 1*H206 - 1*H218 - 1*H220 + 1*H221 + 1*H224 +
1*H227 - 1*H230 - 1*H232 - 1*H237 - 1*H240

J116 * J372 = 1*B2 + 1*B3 - 1*C1 - 1*C7 + 1*C4 - 1*D6 + 1*D7 - 1*D8 +
1*D9 - 1*E23 - 2*E25 + 1*E27 + 1*E29 - 1*E30 - 1*E0 - 1*E1 + 1*F55 -
1*F59 + 1*F60 - 1*F61 - 1*F7 + 1*F8 - 2*F9 - 1*F14 + 1*F15 - 1*F16 -
1*F17 + 1*G116 - 1*G119 + 1*G123 - 1*G124 + 1*G2 + 1*G6 - 1*G8 - 1*G15 +
2*G16 - 1*G27 - 1*G29 + 1*G33 + 1*G35 - 1*G39 - 2*G41 + 2*G45 + 1*G47 -
1*G49 - 1*H116 + 2*H119 + 1*H120 - 1*H134 + 1*H135 + 1*H145 + 1*H146 +
1*H149 + 1*H153 + 1*H155 + 1*H157 + 1*H159 + 1*H160 - 1*H161 - 1*H163 +
1*H166 + 1*H167 + 1*H169 + 1*H172 - 2*H173 - 1*H174 - 1*H176 + 1*H177 +
1*H181 - 1*H183 + 1*H184 + 1*H186 - 1*H188 + 1*H194 + 1*H195 + 1*H197 +
3*H198 + 1*H204 + 1*H205 - 1*H207 - 1*H219 - 1*H221 + 1*H222 + 1*H225 +
1*H228 - 1*H231 - 1*H233 - 1*H238 - 1*H241

J117 * J373 = 1*B3 + 1*B0 - 1*C7 - 1*C4 + 1*C2 - 1*D7 + 1*D8 - 1*D9 +
1*D10 - 1*E24 - 2*E26 + 1*E28 + 1*E30 - 1*E31 - 1*E1 - 1*E2 + 1*F56 -
1*F60 + 1*F61 - 1*F62 - 1*F8 + 1*F9 - 2*F10 - 1*F15 + 1*F16 - 1*F17 -
1*F18 + 1*G117 - 1*G120 + 1*G124 - 1*G125 + 1*G3 + 1*G7 - 1*G9 - 1*G16 +
2*G17 - 1*G28 - 1*G30 + 1*G34 + 1*G36 - 1*G40 - 2*G42 + 2*G46 + 1*G48 -
1*G50 - 1*H117 + 2*H120 + 1*H121 - 1*H135 + 1*H136 + 1*H146 + 1*H147 +
1*H150 + 1*H154 + 1*H156 + 1*H158 + 1*H160 + 1*H161 - 1*H162 - 1*H164 +
1*H167 + 1*H168 + 1*H170 + 1*H173 - 2*H174 - 1*H175 - 1*H177 + 1*H178 +
1*H182 - 1*H184 + 1*H185 + 1*H187 - 1*H189 + 1*H195 + 1*H196 + 1*H198 +
3*H199 + 1*H205 + 1*H206 - 1*H208 - 1*H220 - 1*H222 + 1*H223 + 1*H226 +
1*H229 - 1*H232 - 1*H234 - 1*H239 - 1*H242

J118 * J374 = 1*B0 + 1*B1 - 1*C4 - 1*C2 + 1*C5 - 1*D8 + 1*D9 - 1*D10 +
1*D11 - 1*E25 - 2*E27 + 1*E29 + 1*E31 - 1*E0 - 1*E2 - 1*E3 + 1*F57 -
1*F61 + 1*F62 - 1*F63 - 1*F9 + 1*F10 - 2*F11 - 1*F16 + 1*F17 - 1*F18 -
1*F19 + 1*G118 - 1*G121 + 1*G125 - 1*G126 + 1*G4 + 1*G8 - 1*G10 - 1*G17 +
2*G18 - 1*G29 - 1*G31 + 1*G35 + 1*G37 - 1*G41 - 2*G43 + 2*G47 + 1*G49 -
1*G51 - 1*H118 + 2*H121 + 1*H122 - 1*H136 + 1*H137 + 1*H147 + 1*H148 +
1*H151 + 1*H155 + 1*H157 + 1*H159 + 1*H161 + 1*H162 - 1*H163 - 1*H165 +
1*H168 + 1*H169 + 1*H171 + 1*H174 - 2*H175 - 1*H176 - 1*H178 + 1*H179 +
1*H183 - 1*H185 + 1*H186 + 1*H188 - 1*H190 + 1*H196 + 1*H197 + 1*H199 +
3*H200 + 1*H206 + 1*H207 - 1*H209 - 1*H221 - 1*H223 + 1*H224 + 1*H227 +
1*H230 - 1*H233 - 1*H235 - 1*H240 - 1*H243

J119 * J375 = 1*B1 + 1*B2 - 1*C2 - 1*C5 + 1*C3 - 1*D9 + 1*D10 - 1*D11 +
1*D12 - 1*E26 - 2*E28 + 1*E30 + 1*E0 - 1*E1 - 1*E3 - 1*E4 + 1*F58 - 1*F62
+ 1*F63 - 1*F0 - 1*F10 + 1*F11 - 2*F12 - 1*F17 + 1*F18 - 1*F19 - 1*F20 +
1*G119 - 1*G122 + 1*G126 - 1*G127 + 1*G5 + 1*G9 - 1*G11 - 1*G18 + 2*G19 -
1*G30 - 1*G32 + 1*G36 + 1*G38 - 1*G42 - 2*G44 + 2*G48 + 1*G50 - 1*G52 -
1*H119 + 2*H122 + 1*H123 - 1*H137 + 1*H138 + 1*H148 + 1*H149 + 1*H152 +
1*H156 + 1*H158 + 1*H160 + 1*H162 + 1*H163 - 1*H164 - 1*H166 + 1*H169 +
1*H170 + 1*H172 + 1*H175 - 2*H176 - 1*H177 - 1*H179 + 1*H180 + 1*H184 -
1*H186 + 1*H187 + 1*H189 - 1*H191 + 1*H197 + 1*H198 + 1*H200 + 3*H201 +
1*H207 + 1*H208 - 1*H210 - 1*H222 - 1*H224 + 1*H225 + 1*H228 + 1*H231 -
1*H234 - 1*H236 - 1*H241 - 1*H244

J120 * J376 = 1*B2 + 1*B3 - 1*C5 - 1*C3 + 1*C0 - 1*D10 + 1*D11 - 1*D12 +
1*D13 - 1*E27 - 2*E29 + 1*E31 + 1*E1 - 1*E2 - 1*E4 - 1*E5 + 1*F59 - 1*F63
+ 1*F0 - 1*F1 - 1*F11 + 1*F12 - 2*F13 - 1*F18 + 1*F19 - 1*F20 - 1*F21 +
1*G120 - 1*G123 + 1*G127 - 1*G0 + 1*G6 + 1*G10 - 1*G12 - 1*G19 + 2*G20 -
1*G31 - 1*G33 + 1*G37 + 1*G39 - 1*G43 - 2*G45 + 2*G49 + 1*G51 - 1*G53 -
1*H120 + 2*H123 + 1*H124 - 1*H138 + 1*H139 + 1*H149 + 1*H150 + 1*H153 +
1*H157 + 1*H159 + 1*H161 + 1*H163 + 1*H164 - 1*H165 - 1*H167 + 1*H170 +

$$\begin{aligned}
& 1*H171 + 1*H173 + 1*H176 - 2*H177 - 1*H178 - 1*H180 + 1*H181 + 1*H185 - \\
& 1*H187 + 1*H188 + 1*H190 - 1*H192 + 1*H198 + 1*H199 + 1*H201 + 3*H202 + \\
& 1*H208 + 1*H209 - 1*H211 - 1*H223 - 1*H225 + 1*H226 + 1*H229 + 1*H232 - \\
& 1*H235 - 1*H237 - 1*H242 - 1*H245
\end{aligned}$$

$$\begin{aligned}
J121 * J377 = & 1*B3 + 1*B0 - 1*C3 - 1*C0 + 1*C6 - 1*D11 + 1*D12 - 1*D13 + \\
& 1*D14 - 1*E28 - 2*E30 + 1*E0 + 1*E2 - 1*E3 - 1*E5 - 1*E6 + 1*F60 - 1*F0 + \\
& 1*F1 - 1*F2 - 1*F12 + 1*F13 - 2*F14 - 1*F19 + 1*F20 - 1*F21 - 1*F22 + \\
& 1*G121 - 1*G124 + 1*G0 - 1*G1 + 1*G7 + 1*G11 - 1*G13 - 1*G20 + 2*G21 - \\
& 1*G32 - 1*G34 + 1*G38 + 1*G40 - 1*G44 - 2*G46 + 2*G50 + 1*G52 - 1*G54 - \\
& 1*H121 + 2*H124 + 1*H125 - 1*H139 + 1*H140 + 1*H150 + 1*H151 + 1*H154 + \\
& 1*H158 + 1*H160 + 1*H162 + 1*H164 + 1*H165 - 1*H166 - 1*H168 + 1*H171 + \\
& 1*H172 + 1*H174 + 1*H177 - 2*H178 - 1*H179 - 1*H181 + 1*H182 + 1*H186 - \\
& 1*H188 + 1*H189 + 1*H191 - 1*H193 + 1*H199 + 1*H200 + 1*H202 + 3*H203 + \\
& 1*H209 + 1*H210 - 1*H212 - 1*H224 - 1*H226 + 1*H227 + 1*H230 + 1*H233 - \\
& 1*H236 - 1*H238 - 1*H243 - 1*H246
\end{aligned}$$

$$\begin{aligned}
J122 * J378 = & 1*B0 + 1*B1 - 1*C0 - 1*C6 + 1*C1 - 1*D12 + 1*D13 - 1*D14 + \\
& 1*D15 - 1*E29 - 2*E31 + 1*E1 + 1*E3 - 1*E4 - 1*E6 - 1*E7 + 1*F61 - 1*F1 + \\
& 1*F2 - 1*F3 - 1*F13 + 1*F14 - 2*F15 - 1*F20 + 1*F21 - 1*F22 - 1*F23 + \\
& 1*G122 - 1*G125 + 1*G1 - 1*G2 + 1*G8 + 1*G12 - 1*G14 - 1*G21 + 2*G22 - \\
& 1*G33 - 1*G35 + 1*G39 + 1*G41 - 1*G45 - 2*G47 + 2*G51 + 1*G53 - 1*G55 - \\
& 1*H122 + 2*H125 + 1*H126 - 1*H140 + 1*H141 + 1*H151 + 1*H152 + 1*H155 + \\
& 1*H159 + 1*H161 + 1*H163 + 1*H165 + 1*H166 - 1*H167 - 1*H169 + 1*H172 + \\
& 1*H173 + 1*H175 + 1*H178 - 2*H179 - 1*H180 - 1*H182 + 1*H183 + 1*H187 - \\
& 1*H189 + 1*H190 + 1*H192 - 1*H194 + 1*H200 + 1*H201 + 1*H203 + 3*H204 + \\
& 1*H210 + 1*H211 - 1*H213 - 1*H225 - 1*H227 + 1*H228 + 1*H231 + 1*H234 - \\
& 1*H237 - 1*H239 - 1*H244 - 1*H247
\end{aligned}$$

$$\begin{aligned}
J123 * J379 = & 1*B1 + 1*B2 - 1*C6 - 1*C1 + 1*C7 - 1*D13 + 1*D14 - 1*D15 + \\
& 1*D0 - 1*E30 - 2*E0 + 1*E2 + 1*E4 - 1*E5 - 1*E7 - 1*E8 + 1*F62 - 1*F2 + \\
& 1*F3 - 1*F4 - 1*F14 + 1*F15 - 2*F16 - 1*F21 + 1*F22 - 1*F23 - 1*F24 + \\
& 1*G123 - 1*G126 + 1*G2 - 1*G3 + 1*G9 + 1*G13 - 1*G15 - 1*G22 + 2*G23 - \\
& 1*G34 - 1*G36 + 1*G40 + 1*G42 - 1*G46 - 2*G48 + 2*G52 + 1*G54 - 1*G56 - \\
& 1*H123 + 2*H126 + 1*H127 - 1*H141 + 1*H142 + 1*H152 + 1*H153 + 1*H156 + \\
& 1*H160 + 1*H162 + 1*H164 + 1*H166 + 1*H167 - 1*H168 - 1*H170 + 1*H173 + \\
& 1*H174 + 1*H176 + 1*H179 - 2*H180 - 1*H181 - 1*H183 + 1*H184 + 1*H188 - \\
& 1*H190 + 1*H191 + 1*H193 - 1*H195 + 1*H201 + 1*H202 + 1*H204 + 3*H205 + \\
& 1*H211 + 1*H212 - 1*H214 - 1*H226 - 1*H228 + 1*H229 + 1*H232 + 1*H235 - \\
& 1*H238 - 1*H240 - 1*H245 - 1*H248
\end{aligned}$$

$$\begin{aligned}
J124 * J380 = & 1*B2 + 1*B3 - 1*C1 - 1*C7 + 1*C4 - 1*D14 + 1*D15 - 1*D0 + \\
& 1*D1 - 1*E31 - 2*E1 + 1*E3 + 1*E5 - 1*E6 - 1*E8 - 1*E9 + 1*F63 - 1*F3 + \\
& 1*F4 - 1*F5 - 1*F15 + 1*F16 - 2*F17 - 1*F22 + 1*F23 - 1*F24 - 1*F25 + \\
& 1*G124 - 1*G127 + 1*G3 - 1*G4 + 1*G10 + 1*G14 - 1*G16 - 1*G23 + 2*G24 - \\
& 1*G35 - 1*G37 + 1*G41 + 1*G43 - 1*G47 - 2*G49 + 2*G53 + 1*G55 - 1*G57 - \\
& 1*H124 + 2*H127 + 1*H128 - 1*H142 + 1*H143 + 1*H153 + 1*H154 + 1*H157 + \\
& 1*H161 + 1*H163 + 1*H165 + 1*H167 + 1*H168 - 1*H169 - 1*H171 + 1*H174 + \\
& 1*H175 + 1*H177 + 1*H180 - 2*H181 - 1*H182 - 1*H184 + 1*H185 + 1*H189 - \\
& 1*H191 + 1*H192 + 1*H194 - 1*H196 + 1*H202 + 1*H203 + 1*H205 + 3*H206 + \\
& 1*H212 + 1*H213 - 1*H215 - 1*H227 - 1*H229 + 1*H230 + 1*H233 + 1*H236 - \\
& 1*H239 - 1*H241 - 1*H246 - 1*H249
\end{aligned}$$

$$\begin{aligned}
J125 * J381 = & 1*B3 + 1*B0 - 1*C7 - 1*C4 + 1*C2 - 1*D15 + 1*D0 - 1*D1 + \\
& 1*D2 - 1*E0 - 2*E2 + 1*E4 + 1*E6 - 1*E7 - 1*E9 - 1*E10 + 1*F0 - 1*F4 + \\
& 1*F5 - 1*F6 - 1*F16 + 1*F17 - 2*F18 - 1*F23 + 1*F24 - 1*F25 - 1*F26 + \\
& 1*G125 - 1*G0 + 1*G4 - 1*G5 + 1*G11 + 1*G15 - 1*G17 - 1*G24 + 2*G25 - \\
& 1*G36 - 1*G38 + 1*G42 + 1*G44 - 1*G48 - 2*G50 + 2*G54 + 1*G56 - 1*G58 - \\
& 1*H125 + 2*H128 + 1*H129 - 1*H143 + 1*H144 + 1*H154 + 1*H155 + 1*H158 + \\
& 1*H162 + 1*H164 + 1*H166 + 1*H168 + 1*H169 - 1*H170 - 1*H172 + 1*H175 +
\end{aligned}$$

$$\begin{aligned}
&1*H176 + 1*H178 + 1*H181 - 2*H182 - 1*H183 - 1*H185 + 1*H186 + 1*H190 - \\
&1*H192 + 1*H193 + 1*H195 - 1*H197 + 1*H203 + 1*H204 + 1*H206 + 3*H207 + \\
&1*H213 + 1*H214 - 1*H216 - 1*H228 - 1*H230 + 1*H231 + 1*H234 + 1*H237 - \\
&1*H240 - 1*H242 - 1*H247 - 1*H250
\end{aligned}$$

$$\begin{aligned}
J126 * J382 = &1*B0 + 1*B1 - 1*C4 - 1*C2 + 1*C5 - 1*D0 + 1*D1 - 1*D2 + \\
&1*D3 - 1*E1 - 2*E3 + 1*E5 + 1*E7 - 1*E8 - 1*E10 - 1*E11 + 1*F1 - 1*F5 + \\
&1*F6 - 1*F7 - 1*F17 + 1*F18 - 2*F19 - 1*F24 + 1*F25 - 1*F26 - 1*F27 + \\
&1*G126 - 1*G1 + 1*G5 - 1*G6 + 1*G12 + 1*G16 - 1*G18 - 1*G25 + 2*G26 - \\
&1*G37 - 1*G39 + 1*G43 + 1*G45 - 1*G49 - 2*G51 + 2*G55 + 1*G57 - 1*G59 - \\
&1*H126 + 2*H129 + 1*H130 - 1*H144 + 1*H145 + 1*H155 + 1*H156 + 1*H159 + \\
&1*H163 + 1*H165 + 1*H167 + 1*H169 + 1*H170 - 1*H171 - 1*H173 + 1*H176 + \\
&1*H177 + 1*H179 + 1*H182 - 2*H183 - 1*H184 - 1*H186 + 1*H187 + 1*H191 - \\
&1*H193 + 1*H194 + 1*H196 - 1*H198 + 1*H204 + 1*H205 + 1*H207 + 3*H208 + \\
&1*H214 + 1*H215 - 1*H217 - 1*H229 - 1*H231 + 1*H232 + 1*H235 + 1*H238 - \\
&1*H241 - 1*H243 - 1*H248 - 1*H251
\end{aligned}$$

$$\begin{aligned}
J127 * J383 = &1*B1 + 1*B2 - 1*C2 - 1*C5 + 1*C3 - 1*D1 + 1*D2 - 1*D3 + \\
&1*D4 - 1*E2 - 2*E4 + 1*E6 + 1*E8 - 1*E9 - 1*E11 - 1*E12 + 1*F2 - 1*F6 + \\
&1*F7 - 1*F8 - 1*F18 + 1*F19 - 2*F20 - 1*F25 + 1*F26 - 1*F27 - 1*F28 + \\
&1*G127 - 1*G2 + 1*G6 - 1*G7 + 1*G13 + 1*G17 - 1*G19 - 1*G26 + 2*G27 - \\
&1*G38 - 1*G40 + 1*G44 + 1*G46 - 1*G50 - 2*G52 + 2*G56 + 1*G58 - 1*G60 - \\
&1*H127 + 2*H130 + 1*H131 - 1*H145 + 1*H146 + 1*H156 + 1*H157 + 1*H160 + \\
&1*H164 + 1*H166 + 1*H168 + 1*H170 + 1*H171 - 1*H172 - 1*H174 + 1*H177 + \\
&1*H178 + 1*H180 + 1*H183 - 2*H184 - 1*H185 - 1*H187 + 1*H188 + 1*H192 - \\
&1*H194 + 1*H195 + 1*H197 - 1*H199 + 1*H205 + 1*H206 + 1*H208 + 3*H209 + \\
&1*H215 + 1*H216 - 1*H218 - 1*H230 - 1*H232 + 1*H233 + 1*H236 + 1*H239 - \\
&1*H242 - 1*H244 - 1*H249 - 1*H252
\end{aligned}$$

$$\begin{aligned}
J128 * J384 = &1*B2 + 1*B3 - 1*C5 - 1*C3 + 1*C0 - 1*D2 + 1*D3 - 1*D4 + \\
&1*D5 - 1*E3 - 2*E5 + 1*E7 + 1*E9 - 1*E10 - 1*E12 - 1*E13 + 1*F3 - 1*F7 + \\
&1*F8 - 1*F9 - 1*F19 + 1*F20 - 2*F21 - 1*F26 + 1*F27 - 1*F28 - 1*F29 + \\
&1*G0 - 1*G3 + 1*G7 - 1*G8 + 1*G14 + 1*G18 - 1*G20 - 1*G27 + 2*G28 - 1*G39 \\
&- 1*G41 + 1*G45 + 1*G47 - 1*G51 - 2*G53 + 2*G57 + 1*G59 - 1*G61 - 1*H128 \\
&+ 2*H131 + 1*H132 - 1*H146 + 1*H147 + 1*H157 + 1*H158 + 1*H161 + 1*H165 + \\
&1*H167 + 1*H169 + 1*H171 + 1*H172 - 1*H173 - 1*H175 + 1*H178 + 1*H179 + \\
&1*H181 + 1*H184 - 2*H185 - 1*H186 - 1*H188 + 1*H189 + 1*H193 - 1*H195 + \\
&1*H196 + 1*H198 - 1*H200 + 1*H206 + 1*H207 + 1*H209 + 3*H210 + 1*H216 + \\
&1*H217 - 1*H219 - 1*H231 - 1*H233 + 1*H234 + 1*H237 + 1*H240 - 1*H243 - \\
&1*H245 - 1*H250 - 1*H253
\end{aligned}$$

$$\begin{aligned}
J129 * J385 = &1*B3 + 1*B0 - 1*C3 - 1*C0 + 1*C6 - 1*D3 + 1*D4 - 1*D5 + \\
&1*D6 - 1*E4 - 2*E6 + 1*E8 + 1*E10 - 1*E11 - 1*E13 - 1*E14 + 1*F4 - 1*F8 + \\
&1*F9 - 1*F10 - 1*F20 + 1*F21 - 2*F22 - 1*F27 + 1*F28 - 1*F29 - 1*F30 + \\
&1*G1 - 1*G4 + 1*G8 - 1*G9 + 1*G15 + 1*G19 - 1*G21 - 1*G28 + 2*G29 - 1*G40 \\
&- 1*G42 + 1*G46 + 1*G48 - 1*G52 - 2*G54 + 2*G58 + 1*G60 - 1*G62 - 1*H129 \\
&+ 2*H132 + 1*H133 - 1*H147 + 1*H148 + 1*H158 + 1*H159 + 1*H162 + 1*H166 + \\
&1*H168 + 1*H170 + 1*H172 + 1*H173 - 1*H174 - 1*H176 + 1*H179 + 1*H180 + \\
&1*H182 + 1*H185 - 2*H186 - 1*H187 - 1*H189 + 1*H190 + 1*H194 - 1*H196 + \\
&1*H197 + 1*H199 - 1*H201 + 1*H207 + 1*H208 + 1*H210 + 3*H211 + 1*H217 + \\
&1*H218 - 1*H220 - 1*H232 - 1*H234 + 1*H235 + 1*H238 + 1*H241 - 1*H244 - \\
&1*H246 - 1*H251 - 1*H254
\end{aligned}$$

$$\begin{aligned}
J130 * J386 = &1*B0 + 1*B1 - 1*C0 - 1*C6 + 1*C1 - 1*D4 + 1*D5 - 1*D6 + \\
&1*D7 - 1*E5 - 2*E7 + 1*E9 + 1*E11 - 1*E12 - 1*E14 - 1*E15 + 1*F5 - 1*F9 + \\
&1*F10 - 1*F11 - 1*F21 + 1*F22 - 2*F23 - 1*F28 + 1*F29 - 1*F30 - 1*F31 + \\
&1*G2 - 1*G5 + 1*G9 - 1*G10 + 1*G16 + 1*G20 - 1*G22 - 1*G29 + 2*G30 - \\
&1*G41 - 1*G43 + 1*G47 + 1*G49 - 1*G53 - 2*G55 + 2*G59 + 1*G61 - 1*G63 - \\
&1*H130 + 2*H133 + 1*H134 - 1*H148 + 1*H149 + 1*H159 + 1*H160 + 1*H163 + \\
&1*H167 + 1*H169 + 1*H171 + 1*H173 + 1*H174 - 1*H175 - 1*H177 + 1*H180 +
\end{aligned}$$

$$\begin{aligned}
& 1^*H181 + 1^*H183 + 1^*H186 - 2^*H187 - 1^*H188 - 1^*H190 + 1^*H191 + 1^*H195 - \\
& 1^*H197 + 1^*H198 + 1^*H200 - 1^*H202 + 1^*H208 + 1^*H209 + 1^*H211 + 3^*H212 + \\
& 1^*H218 + 1^*H219 - 1^*H221 - 1^*H233 - 1^*H235 + 1^*H236 + 1^*H239 + 1^*H242 - \\
& 1^*H245 - 1^*H247 - 1^*H252 - 1^*H255
\end{aligned}$$

$$\begin{aligned}
J131 * J387 = & 1^*B1 + 1^*B2 - 1^*C6 - 1^*C1 + 1^*C7 - 1^*D5 + 1^*D6 - 1^*D7 + \\
& 1^*D8 - 1^*E6 - 2^*E8 + 1^*E10 + 1^*E12 - 1^*E13 - 1^*E15 - 1^*E16 + 1^*F6 - 1^*F10 \\
& + 1^*F11 - 1^*F12 - 1^*F22 + 1^*F23 - 2^*F24 - 1^*F29 + 1^*F30 - 1^*F31 - 1^*F32 + \\
& 1^*G3 - 1^*G6 + 1^*G10 - 1^*G11 + 1^*G17 + 1^*G21 - 1^*G23 - 1^*G30 + 2^*G31 - \\
& 1^*G42 - 1^*G44 + 1^*G48 + 1^*G50 - 1^*G54 - 2^*G56 + 2^*G60 + 1^*G62 - 1^*G64 - \\
& 1^*H131 + 2^*H134 + 1^*H135 - 1^*H149 + 1^*H150 + 1^*H160 + 1^*H161 + 1^*H164 + \\
& 1^*H168 + 1^*H170 + 1^*H172 + 1^*H174 + 1^*H175 - 1^*H176 - 1^*H178 + 1^*H181 + \\
& 1^*H182 + 1^*H184 + 1^*H187 - 2^*H188 - 1^*H189 - 1^*H191 + 1^*H192 + 1^*H196 - \\
& 1^*H198 + 1^*H199 + 1^*H201 - 1^*H203 + 1^*H209 + 1^*H210 + 1^*H212 + 3^*H213 + \\
& 1^*H219 + 1^*H220 - 1^*H222 - 1^*H234 - 1^*H236 + 1^*H237 + 1^*H240 + 1^*H243 - \\
& 1^*H246 - 1^*H248 - 1^*H253 - 1^*H0
\end{aligned}$$

$$\begin{aligned}
J132 * J388 = & 1^*B2 + 1^*B3 - 1^*C1 - 1^*C7 + 1^*C4 - 1^*D6 + 1^*D7 - 1^*D8 + \\
& 1^*D9 - 1^*E7 - 2^*E9 + 1^*E11 + 1^*E13 - 1^*E14 - 1^*E16 - 1^*E17 + 1^*F7 - 1^*F11 \\
& + 1^*F12 - 1^*F13 - 1^*F23 + 1^*F24 - 2^*F25 - 1^*F30 + 1^*F31 - 1^*F32 - 1^*F33 + \\
& 1^*G4 - 1^*G7 + 1^*G11 - 1^*G12 + 1^*G18 + 1^*G22 - 1^*G24 - 1^*G31 + 2^*G32 - \\
& 1^*G43 - 1^*G45 + 1^*G49 + 1^*G51 - 1^*G55 - 2^*G57 + 2^*G61 + 1^*G63 - 1^*G65 - \\
& 1^*H132 + 2^*H135 + 1^*H136 - 1^*H150 + 1^*H151 + 1^*H161 + 1^*H162 + 1^*H165 + \\
& 1^*H169 + 1^*H171 + 1^*H173 + 1^*H175 + 1^*H176 - 1^*H177 - 1^*H179 + 1^*H182 + \\
& 1^*H183 + 1^*H185 + 1^*H188 - 2^*H189 - 1^*H190 - 1^*H192 + 1^*H193 + 1^*H197 - \\
& 1^*H199 + 1^*H200 + 1^*H202 - 1^*H204 + 1^*H210 + 1^*H211 + 1^*H213 + 3^*H214 + \\
& 1^*H220 + 1^*H221 - 1^*H223 - 1^*H235 - 1^*H237 + 1^*H238 + 1^*H241 + 1^*H244 - \\
& 1^*H247 - 1^*H249 - 1^*H254 - 1^*H1
\end{aligned}$$

$$\begin{aligned}
J133 * J389 = & 1^*B3 + 1^*B0 - 1^*C7 - 1^*C4 + 1^*C2 - 1^*D7 + 1^*D8 - 1^*D9 + \\
& 1^*D10 - 1^*E8 - 2^*E10 + 1^*E12 + 1^*E14 - 1^*E15 - 1^*E17 - 1^*E18 + 1^*F8 - \\
& 1^*F12 + 1^*F13 - 1^*F14 - 1^*F24 + 1^*F25 - 2^*F26 - 1^*F31 + 1^*F32 - 1^*F33 - \\
& 1^*F34 + 1^*G5 - 1^*G8 + 1^*G12 - 1^*G13 + 1^*G19 + 1^*G23 - 1^*G25 - 1^*G32 + \\
& 2^*G33 - 1^*G44 - 1^*G46 + 1^*G50 + 1^*G52 - 1^*G56 - 2^*G58 + 2^*G62 + 1^*G64 - \\
& 1^*G66 - 1^*H133 + 2^*H136 + 1^*H137 - 1^*H151 + 1^*H152 + 1^*H162 + 1^*H163 + \\
& 1^*H166 + 1^*H170 + 1^*H172 + 1^*H174 + 1^*H176 + 1^*H177 - 1^*H178 - 1^*H180 + \\
& 1^*H183 + 1^*H184 + 1^*H186 + 1^*H189 - 2^*H190 - 1^*H191 - 1^*H193 + 1^*H194 + \\
& 1^*H198 - 1^*H200 + 1^*H201 + 1^*H203 - 1^*H205 + 1^*H211 + 1^*H212 + 1^*H214 + \\
& 3^*H215 + 1^*H221 + 1^*H222 - 1^*H224 - 1^*H236 - 1^*H238 + 1^*H239 + 1^*H242 + \\
& 1^*H245 - 1^*H248 - 1^*H250 - 1^*H255 - 1^*H2
\end{aligned}$$

$$\begin{aligned}
J134 * J390 = & 1^*B0 + 1^*B1 - 1^*C4 - 1^*C2 + 1^*C5 - 1^*D8 + 1^*D9 - 1^*D10 + \\
& 1^*D11 - 1^*E9 - 2^*E11 + 1^*E13 + 1^*E15 - 1^*E16 - 1^*E18 - 1^*E19 + 1^*F9 - \\
& 1^*F13 + 1^*F14 - 1^*F15 - 1^*F25 + 1^*F26 - 2^*F27 - 1^*F32 + 1^*F33 - 1^*F34 - \\
& 1^*F35 + 1^*G6 - 1^*G9 + 1^*G13 - 1^*G14 + 1^*G20 + 1^*G24 - 1^*G26 - 1^*G33 + \\
& 2^*G34 - 1^*G45 - 1^*G47 + 1^*G51 + 1^*G53 - 1^*G57 - 2^*G59 + 2^*G63 + 1^*G65 - \\
& 1^*G67 - 1^*H134 + 2^*H137 + 1^*H138 - 1^*H152 + 1^*H153 + 1^*H163 + 1^*H164 + \\
& 1^*H167 + 1^*H171 + 1^*H173 + 1^*H175 + 1^*H177 + 1^*H178 - 1^*H179 - 1^*H181 + \\
& 1^*H184 + 1^*H185 + 1^*H187 + 1^*H190 - 2^*H191 - 1^*H192 - 1^*H194 + 1^*H195 + \\
& 1^*H199 - 1^*H201 + 1^*H202 + 1^*H204 - 1^*H206 + 1^*H212 + 1^*H213 + 1^*H215 + \\
& 3^*H216 + 1^*H222 + 1^*H223 - 1^*H225 - 1^*H237 - 1^*H239 + 1^*H240 + 1^*H243 + \\
& 1^*H246 - 1^*H249 - 1^*H251 - 1^*H0 - 1^*H3
\end{aligned}$$

$$\begin{aligned}
J135 * J391 = & 1^*B1 + 1^*B2 - 1^*C2 - 1^*C5 + 1^*C3 - 1^*D9 + 1^*D10 - 1^*D11 + \\
& 1^*D12 - 1^*E10 - 2^*E12 + 1^*E14 + 1^*E16 - 1^*E17 - 1^*E19 - 1^*E20 + 1^*F10 - \\
& 1^*F14 + 1^*F15 - 1^*F16 - 1^*F26 + 1^*F27 - 2^*F28 - 1^*F33 + 1^*F34 - 1^*F35 - \\
& 1^*F36 + 1^*G7 - 1^*G10 + 1^*G14 - 1^*G15 + 1^*G21 + 1^*G25 - 1^*G27 - 1^*G34 + \\
& 2^*G35 - 1^*G46 - 1^*G48 + 1^*G52 + 1^*G54 - 1^*G58 - 2^*G60 + 2^*G64 + 1^*G66 - \\
& 1^*G68 - 1^*H135 + 2^*H138 + 1^*H139 - 1^*H153 + 1^*H154 + 1^*H164 + 1^*H165 + \\
& 1^*H168 + 1^*H172 + 1^*H174 + 1^*H176 + 1^*H178 + 1^*H179 - 1^*H180 - 1^*H182 +
\end{aligned}$$

$$1*H185 + 1*H186 + 1*H188 + 1*H191 - 2*H192 - 1*H193 - 1*H195 + 1*H196 + 1*H200 - 1*H202 + 1*H203 + 1*H205 - 1*H207 + 1*H213 + 1*H214 + 1*H216 + 3*H217 + 1*H223 + 1*H224 - 1*H226 - 1*H238 - 1*H240 + 1*H241 + 1*H244 + 1*H247 - 1*H250 - 1*H252 - 1*H1 - 1*H4$$

$$J136 * J392 = 1*B2 + 1*B3 - 1*C5 - 1*C3 + 1*C0 - 1*D10 + 1*D11 - 1*D12 + 1*D13 - 1*E11 - 2*E13 + 1*E15 + 1*E17 - 1*E18 - 1*E20 - 1*E21 + 1*F11 - 1*F15 + 1*F16 - 1*F17 - 1*F27 + 1*F28 - 2*F29 - 1*F34 + 1*F35 - 1*F36 - 1*F37 + 1*G8 - 1*G11 + 1*G15 - 1*G16 + 1*G22 + 1*G26 - 1*G28 - 1*G35 + 2*G36 - 1*G47 - 1*G49 + 1*G53 + 1*G55 - 1*G59 - 2*G61 + 2*G65 + 1*G67 - 1*G69 - 1*H136 + 2*H139 + 1*H140 - 1*H154 + 1*H155 + 1*H165 + 1*H166 + 1*H169 + 1*H173 + 1*H175 + 1*H177 + 1*H179 + 1*H180 - 1*H181 - 1*H183 + 1*H186 + 1*H187 + 1*H189 + 1*H192 - 2*H193 - 1*H194 - 1*H196 + 1*H197 + 1*H201 - 1*H203 + 1*H204 + 1*H206 - 1*H208 + 1*H214 + 1*H215 + 1*H217 + 3*H218 + 1*H224 + 1*H225 - 1*H227 - 1*H239 - 1*H241 + 1*H242 + 1*H245 + 1*H248 - 1*H251 - 1*H253 - 1*H2 - 1*H5$$

$$J137 * J393 = 1*B3 + 1*B0 - 1*C3 - 1*C0 + 1*C6 - 1*D11 + 1*D12 - 1*D13 + 1*D14 - 1*E12 - 2*E14 + 1*E16 + 1*E18 - 1*E19 - 1*E21 - 1*E22 + 1*F12 - 1*F16 + 1*F17 - 1*F18 - 1*F28 + 1*F29 - 2*F30 - 1*F35 + 1*F36 - 1*F37 - 1*F38 + 1*G9 - 1*G12 + 1*G16 - 1*G17 + 1*G23 + 1*G27 - 1*G29 - 1*G36 + 2*G37 - 1*G48 - 1*G50 + 1*G54 + 1*G56 - 1*G60 - 2*G62 + 2*G66 + 1*G68 - 1*G70 - 1*H137 + 2*H140 + 1*H141 - 1*H155 + 1*H156 + 1*H166 + 1*H167 + 1*H170 + 1*H174 + 1*H176 + 1*H178 + 1*H180 + 1*H181 - 1*H182 - 1*H184 + 1*H187 + 1*H188 + 1*H190 + 1*H193 - 2*H194 - 1*H195 - 1*H197 + 1*H198 + 1*H202 - 1*H204 + 1*H205 + 1*H207 - 1*H209 + 1*H215 + 1*H216 + 1*H218 + 3*H219 + 1*H225 + 1*H226 - 1*H228 - 1*H240 - 1*H242 + 1*H243 + 1*H246 + 1*H249 - 1*H252 - 1*H254 - 1*H3 - 1*H6$$

$$J138 * J394 = 1*B0 + 1*B1 - 1*C0 - 1*C6 + 1*C1 - 1*D12 + 1*D13 - 1*D14 + 1*D15 - 1*E13 - 2*E15 + 1*E17 + 1*E19 - 1*E20 - 1*E22 - 1*E23 + 1*F13 - 1*F17 + 1*F18 - 1*F19 - 1*F29 + 1*F30 - 2*F31 - 1*F36 + 1*F37 - 1*F38 - 1*F39 + 1*G10 - 1*G13 + 1*G17 - 1*G18 + 1*G24 + 1*G28 - 1*G30 - 1*G37 + 2*G38 - 1*G49 - 1*G51 + 1*G55 + 1*G57 - 1*G61 - 2*G63 + 2*G67 + 1*G69 - 1*G71 - 1*H138 + 2*H141 + 1*H142 - 1*H156 + 1*H157 + 1*H167 + 1*H168 + 1*H171 + 1*H175 + 1*H177 + 1*H179 + 1*H181 + 1*H182 - 1*H183 - 1*H185 + 1*H188 + 1*H189 + 1*H191 + 1*H194 - 2*H195 - 1*H196 - 1*H198 + 1*H199 + 1*H203 - 1*H205 + 1*H206 + 1*H208 - 1*H210 + 1*H216 + 1*H217 + 1*H219 + 3*H220 + 1*H226 + 1*H227 - 1*H229 - 1*H241 - 1*H243 + 1*H244 + 1*H247 + 1*H250 - 1*H253 - 1*H255 - 1*H4 - 1*H7$$

$$J139 * J395 = 1*B1 + 1*B2 - 1*C6 - 1*C1 + 1*C7 - 1*D13 + 1*D14 - 1*D15 + 1*D0 - 1*E14 - 2*E16 + 1*E18 + 1*E20 - 1*E21 - 1*E23 - 1*E24 + 1*F14 - 1*F18 + 1*F19 - 1*F20 - 1*F30 + 1*F31 - 2*F32 - 1*F37 + 1*F38 - 1*F39 - 1*F40 + 1*G11 - 1*G14 + 1*G18 - 1*G19 + 1*G25 + 1*G29 - 1*G31 - 1*G38 + 2*G39 - 1*G50 - 1*G52 + 1*G56 + 1*G58 - 1*G62 - 2*G64 + 2*G68 + 1*G70 - 1*G72 - 1*H139 + 2*H142 + 1*H143 - 1*H157 + 1*H158 + 1*H168 + 1*H169 + 1*H172 + 1*H176 + 1*H178 + 1*H180 + 1*H182 + 1*H183 - 1*H184 - 1*H186 + 1*H189 + 1*H190 + 1*H192 + 1*H195 - 2*H196 - 1*H197 - 1*H199 + 1*H200 + 1*H204 - 1*H206 + 1*H207 + 1*H209 - 1*H211 + 1*H217 + 1*H218 + 1*H220 + 3*H221 + 1*H227 + 1*H228 - 1*H230 - 1*H242 - 1*H244 + 1*H245 + 1*H248 + 1*H251 - 1*H254 - 1*H0 - 1*H5 - 1*H8$$

$$J140 * J396 = 1*B2 + 1*B3 - 1*C1 - 1*C7 + 1*C4 - 1*D14 + 1*D15 - 1*D0 + 1*D1 - 1*E15 - 2*E17 + 1*E19 + 1*E21 - 1*E22 - 1*E24 - 1*E25 + 1*F15 - 1*F19 + 1*F20 - 1*F21 - 1*F31 + 1*F32 - 2*F33 - 1*F38 + 1*F39 - 1*F40 - 1*F41 + 1*G12 - 1*G15 + 1*G19 - 1*G20 + 1*G26 + 1*G30 - 1*G32 - 1*G39 + 2*G40 - 1*G51 - 1*G53 + 1*G57 + 1*G59 - 1*G63 - 2*G65 + 2*G69 + 1*G71 - 1*G73 - 1*H140 + 2*H143 + 1*H144 - 1*H158 + 1*H159 + 1*H169 + 1*H170 + 1*H173 + 1*H177 + 1*H179 + 1*H181 + 1*H183 + 1*H184 - 1*H185 - 1*H187 +$$

$$1^*H190 + 1^*H191 + 1^*H193 + 1^*H196 - 2^*H197 - 1^*H198 - 1^*H200 + 1^*H201 + 1^*H205 - 1^*H207 + 1^*H208 + 1^*H210 - 1^*H212 + 1^*H218 + 1^*H219 + 1^*H221 + 3^*H222 + 1^*H228 + 1^*H229 - 1^*H231 - 1^*H243 - 1^*H245 + 1^*H246 + 1^*H249 + 1^*H252 - 1^*H255 - 1^*H1 - 1^*H6 - 1^*H9$$

$$J141 * J397 = 1^*B3 + 1^*B0 - 1^*C7 - 1^*C4 + 1^*C2 - 1^*D15 + 1^*D0 - 1^*D1 + 1^*D2 - 1^*E16 - 2^*E18 + 1^*E20 + 1^*E22 - 1^*E23 - 1^*E25 - 1^*E26 + 1^*F16 - 1^*F20 + 1^*F21 - 1^*F22 - 1^*F32 + 1^*F33 - 2^*F34 - 1^*F39 + 1^*F40 - 1^*F41 - 1^*F42 + 1^*G13 - 1^*G16 + 1^*G20 - 1^*G21 + 1^*G27 + 1^*G31 - 1^*G33 - 1^*G40 + 2^*G41 - 1^*G52 - 1^*G54 + 1^*G58 + 1^*G60 - 1^*G64 - 2^*G66 + 2^*G70 + 1^*G72 - 1^*G74 - 1^*H141 + 2^*H144 + 1^*H145 - 1^*H159 + 1^*H160 + 1^*H170 + 1^*H171 + 1^*H174 + 1^*H178 + 1^*H180 + 1^*H182 + 1^*H184 + 1^*H185 - 1^*H186 - 1^*H188 + 1^*H191 + 1^*H192 + 1^*H194 + 1^*H197 - 2^*H198 - 1^*H199 - 1^*H201 + 1^*H202 + 1^*H206 - 1^*H208 + 1^*H209 + 1^*H211 - 1^*H213 + 1^*H219 + 1^*H220 + 1^*H222 + 3^*H223 + 1^*H229 + 1^*H230 - 1^*H232 - 1^*H244 - 1^*H246 + 1^*H247 + 1^*H250 + 1^*H253 - 1^*H0 - 1^*H2 - 1^*H7 - 1^*H10$$

$$J142 * J398 = 1^*B0 + 1^*B1 - 1^*C4 - 1^*C2 + 1^*C5 - 1^*D0 + 1^*D1 - 1^*D2 + 1^*D3 - 1^*E17 - 2^*E19 + 1^*E21 + 1^*E23 - 1^*E24 - 1^*E26 - 1^*E27 + 1^*F17 - 1^*F21 + 1^*F22 - 1^*F23 - 1^*F33 + 1^*F34 - 2^*F35 - 1^*F40 + 1^*F41 - 1^*F42 - 1^*F43 + 1^*G14 - 1^*G17 + 1^*G21 - 1^*G22 + 1^*G28 + 1^*G32 - 1^*G34 - 1^*G41 + 2^*G42 - 1^*G53 - 1^*G55 + 1^*G59 + 1^*G61 - 1^*G65 - 2^*G67 + 2^*G71 + 1^*G73 - 1^*G75 - 1^*H142 + 2^*H145 + 1^*H146 - 1^*H160 + 1^*H161 + 1^*H171 + 1^*H172 + 1^*H175 + 1^*H179 + 1^*H181 + 1^*H183 + 1^*H185 + 1^*H186 - 1^*H187 - 1^*H189 + 1^*H192 + 1^*H193 + 1^*H195 + 1^*H198 - 2^*H199 - 1^*H200 - 1^*H202 + 1^*H203 + 1^*H207 - 1^*H209 + 1^*H210 + 1^*H212 - 1^*H214 + 1^*H220 + 1^*H221 + 1^*H223 + 3^*H224 + 1^*H230 + 1^*H231 - 1^*H233 - 1^*H245 - 1^*H247 + 1^*H248 + 1^*H251 + 1^*H254 - 1^*H1 - 1^*H3 - 1^*H8 - 1^*H11$$

$$J143 * J399 = 1^*B1 + 1^*B2 - 1^*C2 - 1^*C5 + 1^*C3 - 1^*D1 + 1^*D2 - 1^*D3 + 1^*D4 - 1^*E18 - 2^*E20 + 1^*E22 + 1^*E24 - 1^*E25 - 1^*E27 - 1^*E28 + 1^*F18 - 1^*F22 + 1^*F23 - 1^*F24 - 1^*F34 + 1^*F35 - 2^*F36 - 1^*F41 + 1^*F42 - 1^*F43 - 1^*F44 + 1^*G15 - 1^*G18 + 1^*G22 - 1^*G23 + 1^*G29 + 1^*G33 - 1^*G35 - 1^*G42 + 2^*G43 - 1^*G54 - 1^*G56 + 1^*G60 + 1^*G62 - 1^*G66 - 2^*G68 + 2^*G72 + 1^*G74 - 1^*G76 - 1^*H143 + 2^*H146 + 1^*H147 - 1^*H161 + 1^*H162 + 1^*H172 + 1^*H173 + 1^*H176 + 1^*H180 + 1^*H182 + 1^*H184 + 1^*H186 + 1^*H187 - 1^*H188 - 1^*H190 + 1^*H193 + 1^*H194 + 1^*H196 + 1^*H199 - 2^*H200 - 1^*H201 - 1^*H203 + 1^*H204 + 1^*H208 - 1^*H210 + 1^*H211 + 1^*H213 - 1^*H215 + 1^*H221 + 1^*H222 + 1^*H224 + 3^*H225 + 1^*H231 + 1^*H232 - 1^*H234 - 1^*H246 - 1^*H248 + 1^*H249 + 1^*H252 + 1^*H255 - 1^*H2 - 1^*H4 - 1^*H9 - 1^*H12$$

$$J144 * J400 = 1^*B2 + 1^*B3 - 1^*C5 - 1^*C3 + 1^*C0 - 1^*D2 + 1^*D3 - 1^*D4 + 1^*D5 - 1^*E19 - 2^*E21 + 1^*E23 + 1^*E25 - 1^*E26 - 1^*E28 - 1^*E29 + 1^*F19 - 1^*F23 + 1^*F24 - 1^*F25 - 1^*F35 + 1^*F36 - 2^*F37 - 1^*F42 + 1^*F43 - 1^*F44 - 1^*F45 + 1^*G16 - 1^*G19 + 1^*G23 - 1^*G24 + 1^*G30 + 1^*G34 - 1^*G36 - 1^*G43 + 2^*G44 - 1^*G55 - 1^*G57 + 1^*G61 + 1^*G63 - 1^*G67 - 2^*G69 + 2^*G73 + 1^*G75 - 1^*G77 - 1^*H144 + 2^*H147 + 1^*H148 - 1^*H162 + 1^*H163 + 1^*H173 + 1^*H174 + 1^*H177 + 1^*H181 + 1^*H183 + 1^*H185 + 1^*H187 + 1^*H188 - 1^*H189 - 1^*H191 + 1^*H194 + 1^*H195 + 1^*H197 + 1^*H200 - 2^*H201 - 1^*H202 - 1^*H204 + 1^*H205 + 1^*H209 - 1^*H211 + 1^*H212 + 1^*H214 - 1^*H216 + 1^*H222 + 1^*H223 + 1^*H225 + 3^*H226 + 1^*H232 + 1^*H233 - 1^*H235 - 1^*H247 - 1^*H249 + 1^*H250 + 1^*H253 + 1^*H0 - 1^*H3 - 1^*H5 - 1^*H10 - 1^*H13$$

$$J145 * J401 = 1^*B3 + 1^*B0 - 1^*C3 - 1^*C0 + 1^*C6 - 1^*D3 + 1^*D4 - 1^*D5 + 1^*D6 - 1^*E20 - 2^*E22 + 1^*E24 + 1^*E26 - 1^*E27 - 1^*E29 - 1^*E30 + 1^*F20 - 1^*F24 + 1^*F25 - 1^*F26 - 1^*F36 + 1^*F37 - 2^*F38 - 1^*F43 + 1^*F44 - 1^*F45 - 1^*F46 + 1^*G17 - 1^*G20 + 1^*G24 - 1^*G25 + 1^*G31 + 1^*G35 - 1^*G37 - 1^*G44 + 2^*G45 - 1^*G56 - 1^*G58 + 1^*G62 + 1^*G64 - 1^*G68 - 2^*G70 + 2^*G74 + 1^*G76 - 1^*G78 - 1^*H145 + 2^*H148 + 1^*H149 - 1^*H163 + 1^*H164 + 1^*H174 + 1^*H175 + 1^*H178 + 1^*H182 + 1^*H184 + 1^*H186 + 1^*H188 + 1^*H189 - 1^*H190 - 1^*H192 +$$

$$1*H195 + 1*H196 + 1*H198 + 1*H201 - 2*H202 - 1*H203 - 1*H205 + 1*H206 + 1*H210 - 1*H212 + 1*H213 + 1*H215 - 1*H217 + 1*H223 + 1*H224 + 1*H226 + 3*H227 + 1*H233 + 1*H234 - 1*H236 - 1*H248 - 1*H250 + 1*H251 + 1*H254 + 1*H1 - 1*H4 - 1*H6 - 1*H11 - 1*H14$$

$$J146 * J402 = 1*B0 + 1*B1 - 1*C0 - 1*C6 + 1*C1 - 1*D4 + 1*D5 - 1*D6 + 1*D7 - 1*E21 - 2*E23 + 1*E25 + 1*E27 - 1*E28 - 1*E30 - 1*E31 + 1*F21 - 1*F25 + 1*F26 - 1*F27 - 1*F37 + 1*F38 - 2*F39 - 1*F44 + 1*F45 - 1*F46 - 1*F47 + 1*G18 - 1*G21 + 1*G25 - 1*G26 + 1*G32 + 1*G36 - 1*G38 - 1*G45 + 2*G46 - 1*G57 - 1*G59 + 1*G63 + 1*G65 - 1*G69 - 2*G71 + 2*G75 + 1*G77 - 1*G79 - 1*H146 + 2*H149 + 1*H150 - 1*H164 + 1*H165 + 1*H175 + 1*H176 + 1*H179 + 1*H183 + 1*H185 + 1*H187 + 1*H189 + 1*H190 - 1*H191 - 1*H193 + 1*H196 + 1*H197 + 1*H199 + 1*H202 - 2*H203 - 1*H204 - 1*H206 + 1*H207 + 1*H211 - 1*H213 + 1*H214 + 1*H216 - 1*H218 + 1*H224 + 1*H225 + 1*H227 + 3*H228 + 1*H234 + 1*H235 - 1*H237 - 1*H249 - 1*H251 + 1*H252 + 1*H255 + 1*H2 - 1*H5 - 1*H7 - 1*H12 - 1*H15$$

$$J147 * J403 = 1*B1 + 1*B2 - 1*C6 - 1*C1 + 1*C7 - 1*D5 + 1*D6 - 1*D7 + 1*D8 - 1*E22 - 2*E24 + 1*E26 + 1*E28 - 1*E29 - 1*E31 - 1*E0 + 1*F22 - 1*F26 + 1*F27 - 1*F28 - 1*F38 + 1*F39 - 2*F40 - 1*F45 + 1*F46 - 1*F47 - 1*F48 + 1*G19 - 1*G22 + 1*G26 - 1*G27 + 1*G33 + 1*G37 - 1*G39 - 1*G46 + 2*G47 - 1*G58 - 1*G60 + 1*G64 + 1*G66 - 1*G70 - 2*G72 + 2*G76 + 1*G78 - 1*G80 - 1*H147 + 2*H150 + 1*H151 - 1*H165 + 1*H166 + 1*H176 + 1*H177 + 1*H180 + 1*H184 + 1*H186 + 1*H188 + 1*H190 + 1*H191 - 1*H192 - 1*H194 + 1*H197 + 1*H198 + 1*H200 + 1*H203 - 2*H204 - 1*H205 - 1*H207 + 1*H208 + 1*H212 - 1*H214 + 1*H215 + 1*H217 - 1*H219 + 1*H225 + 1*H226 + 1*H228 + 3*H229 + 1*H235 + 1*H236 - 1*H238 - 1*H250 - 1*H252 + 1*H253 + 1*H0 + 1*H3 - 1*H6 - 1*H8 - 1*H13 - 1*H16$$

$$J148 * J404 = 1*B2 + 1*B3 - 1*C1 - 1*C7 + 1*C4 - 1*D6 + 1*D7 - 1*D8 + 1*D9 - 1*E23 - 2*E25 + 1*E27 + 1*E29 - 1*E30 - 1*E0 - 1*E1 + 1*F23 - 1*F27 + 1*F28 - 1*F29 - 1*F39 + 1*F40 - 2*F41 - 1*F46 + 1*F47 - 1*F48 - 1*F49 + 1*G20 - 1*G23 + 1*G27 - 1*G28 + 1*G34 + 1*G38 - 1*G40 - 1*G47 + 2*G48 - 1*G59 - 1*G61 + 1*G65 + 1*G67 - 1*G71 - 2*G73 + 2*G77 + 1*G79 - 1*G81 - 1*H148 + 2*H151 + 1*H152 - 1*H166 + 1*H167 + 1*H177 + 1*H178 + 1*H181 + 1*H185 + 1*H187 + 1*H189 + 1*H191 + 1*H192 - 1*H193 - 1*H195 + 1*H198 + 1*H199 + 1*H201 + 1*H204 - 2*H205 - 1*H206 - 1*H208 + 1*H209 + 1*H213 - 1*H215 + 1*H216 + 1*H218 - 1*H220 + 1*H226 + 1*H227 + 1*H229 + 3*H230 + 1*H236 + 1*H237 - 1*H239 - 1*H251 - 1*H253 + 1*H254 + 1*H1 + 1*H4 - 1*H7 - 1*H9 - 1*H14 - 1*H17$$

$$J149 * J405 = 1*B3 + 1*B0 - 1*C7 - 1*C4 + 1*C2 - 1*D7 + 1*D8 - 1*D9 + 1*D10 - 1*E24 - 2*E26 + 1*E28 + 1*E30 - 1*E31 - 1*E1 - 1*E2 + 1*F24 - 1*F28 + 1*F29 - 1*F30 - 1*F40 + 1*F41 - 2*F42 - 1*F47 + 1*F48 - 1*F49 - 1*F50 + 1*G21 - 1*G24 + 1*G28 - 1*G29 + 1*G35 + 1*G39 - 1*G41 - 1*G48 + 2*G49 - 1*G60 - 1*G62 + 1*G66 + 1*G68 - 1*G72 - 2*G74 + 2*G78 + 1*G80 - 1*G82 - 1*H149 + 2*H152 + 1*H153 - 1*H167 + 1*H168 + 1*H178 + 1*H179 + 1*H182 + 1*H186 + 1*H188 + 1*H190 + 1*H192 + 1*H193 - 1*H194 - 1*H196 + 1*H199 + 1*H200 + 1*H202 + 1*H205 - 2*H206 - 1*H207 - 1*H209 + 1*H210 + 1*H214 - 1*H216 + 1*H217 + 1*H219 - 1*H221 + 1*H227 + 1*H228 + 1*H230 + 3*H231 + 1*H237 + 1*H238 - 1*H240 - 1*H252 - 1*H254 + 1*H255 + 1*H2 + 1*H5 - 1*H8 - 1*H10 - 1*H15 - 1*H18$$

$$J150 * J406 = 1*B0 + 1*B1 - 1*C4 - 1*C2 + 1*C5 - 1*D8 + 1*D9 - 1*D10 + 1*D11 - 1*E25 - 2*E27 + 1*E29 + 1*E31 - 1*E0 - 1*E2 - 1*E3 + 1*F25 - 1*F29 + 1*F30 - 1*F31 - 1*F41 + 1*F42 - 2*F43 - 1*F48 + 1*F49 - 1*F50 - 1*F51 + 1*G22 - 1*G25 + 1*G29 - 1*G30 + 1*G36 + 1*G40 - 1*G42 - 1*G49 + 2*G50 - 1*G61 - 1*G63 + 1*G67 + 1*G69 - 1*G73 - 2*G75 + 2*G79 + 1*G81 - 1*G83 - 1*H150 + 2*H153 + 1*H154 - 1*H168 + 1*H169 + 1*H179 + 1*H180 + 1*H183 + 1*H187 + 1*H189 + 1*H191 + 1*H193 + 1*H194 - 1*H195 - 1*H197 +$$

$$1*H200 + 1*H201 + 1*H203 + 1*H206 - 2*H207 - 1*H208 - 1*H210 + 1*H211 + 1*H215 - 1*H217 + 1*H218 + 1*H220 - 1*H222 + 1*H228 + 1*H229 + 1*H231 + 3*H232 + 1*H238 + 1*H239 - 1*H241 - 1*H253 - 1*H255 + 1*H0 + 1*H3 + 1*H6 - 1*H9 - 1*H11 - 1*H16 - 1*H19$$

$$J151 * J407 = 1*B1 + 1*B2 - 1*C2 - 1*C5 + 1*C3 - 1*D9 + 1*D10 - 1*D11 + 1*D12 - 1*E26 - 2*E28 + 1*E30 + 1*E0 - 1*E1 - 1*E3 - 1*E4 + 1*F26 - 1*F30 + 1*F31 - 1*F32 - 1*F42 + 1*F43 - 2*F44 - 1*F49 + 1*F50 - 1*F51 - 1*F52 + 1*G23 - 1*G26 + 1*G30 - 1*G31 + 1*G37 + 1*G41 - 1*G43 - 1*G50 + 2*G51 - 1*G62 - 1*G64 + 1*G68 + 1*G70 - 1*G74 - 2*G76 + 2*G80 + 1*G82 - 1*G84 - 1*H151 + 2*H154 + 1*H155 - 1*H169 + 1*H170 + 1*H180 + 1*H181 + 1*H184 + 1*H188 + 1*H190 + 1*H192 + 1*H194 + 1*H195 - 1*H196 - 1*H198 + 1*H201 + 1*H202 + 1*H204 + 1*H207 - 2*H208 - 1*H209 - 1*H211 + 1*H212 + 1*H216 - 1*H218 + 1*H219 + 1*H221 - 1*H223 + 1*H229 + 1*H230 + 1*H232 + 3*H233 + 1*H239 + 1*H240 - 1*H242 - 1*H254 - 1*H0 + 1*H1 + 1*H4 + 1*H7 - 1*H10 - 1*H12 - 1*H17 - 1*H20$$

$$J152 * J408 = 1*B2 + 1*B3 - 1*C5 - 1*C3 + 1*C0 - 1*D10 + 1*D11 - 1*D12 + 1*D13 - 1*E27 - 2*E29 + 1*E31 + 1*E1 - 1*E2 - 1*E4 - 1*E5 + 1*F27 - 1*F31 + 1*F32 - 1*F33 - 1*F43 + 1*F44 - 2*F45 - 1*F50 + 1*F51 - 1*F52 - 1*F53 + 1*G24 - 1*G27 + 1*G31 - 1*G32 + 1*G38 + 1*G42 - 1*G44 - 1*G51 + 2*G52 - 1*G63 - 1*G65 + 1*G69 + 1*G71 - 1*G75 - 2*G77 + 2*G81 + 1*G83 - 1*G85 - 1*H152 + 2*H155 + 1*H156 - 1*H170 + 1*H171 + 1*H181 + 1*H182 + 1*H185 + 1*H189 + 1*H191 + 1*H193 + 1*H195 + 1*H196 - 1*H197 - 1*H199 + 1*H202 + 1*H203 + 1*H205 + 1*H208 - 2*H209 - 1*H210 - 1*H212 + 1*H213 + 1*H217 - 1*H219 + 1*H220 + 1*H222 - 1*H224 + 1*H230 + 1*H231 + 1*H233 + 3*H234 + 1*H240 + 1*H241 - 1*H243 - 1*H255 - 1*H1 + 1*H2 + 1*H5 + 1*H8 - 1*H11 - 1*H13 - 1*H18 - 1*H21$$

$$J153 * J409 = 1*B3 + 1*B0 - 1*C3 - 1*C0 + 1*C6 - 1*D11 + 1*D12 - 1*D13 + 1*D14 - 1*E28 - 2*E30 + 1*E0 + 1*E2 - 1*E3 - 1*E5 - 1*E6 + 1*F28 - 1*F32 + 1*F33 - 1*F34 - 1*F44 + 1*F45 - 2*F46 - 1*F51 + 1*F52 - 1*F53 - 1*F54 + 1*G25 - 1*G28 + 1*G32 - 1*G33 + 1*G39 + 1*G43 - 1*G45 - 1*G52 + 2*G53 - 1*G64 - 1*G66 + 1*G70 + 1*G72 - 1*G76 - 2*G78 + 2*G82 + 1*G84 - 1*G86 - 1*H153 + 2*H156 + 1*H157 - 1*H171 + 1*H172 + 1*H182 + 1*H183 + 1*H186 + 1*H190 + 1*H192 + 1*H194 + 1*H196 + 1*H197 - 1*H198 - 1*H200 + 1*H203 + 1*H204 + 1*H206 + 1*H209 - 2*H210 - 1*H211 - 1*H213 + 1*H214 + 1*H218 - 1*H220 + 1*H221 + 1*H223 - 1*H225 + 1*H231 + 1*H232 + 1*H234 + 3*H235 + 1*H241 + 1*H242 - 1*H244 - 1*H0 - 1*H2 + 1*H3 + 1*H6 + 1*H9 - 1*H12 - 1*H14 - 1*H19 - 1*H22$$

$$J154 * J410 = 1*B0 + 1*B1 - 1*C0 - 1*C6 + 1*C1 - 1*D12 + 1*D13 - 1*D14 + 1*D15 - 1*E29 - 2*E31 + 1*E1 + 1*E3 - 1*E4 - 1*E6 - 1*E7 + 1*F29 - 1*F33 + 1*F34 - 1*F35 - 1*F45 + 1*F46 - 2*F47 - 1*F52 + 1*F53 - 1*F54 - 1*F55 + 1*G26 - 1*G29 + 1*G33 - 1*G34 + 1*G40 + 1*G44 - 1*G46 - 1*G53 + 2*G54 - 1*G65 - 1*G67 + 1*G71 + 1*G73 - 1*G77 - 2*G79 + 2*G83 + 1*G85 - 1*G87 - 1*H154 + 2*H157 + 1*H158 - 1*H172 + 1*H173 + 1*H183 + 1*H184 + 1*H187 + 1*H191 + 1*H193 + 1*H195 + 1*H197 + 1*H198 - 1*H199 - 1*H201 + 1*H204 + 1*H205 + 1*H207 + 1*H210 - 2*H211 - 1*H212 - 1*H214 + 1*H215 + 1*H219 - 1*H221 + 1*H222 + 1*H224 - 1*H226 + 1*H232 + 1*H233 + 1*H235 + 3*H236 + 1*H242 + 1*H243 - 1*H245 - 1*H1 - 1*H3 + 1*H4 + 1*H7 + 1*H10 - 1*H13 - 1*H15 - 1*H20 - 1*H23$$

$$J155 * J411 = 1*B1 + 1*B2 - 1*C6 - 1*C1 + 1*C7 - 1*D13 + 1*D14 - 1*D15 + 1*D0 - 1*E30 - 2*E0 + 1*E2 + 1*E4 - 1*E5 - 1*E7 - 1*E8 + 1*F30 - 1*F34 + 1*F35 - 1*F36 - 1*F46 + 1*F47 - 2*F48 - 1*F53 + 1*F54 - 1*F55 - 1*F56 + 1*G27 - 1*G30 + 1*G34 - 1*G35 + 1*G41 + 1*G45 - 1*G47 - 1*G54 + 2*G55 - 1*G66 - 1*G68 + 1*G72 + 1*G74 - 1*G78 - 2*G80 + 2*G84 + 1*G86 - 1*G88 - 1*H155 + 2*H158 + 1*H159 - 1*H173 + 1*H174 + 1*H184 + 1*H185 + 1*H188 + 1*H192 + 1*H194 + 1*H196 + 1*H198 + 1*H199 - 1*H200 - 1*H202 + 1*H205 +$$

$$1*H206 + 1*H208 + 1*H211 - 2*H212 - 1*H213 - 1*H215 + 1*H216 + 1*H220 - 1*H222 + 1*H223 + 1*H225 - 1*H227 + 1*H233 + 1*H234 + 1*H236 + 3*H237 + 1*H243 + 1*H244 - 1*H246 - 1*H2 - 1*H4 + 1*H5 + 1*H8 + 1*H11 - 1*H14 - 1*H16 - 1*H21 - 1*H24$$

$$J156 * J412 = 1*B2 + 1*B3 - 1*C1 - 1*C7 + 1*C4 - 1*D14 + 1*D15 - 1*D0 + 1*D1 - 1*E31 - 2*E1 + 1*E3 + 1*E5 - 1*E6 - 1*E8 - 1*E9 + 1*F31 - 1*F35 + 1*F36 - 1*F37 - 1*F47 + 1*F48 - 2*F49 - 1*F54 + 1*F55 - 1*F56 - 1*F57 + 1*G28 - 1*G31 + 1*G35 - 1*G36 + 1*G42 + 1*G46 - 1*G48 - 1*G55 + 2*G56 - 1*G67 - 1*G69 + 1*G73 + 1*G75 - 1*G79 - 2*G81 + 2*G85 + 1*G87 - 1*G89 - 1*H156 + 2*H159 + 1*H160 - 1*H174 + 1*H175 + 1*H185 + 1*H186 + 1*H189 + 1*H193 + 1*H195 + 1*H197 + 1*H199 + 1*H200 - 1*H201 - 1*H203 + 1*H206 + 1*H207 + 1*H209 + 1*H212 - 2*H213 - 1*H214 - 1*H216 + 1*H217 + 1*H221 - 1*H223 + 1*H224 + 1*H226 - 1*H228 + 1*H234 + 1*H235 + 1*H237 + 3*H238 + 1*H244 + 1*H245 - 1*H247 - 1*H3 - 1*H5 + 1*H6 + 1*H9 + 1*H12 - 1*H15 - 1*H17 - 1*H22 - 1*H25$$

$$J157 * J413 = 1*B3 + 1*B0 - 1*C7 - 1*C4 + 1*C2 - 1*D15 + 1*D0 - 1*D1 + 1*D2 - 1*E0 - 2*E2 + 1*E4 + 1*E6 - 1*E7 - 1*E9 - 1*E10 + 1*F32 - 1*F36 + 1*F37 - 1*F38 - 1*F48 + 1*F49 - 2*F50 - 1*F55 + 1*F56 - 1*F57 - 1*F58 + 1*G29 - 1*G32 + 1*G36 - 1*G37 + 1*G43 + 1*G47 - 1*G49 - 1*G56 + 2*G57 - 1*G68 - 1*G70 + 1*G74 + 1*G76 - 1*G80 - 2*G82 + 2*G86 + 1*G88 - 1*G90 - 1*H157 + 2*H160 + 1*H161 - 1*H175 + 1*H176 + 1*H186 + 1*H187 + 1*H190 + 1*H194 + 1*H196 + 1*H198 + 1*H200 + 1*H201 - 1*H202 - 1*H204 + 1*H207 + 1*H208 + 1*H210 + 1*H213 - 2*H214 - 1*H215 - 1*H217 + 1*H218 + 1*H222 - 1*H224 + 1*H225 + 1*H227 - 1*H229 + 1*H235 + 1*H236 + 1*H238 + 3*H239 + 1*H245 + 1*H246 - 1*H248 - 1*H4 - 1*H6 + 1*H7 + 1*H10 + 1*H13 - 1*H16 - 1*H18 - 1*H23 - 1*H26$$

$$J158 * J414 = 1*B0 + 1*B1 - 1*C4 - 1*C2 + 1*C5 - 1*D0 + 1*D1 - 1*D2 + 1*D3 - 1*E1 - 2*E3 + 1*E5 + 1*E7 - 1*E8 - 1*E10 - 1*E11 + 1*F33 - 1*F37 + 1*F38 - 1*F39 - 1*F49 + 1*F50 - 2*F51 - 1*F56 + 1*F57 - 1*F58 - 1*F59 + 1*G30 - 1*G33 + 1*G37 - 1*G38 + 1*G44 + 1*G48 - 1*G50 - 1*G57 + 2*G58 - 1*G69 - 1*G71 + 1*G75 + 1*G77 - 1*G81 - 2*G83 + 2*G87 + 1*G89 - 1*G91 - 1*H158 + 2*H161 + 1*H162 - 1*H176 + 1*H177 + 1*H187 + 1*H188 + 1*H191 + 1*H195 + 1*H197 + 1*H199 + 1*H201 + 1*H202 - 1*H203 - 1*H205 + 1*H208 + 1*H209 + 1*H211 + 1*H214 - 2*H215 - 1*H216 - 1*H218 + 1*H219 + 1*H223 - 1*H225 + 1*H226 + 1*H228 - 1*H230 + 1*H236 + 1*H237 + 1*H239 + 3*H240 + 1*H246 + 1*H247 - 1*H249 - 1*H5 - 1*H7 + 1*H8 + 1*H11 + 1*H14 - 1*H17 - 1*H19 - 1*H24 - 1*H27$$

$$J159 * J415 = 1*B1 + 1*B2 - 1*C2 - 1*C5 + 1*C3 - 1*D1 + 1*D2 - 1*D3 + 1*D4 - 1*E2 - 2*E4 + 1*E6 + 1*E8 - 1*E9 - 1*E11 - 1*E12 + 1*F34 - 1*F38 + 1*F39 - 1*F40 - 1*F50 + 1*F51 - 2*F52 - 1*F57 + 1*F58 - 1*F59 - 1*F60 + 1*G31 - 1*G34 + 1*G38 - 1*G39 + 1*G45 + 1*G49 - 1*G51 - 1*G58 + 2*G59 - 1*G70 - 1*G72 + 1*G76 + 1*G78 - 1*G82 - 2*G84 + 2*G88 + 1*G90 - 1*G92 - 1*H159 + 2*H162 + 1*H163 - 1*H177 + 1*H178 + 1*H188 + 1*H189 + 1*H192 + 1*H196 + 1*H198 + 1*H200 + 1*H202 + 1*H203 - 1*H204 - 1*H206 + 1*H209 + 1*H210 + 1*H212 + 1*H215 - 2*H216 - 1*H217 - 1*H219 + 1*H220 + 1*H224 - 1*H226 + 1*H227 + 1*H229 - 1*H231 + 1*H237 + 1*H238 + 1*H240 + 3*H241 + 1*H247 + 1*H248 - 1*H250 - 1*H6 - 1*H8 + 1*H9 + 1*H12 + 1*H15 - 1*H18 - 1*H20 - 1*H25 - 1*H28$$

$$J160 * J416 = 1*B2 + 1*B3 - 1*C5 - 1*C3 + 1*C0 - 1*D2 + 1*D3 - 1*D4 + 1*D5 - 1*E3 - 2*E5 + 1*E7 + 1*E9 - 1*E10 - 1*E12 - 1*E13 + 1*F35 - 1*F39 + 1*F40 - 1*F41 - 1*F51 + 1*F52 - 2*F53 - 1*F58 + 1*F59 - 1*F60 - 1*F61 + 1*G32 - 1*G35 + 1*G39 - 1*G40 + 1*G46 + 1*G50 - 1*G52 - 1*G59 + 2*G60 - 1*G71 - 1*G73 + 1*G77 + 1*G79 - 1*G83 - 2*G85 + 2*G89 + 1*G91 - 1*G93 - 1*H160 + 2*H163 + 1*H164 - 1*H178 + 1*H179 + 1*H189 + 1*H190 + 1*H193 + 1*H197 + 1*H199 + 1*H201 + 1*H203 + 1*H204 - 1*H205 - 1*H207 + 1*H210 +$$

$$1^*H211 + 1^*H213 + 1^*H216 - 2^*H217 - 1^*H218 - 1^*H220 + 1^*H221 + 1^*H225 - 1^*H227 + 1^*H228 + 1^*H230 - 1^*H232 + 1^*H238 + 1^*H239 + 1^*H241 + 3^*H242 + 1^*H248 + 1^*H249 - 1^*H251 - 1^*H7 - 1^*H9 + 1^*H10 + 1^*H13 + 1^*H16 - 1^*H19 - 1^*H21 - 1^*H26 - 1^*H29$$

$$J161 * J417 = 1^*B3 + 1^*B0 - 1^*C3 - 1^*C0 + 1^*C6 - 1^*D3 + 1^*D4 - 1^*D5 + 1^*D6 - 1^*E4 - 2^*E6 + 1^*E8 + 1^*E10 - 1^*E11 - 1^*E13 - 1^*E14 + 1^*F36 - 1^*F40 + 1^*F41 - 1^*F42 - 1^*F52 + 1^*F53 - 2^*F54 - 1^*F59 + 1^*F60 - 1^*F61 - 1^*F62 + 1^*G33 - 1^*G36 + 1^*G40 - 1^*G41 + 1^*G47 + 1^*G51 - 1^*G53 - 1^*G60 + 2^*G61 - 1^*G72 - 1^*G74 + 1^*G78 + 1^*G80 - 1^*G84 - 2^*G86 + 2^*G90 + 1^*G92 - 1^*G94 - 1^*H161 + 2^*H164 + 1^*H165 - 1^*H179 + 1^*H180 + 1^*H190 + 1^*H191 + 1^*H194 + 1^*H198 + 1^*H200 + 1^*H202 + 1^*H204 + 1^*H205 - 1^*H206 - 1^*H208 + 1^*H211 + 1^*H212 + 1^*H214 + 1^*H217 - 2^*H218 - 1^*H219 - 1^*H221 + 1^*H222 + 1^*H226 - 1^*H228 + 1^*H229 + 1^*H231 - 1^*H233 + 1^*H239 + 1^*H240 + 1^*H242 + 3^*H243 + 1^*H249 + 1^*H250 - 1^*H252 - 1^*H8 - 1^*H10 + 1^*H11 + 1^*H14 + 1^*H17 - 1^*H20 - 1^*H22 - 1^*H27 - 1^*H30$$

$$J162 * J418 = 1^*B0 + 1^*B1 - 1^*C0 - 1^*C6 + 1^*C1 - 1^*D4 + 1^*D5 - 1^*D6 + 1^*D7 - 1^*E5 - 2^*E7 + 1^*E9 + 1^*E11 - 1^*E12 - 1^*E14 - 1^*E15 + 1^*F37 - 1^*F41 + 1^*F42 - 1^*F43 - 1^*F53 + 1^*F54 - 2^*F55 - 1^*F60 + 1^*F61 - 1^*F62 - 1^*F63 + 1^*G34 - 1^*G37 + 1^*G41 - 1^*G42 + 1^*G48 + 1^*G52 - 1^*G54 - 1^*G61 + 2^*G62 - 1^*G73 - 1^*G75 + 1^*G79 + 1^*G81 - 1^*G85 - 2^*G87 + 2^*G91 + 1^*G93 - 1^*G95 - 1^*H162 + 2^*H165 + 1^*H166 - 1^*H180 + 1^*H181 + 1^*H191 + 1^*H192 + 1^*H195 + 1^*H199 + 1^*H201 + 1^*H203 + 1^*H205 + 1^*H206 - 1^*H207 - 1^*H209 + 1^*H212 + 1^*H213 + 1^*H215 + 1^*H218 - 2^*H219 - 1^*H220 - 1^*H222 + 1^*H223 + 1^*H227 - 1^*H229 + 1^*H230 + 1^*H232 - 1^*H234 + 1^*H240 + 1^*H241 + 1^*H243 + 3^*H244 + 1^*H250 + 1^*H251 - 1^*H253 - 1^*H9 - 1^*H11 + 1^*H12 + 1^*H15 + 1^*H18 - 1^*H21 - 1^*H23 - 1^*H28 - 1^*H31$$

$$J163 * J419 = 1^*B1 + 1^*B2 - 1^*C6 - 1^*C1 + 1^*C7 - 1^*D5 + 1^*D6 - 1^*D7 + 1^*D8 - 1^*E6 - 2^*E8 + 1^*E10 + 1^*E12 - 1^*E13 - 1^*E15 - 1^*E16 + 1^*F38 - 1^*F42 + 1^*F43 - 1^*F44 - 1^*F54 + 1^*F55 - 2^*F56 - 1^*F61 + 1^*F62 - 1^*F63 - 1^*F0 + 1^*G35 - 1^*G38 + 1^*G42 - 1^*G43 + 1^*G49 + 1^*G53 - 1^*G55 - 1^*G62 + 2^*G63 - 1^*G74 - 1^*G76 + 1^*G80 + 1^*G82 - 1^*G86 - 2^*G88 + 2^*G92 + 1^*G94 - 1^*G96 - 1^*H163 + 2^*H166 + 1^*H167 - 1^*H181 + 1^*H182 + 1^*H192 + 1^*H193 + 1^*H196 + 1^*H200 + 1^*H202 + 1^*H204 + 1^*H206 + 1^*H207 - 1^*H208 - 1^*H210 + 1^*H213 + 1^*H214 + 1^*H216 + 1^*H219 - 2^*H220 - 1^*H221 - 1^*H223 + 1^*H224 + 1^*H228 - 1^*H230 + 1^*H231 + 1^*H233 - 1^*H235 + 1^*H241 + 1^*H242 + 1^*H244 + 3^*H245 + 1^*H251 + 1^*H252 - 1^*H254 - 1^*H10 - 1^*H12 + 1^*H13 + 1^*H16 + 1^*H19 - 1^*H22 - 1^*H24 - 1^*H29 - 1^*H32$$

$$J164 * J420 = 1^*B2 + 1^*B3 - 1^*C1 - 1^*C7 + 1^*C4 - 1^*D6 + 1^*D7 - 1^*D8 + 1^*D9 - 1^*E7 - 2^*E9 + 1^*E11 + 1^*E13 - 1^*E14 - 1^*E16 - 1^*E17 + 1^*F39 - 1^*F43 + 1^*F44 - 1^*F45 - 1^*F55 + 1^*F56 - 2^*F57 - 1^*F62 + 1^*F63 - 1^*F0 - 1^*F1 + 1^*G36 - 1^*G39 + 1^*G43 - 1^*G44 + 1^*G50 + 1^*G54 - 1^*G56 - 1^*G63 + 2^*G64 - 1^*G75 - 1^*G77 + 1^*G81 + 1^*G83 - 1^*G87 - 2^*G89 + 2^*G93 + 1^*G95 - 1^*G97 - 1^*H164 + 2^*H167 + 1^*H168 - 1^*H182 + 1^*H183 + 1^*H193 + 1^*H194 + 1^*H197 + 1^*H201 + 1^*H203 + 1^*H205 + 1^*H207 + 1^*H208 - 1^*H209 - 1^*H211 + 1^*H214 + 1^*H215 + 1^*H217 + 1^*H220 - 2^*H221 - 1^*H222 - 1^*H224 + 1^*H225 + 1^*H229 - 1^*H231 + 1^*H232 + 1^*H234 - 1^*H236 + 1^*H242 + 1^*H243 + 1^*H245 + 3^*H246 + 1^*H252 + 1^*H253 - 1^*H255 - 1^*H11 - 1^*H13 + 1^*H14 + 1^*H17 + 1^*H20 - 1^*H23 - 1^*H25 - 1^*H30 - 1^*H33$$

$$J165 * J421 = 1^*B3 + 1^*B0 - 1^*C7 - 1^*C4 + 1^*C2 - 1^*D7 + 1^*D8 - 1^*D9 + 1^*D10 - 1^*E8 - 2^*E10 + 1^*E12 + 1^*E14 - 1^*E15 - 1^*E17 - 1^*E18 + 1^*F40 - 1^*F44 + 1^*F45 - 1^*F46 - 1^*F56 + 1^*F57 - 2^*F58 - 1^*F63 + 1^*F0 - 1^*F1 - 1^*F2 + 1^*G37 - 1^*G40 + 1^*G44 - 1^*G45 + 1^*G51 + 1^*G55 - 1^*G57 - 1^*G64 + 2^*G65 - 1^*G76 - 1^*G78 + 1^*G82 + 1^*G84 - 1^*G88 - 2^*G90 + 2^*G94 + 1^*G96 - 1^*G98 - 1^*H165 + 2^*H168 + 1^*H169 - 1^*H183 + 1^*H184 + 1^*H194 + 1^*H195 + 1^*H198 + 1^*H202 + 1^*H204 + 1^*H206 + 1^*H208 + 1^*H209 - 1^*H210 - 1^*H212 +$$

$$1*H215 + 1*H216 + 1*H218 + 1*H221 - 2*H222 - 1*H223 - 1*H225 + 1*H226 + 1*H230 - 1*H232 + 1*H233 + 1*H235 - 1*H237 + 1*H243 + 1*H244 + 1*H246 + 3*H247 + 1*H253 + 1*H254 - 1*H0 - 1*H12 - 1*H14 + 1*H15 + 1*H18 + 1*H21 - 1*H24 - 1*H26 - 1*H31 - 1*H34$$

$$J166 * J422 = 1*B0 + 1*B1 - 1*C4 - 1*C2 + 1*C5 - 1*D8 + 1*D9 - 1*D10 + 1*D11 - 1*E9 - 2*E11 + 1*E13 + 1*E15 - 1*E16 - 1*E18 - 1*E19 + 1*F41 - 1*F45 + 1*F46 - 1*F47 - 1*F57 + 1*F58 - 2*F59 - 1*F0 + 1*F1 - 1*F2 - 1*F3 + 1*G38 - 1*G41 + 1*G45 - 1*G46 + 1*G52 + 1*G56 - 1*G58 - 1*G65 + 2*G66 - 1*G77 - 1*G79 + 1*G83 + 1*G85 - 1*G89 - 2*G91 + 2*G95 + 1*G97 - 1*G99 - 1*H166 + 2*H169 + 1*H170 - 1*H184 + 1*H185 + 1*H195 + 1*H196 + 1*H199 + 1*H203 + 1*H205 + 1*H207 + 1*H209 + 1*H210 - 1*H211 - 1*H213 + 1*H216 + 1*H217 + 1*H219 + 1*H222 - 2*H223 - 1*H224 - 1*H226 + 1*H227 + 1*H231 - 1*H233 + 1*H234 + 1*H236 - 1*H238 + 1*H244 + 1*H245 + 1*H247 + 3*H248 + 1*H254 + 1*H255 - 1*H1 - 1*H13 - 1*H15 + 1*H16 + 1*H19 + 1*H22 - 1*H25 - 1*H27 - 1*H32 - 1*H35$$

$$J167 * J423 = 1*B1 + 1*B2 - 1*C2 - 1*C5 + 1*C3 - 1*D9 + 1*D10 - 1*D11 + 1*D12 - 1*E10 - 2*E12 + 1*E14 + 1*E16 - 1*E17 - 1*E19 - 1*E20 + 1*F42 - 1*F46 + 1*F47 - 1*F48 - 1*F58 + 1*F59 - 2*F60 - 1*F1 + 1*F2 - 1*F3 - 1*F4 + 1*G39 - 1*G42 + 1*G46 - 1*G47 + 1*G53 + 1*G57 - 1*G59 - 1*G66 + 2*G67 - 1*G78 - 1*G80 + 1*G84 + 1*G86 - 1*G90 - 2*G92 + 2*G96 + 1*G98 - 1*G100 - 1*H167 + 2*H170 + 1*H171 - 1*H185 + 1*H186 + 1*H196 + 1*H197 + 1*H200 + 1*H204 + 1*H206 + 1*H208 + 1*H210 + 1*H211 - 1*H212 - 1*H214 + 1*H217 + 1*H218 + 1*H220 + 1*H223 - 2*H224 - 1*H225 - 1*H227 + 1*H228 + 1*H232 - 1*H234 + 1*H235 + 1*H237 - 1*H239 + 1*H245 + 1*H246 + 1*H248 + 3*H249 + 1*H255 + 1*H0 - 1*H2 - 1*H14 - 1*H16 + 1*H17 + 1*H20 + 1*H23 - 1*H26 - 1*H28 - 1*H33 - 1*H36$$

$$J168 * J424 = 1*B2 + 1*B3 - 1*C5 - 1*C3 + 1*C0 - 1*D10 + 1*D11 - 1*D12 + 1*D13 - 1*E11 - 2*E13 + 1*E15 + 1*E17 - 1*E18 - 1*E20 - 1*E21 + 1*F43 - 1*F47 + 1*F48 - 1*F49 - 1*F59 + 1*F60 - 2*F61 - 1*F2 + 1*F3 - 1*F4 - 1*F5 + 1*G40 - 1*G43 + 1*G47 - 1*G48 + 1*G54 + 1*G58 - 1*G60 - 1*G67 + 2*G68 - 1*G79 - 1*G81 + 1*G85 + 1*G87 - 1*G91 - 2*G93 + 2*G97 + 1*G99 - 1*G101 - 1*H168 + 2*H171 + 1*H172 - 1*H186 + 1*H187 + 1*H197 + 1*H198 + 1*H201 + 1*H205 + 1*H207 + 1*H209 + 1*H211 + 1*H212 - 1*H213 - 1*H215 + 1*H218 + 1*H219 + 1*H221 + 1*H224 - 2*H225 - 1*H226 - 1*H228 + 1*H229 + 1*H233 - 1*H235 + 1*H236 + 1*H238 - 1*H240 + 1*H246 + 1*H247 + 1*H249 + 3*H250 + 1*H0 + 1*H1 - 1*H3 - 1*H15 - 1*H17 + 1*H18 + 1*H21 + 1*H24 - 1*H27 - 1*H29 - 1*H34 - 1*H37$$

$$J169 * J425 = 1*B3 + 1*B0 - 1*C3 - 1*C0 + 1*C6 - 1*D11 + 1*D12 - 1*D13 + 1*D14 - 1*E12 - 2*E14 + 1*E16 + 1*E18 - 1*E19 - 1*E21 - 1*E22 + 1*F44 - 1*F48 + 1*F49 - 1*F50 - 1*F60 + 1*F61 - 2*F62 - 1*F3 + 1*F4 - 1*F5 - 1*F6 + 1*G41 - 1*G44 + 1*G48 - 1*G49 + 1*G55 + 1*G59 - 1*G61 - 1*G68 + 2*G69 - 1*G80 - 1*G82 + 1*G86 + 1*G88 - 1*G92 - 2*G94 + 2*G98 + 1*G100 - 1*G102 - 1*H169 + 2*H172 + 1*H173 - 1*H187 + 1*H188 + 1*H198 + 1*H199 + 1*H202 + 1*H206 + 1*H208 + 1*H210 + 1*H212 + 1*H213 - 1*H214 - 1*H216 + 1*H219 + 1*H220 + 1*H222 + 1*H225 - 2*H226 - 1*H227 - 1*H229 + 1*H230 + 1*H234 - 1*H236 + 1*H237 + 1*H239 - 1*H241 + 1*H247 + 1*H248 + 1*H250 + 3*H251 + 1*H1 + 1*H2 - 1*H4 - 1*H16 - 1*H18 + 1*H19 + 1*H22 + 1*H25 - 1*H28 - 1*H30 - 1*H35 - 1*H38$$

$$J170 * J426 = 1*B0 + 1*B1 - 1*C0 - 1*C6 + 1*C1 - 1*D12 + 1*D13 - 1*D14 + 1*D15 - 1*E13 - 2*E15 + 1*E17 + 1*E19 - 1*E20 - 1*E22 - 1*E23 + 1*F45 - 1*F49 + 1*F50 - 1*F51 - 1*F61 + 1*F62 - 2*F63 - 1*F4 + 1*F5 - 1*F6 - 1*F7 + 1*G42 - 1*G45 + 1*G49 - 1*G50 + 1*G56 + 1*G60 - 1*G62 - 1*G69 + 2*G70 - 1*G81 - 1*G83 + 1*G87 + 1*G89 - 1*G93 - 2*G95 + 2*G99 + 1*G101 - 1*G103 - 1*H170 + 2*H173 + 1*H174 - 1*H188 + 1*H189 + 1*H199 + 1*H200 + 1*H203 + 1*H207 + 1*H209 + 1*H211 + 1*H213 + 1*H214 - 1*H215 - 1*H217 + 1*H220 +$$

$$1*H221 + 1*H223 + 1*H226 - 2*H227 - 1*H228 - 1*H230 + 1*H231 + 1*H235 - 1*H237 + 1*H238 + 1*H240 - 1*H242 + 1*H248 + 1*H249 + 1*H251 + 3*H252 + 1*H2 + 1*H3 - 1*H5 - 1*H17 - 1*H19 + 1*H20 + 1*H23 + 1*H26 - 1*H29 - 1*H31 - 1*H36 - 1*H39$$

$$J171 * J427 = 1*B1 + 1*B2 - 1*C6 - 1*C1 + 1*C7 - 1*D13 + 1*D14 - 1*D15 + 1*D0 - 1*E14 - 2*E16 + 1*E18 + 1*E20 - 1*E21 - 1*E23 - 1*E24 + 1*F46 - 1*F50 + 1*F51 - 1*F52 - 1*F62 + 1*F63 - 2*F0 - 1*F5 + 1*F6 - 1*F7 - 1*F8 + 1*G43 - 1*G46 + 1*G50 - 1*G51 + 1*G57 + 1*G61 - 1*G63 - 1*G70 + 2*G71 - 1*G82 - 1*G84 + 1*G88 + 1*G90 - 1*G94 - 2*G96 + 2*G100 + 1*G102 - 1*G104 - 1*H171 + 2*H174 + 1*H175 - 1*H189 + 1*H190 + 1*H200 + 1*H201 + 1*H204 + 1*H208 + 1*H210 + 1*H212 + 1*H214 + 1*H215 - 1*H216 - 1*H218 + 1*H221 + 1*H222 + 1*H224 + 1*H227 - 2*H228 - 1*H229 - 1*H231 + 1*H232 + 1*H236 - 1*H238 + 1*H239 + 1*H241 - 1*H243 + 1*H249 + 1*H250 + 1*H252 + 3*H253 + 1*H3 + 1*H4 - 1*H6 - 1*H18 - 1*H20 + 1*H21 + 1*H24 + 1*H27 - 1*H30 - 1*H32 - 1*H37 - 1*H40$$

$$J172 * J428 = 1*B2 + 1*B3 - 1*C1 - 1*C7 + 1*C4 - 1*D14 + 1*D15 - 1*D0 + 1*D1 - 1*E15 - 2*E17 + 1*E19 + 1*E21 - 1*E22 - 1*E24 - 1*E25 + 1*F47 - 1*F51 + 1*F52 - 1*F53 - 1*F63 + 1*F0 - 2*F1 - 1*F6 + 1*F7 - 1*F8 - 1*F9 + 1*G44 - 1*G47 + 1*G51 - 1*G52 + 1*G58 + 1*G62 - 1*G64 - 1*G71 + 2*G72 - 1*G83 - 1*G85 + 1*G89 + 1*G91 - 1*G95 - 2*G97 + 2*G101 + 1*G103 - 1*G105 - 1*H172 + 2*H175 + 1*H176 - 1*H190 + 1*H191 + 1*H201 + 1*H202 + 1*H205 + 1*H209 + 1*H211 + 1*H213 + 1*H215 + 1*H216 - 1*H217 - 1*H219 + 1*H222 + 1*H223 + 1*H225 + 1*H228 - 2*H229 - 1*H230 - 1*H232 + 1*H233 + 1*H237 - 1*H239 + 1*H240 + 1*H242 - 1*H244 + 1*H250 + 1*H251 + 1*H253 + 3*H254 + 1*H4 + 1*H5 - 1*H7 - 1*H19 - 1*H21 + 1*H22 + 1*H25 + 1*H28 - 1*H31 - 1*H33 - 1*H38 - 1*H41$$

$$J173 * J429 = 1*B3 + 1*B0 - 1*C7 - 1*C4 + 1*C2 - 1*D15 + 1*D0 - 1*D1 + 1*D2 - 1*E16 - 2*E18 + 1*E20 + 1*E22 - 1*E23 - 1*E25 - 1*E26 + 1*F48 - 1*F52 + 1*F53 - 1*F54 - 1*F0 + 1*F1 - 2*F2 - 1*F7 + 1*F8 - 1*F9 - 1*F10 + 1*G45 - 1*G48 + 1*G52 - 1*G53 + 1*G59 + 1*G63 - 1*G65 - 1*G72 + 2*G73 - 1*G84 - 1*G86 + 1*G90 + 1*G92 - 1*G96 - 2*G98 + 2*G102 + 1*G104 - 1*G106 - 1*H173 + 2*H176 + 1*H177 - 1*H191 + 1*H192 + 1*H202 + 1*H203 + 1*H206 + 1*H210 + 1*H212 + 1*H214 + 1*H216 + 1*H217 - 1*H218 - 1*H220 + 1*H223 + 1*H224 + 1*H226 + 1*H229 - 2*H230 - 1*H231 - 1*H233 + 1*H234 + 1*H238 - 1*H240 + 1*H241 + 1*H243 - 1*H245 + 1*H251 + 1*H252 + 1*H254 + 3*H255 + 1*H5 + 1*H6 - 1*H8 - 1*H20 - 1*H22 + 1*H23 + 1*H26 + 1*H29 - 1*H32 - 1*H34 - 1*H39 - 1*H42$$

$$J174 * J430 = 1*B0 + 1*B1 - 1*C4 - 1*C2 + 1*C5 - 1*D0 + 1*D1 - 1*D2 + 1*D3 - 1*E17 - 2*E19 + 1*E21 + 1*E23 - 1*E24 - 1*E26 - 1*E27 + 1*F49 - 1*F53 + 1*F54 - 1*F55 - 1*F1 + 1*F2 - 2*F3 - 1*F8 + 1*F9 - 1*F10 - 1*F11 + 1*G46 - 1*G49 + 1*G53 - 1*G54 + 1*G60 + 1*G64 - 1*G66 - 1*G73 + 2*G74 - 1*G85 - 1*G87 + 1*G91 + 1*G93 - 1*G97 - 2*G99 + 2*G103 + 1*G105 - 1*G107 - 1*H174 + 2*H177 + 1*H178 - 1*H192 + 1*H193 + 1*H203 + 1*H204 + 1*H207 + 1*H211 + 1*H213 + 1*H215 + 1*H217 + 1*H218 - 1*H219 - 1*H221 + 1*H224 + 1*H225 + 1*H227 + 1*H230 - 2*H231 - 1*H232 - 1*H234 + 1*H235 + 1*H239 - 1*H241 + 1*H242 + 1*H244 - 1*H246 + 1*H252 + 1*H253 + 1*H255 + 3*H0 + 1*H6 + 1*H7 - 1*H9 - 1*H21 - 1*H23 + 1*H24 + 1*H27 + 1*H30 - 1*H33 - 1*H35 - 1*H40 - 1*H43$$

$$J175 * J431 = 1*B1 + 1*B2 - 1*C2 - 1*C5 + 1*C3 - 1*D1 + 1*D2 - 1*D3 + 1*D4 - 1*E18 - 2*E20 + 1*E22 + 1*E24 - 1*E25 - 1*E27 - 1*E28 + 1*F50 - 1*F54 + 1*F55 - 1*F56 - 1*F2 + 1*F3 - 2*F4 - 1*F9 + 1*F10 - 1*F11 - 1*F12 + 1*G47 - 1*G50 + 1*G54 - 1*G55 + 1*G61 + 1*G65 - 1*G67 - 1*G74 + 2*G75 - 1*G86 - 1*G88 + 1*G92 + 1*G94 - 1*G98 - 2*G100 + 2*G104 + 1*G106 - 1*G108 - 1*H175 + 2*H178 + 1*H179 - 1*H193 + 1*H194 + 1*H204 + 1*H205 + 1*H208 + 1*H212 + 1*H214 + 1*H216 + 1*H218 + 1*H219 - 1*H220 - 1*H222 + 1*H225 +$$

$$1*H226 + 1*H228 + 1*H231 - 2*H232 - 1*H233 - 1*H235 + 1*H236 + 1*H240 - 1*H242 + 1*H243 + 1*H245 - 1*H247 + 1*H253 + 1*H254 + 1*H0 + 3*H1 + 1*H7 + 1*H8 - 1*H10 - 1*H22 - 1*H24 + 1*H25 + 1*H28 + 1*H31 - 1*H34 - 1*H36 - 1*H41 - 1*H44$$

$$J176 * J432 = 1*B2 + 1*B3 - 1*C5 - 1*C3 + 1*C0 - 1*D2 + 1*D3 - 1*D4 + 1*D5 - 1*E19 - 2*E21 + 1*E23 + 1*E25 - 1*E26 - 1*E28 - 1*E29 + 1*F51 - 1*F55 + 1*F56 - 1*F57 - 1*F3 + 1*F4 - 2*F5 - 1*F10 + 1*F11 - 1*F12 - 1*F13 + 1*G48 - 1*G51 + 1*G55 - 1*G56 + 1*G62 + 1*G66 - 1*G68 - 1*G75 + 2*G76 - 1*G87 - 1*G89 + 1*G93 + 1*G95 - 1*G99 - 2*G101 + 2*G105 + 1*G107 - 1*G109 - 1*H176 + 2*H179 + 1*H180 - 1*H194 + 1*H195 + 1*H205 + 1*H206 + 1*H209 + 1*H213 + 1*H215 + 1*H217 + 1*H219 + 1*H220 - 1*H221 - 1*H223 + 1*H226 + 1*H227 + 1*H229 + 1*H232 - 2*H233 - 1*H234 - 1*H236 + 1*H237 + 1*H241 - 1*H243 + 1*H244 + 1*H246 - 1*H248 + 1*H254 + 1*H255 + 1*H1 + 3*H2 + 1*H8 + 1*H9 - 1*H11 - 1*H23 - 1*H25 + 1*H26 + 1*H29 + 1*H32 - 1*H35 - 1*H37 - 1*H42 - 1*H45$$

$$J177 * J433 = 1*B3 + 1*B0 - 1*C3 - 1*C0 + 1*C6 - 1*D3 + 1*D4 - 1*D5 + 1*D6 - 1*E20 - 2*E22 + 1*E24 + 1*E26 - 1*E27 - 1*E29 - 1*E30 + 1*F52 - 1*F56 + 1*F57 - 1*F58 - 1*F4 + 1*F5 - 2*F6 - 1*F11 + 1*F12 - 1*F13 - 1*F14 + 1*G49 - 1*G52 + 1*G56 - 1*G57 + 1*G63 + 1*G67 - 1*G69 - 1*G76 + 2*G77 - 1*G88 - 1*G90 + 1*G94 + 1*G96 - 1*G100 - 2*G102 + 2*G106 + 1*G108 - 1*G110 - 1*H177 + 2*H180 + 1*H181 - 1*H195 + 1*H196 + 1*H206 + 1*H207 + 1*H210 + 1*H214 + 1*H216 + 1*H218 + 1*H220 + 1*H221 - 1*H222 - 1*H224 + 1*H227 + 1*H228 + 1*H230 + 1*H233 - 2*H234 - 1*H235 - 1*H237 + 1*H238 + 1*H242 - 1*H244 + 1*H245 + 1*H247 - 1*H249 + 1*H255 + 1*H0 + 1*H2 + 3*H3 + 1*H9 + 1*H10 - 1*H12 - 1*H24 - 1*H26 + 1*H27 + 1*H30 + 1*H33 - 1*H36 - 1*H38 - 1*H43 - 1*H46$$

$$J178 * J434 = 1*B0 + 1*B1 - 1*C0 - 1*C6 + 1*C1 - 1*D4 + 1*D5 - 1*D6 + 1*D7 - 1*E21 - 2*E23 + 1*E25 + 1*E27 - 1*E28 - 1*E30 - 1*E31 + 1*F53 - 1*F57 + 1*F58 - 1*F59 - 1*F5 + 1*F6 - 2*F7 - 1*F12 + 1*F13 - 1*F14 - 1*F15 + 1*G50 - 1*G53 + 1*G57 - 1*G58 + 1*G64 + 1*G68 - 1*G70 - 1*G77 + 2*G78 - 1*G89 - 1*G91 + 1*G95 + 1*G97 - 1*G101 - 2*G103 + 2*G107 + 1*G109 - 1*G111 - 1*H178 + 2*H181 + 1*H182 - 1*H196 + 1*H197 + 1*H207 + 1*H208 + 1*H211 + 1*H215 + 1*H217 + 1*H219 + 1*H221 + 1*H222 - 1*H223 - 1*H225 + 1*H228 + 1*H229 + 1*H231 + 1*H234 - 2*H235 - 1*H236 - 1*H238 + 1*H239 + 1*H243 - 1*H245 + 1*H246 + 1*H248 - 1*H250 + 1*H0 + 1*H1 + 1*H3 + 3*H4 + 1*H10 + 1*H11 - 1*H13 - 1*H25 - 1*H27 + 1*H28 + 1*H31 + 1*H34 - 1*H37 - 1*H39 - 1*H44 - 1*H47$$

$$J179 * J435 = 1*B1 + 1*B2 - 1*C6 - 1*C1 + 1*C7 - 1*D5 + 1*D6 - 1*D7 + 1*D8 - 1*E22 - 2*E24 + 1*E26 + 1*E28 - 1*E29 - 1*E31 - 1*E0 + 1*F54 - 1*F58 + 1*F59 - 1*F60 - 1*F6 + 1*F7 - 2*F8 - 1*F13 + 1*F14 - 1*F15 - 1*F16 + 1*G51 - 1*G54 + 1*G58 - 1*G59 + 1*G65 + 1*G69 - 1*G71 - 1*G78 + 2*G79 - 1*G90 - 1*G92 + 1*G96 + 1*G98 - 1*G102 - 2*G104 + 2*G108 + 1*G110 - 1*G112 - 1*H179 + 2*H182 + 1*H183 - 1*H197 + 1*H198 + 1*H208 + 1*H209 + 1*H212 + 1*H216 + 1*H218 + 1*H220 + 1*H222 + 1*H223 - 1*H224 - 1*H226 + 1*H229 + 1*H230 + 1*H232 + 1*H235 - 2*H236 - 1*H237 - 1*H239 + 1*H240 + 1*H244 - 1*H246 + 1*H247 + 1*H249 - 1*H251 + 1*H1 + 1*H2 + 1*H4 + 3*H5 + 1*H11 + 1*H12 - 1*H14 - 1*H26 - 1*H28 + 1*H29 + 1*H32 + 1*H35 - 1*H38 - 1*H40 - 1*H45 - 1*H48$$

$$J180 * J436 = 1*B2 + 1*B3 - 1*C1 - 1*C7 + 1*C4 - 1*D6 + 1*D7 - 1*D8 + 1*D9 - 1*E23 - 2*E25 + 1*E27 + 1*E29 - 1*E30 - 1*E0 - 1*E1 + 1*F55 - 1*F59 + 1*F60 - 1*F61 - 1*F7 + 1*F8 - 2*F9 - 1*F14 + 1*F15 - 1*F16 - 1*F17 + 1*G52 - 1*G55 + 1*G59 - 1*G60 + 1*G66 + 1*G70 - 1*G72 - 1*G79 + 2*G80 - 1*G91 - 1*G93 + 1*G97 + 1*G99 - 1*G103 - 2*G105 + 2*G109 + 1*G111 - 1*G113 - 1*H180 + 2*H183 + 1*H184 - 1*H198 + 1*H199 + 1*H209 + 1*H210 + 1*H213 + 1*H217 + 1*H219 + 1*H221 + 1*H223 + 1*H224 - 1*H225 - 1*H227 +$$

$$1*H230 + 1*H231 + 1*H233 + 1*H236 - 2*H237 - 1*H238 - 1*H240 + 1*H241 + 1*H245 - 1*H247 + 1*H248 + 1*H250 - 1*H252 + 1*H2 + 1*H3 + 1*H5 + 3*H6 + 1*H12 + 1*H13 - 1*H15 - 1*H27 - 1*H29 + 1*H30 + 1*H33 + 1*H36 - 1*H39 - 1*H41 - 1*H46 - 1*H49$$

$$J181 * J437 = 1*B3 + 1*B0 - 1*C7 - 1*C4 + 1*C2 - 1*D7 + 1*D8 - 1*D9 + 1*D10 - 1*E24 - 2*E26 + 1*E28 + 1*E30 - 1*E31 - 1*E1 - 1*E2 + 1*F56 - 1*F60 + 1*F61 - 1*F62 - 1*F8 + 1*F9 - 2*F10 - 1*F15 + 1*F16 - 1*F17 - 1*F18 + 1*G53 - 1*G56 + 1*G60 - 1*G61 + 1*G67 + 1*G71 - 1*G73 - 1*G80 + 2*G81 - 1*G92 - 1*G94 + 1*G98 + 1*G100 - 1*G104 - 2*G106 + 2*G110 + 1*G112 - 1*G114 - 1*H181 + 2*H184 + 1*H185 - 1*H199 + 1*H200 + 1*H210 + 1*H211 + 1*H214 + 1*H218 + 1*H220 + 1*H222 + 1*H224 + 1*H225 - 1*H226 - 1*H228 + 1*H231 + 1*H232 + 1*H234 + 1*H237 - 2*H238 - 1*H239 - 1*H241 + 1*H242 + 1*H246 - 1*H248 + 1*H249 + 1*H251 - 1*H253 + 1*H3 + 1*H4 + 1*H6 + 3*H7 + 1*H13 + 1*H14 - 1*H16 - 1*H28 - 1*H30 + 1*H31 + 1*H34 + 1*H37 - 1*H40 - 1*H42 - 1*H47 - 1*H50$$

$$J182 * J438 = 1*B0 + 1*B1 - 1*C4 - 1*C2 + 1*C5 - 1*D8 + 1*D9 - 1*D10 + 1*D11 - 1*E25 - 2*E27 + 1*E29 + 1*E31 - 1*E0 - 1*E2 - 1*E3 + 1*F57 - 1*F61 + 1*F62 - 1*F63 - 1*F9 + 1*F10 - 2*F11 - 1*F16 + 1*F17 - 1*F18 - 1*F19 + 1*G54 - 1*G57 + 1*G61 - 1*G62 + 1*G68 + 1*G72 - 1*G74 - 1*G81 + 2*G82 - 1*G93 - 1*G95 + 1*G99 + 1*G101 - 1*G105 - 2*G107 + 2*G111 + 1*G113 - 1*G115 - 1*H182 + 2*H185 + 1*H186 - 1*H200 + 1*H201 + 1*H211 + 1*H212 + 1*H215 + 1*H219 + 1*H221 + 1*H223 + 1*H225 + 1*H226 - 1*H227 - 1*H229 + 1*H232 + 1*H233 + 1*H235 + 1*H238 - 2*H239 - 1*H240 - 1*H242 + 1*H243 + 1*H247 - 1*H249 + 1*H250 + 1*H252 - 1*H254 + 1*H4 + 1*H5 + 1*H7 + 3*H8 + 1*H14 + 1*H15 - 1*H17 - 1*H29 - 1*H31 + 1*H32 + 1*H35 + 1*H38 - 1*H41 - 1*H43 - 1*H48 - 1*H51$$

$$J183 * J439 = 1*B1 + 1*B2 - 1*C2 - 1*C5 + 1*C3 - 1*D9 + 1*D10 - 1*D11 + 1*D12 - 1*E26 - 2*E28 + 1*E30 + 1*E0 - 1*E1 - 1*E3 - 1*E4 + 1*F58 - 1*F62 + 1*F63 - 1*F0 - 1*F10 + 1*F11 - 2*F12 - 1*F17 + 1*F18 - 1*F19 - 1*F20 + 1*G55 - 1*G58 + 1*G62 - 1*G63 + 1*G69 + 1*G73 - 1*G75 - 1*G82 + 2*G83 - 1*G94 - 1*G96 + 1*G100 + 1*G102 - 1*G106 - 2*G108 + 2*G112 + 1*G114 - 1*G116 - 1*H183 + 2*H186 + 1*H187 - 1*H201 + 1*H202 + 1*H212 + 1*H213 + 1*H216 + 1*H220 + 1*H222 + 1*H224 + 1*H226 + 1*H227 - 1*H228 - 1*H230 + 1*H233 + 1*H234 + 1*H236 + 1*H239 - 2*H240 - 1*H241 - 1*H243 + 1*H244 + 1*H248 - 1*H250 + 1*H251 + 1*H253 - 1*H255 + 1*H5 + 1*H6 + 1*H8 + 3*H9 + 1*H15 + 1*H16 - 1*H18 - 1*H30 - 1*H32 + 1*H33 + 1*H36 + 1*H39 - 1*H42 - 1*H44 - 1*H49 - 1*H52$$

$$J184 * J440 = 1*B2 + 1*B3 - 1*C5 - 1*C3 + 1*C0 - 1*D10 + 1*D11 - 1*D12 + 1*D13 - 1*E27 - 2*E29 + 1*E31 + 1*E1 - 1*E2 - 1*E4 - 1*E5 + 1*F59 - 1*F63 + 1*F0 - 1*F1 - 1*F11 + 1*F12 - 2*F13 - 1*F18 + 1*F19 - 1*F20 - 1*F21 + 1*G56 - 1*G59 + 1*G63 - 1*G64 + 1*G70 + 1*G74 - 1*G76 - 1*G83 + 2*G84 - 1*G95 - 1*G97 + 1*G101 + 1*G103 - 1*G107 - 2*G109 + 2*G113 + 1*G115 - 1*G117 - 1*H184 + 2*H187 + 1*H188 - 1*H202 + 1*H203 + 1*H213 + 1*H214 + 1*H217 + 1*H221 + 1*H223 + 1*H225 + 1*H227 + 1*H228 - 1*H229 - 1*H231 + 1*H234 + 1*H235 + 1*H237 + 1*H240 - 2*H241 - 1*H242 - 1*H244 + 1*H245 + 1*H249 - 1*H251 + 1*H252 + 1*H254 - 1*H0 + 1*H6 + 1*H7 + 1*H9 + 3*H10 + 1*H16 + 1*H17 - 1*H19 - 1*H31 - 1*H33 + 1*H34 + 1*H37 + 1*H40 - 1*H43 - 1*H45 - 1*H50 - 1*H53$$

$$J185 * J441 = 1*B3 + 1*B0 - 1*C3 - 1*C0 + 1*C6 - 1*D11 + 1*D12 - 1*D13 + 1*D14 - 1*E28 - 2*E30 + 1*E0 + 1*E2 - 1*E3 - 1*E5 - 1*E6 + 1*F60 - 1*F0 + 1*F1 - 1*F2 - 1*F12 + 1*F13 - 2*F14 - 1*F19 + 1*F20 - 1*F21 - 1*F22 + 1*G57 - 1*G60 + 1*G64 - 1*G65 + 1*G71 + 1*G75 - 1*G77 - 1*G84 + 2*G85 - 1*G96 - 1*G98 + 1*G102 + 1*G104 - 1*G108 - 2*G110 + 2*G114 + 1*G116 - 1*G118 - 1*H185 + 2*H188 + 1*H189 - 1*H203 + 1*H204 + 1*H214 + 1*H215 + 1*H218 + 1*H222 + 1*H224 + 1*H226 + 1*H228 + 1*H229 - 1*H230 - 1*H232 +$$

$$1*H235 + 1*H236 + 1*H238 + 1*H241 - 2*H242 - 1*H243 - 1*H245 + 1*H246 + 1*H250 - 1*H252 + 1*H253 + 1*H255 - 1*H1 + 1*H7 + 1*H8 + 1*H10 + 3*H11 + 1*H17 + 1*H18 - 1*H20 - 1*H32 - 1*H34 + 1*H35 + 1*H38 + 1*H41 - 1*H44 - 1*H46 - 1*H51 - 1*H54$$

$$J186 * J442 = 1*B0 + 1*B1 - 1*C0 - 1*C6 + 1*C1 - 1*D12 + 1*D13 - 1*D14 + 1*D15 - 1*E29 - 2*E31 + 1*E1 + 1*E3 - 1*E4 - 1*E6 - 1*E7 + 1*F61 - 1*F1 + 1*F2 - 1*F3 - 1*F13 + 1*F14 - 2*F15 - 1*F20 + 1*F21 - 1*F22 - 1*F23 + 1*G58 - 1*G61 + 1*G65 - 1*G66 + 1*G72 + 1*G76 - 1*G78 - 1*G85 + 2*G86 - 1*G97 - 1*G99 + 1*G103 + 1*G105 - 1*G109 - 2*G111 + 2*G115 + 1*G117 - 1*G119 - 1*H186 + 2*H189 + 1*H190 - 1*H204 + 1*H205 + 1*H215 + 1*H216 + 1*H219 + 1*H223 + 1*H225 + 1*H227 + 1*H229 + 1*H230 - 1*H231 - 1*H233 + 1*H236 + 1*H237 + 1*H239 + 1*H242 - 2*H243 - 1*H244 - 1*H246 + 1*H247 + 1*H251 - 1*H253 + 1*H254 + 1*H0 - 1*H2 + 1*H8 + 1*H9 + 1*H11 + 3*H12 + 1*H18 + 1*H19 - 1*H21 - 1*H33 - 1*H35 + 1*H36 + 1*H39 + 1*H42 - 1*H45 - 1*H47 - 1*H52 - 1*H55$$

$$J187 * J443 = 1*B1 + 1*B2 - 1*C6 - 1*C1 + 1*C7 - 1*D13 + 1*D14 - 1*D15 + 1*D0 - 1*E30 - 2*E0 + 1*E2 + 1*E4 - 1*E5 - 1*E7 - 1*E8 + 1*F62 - 1*F2 + 1*F3 - 1*F4 - 1*F14 + 1*F15 - 2*F16 - 1*F21 + 1*F22 - 1*F23 - 1*F24 + 1*G59 - 1*G62 + 1*G66 - 1*G67 + 1*G73 + 1*G77 - 1*G79 - 1*G86 + 2*G87 - 1*G98 - 1*G100 + 1*G104 + 1*G106 - 1*G110 - 2*G112 + 2*G116 + 1*G118 - 1*G120 - 1*H187 + 2*H190 + 1*H191 - 1*H205 + 1*H206 + 1*H216 + 1*H217 + 1*H220 + 1*H224 + 1*H226 + 1*H228 + 1*H230 + 1*H231 - 1*H232 - 1*H234 + 1*H237 + 1*H238 + 1*H240 + 1*H243 - 2*H244 - 1*H245 - 1*H247 + 1*H248 + 1*H252 - 1*H254 + 1*H255 + 1*H1 - 1*H3 + 1*H9 + 1*H10 + 1*H12 + 3*H13 + 1*H19 + 1*H20 - 1*H22 - 1*H34 - 1*H36 + 1*H37 + 1*H40 + 1*H43 - 1*H46 - 1*H48 - 1*H53 - 1*H56$$

$$J188 * J444 = 1*B2 + 1*B3 - 1*C1 - 1*C7 + 1*C4 - 1*D14 + 1*D15 - 1*D0 + 1*D1 - 1*E31 - 2*E1 + 1*E3 + 1*E5 - 1*E6 - 1*E8 - 1*E9 + 1*F63 - 1*F3 + 1*F4 - 1*F5 - 1*F15 + 1*F16 - 2*F17 - 1*F22 + 1*F23 - 1*F24 - 1*F25 + 1*G60 - 1*G63 + 1*G67 - 1*G68 + 1*G74 + 1*G78 - 1*G80 - 1*G87 + 2*G88 - 1*G99 - 1*G101 + 1*G105 + 1*G107 - 1*G111 - 2*G113 + 2*G117 + 1*G119 - 1*G121 - 1*H188 + 2*H191 + 1*H192 - 1*H206 + 1*H207 + 1*H217 + 1*H218 + 1*H221 + 1*H225 + 1*H227 + 1*H229 + 1*H231 + 1*H232 - 1*H233 - 1*H235 + 1*H238 + 1*H239 + 1*H241 + 1*H244 - 2*H245 - 1*H246 - 1*H248 + 1*H249 + 1*H253 - 1*H255 + 1*H0 + 1*H2 - 1*H4 + 1*H10 + 1*H11 + 1*H13 + 3*H14 + 1*H20 + 1*H21 - 1*H23 - 1*H35 - 1*H37 + 1*H38 + 1*H41 + 1*H44 - 1*H47 - 1*H49 - 1*H54 - 1*H57$$

$$J189 * J445 = 1*B3 + 1*B0 - 1*C7 - 1*C4 + 1*C2 - 1*D15 + 1*D0 - 1*D1 + 1*D2 - 1*E0 - 2*E2 + 1*E4 + 1*E6 - 1*E7 - 1*E9 - 1*E10 + 1*F0 - 1*F4 + 1*F5 - 1*F6 - 1*F16 + 1*F17 - 2*F18 - 1*F23 + 1*F24 - 1*F25 - 1*F26 + 1*G61 - 1*G64 + 1*G68 - 1*G69 + 1*G75 + 1*G79 - 1*G81 - 1*G88 + 2*G89 - 1*G100 - 1*G102 + 1*G106 + 1*G108 - 1*G112 - 2*G114 + 2*G118 + 1*G120 - 1*G122 - 1*H189 + 2*H192 + 1*H193 - 1*H207 + 1*H208 + 1*H218 + 1*H219 + 1*H222 + 1*H226 + 1*H228 + 1*H230 + 1*H232 + 1*H233 - 1*H234 - 1*H236 + 1*H239 + 1*H240 + 1*H242 + 1*H245 - 2*H246 - 1*H247 - 1*H249 + 1*H250 + 1*H254 - 1*H0 + 1*H1 + 1*H3 - 1*H5 + 1*H11 + 1*H12 + 1*H14 + 3*H15 + 1*H21 + 1*H22 - 1*H24 - 1*H36 - 1*H38 + 1*H39 + 1*H42 + 1*H45 - 1*H48 - 1*H50 - 1*H55 - 1*H58$$

$$J190 * J446 = 1*B0 + 1*B1 - 1*C4 - 1*C2 + 1*C5 - 1*D0 + 1*D1 - 1*D2 + 1*D3 - 1*E1 - 2*E3 + 1*E5 + 1*E7 - 1*E8 - 1*E10 - 1*E11 + 1*F1 - 1*F5 + 1*F6 - 1*F7 - 1*F17 + 1*F18 - 2*F19 - 1*F24 + 1*F25 - 1*F26 - 1*F27 + 1*G62 - 1*G65 + 1*G69 - 1*G70 + 1*G76 + 1*G80 - 1*G82 - 1*G89 + 2*G90 - 1*G101 - 1*G103 + 1*G107 + 1*G109 - 1*G113 - 2*G115 + 2*G119 + 1*G121 - 1*G123 - 1*H190 + 2*H193 + 1*H194 - 1*H208 + 1*H209 + 1*H219 + 1*H220 + 1*H223 + 1*H227 + 1*H229 + 1*H231 + 1*H233 + 1*H234 - 1*H235 - 1*H237 +$$

$$1^*H240 + 1^*H241 + 1^*H243 + 1^*H246 - 2^*H247 - 1^*H248 - 1^*H250 + 1^*H251 + 1^*H255 - 1^*H1 + 1^*H2 + 1^*H4 - 1^*H6 + 1^*H12 + 1^*H13 + 1^*H15 + 3^*H16 + 1^*H22 + 1^*H23 - 1^*H25 - 1^*H37 - 1^*H39 + 1^*H40 + 1^*H43 + 1^*H46 - 1^*H49 - 1^*H51 - 1^*H56 - 1^*H59$$

$$J191 * J447 = 1^*B1 + 1^*B2 - 1^*C2 - 1^*C5 + 1^*C3 - 1^*D1 + 1^*D2 - 1^*D3 + 1^*D4 - 1^*E2 - 2^*E4 + 1^*E6 + 1^*E8 - 1^*E9 - 1^*E11 - 1^*E12 + 1^*F2 - 1^*F6 + 1^*F7 - 1^*F8 - 1^*F18 + 1^*F19 - 2^*F20 - 1^*F25 + 1^*F26 - 1^*F27 - 1^*F28 + 1^*G63 - 1^*G66 + 1^*G70 - 1^*G71 + 1^*G77 + 1^*G81 - 1^*G83 - 1^*G90 + 2^*G91 - 1^*G102 - 1^*G104 + 1^*G108 + 1^*G110 - 1^*G114 - 2^*G116 + 2^*G120 + 1^*G122 - 1^*G124 - 1^*H191 + 2^*H194 + 1^*H195 - 1^*H209 + 1^*H210 + 1^*H220 + 1^*H221 + 1^*H224 + 1^*H228 + 1^*H230 + 1^*H232 + 1^*H234 + 1^*H235 - 1^*H236 - 1^*H238 + 1^*H241 + 1^*H242 + 1^*H244 + 1^*H247 - 2^*H248 - 1^*H249 - 1^*H251 + 1^*H252 + 1^*H0 - 1^*H2 + 1^*H3 + 1^*H5 - 1^*H7 + 1^*H13 + 1^*H14 + 1^*H16 + 3^*H17 + 1^*H23 + 1^*H24 - 1^*H26 - 1^*H38 - 1^*H40 + 1^*H41 + 1^*H44 + 1^*H47 - 1^*H50 - 1^*H52 - 1^*H57 - 1^*H60$$

$$J192 * J448 = 1^*B2 + 1^*B3 - 1^*C5 - 1^*C3 + 1^*C0 - 1^*D2 + 1^*D3 - 1^*D4 + 1^*D5 - 1^*E3 - 2^*E5 + 1^*E7 + 1^*E9 - 1^*E10 - 1^*E12 - 1^*E13 + 1^*F3 - 1^*F7 + 1^*F8 - 1^*F9 - 1^*F19 + 1^*F20 - 2^*F21 - 1^*F26 + 1^*F27 - 1^*F28 - 1^*F29 + 1^*G64 - 1^*G67 + 1^*G71 - 1^*G72 + 1^*G78 + 1^*G82 - 1^*G84 - 1^*G91 + 2^*G92 - 1^*G103 - 1^*G105 + 1^*G109 + 1^*G111 - 1^*G115 - 2^*G117 + 2^*G121 + 1^*G123 - 1^*G125 - 1^*H192 + 2^*H195 + 1^*H196 - 1^*H210 + 1^*H211 + 1^*H221 + 1^*H222 + 1^*H225 + 1^*H229 + 1^*H231 + 1^*H233 + 1^*H235 + 1^*H236 - 1^*H237 - 1^*H239 + 1^*H242 + 1^*H243 + 1^*H245 + 1^*H248 - 2^*H249 - 1^*H250 - 1^*H252 + 1^*H253 + 1^*H1 - 1^*H3 + 1^*H4 + 1^*H6 - 1^*H8 + 1^*H14 + 1^*H15 + 1^*H17 + 3^*H18 + 1^*H24 + 1^*H25 - 1^*H27 - 1^*H39 - 1^*H41 + 1^*H42 + 1^*H45 + 1^*H48 - 1^*H51 - 1^*H53 - 1^*H58 - 1^*H61$$

$$J193 * J449 = 1^*B3 + 1^*B0 - 1^*C3 - 1^*C0 + 1^*C6 - 1^*D3 + 1^*D4 - 1^*D5 + 1^*D6 - 1^*E4 - 2^*E6 + 1^*E8 + 1^*E10 - 1^*E11 - 1^*E13 - 1^*E14 + 1^*F4 - 1^*F8 + 1^*F9 - 1^*F10 - 1^*F20 + 1^*F21 - 2^*F22 - 1^*F27 + 1^*F28 - 1^*F29 - 1^*F30 + 1^*G65 - 1^*G68 + 1^*G72 - 1^*G73 + 1^*G79 + 1^*G83 - 1^*G85 - 1^*G92 + 2^*G93 - 1^*G104 - 1^*G106 + 1^*G110 + 1^*G112 - 1^*G116 - 2^*G118 + 2^*G122 + 1^*G124 - 1^*G126 - 1^*H193 + 2^*H196 + 1^*H197 - 1^*H211 + 1^*H212 + 1^*H222 + 1^*H223 + 1^*H226 + 1^*H230 + 1^*H232 + 1^*H234 + 1^*H236 + 1^*H237 - 1^*H238 - 1^*H240 + 1^*H243 + 1^*H244 + 1^*H246 + 1^*H249 - 2^*H250 - 1^*H251 - 1^*H253 + 1^*H254 + 1^*H2 - 1^*H4 + 1^*H5 + 1^*H7 - 1^*H9 + 1^*H15 + 1^*H16 + 1^*H18 + 3^*H19 + 1^*H25 + 1^*H26 - 1^*H28 - 1^*H40 - 1^*H42 + 1^*H43 + 1^*H46 + 1^*H49 - 1^*H52 - 1^*H54 - 1^*H59 - 1^*H62$$

$$J194 * J450 = 1^*B0 + 1^*B1 - 1^*C0 - 1^*C6 + 1^*C1 - 1^*D4 + 1^*D5 - 1^*D6 + 1^*D7 - 1^*E5 - 2^*E7 + 1^*E9 + 1^*E11 - 1^*E12 - 1^*E14 - 1^*E15 + 1^*F5 - 1^*F9 + 1^*F10 - 1^*F11 - 1^*F21 + 1^*F22 - 2^*F23 - 1^*F28 + 1^*F29 - 1^*F30 - 1^*F31 + 1^*G66 - 1^*G69 + 1^*G73 - 1^*G74 + 1^*G80 + 1^*G84 - 1^*G86 - 1^*G93 + 2^*G94 - 1^*G105 - 1^*G107 + 1^*G111 + 1^*G113 - 1^*G117 - 2^*G119 + 2^*G123 + 1^*G125 - 1^*G127 - 1^*H194 + 2^*H197 + 1^*H198 - 1^*H212 + 1^*H213 + 1^*H223 + 1^*H224 + 1^*H227 + 1^*H231 + 1^*H233 + 1^*H235 + 1^*H237 + 1^*H238 - 1^*H239 - 1^*H241 + 1^*H244 + 1^*H245 + 1^*H247 + 1^*H250 - 2^*H251 - 1^*H252 - 1^*H254 + 1^*H255 + 1^*H3 - 1^*H5 + 1^*H6 + 1^*H8 - 1^*H10 + 1^*H16 + 1^*H17 + 1^*H19 + 3^*H20 + 1^*H26 + 1^*H27 - 1^*H29 - 1^*H41 - 1^*H43 + 1^*H44 + 1^*H47 + 1^*H50 - 1^*H53 - 1^*H55 - 1^*H60 - 1^*H63$$

$$J195 * J451 = 1^*B1 + 1^*B2 - 1^*C6 - 1^*C1 + 1^*C7 - 1^*D5 + 1^*D6 - 1^*D7 + 1^*D8 - 1^*E6 - 2^*E8 + 1^*E10 + 1^*E12 - 1^*E13 - 1^*E15 - 1^*E16 + 1^*F6 - 1^*F10 + 1^*F11 - 1^*F12 - 1^*F22 + 1^*F23 - 2^*F24 - 1^*F29 + 1^*F30 - 1^*F31 - 1^*F32 + 1^*G67 - 1^*G70 + 1^*G74 - 1^*G75 + 1^*G81 + 1^*G85 - 1^*G87 - 1^*G94 + 2^*G95 - 1^*G106 - 1^*G108 + 1^*G112 + 1^*G114 - 1^*G118 - 2^*G120 + 2^*G124 + 1^*G126 - 1^*G0 - 1^*H195 + 2^*H198 + 1^*H199 - 1^*H213 + 1^*H214 + 1^*H224 + 1^*H225 + 1^*H228 + 1^*H232 + 1^*H234 + 1^*H236 + 1^*H238 + 1^*H239 - 1^*H240 - 1^*H242 +$$

$$1^*H245 + 1^*H246 + 1^*H248 + 1^*H251 - 2^*H252 - 1^*H253 - 1^*H255 + 1^*H0 + 1^*H4 - 1^*H6 + 1^*H7 + 1^*H9 - 1^*H11 + 1^*H17 + 1^*H18 + 1^*H20 + 3^*H21 + 1^*H27 + 1^*H28 - 1^*H30 - 1^*H42 - 1^*H44 + 1^*H45 + 1^*H48 + 1^*H51 - 1^*H54 - 1^*H56 - 1^*H61 - 1^*H64$$

$$J196 * J452 = 1^*B2 + 1^*B3 - 1^*C1 - 1^*C7 + 1^*C4 - 1^*D6 + 1^*D7 - 1^*D8 + 1^*D9 - 1^*E7 - 2^*E9 + 1^*E11 + 1^*E13 - 1^*E14 - 1^*E16 - 1^*E17 + 1^*F7 - 1^*F11 + 1^*F12 - 1^*F13 - 1^*F23 + 1^*F24 - 2^*F25 - 1^*F30 + 1^*F31 - 1^*F32 - 1^*F33 + 1^*G68 - 1^*G71 + 1^*G75 - 1^*G76 + 1^*G82 + 1^*G86 - 1^*G88 - 1^*G95 + 2^*G96 - 1^*G107 - 1^*G109 + 1^*G113 + 1^*G115 - 1^*G119 - 2^*G121 + 2^*G125 + 1^*G127 - 1^*G1 - 1^*H196 + 2^*H199 + 1^*H200 - 1^*H214 + 1^*H215 + 1^*H225 + 1^*H226 + 1^*H229 + 1^*H233 + 1^*H235 + 1^*H237 + 1^*H239 + 1^*H240 - 1^*H241 - 1^*H243 + 1^*H246 + 1^*H247 + 1^*H249 + 1^*H252 - 2^*H253 - 1^*H254 - 1^*H0 + 1^*H1 + 1^*H5 - 1^*H7 + 1^*H8 + 1^*H10 - 1^*H12 + 1^*H18 + 1^*H19 + 1^*H21 + 3^*H22 + 1^*H28 + 1^*H29 - 1^*H31 - 1^*H43 - 1^*H45 + 1^*H46 + 1^*H49 + 1^*H52 - 1^*H55 - 1^*H57 - 1^*H62 - 1^*H65$$

$$J197 * J453 = 1^*B3 + 1^*B0 - 1^*C7 - 1^*C4 + 1^*C2 - 1^*D7 + 1^*D8 - 1^*D9 + 1^*D10 - 1^*E8 - 2^*E10 + 1^*E12 + 1^*E14 - 1^*E15 - 1^*E17 - 1^*E18 + 1^*F8 - 1^*F12 + 1^*F13 - 1^*F14 - 1^*F24 + 1^*F25 - 2^*F26 - 1^*F31 + 1^*F32 - 1^*F33 - 1^*F34 + 1^*G69 - 1^*G72 + 1^*G76 - 1^*G77 + 1^*G83 + 1^*G87 - 1^*G89 - 1^*G96 + 2^*G97 - 1^*G108 - 1^*G110 + 1^*G114 + 1^*G116 - 1^*G120 - 2^*G122 + 2^*G126 + 1^*G0 - 1^*G2 - 1^*H197 + 2^*H200 + 1^*H201 - 1^*H215 + 1^*H216 + 1^*H226 + 1^*H227 + 1^*H230 + 1^*H234 + 1^*H236 + 1^*H238 + 1^*H240 + 1^*H241 - 1^*H242 - 1^*H244 + 1^*H247 + 1^*H248 + 1^*H250 + 1^*H253 - 2^*H254 - 1^*H255 - 1^*H1 + 1^*H2 + 1^*H6 - 1^*H8 + 1^*H9 + 1^*H11 - 1^*H13 + 1^*H19 + 1^*H20 + 1^*H22 + 3^*H23 + 1^*H29 + 1^*H30 - 1^*H32 - 1^*H44 - 1^*H46 + 1^*H47 + 1^*H50 + 1^*H53 - 1^*H56 - 1^*H58 - 1^*H63 - 1^*H66$$

$$J198 * J454 = 1^*B0 + 1^*B1 - 1^*C4 - 1^*C2 + 1^*C5 - 1^*D8 + 1^*D9 - 1^*D10 + 1^*D11 - 1^*E9 - 2^*E11 + 1^*E13 + 1^*E15 - 1^*E16 - 1^*E18 - 1^*E19 + 1^*F9 - 1^*F13 + 1^*F14 - 1^*F15 - 1^*F25 + 1^*F26 - 2^*F27 - 1^*F32 + 1^*F33 - 1^*F34 - 1^*F35 + 1^*G70 - 1^*G73 + 1^*G77 - 1^*G78 + 1^*G84 + 1^*G88 - 1^*G90 - 1^*G97 + 2^*G98 - 1^*G109 - 1^*G111 + 1^*G115 + 1^*G117 - 1^*G121 - 2^*G123 + 2^*G127 + 1^*G1 - 1^*G3 - 1^*H198 + 2^*H201 + 1^*H202 - 1^*H216 + 1^*H217 + 1^*H227 + 1^*H228 + 1^*H231 + 1^*H235 + 1^*H237 + 1^*H239 + 1^*H241 + 1^*H242 - 1^*H243 - 1^*H245 + 1^*H248 + 1^*H249 + 1^*H251 + 1^*H254 - 2^*H255 - 1^*H0 - 1^*H2 + 1^*H3 + 1^*H7 - 1^*H9 + 1^*H10 + 1^*H12 - 1^*H14 + 1^*H20 + 1^*H21 + 1^*H23 + 3^*H24 + 1^*H30 + 1^*H31 - 1^*H33 - 1^*H45 - 1^*H47 + 1^*H48 + 1^*H51 + 1^*H54 - 1^*H57 - 1^*H59 - 1^*H64 - 1^*H67$$

$$J199 * J455 = 1^*B1 + 1^*B2 - 1^*C2 - 1^*C5 + 1^*C3 - 1^*D9 + 1^*D10 - 1^*D11 + 1^*D12 - 1^*E10 - 2^*E12 + 1^*E14 + 1^*E16 - 1^*E17 - 1^*E19 - 1^*E20 + 1^*F10 - 1^*F14 + 1^*F15 - 1^*F16 - 1^*F26 + 1^*F27 - 2^*F28 - 1^*F33 + 1^*F34 - 1^*F35 - 1^*F36 + 1^*G71 - 1^*G74 + 1^*G78 - 1^*G79 + 1^*G85 + 1^*G89 - 1^*G91 - 1^*G98 + 2^*G99 - 1^*G110 - 1^*G112 + 1^*G116 + 1^*G118 - 1^*G122 - 2^*G124 + 2^*G0 + 1^*G2 - 1^*G4 - 1^*H199 + 2^*H202 + 1^*H203 - 1^*H217 + 1^*H218 + 1^*H228 + 1^*H229 + 1^*H232 + 1^*H236 + 1^*H238 + 1^*H240 + 1^*H242 + 1^*H243 - 1^*H244 - 1^*H246 + 1^*H249 + 1^*H250 + 1^*H252 + 1^*H255 - 2^*H0 - 1^*H1 - 1^*H3 + 1^*H4 + 1^*H8 - 1^*H10 + 1^*H11 + 1^*H13 - 1^*H15 + 1^*H21 + 1^*H22 + 1^*H24 + 3^*H25 + 1^*H31 + 1^*H32 - 1^*H34 - 1^*H46 - 1^*H48 + 1^*H49 + 1^*H52 + 1^*H55 - 1^*H58 - 1^*H60 - 1^*H65 - 1^*H68$$

$$J200 * J456 = 1^*B2 + 1^*B3 - 1^*C5 - 1^*C3 + 1^*C0 - 1^*D10 + 1^*D11 - 1^*D12 + 1^*D13 - 1^*E11 - 2^*E13 + 1^*E15 + 1^*E17 - 1^*E18 - 1^*E20 - 1^*E21 + 1^*F11 - 1^*F15 + 1^*F16 - 1^*F17 - 1^*F27 + 1^*F28 - 2^*F29 - 1^*F34 + 1^*F35 - 1^*F36 - 1^*F37 + 1^*G72 - 1^*G75 + 1^*G79 - 1^*G80 + 1^*G86 + 1^*G90 - 1^*G92 - 1^*G99 + 2^*G100 - 1^*G111 - 1^*G113 + 1^*G117 + 1^*G119 - 1^*G123 - 2^*G125 + 2^*G1 + 1^*G3 - 1^*G5 - 1^*H200 + 2^*H203 + 1^*H204 - 1^*H218 + 1^*H219 + 1^*H229 + 1^*H230 + 1^*H233 + 1^*H237 + 1^*H239 + 1^*H241 + 1^*H243 + 1^*H244 - 1^*H245 -$$

$$1*H247 + 1*H250 + 1*H251 + 1*H253 + 1*H0 - 2*H1 - 1*H2 - 1*H4 + 1*H5 + 1*H9 - 1*H11 + 1*H12 + 1*H14 - 1*H16 + 1*H22 + 1*H23 + 1*H25 + 3*H26 + 1*H32 + 1*H33 - 1*H35 - 1*H47 - 1*H49 + 1*H50 + 1*H53 + 1*H56 - 1*H59 - 1*H61 - 1*H66 - 1*H69$$

$$J201 * J457 = 1*B3 + 1*B0 - 1*C3 - 1*C0 + 1*C6 - 1*D11 + 1*D12 - 1*D13 + 1*D14 - 1*E12 - 2*E14 + 1*E16 + 1*E18 - 1*E19 - 1*E21 - 1*E22 + 1*F12 - 1*F16 + 1*F17 - 1*F18 - 1*F28 + 1*F29 - 2*F30 - 1*F35 + 1*F36 - 1*F37 - 1*F38 + 1*G73 - 1*G76 + 1*G80 - 1*G81 + 1*G87 + 1*G91 - 1*G93 - 1*G100 + 2*G101 - 1*G112 - 1*G114 + 1*G118 + 1*G120 - 1*G124 - 2*G126 + 2*G2 + 1*G4 - 1*G6 - 1*H201 + 2*H204 + 1*H205 - 1*H219 + 1*H220 + 1*H230 + 1*H231 + 1*H234 + 1*H238 + 1*H240 + 1*H242 + 1*H244 + 1*H245 - 1*H246 - 1*H248 + 1*H251 + 1*H252 + 1*H254 + 1*H1 - 2*H2 - 1*H3 - 1*H5 + 1*H6 + 1*H10 - 1*H12 + 1*H13 + 1*H15 - 1*H17 + 1*H23 + 1*H24 + 1*H26 + 3*H27 + 1*H33 + 1*H34 - 1*H36 - 1*H48 - 1*H50 + 1*H51 + 1*H54 + 1*H57 - 1*H60 - 1*H62 - 1*H67 - 1*H70$$

$$J202 * J458 = 1*B0 + 1*B1 - 1*C0 - 1*C6 + 1*C1 - 1*D12 + 1*D13 - 1*D14 + 1*D15 - 1*E13 - 2*E15 + 1*E17 + 1*E19 - 1*E20 - 1*E22 - 1*E23 + 1*F13 - 1*F17 + 1*F18 - 1*F19 - 1*F29 + 1*F30 - 2*F31 - 1*F36 + 1*F37 - 1*F38 - 1*F39 + 1*G74 - 1*G77 + 1*G81 - 1*G82 + 1*G88 + 1*G92 - 1*G94 - 1*G101 + 2*G102 - 1*G113 - 1*G115 + 1*G119 + 1*G121 - 1*G125 - 2*G127 + 2*G3 + 1*G5 - 1*G7 - 1*H202 + 2*H205 + 1*H206 - 1*H220 + 1*H221 + 1*H231 + 1*H232 + 1*H235 + 1*H239 + 1*H241 + 1*H243 + 1*H245 + 1*H246 - 1*H247 - 1*H249 + 1*H252 + 1*H253 + 1*H255 + 1*H2 - 2*H3 - 1*H4 - 1*H6 + 1*H7 + 1*H11 - 1*H13 + 1*H14 + 1*H16 - 1*H18 + 1*H24 + 1*H25 + 1*H27 + 3*H28 + 1*H34 + 1*H35 - 1*H37 - 1*H49 - 1*H51 + 1*H52 + 1*H55 + 1*H58 - 1*H61 - 1*H63 - 1*H68 - 1*H71$$

$$J203 * J459 = 1*B1 + 1*B2 - 1*C6 - 1*C1 + 1*C7 - 1*D13 + 1*D14 - 1*D15 + 1*D0 - 1*E14 - 2*E16 + 1*E18 + 1*E20 - 1*E21 - 1*E23 - 1*E24 + 1*F14 - 1*F18 + 1*F19 - 1*F20 - 1*F30 + 1*F31 - 2*F32 - 1*F37 + 1*F38 - 1*F39 - 1*F40 + 1*G75 - 1*G78 + 1*G82 - 1*G83 + 1*G89 + 1*G93 - 1*G95 - 1*G102 + 2*G103 - 1*G114 - 1*G116 + 1*G120 + 1*G122 - 1*G126 - 2*G0 + 2*G4 + 1*G6 - 1*G8 - 1*H203 + 2*H206 + 1*H207 - 1*H221 + 1*H222 + 1*H232 + 1*H233 + 1*H236 + 1*H240 + 1*H242 + 1*H244 + 1*H246 + 1*H247 - 1*H248 - 1*H250 + 1*H253 + 1*H254 + 1*H0 + 1*H3 - 2*H4 - 1*H5 - 1*H7 + 1*H8 + 1*H12 - 1*H14 + 1*H15 + 1*H17 - 1*H19 + 1*H25 + 1*H26 + 1*H28 + 3*H29 + 1*H35 + 1*H36 - 1*H38 - 1*H50 - 1*H52 + 1*H53 + 1*H56 + 1*H59 - 1*H62 - 1*H64 - 1*H69 - 1*H72$$

$$J204 * J460 = 1*B2 + 1*B3 - 1*C1 - 1*C7 + 1*C4 - 1*D14 + 1*D15 - 1*D0 + 1*D1 - 1*E15 - 2*E17 + 1*E19 + 1*E21 - 1*E22 - 1*E24 - 1*E25 + 1*F15 - 1*F19 + 1*F20 - 1*F21 - 1*F31 + 1*F32 - 2*F33 - 1*F38 + 1*F39 - 1*F40 - 1*F41 + 1*G76 - 1*G79 + 1*G83 - 1*G84 + 1*G90 + 1*G94 - 1*G96 - 1*G103 + 2*G104 - 1*G115 - 1*G117 + 1*G121 + 1*G123 - 1*G127 - 2*G1 + 2*G5 + 1*G7 - 1*G9 - 1*H204 + 2*H207 + 1*H208 - 1*H222 + 1*H223 + 1*H233 + 1*H234 + 1*H237 + 1*H241 + 1*H243 + 1*H245 + 1*H247 + 1*H248 - 1*H249 - 1*H251 + 1*H254 + 1*H255 + 1*H1 + 1*H4 - 2*H5 - 1*H6 - 1*H8 + 1*H9 + 1*H13 - 1*H15 + 1*H16 + 1*H18 - 1*H20 + 1*H26 + 1*H27 + 1*H29 + 3*H30 + 1*H36 + 1*H37 - 1*H39 - 1*H51 - 1*H53 + 1*H54 + 1*H57 + 1*H60 - 1*H63 - 1*H65 - 1*H70 - 1*H73$$

$$J205 * J461 = 1*B3 + 1*B0 - 1*C7 - 1*C4 + 1*C2 - 1*D15 + 1*D0 - 1*D1 + 1*D2 - 1*E16 - 2*E18 + 1*E20 + 1*E22 - 1*E23 - 1*E25 - 1*E26 + 1*F16 - 1*F20 + 1*F21 - 1*F22 - 1*F32 + 1*F33 - 2*F34 - 1*F39 + 1*F40 - 1*F41 - 1*F42 + 1*G77 - 1*G80 + 1*G84 - 1*G85 + 1*G91 + 1*G95 - 1*G97 - 1*G104 + 2*G105 - 1*G116 - 1*G118 + 1*G122 + 1*G124 - 1*G0 - 2*G2 + 2*G6 + 1*G8 - 1*G10 - 1*H205 + 2*H208 + 1*H209 - 1*H223 + 1*H224 + 1*H234 + 1*H235 + 1*H238 + 1*H242 + 1*H244 + 1*H246 + 1*H248 + 1*H249 - 1*H250 - 1*H252 +$$

$$1*H255 + 1*H0 + 1*H2 + 1*H5 - 2*H6 - 1*H7 - 1*H9 + 1*H10 + 1*H14 - 1*H16 + 1*H17 + 1*H19 - 1*H21 + 1*H27 + 1*H28 + 1*H30 + 3*H31 + 1*H37 + 1*H38 - 1*H40 - 1*H52 - 1*H54 + 1*H55 + 1*H58 + 1*H61 - 1*H64 - 1*H66 - 1*H71 - 1*H74$$

$$J206 * J462 = 1*B0 + 1*B1 - 1*C4 - 1*C2 + 1*C5 - 1*D0 + 1*D1 - 1*D2 + 1*D3 - 1*E17 - 2*E19 + 1*E21 + 1*E23 - 1*E24 - 1*E26 - 1*E27 + 1*F17 - 1*F21 + 1*F22 - 1*F23 - 1*F33 + 1*F34 - 2*F35 - 1*F40 + 1*F41 - 1*F42 - 1*F43 + 1*G78 - 1*G81 + 1*G85 - 1*G86 + 1*G92 + 1*G96 - 1*G98 - 1*G105 + 2*G106 - 1*G117 - 1*G119 + 1*G123 + 1*G125 - 1*G1 - 2*G3 + 2*G7 + 1*G9 - 1*G11 - 1*H206 + 2*H209 + 1*H210 - 1*H224 + 1*H225 + 1*H235 + 1*H236 + 1*H239 + 1*H243 + 1*H245 + 1*H247 + 1*H249 + 1*H250 - 1*H251 - 1*H253 + 1*H0 + 1*H1 + 1*H3 + 1*H6 - 2*H7 - 1*H8 - 1*H10 + 1*H11 + 1*H15 - 1*H17 + 1*H18 + 1*H20 - 1*H22 + 1*H28 + 1*H29 + 1*H31 + 3*H32 + 1*H38 + 1*H39 - 1*H41 - 1*H53 - 1*H55 + 1*H56 + 1*H59 + 1*H62 - 1*H65 - 1*H67 - 1*H72 - 1*H75$$

$$J207 * J463 = 1*B1 + 1*B2 - 1*C2 - 1*C5 + 1*C3 - 1*D1 + 1*D2 - 1*D3 + 1*D4 - 1*E18 - 2*E20 + 1*E22 + 1*E24 - 1*E25 - 1*E27 - 1*E28 + 1*F18 - 1*F22 + 1*F23 - 1*F24 - 1*F34 + 1*F35 - 2*F36 - 1*F41 + 1*F42 - 1*F43 - 1*F44 + 1*G79 - 1*G82 + 1*G86 - 1*G87 + 1*G93 + 1*G97 - 1*G99 - 1*G106 + 2*G107 - 1*G118 - 1*G120 + 1*G124 + 1*G126 - 1*G2 - 2*G4 + 2*G8 + 1*G10 - 1*G12 - 1*H207 + 2*H210 + 1*H211 - 1*H225 + 1*H226 + 1*H236 + 1*H237 + 1*H240 + 1*H244 + 1*H246 + 1*H248 + 1*H250 + 1*H251 - 1*H252 - 1*H254 + 1*H1 + 1*H2 + 1*H4 + 1*H7 - 2*H8 - 1*H9 - 1*H11 + 1*H12 + 1*H16 - 1*H18 + 1*H19 + 1*H21 - 1*H23 + 1*H29 + 1*H30 + 1*H32 + 3*H33 + 1*H39 + 1*H40 - 1*H42 - 1*H54 - 1*H56 + 1*H57 + 1*H60 + 1*H63 - 1*H66 - 1*H68 - 1*H73 - 1*H76$$

$$J208 * J464 = 1*B2 + 1*B3 - 1*C5 - 1*C3 + 1*C0 - 1*D2 + 1*D3 - 1*D4 + 1*D5 - 1*E19 - 2*E21 + 1*E23 + 1*E25 - 1*E26 - 1*E28 - 1*E29 + 1*F19 - 1*F23 + 1*F24 - 1*F25 - 1*F35 + 1*F36 - 2*F37 - 1*F42 + 1*F43 - 1*F44 - 1*F45 + 1*G80 - 1*G83 + 1*G87 - 1*G88 + 1*G94 + 1*G98 - 1*G100 - 1*G107 + 2*G108 - 1*G119 - 1*G121 + 1*G125 + 1*G127 - 1*G3 - 2*G5 + 2*G9 + 1*G11 - 1*G13 - 1*H208 + 2*H211 + 1*H212 - 1*H226 + 1*H227 + 1*H237 + 1*H238 + 1*H241 + 1*H245 + 1*H247 + 1*H249 + 1*H251 + 1*H252 - 1*H253 - 1*H255 + 1*H2 + 1*H3 + 1*H5 + 1*H8 - 2*H9 - 1*H10 - 1*H12 + 1*H13 + 1*H17 - 1*H19 + 1*H20 + 1*H22 - 1*H24 + 1*H30 + 1*H31 + 1*H33 + 3*H34 + 1*H40 + 1*H41 - 1*H43 - 1*H55 - 1*H57 + 1*H58 + 1*H61 + 1*H64 - 1*H67 - 1*H69 - 1*H74 - 1*H77$$

$$J209 * J465 = 1*B3 + 1*B0 - 1*C3 - 1*C0 + 1*C6 - 1*D3 + 1*D4 - 1*D5 + 1*D6 - 1*E20 - 2*E22 + 1*E24 + 1*E26 - 1*E27 - 1*E29 - 1*E30 + 1*F20 - 1*F24 + 1*F25 - 1*F26 - 1*F36 + 1*F37 - 2*F38 - 1*F43 + 1*F44 - 1*F45 - 1*F46 + 1*G81 - 1*G84 + 1*G88 - 1*G89 + 1*G95 + 1*G99 - 1*G101 - 1*G108 + 2*G109 - 1*G120 - 1*G122 + 1*G126 + 1*G0 - 1*G4 - 2*G6 + 2*G10 + 1*G12 - 1*G14 - 1*H209 + 2*H212 + 1*H213 - 1*H227 + 1*H228 + 1*H238 + 1*H239 + 1*H242 + 1*H246 + 1*H248 + 1*H250 + 1*H252 + 1*H253 - 1*H254 - 1*H0 + 1*H3 + 1*H4 + 1*H6 + 1*H9 - 2*H10 - 1*H11 - 1*H13 + 1*H14 + 1*H18 - 1*H20 + 1*H21 + 1*H23 - 1*H25 + 1*H31 + 1*H32 + 1*H34 + 3*H35 + 1*H41 + 1*H42 - 1*H44 - 1*H56 - 1*H58 + 1*H59 + 1*H62 + 1*H65 - 1*H68 - 1*H70 - 1*H75 - 1*H78$$

$$J210 * J466 = 1*B0 + 1*B1 - 1*C0 - 1*C6 + 1*C1 - 1*D4 + 1*D5 - 1*D6 + 1*D7 - 1*E21 - 2*E23 + 1*E25 + 1*E27 - 1*E28 - 1*E30 - 1*E31 + 1*F21 - 1*F25 + 1*F26 - 1*F27 - 1*F37 + 1*F38 - 2*F39 - 1*F44 + 1*F45 - 1*F46 - 1*F47 + 1*G82 - 1*G85 + 1*G89 - 1*G90 + 1*G96 + 1*G100 - 1*G102 - 1*G109 + 2*G110 - 1*G121 - 1*G123 + 1*G127 + 1*G1 - 1*G5 - 2*G7 + 2*G11 + 1*G13 - 1*G15 - 1*H210 + 2*H213 + 1*H214 - 1*H228 + 1*H229 + 1*H239 + 1*H240 + 1*H243 + 1*H247 + 1*H249 + 1*H251 + 1*H253 + 1*H254 - 1*H255 - 1*H1 +$$

$$1^*H4 + 1^*H5 + 1^*H7 + 1^*H10 - 2^*H11 - 1^*H12 - 1^*H14 + 1^*H15 + 1^*H19 - 1^*H21 + 1^*H22 + 1^*H24 - 1^*H26 + 1^*H32 + 1^*H33 + 1^*H35 + 3^*H36 + 1^*H42 + 1^*H43 - 1^*H45 - 1^*H57 - 1^*H59 + 1^*H60 + 1^*H63 + 1^*H66 - 1^*H69 - 1^*H71 - 1^*H76 - 1^*H79$$

$$J211 * J467 = 1^*B1 + 1^*B2 - 1^*C6 - 1^*C1 + 1^*C7 - 1^*D5 + 1^*D6 - 1^*D7 + 1^*D8 - 1^*E22 - 2^*E24 + 1^*E26 + 1^*E28 - 1^*E29 - 1^*E31 - 1^*E0 + 1^*F22 - 1^*F26 + 1^*F27 - 1^*F28 - 1^*F38 + 1^*F39 - 2^*F40 - 1^*F45 + 1^*F46 - 1^*F47 - 1^*F48 + 1^*G83 - 1^*G86 + 1^*G90 - 1^*G91 + 1^*G97 + 1^*G101 - 1^*G103 - 1^*G110 + 2^*G111 - 1^*G122 - 1^*G124 + 1^*G0 + 1^*G2 - 1^*G6 - 2^*G8 + 2^*G12 + 1^*G14 - 1^*G16 - 1^*H211 + 2^*H214 + 1^*H215 - 1^*H229 + 1^*H230 + 1^*H240 + 1^*H241 + 1^*H244 + 1^*H248 + 1^*H250 + 1^*H252 + 1^*H254 + 1^*H255 - 1^*H0 - 1^*H2 + 1^*H5 + 1^*H6 + 1^*H8 + 1^*H11 - 2^*H12 - 1^*H13 - 1^*H15 + 1^*H16 + 1^*H20 - 1^*H22 + 1^*H23 + 1^*H25 - 1^*H27 + 1^*H33 + 1^*H34 + 1^*H36 + 3^*H37 + 1^*H43 + 1^*H44 - 1^*H46 - 1^*H58 - 1^*H60 + 1^*H61 + 1^*H64 + 1^*H67 - 1^*H70 - 1^*H72 - 1^*H77 - 1^*H80$$

$$J212 * J468 = 1^*B2 + 1^*B3 - 1^*C1 - 1^*C7 + 1^*C4 - 1^*D6 + 1^*D7 - 1^*D8 + 1^*D9 - 1^*E23 - 2^*E25 + 1^*E27 + 1^*E29 - 1^*E30 - 1^*E0 - 1^*E1 + 1^*F23 - 1^*F27 + 1^*F28 - 1^*F29 - 1^*F39 + 1^*F40 - 2^*F41 - 1^*F46 + 1^*F47 - 1^*F48 - 1^*F49 + 1^*G84 - 1^*G87 + 1^*G91 - 1^*G92 + 1^*G98 + 1^*G102 - 1^*G104 - 1^*G111 + 2^*G112 - 1^*G123 - 1^*G125 + 1^*G1 + 1^*G3 - 1^*G7 - 2^*G9 + 2^*G13 + 1^*G15 - 1^*G17 - 1^*H212 + 2^*H215 + 1^*H216 - 1^*H230 + 1^*H231 + 1^*H241 + 1^*H242 + 1^*H245 + 1^*H249 + 1^*H251 + 1^*H253 + 1^*H255 + 1^*H0 - 1^*H1 - 1^*H3 + 1^*H6 + 1^*H7 + 1^*H9 + 1^*H12 - 2^*H13 - 1^*H14 - 1^*H16 + 1^*H17 + 1^*H21 - 1^*H23 + 1^*H24 + 1^*H26 - 1^*H28 + 1^*H34 + 1^*H35 + 1^*H37 + 3^*H38 + 1^*H44 + 1^*H45 - 1^*H47 - 1^*H59 - 1^*H61 + 1^*H62 + 1^*H65 + 1^*H68 - 1^*H71 - 1^*H73 - 1^*H78 - 1^*H81$$

$$J213 * J469 = 1^*B3 + 1^*B0 - 1^*C7 - 1^*C4 + 1^*C2 - 1^*D7 + 1^*D8 - 1^*D9 + 1^*D10 - 1^*E24 - 2^*E26 + 1^*E28 + 1^*E30 - 1^*E31 - 1^*E1 - 1^*E2 + 1^*F24 - 1^*F28 + 1^*F29 - 1^*F30 - 1^*F40 + 1^*F41 - 2^*F42 - 1^*F47 + 1^*F48 - 1^*F49 - 1^*F50 + 1^*G85 - 1^*G88 + 1^*G92 - 1^*G93 + 1^*G99 + 1^*G103 - 1^*G105 - 1^*G112 + 2^*G113 - 1^*G124 - 1^*G126 + 1^*G2 + 1^*G4 - 1^*G8 - 2^*G10 + 2^*G14 + 1^*G16 - 1^*G18 - 1^*H213 + 2^*H216 + 1^*H217 - 1^*H231 + 1^*H232 + 1^*H242 + 1^*H243 + 1^*H246 + 1^*H250 + 1^*H252 + 1^*H254 + 1^*H0 + 1^*H1 - 1^*H2 - 1^*H4 + 1^*H7 + 1^*H8 + 1^*H10 + 1^*H13 - 2^*H14 - 1^*H15 - 1^*H17 + 1^*H18 + 1^*H22 - 1^*H24 + 1^*H25 + 1^*H27 - 1^*H29 + 1^*H35 + 1^*H36 + 1^*H38 + 3^*H39 + 1^*H45 + 1^*H46 - 1^*H48 - 1^*H60 - 1^*H62 + 1^*H63 + 1^*H66 + 1^*H69 - 1^*H72 - 1^*H74 - 1^*H79 - 1^*H82$$

$$J214 * J470 = 1^*B0 + 1^*B1 - 1^*C4 - 1^*C2 + 1^*C5 - 1^*D8 + 1^*D9 - 1^*D10 + 1^*D11 - 1^*E25 - 2^*E27 + 1^*E29 + 1^*E31 - 1^*E0 - 1^*E2 - 1^*E3 + 1^*F25 - 1^*F29 + 1^*F30 - 1^*F31 - 1^*F41 + 1^*F42 - 2^*F43 - 1^*F48 + 1^*F49 - 1^*F50 - 1^*F51 + 1^*G86 - 1^*G89 + 1^*G93 - 1^*G94 + 1^*G100 + 1^*G104 - 1^*G106 - 1^*G113 + 2^*G114 - 1^*G125 - 1^*G127 + 1^*G3 + 1^*G5 - 1^*G9 - 2^*G11 + 2^*G15 + 1^*G17 - 1^*G19 - 1^*H214 + 2^*H217 + 1^*H218 - 1^*H232 + 1^*H233 + 1^*H243 + 1^*H244 + 1^*H247 + 1^*H251 + 1^*H253 + 1^*H255 + 1^*H1 + 1^*H2 - 1^*H3 - 1^*H5 + 1^*H8 + 1^*H9 + 1^*H11 + 1^*H14 - 2^*H15 - 1^*H16 - 1^*H18 + 1^*H19 + 1^*H23 - 1^*H25 + 1^*H26 + 1^*H28 - 1^*H30 + 1^*H36 + 1^*H37 + 1^*H39 + 3^*H40 + 1^*H46 + 1^*H47 - 1^*H49 - 1^*H61 - 1^*H63 + 1^*H64 + 1^*H67 + 1^*H70 - 1^*H73 - 1^*H75 - 1^*H80 - 1^*H83$$

$$J215 * J471 = 1^*B1 + 1^*B2 - 1^*C2 - 1^*C5 + 1^*C3 - 1^*D9 + 1^*D10 - 1^*D11 + 1^*D12 - 1^*E26 - 2^*E28 + 1^*E30 + 1^*E0 - 1^*E1 - 1^*E3 - 1^*E4 + 1^*F26 - 1^*F30 + 1^*F31 - 1^*F32 - 1^*F42 + 1^*F43 - 2^*F44 - 1^*F49 + 1^*F50 - 1^*F51 - 1^*F52 + 1^*G87 - 1^*G90 + 1^*G94 - 1^*G95 + 1^*G101 + 1^*G105 - 1^*G107 - 1^*G114 + 2^*G115 - 1^*G126 - 1^*G0 + 1^*G4 + 1^*G6 - 1^*G10 - 2^*G12 + 2^*G16 + 1^*G18 - 1^*G20 - 1^*H215 + 2^*H218 + 1^*H219 - 1^*H233 + 1^*H234 + 1^*H244 + 1^*H245 + 1^*H248 + 1^*H252 + 1^*H254 + 1^*H0 + 1^*H2 + 1^*H3 - 1^*H4 - 1^*H6 + 1^*H9 +$$

1*H10 + 1*H12 + 1*H15 - 2*H16 - 1*H17 - 1*H19 + 1*H20 + 1*H24 - 1*H26 +
1*H27 + 1*H29 - 1*H31 + 1*H37 + 1*H38 + 1*H40 + 3*H41 + 1*H47 + 1*H48 -
1*H50 - 1*H62 - 1*H64 + 1*H65 + 1*H68 + 1*H71 - 1*H74 - 1*H76 - 1*H81 -
1*H84

J216 * J472 = 1*B2 + 1*B3 - 1*C5 - 1*C3 + 1*C0 - 1*D10 + 1*D11 - 1*D12 +
1*D13 - 1>E27 - 2>E29 + 1>E31 + 1>E1 - 1>E2 - 1>E4 - 1>E5 + 1>F27 - 1>F31
+ 1>F32 - 1>F33 - 1>F43 + 1>F44 - 2>F45 - 1>F50 + 1>F51 - 1>F52 - 1>F53 +
1>G88 - 1>G91 + 1>G95 - 1>G96 + 1>G102 + 1>G106 - 1>G108 - 1>G115 +
2>G116 - 1>G127 - 1>G1 + 1>G5 + 1>G7 - 1>G11 - 2>G13 + 2>G17 + 1>G19 -
1>G21 - 1>H216 + 2>H219 + 1>H220 - 1>H234 + 1>H235 + 1>H245 + 1>H246 +
1>H249 + 1>H253 + 1>H255 + 1>H1 + 1>H3 + 1>H4 - 1>H5 - 1>H7 + 1>H10 +
1>H11 + 1>H13 + 1>H16 - 2>H17 - 1>H18 - 1>H20 + 1>H21 + 1>H25 - 1>H27 +
1>H28 + 1>H30 - 1>H32 + 1>H38 + 1>H39 + 1>H41 + 3>H42 + 1>H48 + 1>H49 -
1>H51 - 1>H63 - 1>H65 + 1>H66 + 1>H69 + 1>H72 - 1>H75 - 1>H77 - 1>H82 -
1>H85

J217 * J473 = 1*B3 + 1*B0 - 1*C3 - 1*C0 + 1*C6 - 1>D11 + 1>D12 - 1>D13 +
1>D14 - 1>E28 - 2>E30 + 1>E0 + 1>E2 - 1>E3 - 1>E5 - 1>E6 + 1>F28 - 1>F32
+ 1>F33 - 1>F34 - 1>F44 + 1>F45 - 2>F46 - 1>F51 + 1>F52 - 1>F53 - 1>F54 +
1>G89 - 1>G92 + 1>G96 - 1>G97 + 1>G103 + 1>G107 - 1>G109 - 1>G116 +
2>G117 - 1>G0 - 1>G2 + 1>G6 + 1>G8 - 1>G12 - 2>G14 + 2>G18 + 1>G20 -
1>G22 - 1>H217 + 2>H220 + 1>H221 - 1>H235 + 1>H236 + 1>H246 + 1>H247 +
1>H250 + 1>H254 + 1>H0 + 1>H2 + 1>H4 + 1>H5 - 1>H6 - 1>H8 + 1>H11 + 1>H12
+ 1>H14 + 1>H17 - 2>H18 - 1>H19 - 1>H21 + 1>H22 + 1>H26 - 1>H28 + 1>H29 +
1>H31 - 1>H33 + 1>H39 + 1>H40 + 1>H42 + 3>H43 + 1>H49 + 1>H50 - 1>H52 -
1>H64 - 1>H66 + 1>H67 + 1>H70 + 1>H73 - 1>H76 - 1>H78 - 1>H83 - 1>H86

J218 * J474 = 1*B0 + 1*B1 - 1*C0 - 1*C6 + 1*C1 - 1>D12 + 1>D13 - 1>D14 +
1>D15 - 1>E29 - 2>E31 + 1>E1 + 1>E3 - 1>E4 - 1>E6 - 1>E7 + 1>F29 - 1>F33
+ 1>F34 - 1>F35 - 1>F45 + 1>F46 - 2>F47 - 1>F52 + 1>F53 - 1>F54 - 1>F55 +
1>G90 - 1>G93 + 1>G97 - 1>G98 + 1>G104 + 1>G108 - 1>G110 - 1>G117 +
2>G118 - 1>G1 - 1>G3 + 1>G7 + 1>G9 - 1>G13 - 2>G15 + 2>G19 + 1>G21 -
1>G23 - 1>H218 + 2>H221 + 1>H222 - 1>H236 + 1>H237 + 1>H247 + 1>H248 +
1>H251 + 1>H255 + 1>H1 + 1>H3 + 1>H5 + 1>H6 - 1>H7 - 1>H9 + 1>H12 + 1>H13
+ 1>H15 + 1>H18 - 2>H19 - 1>H20 - 1>H22 + 1>H23 + 1>H27 - 1>H29 + 1>H30 +
1>H32 - 1>H34 + 1>H40 + 1>H41 + 1>H43 + 3>H44 + 1>H50 + 1>H51 - 1>H53 -
1>H65 - 1>H67 + 1>H68 + 1>H71 + 1>H74 - 1>H77 - 1>H79 - 1>H84 - 1>H87

J219 * J475 = 1*B1 + 1*B2 - 1*C6 - 1*C1 + 1*C7 - 1>D13 + 1>D14 - 1>D15 +
1>D0 - 1>E30 - 2>E0 + 1>E2 + 1>E4 - 1>E5 - 1>E7 - 1>E8 + 1>F30 - 1>F34 +
1>F35 - 1>F36 - 1>F46 + 1>F47 - 2>F48 - 1>F53 + 1>F54 - 1>F55 - 1>F56 +
1>G91 - 1>G94 + 1>G98 - 1>G99 + 1>G105 + 1>G109 - 1>G111 - 1>G118 +
2>G119 - 1>G2 - 1>G4 + 1>G8 + 1>G10 - 1>G14 - 2>G16 + 2>G20 + 1>G22 -
1>G24 - 1>H219 + 2>H222 + 1>H223 - 1>H237 + 1>H238 + 1>H248 + 1>H249 +
1>H252 + 1>H0 + 1>H2 + 1>H4 + 1>H6 + 1>H7 - 1>H8 - 1>H10 + 1>H13 + 1>H14
+ 1>H16 + 1>H19 - 2>H20 - 1>H21 - 1>H23 + 1>H24 + 1>H28 - 1>H30 + 1>H31 +
1>H33 - 1>H35 + 1>H41 + 1>H42 + 1>H44 + 3>H45 + 1>H51 + 1>H52 - 1>H54 -
1>H66 - 1>H68 + 1>H69 + 1>H72 + 1>H75 - 1>H78 - 1>H80 - 1>H85 - 1>H88

J220 * J476 = 1*B2 + 1*B3 - 1*C1 - 1*C7 + 1*C4 - 1>D14 + 1>D15 - 1>D0 +
1>D1 - 1>E31 - 2>E1 + 1>E3 + 1>E5 - 1>E6 - 1>E8 - 1>E9 + 1>F31 - 1>F35 +
1>F36 - 1>F37 - 1>F47 + 1>F48 - 2>F49 - 1>F54 + 1>F55 - 1>F56 - 1>F57 +
1>G92 - 1>G95 + 1>G99 - 1>G100 + 1>G106 + 1>G110 - 1>G112 - 1>G119 +
2>G120 - 1>G3 - 1>G5 + 1>G9 + 1>G11 - 1>G15 - 2>G17 + 2>G21 + 1>G23 -
1>G25 - 1>H220 + 2>H223 + 1>H224 - 1>H238 + 1>H239 + 1>H249 + 1>H250 +
1>H253 + 1>H1 + 1>H3 + 1>H5 + 1>H7 + 1>H8 - 1>H9 - 1>H11 + 1>H14 + 1>H15
+ 1>H17 + 1>H20 - 2>H21 - 1>H22 - 1>H24 + 1>H25 + 1>H29 - 1>H31 + 1>H32 +
1>H34 - 1>H36 + 1>H42 + 1>H43 + 1>H45 + 3>H46 + 1>H52 + 1>H53 - 1>H55 -
1>H67 - 1>H69 + 1>H70 + 1>H73 + 1>H76 - 1>H79 - 1>H81 - 1>H86 - 1>H89

$$\begin{aligned}
J221 * J477 = & 1*B3 + 1*B0 - 1*C7 - 1*C4 + 1*C2 - 1*D15 + 1*D0 - 1*D1 + \\
& 1*D2 - 1*E0 - 2*E2 + 1*E4 + 1*E6 - 1*E7 - 1*E9 - 1*E10 + 1*F32 - 1*F36 + \\
& 1*F37 - 1*F38 - 1*F48 + 1*F49 - 2*F50 - 1*F55 + 1*F56 - 1*F57 - 1*F58 + \\
& 1*G93 - 1*G96 + 1*G100 - 1*G101 + 1*G107 + 1*G111 - 1*G113 - 1*G120 + \\
& 2*G121 - 1*G4 - 1*G6 + 1*G10 + 1*G12 - 1*G16 - 2*G18 + 2*G22 + 1*G24 - \\
& 1*G26 - 1*H221 + 2*H224 + 1*H225 - 1*H239 + 1*H240 + 1*H250 + 1*H251 + \\
& 1*H254 + 1*H2 + 1*H4 + 1*H6 + 1*H8 + 1*H9 - 1*H10 - 1*H12 + 1*H15 + 1*H16 \\
& + 1*H18 + 1*H21 - 2*H22 - 1*H23 - 1*H25 + 1*H26 + 1*H30 - 1*H32 + 1*H33 + \\
& 1*H35 - 1*H37 + 1*H43 + 1*H44 + 1*H46 + 3*H47 + 1*H53 + 1*H54 - 1*H56 - \\
& 1*H68 - 1*H70 + 1*H71 + 1*H74 + 1*H77 - 1*H80 - 1*H82 - 1*H87 - 1*H90
\end{aligned}$$

$$\begin{aligned}
J222 * J478 = & 1*B0 + 1*B1 - 1*C4 - 1*C2 + 1*C5 - 1*D0 + 1*D1 - 1*D2 + \\
& 1*D3 - 1*E1 - 2*E3 + 1*E5 + 1*E7 - 1*E8 - 1*E10 - 1*E11 + 1*F33 - 1*F37 + \\
& 1*F38 - 1*F39 - 1*F49 + 1*F50 - 2*F51 - 1*F56 + 1*F57 - 1*F58 - 1*F59 + \\
& 1*G94 - 1*G97 + 1*G101 - 1*G102 + 1*G108 + 1*G112 - 1*G114 - 1*G121 + \\
& 2*G122 - 1*G5 - 1*G7 + 1*G11 + 1*G13 - 1*G17 - 2*G19 + 2*G23 + 1*G25 - \\
& 1*G27 - 1*H222 + 2*H225 + 1*H226 - 1*H240 + 1*H241 + 1*H251 + 1*H252 + \\
& 1*H255 + 1*H3 + 1*H5 + 1*H7 + 1*H9 + 1*H10 - 1*H11 - 1*H13 + 1*H16 + \\
& 1*H17 + 1*H19 + 1*H22 - 2*H23 - 1*H24 - 1*H26 + 1*H27 + 1*H31 - 1*H33 + \\
& 1*H34 + 1*H36 - 1*H38 + 1*H44 + 1*H45 + 1*H47 + 3*H48 + 1*H54 + 1*H55 - \\
& 1*H57 - 1*H69 - 1*H71 + 1*H72 + 1*H75 + 1*H78 - 1*H81 - 1*H83 - 1*H88 - \\
& 1*H91
\end{aligned}$$

$$\begin{aligned}
J223 * J479 = & 1*B1 + 1*B2 - 1*C2 - 1*C5 + 1*C3 - 1*D1 + 1*D2 - 1*D3 + \\
& 1*D4 - 1*E2 - 2*E4 + 1*E6 + 1*E8 - 1*E9 - 1*E11 - 1*E12 + 1*F34 - 1*F38 + \\
& 1*F39 - 1*F40 - 1*F50 + 1*F51 - 2*F52 - 1*F57 + 1*F58 - 1*F59 - 1*F60 + \\
& 1*G95 - 1*G98 + 1*G102 - 1*G103 + 1*G109 + 1*G113 - 1*G115 - 1*G122 + \\
& 2*G123 - 1*G6 - 1*G8 + 1*G12 + 1*G14 - 1*G18 - 2*G20 + 2*G24 + 1*G26 - \\
& 1*G28 - 1*H223 + 2*H226 + 1*H227 - 1*H241 + 1*H242 + 1*H252 + 1*H253 + \\
& 1*H0 + 1*H4 + 1*H6 + 1*H8 + 1*H10 + 1*H11 - 1*H12 - 1*H14 + 1*H17 + 1*H18 \\
& + 1*H20 + 1*H23 - 2*H24 - 1*H25 - 1*H27 + 1*H28 + 1*H32 - 1*H34 + 1*H35 + \\
& 1*H37 - 1*H39 + 1*H45 + 1*H46 + 1*H48 + 3*H49 + 1*H55 + 1*H56 - 1*H58 - \\
& 1*H70 - 1*H72 + 1*H73 + 1*H76 + 1*H79 - 1*H82 - 1*H84 - 1*H89 - 1*H92
\end{aligned}$$

$$\begin{aligned}
J224 * J480 = & 1*B2 + 1*B3 - 1*C5 - 1*C3 + 1*C0 - 1*D2 + 1*D3 - 1*D4 + \\
& 1*D5 - 1*E3 - 2*E5 + 1*E7 + 1*E9 - 1*E10 - 1*E12 - 1*E13 + 1*F35 - 1*F39 \\
& + 1*F40 - 1*F41 - 1*F51 + 1*F52 - 2*F53 - 1*F58 + 1*F59 - 1*F60 - 1*F61 + \\
& 1*G96 - 1*G99 + 1*G103 - 1*G104 + 1*G110 + 1*G114 - 1*G116 - 1*G123 + \\
& 2*G124 - 1*G7 - 1*G9 + 1*G13 + 1*G15 - 1*G19 - 2*G21 + 2*G25 + 1*G27 - \\
& 1*G29 - 1*H224 + 2*H227 + 1*H228 - 1*H242 + 1*H243 + 1*H253 + 1*H254 + \\
& 1*H1 + 1*H5 + 1*H7 + 1*H9 + 1*H11 + 1*H12 - 1*H13 - 1*H15 + 1*H18 + 1*H19 \\
& + 1*H21 + 1*H24 - 2*H25 - 1*H26 - 1*H28 + 1*H29 + 1*H33 - 1*H35 + 1*H36 + \\
& 1*H38 - 1*H40 + 1*H46 + 1*H47 + 1*H49 + 3*H50 + 1*H56 + 1*H57 - 1*H59 - \\
& 1*H71 - 1*H73 + 1*H74 + 1*H77 + 1*H80 - 1*H83 - 1*H85 - 1*H90 - 1*H93
\end{aligned}$$

$$\begin{aligned}
J225 * J481 = & 1*B3 + 1*B0 - 1*C3 - 1*C0 + 1*C6 - 1*D3 + 1*D4 - 1*D5 + \\
& 1*D6 - 1*E4 - 2*E6 + 1*E8 + 1*E10 - 1*E11 - 1*E13 - 1*E14 + 1*F36 - 1*F40 \\
& + 1*F41 - 1*F42 - 1*F52 + 1*F53 - 2*F54 - 1*F59 + 1*F60 - 1*F61 - 1*F62 + \\
& 1*G97 - 1*G100 + 1*G104 - 1*G105 + 1*G111 + 1*G115 - 1*G117 - 1*G124 + \\
& 2*G125 - 1*G8 - 1*G10 + 1*G14 + 1*G16 - 1*G20 - 2*G22 + 2*G26 + 1*G28 - \\
& 1*G30 - 1*H225 + 2*H228 + 1*H229 - 1*H243 + 1*H244 + 1*H254 + 1*H255 + \\
& 1*H2 + 1*H6 + 1*H8 + 1*H10 + 1*H12 + 1*H13 - 1*H14 - 1*H16 + 1*H19 + \\
& 1*H20 + 1*H22 + 1*H25 - 2*H26 - 1*H27 - 1*H29 + 1*H30 + 1*H34 - 1*H36 + \\
& 1*H37 + 1*H39 - 1*H41 + 1*H47 + 1*H48 + 1*H50 + 3*H51 + 1*H57 + 1*H58 - \\
& 1*H60 - 1*H72 - 1*H74 + 1*H75 + 1*H78 + 1*H81 - 1*H84 - 1*H86 - 1*H91 - \\
& 1*H94
\end{aligned}$$

$$\begin{aligned}
J226 * J482 = & 1*B0 + 1*B1 - 1*C0 - 1*C6 + 1*C1 - 1*D4 + 1*D5 - 1*D6 + \\
& 1*D7 - 1*E5 - 2*E7 + 1*E9 + 1*E11 - 1*E12 - 1*E14 - 1*E15 + 1*F37 - 1*F41
\end{aligned}$$

+ 1*F42 - 1*F43 - 1*F53 + 1*F54 - 2*F55 - 1*F60 + 1*F61 - 1*F62 - 1*F63 +
 1*G98 - 1*G101 + 1*G105 - 1*G106 + 1*G112 + 1*G116 - 1*G118 - 1*G125 +
 2*G126 - 1*G9 - 1*G11 + 1*G15 + 1*G17 - 1*G21 - 2*G23 + 2*G27 + 1*G29 -
 1*G31 - 1*H226 + 2*H229 + 1*H230 - 1*H244 + 1*H245 + 1*H255 + 1*H0 + 1*H3
 + 1*H7 + 1*H9 + 1*H11 + 1*H13 + 1*H14 - 1*H15 - 1*H17 + 1*H20 + 1*H21 +
 1*H23 + 1*H26 - 2*H27 - 1*H28 - 1*H30 + 1*H31 + 1*H35 - 1*H37 + 1*H38 +
 1*H40 - 1*H42 + 1*H48 + 1*H49 + 1*H51 + 3*H52 + 1*H58 + 1*H59 - 1*H61 -
 1*H73 - 1*H75 + 1*H76 + 1*H79 + 1*H82 - 1*H85 - 1*H87 - 1*H92 - 1*H95

J227 * J483 = 1*B1 + 1*B2 - 1*C6 - 1*C1 + 1*C7 - 1*D5 + 1*D6 - 1*D7 +
 1*D8 - 1*E6 - 2*E8 + 1*E10 + 1*E12 - 1*E13 - 1*E15 - 1*E16 + 1*F38 -
 1*F42 + 1*F43 - 1*F44 - 1*F54 + 1*F55 - 2*F56 - 1*F61 + 1*F62 - 1*F63 -
 1*F0 + 1*G99 - 1*G102 + 1*G106 - 1*G107 + 1*G113 + 1*G117 - 1*G119 -
 1*G126 + 2*G127 - 1*G10 - 1*G12 + 1*G16 + 1*G18 - 1*G22 - 2*G24 + 2*G28 +
 1*G30 - 1*G32 - 1*H227 + 2*H230 + 1*H231 - 1*H245 + 1*H246 + 1*H0 + 1*H1
 + 1*H4 + 1*H8 + 1*H10 + 1*H12 + 1*H14 + 1*H15 - 1*H16 - 1*H18 + 1*H21 +
 1*H22 + 1*H24 + 1*H27 - 2*H28 - 1*H29 - 1*H31 + 1*H32 + 1*H36 - 1*H38 +
 1*H39 + 1*H41 - 1*H43 + 1*H49 + 1*H50 + 1*H52 + 3*H53 + 1*H59 + 1*H60 -
 1*H62 - 1*H74 - 1*H76 + 1*H77 + 1*H80 + 1*H83 - 1*H86 - 1*H88 - 1*H93 -
 1*H96

J228 * J484 = 1*B2 + 1*B3 - 1*C1 - 1*C7 + 1*C4 - 1*D6 + 1*D7 - 1*D8 +
 1*D9 - 1*E7 - 2*E9 + 1*E11 + 1*E13 - 1*E14 - 1*E16 - 1*E17 + 1*F39 -
 1*F43 + 1*F44 - 1*F45 - 1*F55 + 1*F56 - 2*F57 - 1*F62 + 1*F63 - 1*F0 -
 1*F1 + 1*G100 - 1*G103 + 1*G107 - 1*G108 + 1*G114 + 1*G118 - 1*G120 -
 1*G127 + 2*G0 - 1*G11 - 1*G13 + 1*G17 + 1*G19 - 1*G23 - 2*G25 + 2*G29 +
 1*G31 - 1*G33 - 1*H228 + 2*H231 + 1*H232 - 1*H246 + 1*H247 + 1*H1 + 1*H2
 + 1*H5 + 1*H9 + 1*H11 + 1*H13 + 1*H15 + 1*H16 - 1*H17 - 1*H19 + 1*H22 +
 1*H23 + 1*H25 + 1*H28 - 2*H29 - 1*H30 - 1*H32 + 1*H33 + 1*H37 - 1*H39 +
 1*H40 + 1*H42 - 1*H44 + 1*H50 + 1*H51 + 1*H53 + 3*H54 + 1*H60 + 1*H61 -
 1*H63 - 1*H75 - 1*H77 + 1*H78 + 1*H81 + 1*H84 - 1*H87 - 1*H89 - 1*H94 -
 1*H97

J229 * J485 = 1*B3 + 1*B0 - 1*C7 - 1*C4 + 1*C2 - 1*D7 + 1*D8 - 1*D9 +
 1*D10 - 1*E8 - 2*E10 + 1*E12 + 1*E14 - 1*E15 - 1*E17 - 1*E18 + 1*F40 -
 1*F44 + 1*F45 - 1*F46 - 1*F56 + 1*F57 - 2*F58 - 1*F63 + 1*F0 - 1*F1 -
 1*F2 + 1*G101 - 1*G104 + 1*G108 - 1*G109 + 1*G115 + 1*G119 - 1*G121 -
 1*G0 + 2*G1 - 1*G12 - 1*G14 + 1*G18 + 1*G20 - 1*G24 - 2*G26 + 2*G30 +
 1*G32 - 1*G34 - 1*H229 + 2*H232 + 1*H233 - 1*H247 + 1*H248 + 1*H2 + 1*H3
 + 1*H6 + 1*H10 + 1*H12 + 1*H14 + 1*H16 + 1*H17 - 1*H18 - 1*H20 + 1*H23 +
 1*H24 + 1*H26 + 1*H29 - 2*H30 - 1*H31 - 1*H33 + 1*H34 + 1*H38 - 1*H40 +
 1*H41 + 1*H43 - 1*H45 + 1*H51 + 1*H52 + 1*H54 + 3*H55 + 1*H61 + 1*H62 -
 1*H64 - 1*H76 - 1*H78 + 1*H79 + 1*H82 + 1*H85 - 1*H88 - 1*H90 - 1*H95 -
 1*H98

J230 * J486 = 1*B0 + 1*B1 - 1*C4 - 1*C2 + 1*C5 - 1*D8 + 1*D9 - 1*D10 +
 1*D11 - 1*E9 - 2*E11 + 1*E13 + 1*E15 - 1*E16 - 1*E18 - 1*E19 + 1*F41 -
 1*F45 + 1*F46 - 1*F47 - 1*F57 + 1*F58 - 2*F59 - 1*F0 + 1*F1 - 1*F2 - 1*F3
 + 1*G102 - 1*G105 + 1*G109 - 1*G110 + 1*G116 + 1*G120 - 1*G122 - 1*G1 +
 2*G2 - 1*G13 - 1*G15 + 1*G19 + 1*G21 - 1*G25 - 2*G27 + 2*G31 + 1*G33 -
 1*G35 - 1*H230 + 2*H233 + 1*H234 - 1*H248 + 1*H249 + 1*H3 + 1*H4 + 1*H7 +
 1*H11 + 1*H13 + 1*H15 + 1*H17 + 1*H18 - 1*H19 - 1*H21 + 1*H24 + 1*H25 +
 1*H27 + 1*H30 - 2*H31 - 1*H32 - 1*H34 + 1*H35 + 1*H39 - 1*H41 + 1*H42 +
 1*H44 - 1*H46 + 1*H52 + 1*H53 + 1*H55 + 3*H56 + 1*H62 + 1*H63 - 1*H65 -
 1*H77 - 1*H79 + 1*H80 + 1*H83 + 1*H86 - 1*H89 - 1*H91 - 1*H96 - 1*H99

J231 * J487 = 1*B1 + 1*B2 - 1*C2 - 1*C5 + 1*C3 - 1*D9 + 1*D10 - 1*D11 +
 1*D12 - 1*E10 - 2*E12 + 1*E14 + 1*E16 - 1*E17 - 1*E19 - 1*E20 + 1*F42 -
 1*F46 + 1*F47 - 1*F48 - 1*F58 + 1*F59 - 2*F60 - 1*F1 + 1*F2 - 1*F3 - 1*F4
 + 1*G103 - 1*G106 + 1*G110 - 1*G111 + 1*G117 + 1*G121 - 1*G123 - 1*G2 +

$$\begin{aligned}
& 2*G3 - 1*G14 - 1*G16 + 1*G20 + 1*G22 - 1*G26 - 2*G28 + 2*G32 + 1*G34 - \\
& 1*G36 - 1*H231 + 2*H234 + 1*H235 - 1*H249 + 1*H250 + 1*H4 + 1*H5 + 1*H8 + \\
& 1*H12 + 1*H14 + 1*H16 + 1*H18 + 1*H19 - 1*H20 - 1*H22 + 1*H25 + 1*H26 + \\
& 1*H28 + 1*H31 - 2*H32 - 1*H33 - 1*H35 + 1*H36 + 1*H40 - 1*H42 + 1*H43 + \\
& 1*H45 - 1*H47 + 1*H53 + 1*H54 + 1*H56 + 3*H57 + 1*H63 + 1*H64 - 1*H66 - \\
& 1*H78 - 1*H80 + 1*H81 + 1*H84 + 1*H87 - 1*H90 - 1*H92 - 1*H97 - 1*H100
\end{aligned}$$

$$\begin{aligned}
J232 * J488 = & 1*B2 + 1*B3 - 1*C5 - 1*C3 + 1*C0 - 1*D10 + 1*D11 - 1*D12 + \\
& 1*D13 - 1*E11 - 2*E13 + 1*E15 + 1*E17 - 1*E18 - 1*E20 - 1*E21 + 1*F43 - \\
& 1*F47 + 1*F48 - 1*F49 - 1*F59 + 1*F60 - 2*F61 - 1*F2 + 1*F3 - 1*F4 - 1*F5 \\
& + 1*G104 - 1*G107 + 1*G111 - 1*G112 + 1*G118 + 1*G122 - 1*G124 - 1*G3 + \\
& 2*G4 - 1*G15 - 1*G17 + 1*G21 + 1*G23 - 1*G27 - 2*G29 + 2*G33 + 1*G35 - \\
& 1*G37 - 1*H232 + 2*H235 + 1*H236 - 1*H250 + 1*H251 + 1*H5 + 1*H6 + 1*H9 + \\
& 1*H13 + 1*H15 + 1*H17 + 1*H19 + 1*H20 - 1*H21 - 1*H23 + 1*H26 + 1*H27 + \\
& 1*H29 + 1*H32 - 2*H33 - 1*H34 - 1*H36 + 1*H37 + 1*H41 - 1*H43 + 1*H44 + \\
& 1*H46 - 1*H48 + 1*H54 + 1*H55 + 1*H57 + 3*H58 + 1*H64 + 1*H65 - 1*H67 - \\
& 1*H79 - 1*H81 + 1*H82 + 1*H85 + 1*H88 - 1*H91 - 1*H93 - 1*H98 - 1*H101
\end{aligned}$$

$$\begin{aligned}
J233 * J489 = & 1*B3 + 1*B0 - 1*C3 - 1*C0 + 1*C6 - 1*D11 + 1*D12 - 1*D13 + \\
& 1*D14 - 1*E12 - 2*E14 + 1*E16 + 1*E18 - 1*E19 - 1*E21 - 1*E22 + 1*F44 - \\
& 1*F48 + 1*F49 - 1*F50 - 1*F60 + 1*F61 - 2*F62 - 1*F3 + 1*F4 - 1*F5 - 1*F6 \\
& + 1*G105 - 1*G108 + 1*G112 - 1*G113 + 1*G119 + 1*G123 - 1*G125 - 1*G4 + \\
& 2*G5 - 1*G16 - 1*G18 + 1*G22 + 1*G24 - 1*G28 - 2*G30 + 2*G34 + 1*G36 - \\
& 1*G38 - 1*H233 + 2*H236 + 1*H237 - 1*H251 + 1*H252 + 1*H6 + 1*H7 + 1*H10 \\
& + 1*H14 + 1*H16 + 1*H18 + 1*H20 + 1*H21 - 1*H22 - 1*H24 + 1*H27 + 1*H28 + \\
& 1*H30 + 1*H33 - 2*H34 - 1*H35 - 1*H37 + 1*H38 + 1*H42 - 1*H44 + 1*H45 + \\
& 1*H47 - 1*H49 + 1*H55 + 1*H56 + 1*H58 + 3*H59 + 1*H65 + 1*H66 - 1*H68 - \\
& 1*H80 - 1*H82 + 1*H83 + 1*H86 + 1*H89 - 1*H92 - 1*H94 - 1*H99 - 1*H102
\end{aligned}$$

$$\begin{aligned}
J234 * J490 = & 1*B0 + 1*B1 - 1*C0 - 1*C6 + 1*C1 - 1*D12 + 1*D13 - 1*D14 + \\
& 1*D15 - 1*E13 - 2*E15 + 1*E17 + 1*E19 - 1*E20 - 1*E22 - 1*E23 + 1*F45 - \\
& 1*F49 + 1*F50 - 1*F51 - 1*F61 + 1*F62 - 2*F63 - 1*F4 + 1*F5 - 1*F6 - 1*F7 \\
& + 1*G106 - 1*G109 + 1*G113 - 1*G114 + 1*G120 + 1*G124 - 1*G126 - 1*G5 + \\
& 2*G6 - 1*G17 - 1*G19 + 1*G23 + 1*G25 - 1*G29 - 2*G31 + 2*G35 + 1*G37 - \\
& 1*G39 - 1*H234 + 2*H237 + 1*H238 - 1*H252 + 1*H253 + 1*H7 + 1*H8 + 1*H11 \\
& + 1*H15 + 1*H17 + 1*H19 + 1*H21 + 1*H22 - 1*H23 - 1*H25 + 1*H28 + 1*H29 + \\
& 1*H31 + 1*H34 - 2*H35 - 1*H36 - 1*H38 + 1*H39 + 1*H43 - 1*H45 + 1*H46 + \\
& 1*H48 - 1*H50 + 1*H56 + 1*H57 + 1*H59 + 3*H60 + 1*H66 + 1*H67 - 1*H69 - \\
& 1*H81 - 1*H83 + 1*H84 + 1*H87 + 1*H90 - 1*H93 - 1*H95 - 1*H100 - 1*H103
\end{aligned}$$

$$\begin{aligned}
J235 * J491 = & 1*B1 + 1*B2 - 1*C6 - 1*C1 + 1*C7 - 1*D13 + 1*D14 - 1*D15 + \\
& 1*D0 - 1*E14 - 2*E16 + 1*E18 + 1*E20 - 1*E21 - 1*E23 - 1*E24 + 1*F46 - \\
& 1*F50 + 1*F51 - 1*F52 - 1*F62 + 1*F63 - 2*F0 - 1*F5 + 1*F6 - 1*F7 - 1*F8 \\
& + 1*G107 - 1*G110 + 1*G114 - 1*G115 + 1*G121 + 1*G125 - 1*G127 - 1*G6 + \\
& 2*G7 - 1*G18 - 1*G20 + 1*G24 + 1*G26 - 1*G30 - 2*G32 + 2*G36 + 1*G38 - \\
& 1*G40 - 1*H235 + 2*H238 + 1*H239 - 1*H253 + 1*H254 + 1*H8 + 1*H9 + 1*H12 \\
& + 1*H16 + 1*H18 + 1*H20 + 1*H22 + 1*H23 - 1*H24 - 1*H26 + 1*H29 + 1*H30 + \\
& 1*H32 + 1*H35 - 2*H36 - 1*H37 - 1*H39 + 1*H40 + 1*H44 - 1*H46 + 1*H47 + \\
& 1*H49 - 1*H51 + 1*H57 + 1*H58 + 1*H60 + 3*H61 + 1*H67 + 1*H68 - 1*H70 - \\
& 1*H82 - 1*H84 + 1*H85 + 1*H88 + 1*H91 - 1*H94 - 1*H96 - 1*H101 - 1*H104
\end{aligned}$$

$$\begin{aligned}
J236 * J492 = & 1*B2 + 1*B3 - 1*C1 - 1*C7 + 1*C4 - 1*D14 + 1*D15 - 1*D0 + \\
& 1*D1 - 1*E15 - 2*E17 + 1*E19 + 1*E21 - 1*E22 - 1*E24 - 1*E25 + 1*F47 - \\
& 1*F51 + 1*F52 - 1*F53 - 1*F63 + 1*F0 - 2*F1 - 1*F6 + 1*F7 - 1*F8 - 1*F9 + \\
& 1*G108 - 1*G111 + 1*G115 - 1*G116 + 1*G122 + 1*G126 - 1*G0 - 1*G7 + 2*G8 \\
& - 1*G19 - 1*G21 + 1*G25 + 1*G27 - 1*G31 - 2*G33 + 2*G37 + 1*G39 - 1*G41 - \\
& 1*H236 + 2*H239 + 1*H240 - 1*H254 + 1*H255 + 1*H9 + 1*H10 + 1*H13 + 1*H17 \\
& + 1*H19 + 1*H21 + 1*H23 + 1*H24 - 1*H25 - 1*H27 + 1*H30 + 1*H31 + 1*H33 + \\
& 1*H36 - 2*H37 - 1*H38 - 1*H40 + 1*H41 + 1*H45 - 1*H47 + 1*H48 + 1*H50 -
\end{aligned}$$

$$1*H52 + 1*H58 + 1*H59 + 1*H61 + 3*H62 + 1*H68 + 1*H69 - 1*H71 - 1*H83 - 1*H85 + 1*H86 + 1*H89 + 1*H92 - 1*H95 - 1*H97 - 1*H102 - 1*H105$$

$$J237 * J493 = 1*B3 + 1*B0 - 1*C7 - 1*C4 + 1*C2 - 1*D15 + 1*D0 - 1*D1 + 1*D2 - 1*E16 - 2*E18 + 1*E20 + 1*E22 - 1*E23 - 1*E25 - 1*E26 + 1*F48 - 1*F52 + 1*F53 - 1*F54 - 1*F0 + 1*F1 - 2*F2 - 1*F7 + 1*F8 - 1*F9 - 1*F10 + 1*G109 - 1*G112 + 1*G116 - 1*G117 + 1*G123 + 1*G127 - 1*G1 - 1*G8 + 2*G9 - 1*G20 - 1*G22 + 1*G26 + 1*G28 - 1*G32 - 2*G34 + 2*G38 + 1*G40 - 1*G42 - 1*H237 + 2*H240 + 1*H241 - 1*H255 + 1*H0 + 1*H10 + 1*H11 + 1*H14 + 1*H18 + 1*H20 + 1*H22 + 1*H24 + 1*H25 - 1*H26 - 1*H28 + 1*H31 + 1*H32 + 1*H34 + 1*H37 - 2*H38 - 1*H39 - 1*H41 + 1*H42 + 1*H46 - 1*H48 + 1*H49 + 1*H51 - 1*H53 + 1*H59 + 1*H60 + 1*H62 + 3*H63 + 1*H69 + 1*H70 - 1*H72 - 1*H84 - 1*H86 + 1*H87 + 1*H90 + 1*H93 - 1*H96 - 1*H98 - 1*H103 - 1*H106$$

$$J238 * J494 = 1*B0 + 1*B1 - 1*C4 - 1*C2 + 1*C5 - 1*D0 + 1*D1 - 1*D2 + 1*D3 - 1*E17 - 2*E19 + 1*E21 + 1*E23 - 1*E24 - 1*E26 - 1*E27 + 1*F49 - 1*F53 + 1*F54 - 1*F55 - 1*F1 + 1*F2 - 2*F3 - 1*F8 + 1*F9 - 1*F10 - 1*F11 + 1*G110 - 1*G113 + 1*G117 - 1*G118 + 1*G124 + 1*G0 - 1*G2 - 1*G9 + 2*G10 - 1*G21 - 1*G23 + 1*G27 + 1*G29 - 1*G33 - 2*G35 + 2*G39 + 1*G41 - 1*G43 - 1*H238 + 2*H241 + 1*H242 - 1*H0 + 1*H1 + 1*H11 + 1*H12 + 1*H15 + 1*H19 + 1*H21 + 1*H23 + 1*H25 + 1*H26 - 1*H27 - 1*H29 + 1*H32 + 1*H33 + 1*H35 + 1*H38 - 2*H39 - 1*H40 - 1*H42 + 1*H43 + 1*H47 - 1*H49 + 1*H50 + 1*H52 - 1*H54 + 1*H60 + 1*H61 + 1*H63 + 3*H64 + 1*H70 + 1*H71 - 1*H73 - 1*H85 - 1*H87 + 1*H88 + 1*H91 + 1*H94 - 1*H97 - 1*H99 - 1*H104 - 1*H107$$

$$J239 * J495 = 1*B1 + 1*B2 - 1*C2 - 1*C5 + 1*C3 - 1*D1 + 1*D2 - 1*D3 + 1*D4 - 1*E18 - 2*E20 + 1*E22 + 1*E24 - 1*E25 - 1*E27 - 1*E28 + 1*F50 - 1*F54 + 1*F55 - 1*F56 - 1*F2 + 1*F3 - 2*F4 - 1*F9 + 1*F10 - 1*F11 - 1*F12 + 1*G111 - 1*G114 + 1*G118 - 1*G119 + 1*G125 + 1*G1 - 1*G3 - 1*G10 + 2*G11 - 1*G22 - 1*G24 + 1*G28 + 1*G30 - 1*G34 - 2*G36 + 2*G40 + 1*G42 - 1*G44 - 1*H239 + 2*H242 + 1*H243 - 1*H1 + 1*H2 + 1*H12 + 1*H13 + 1*H16 + 1*H20 + 1*H22 + 1*H24 + 1*H26 + 1*H27 - 1*H28 - 1*H30 + 1*H33 + 1*H34 + 1*H36 + 1*H39 - 2*H40 - 1*H41 - 1*H43 + 1*H44 + 1*H48 - 1*H50 + 1*H51 + 1*H53 - 1*H55 + 1*H61 + 1*H62 + 1*H64 + 3*H65 + 1*H71 + 1*H72 - 1*H74 - 1*H86 - 1*H88 + 1*H89 + 1*H92 + 1*H95 - 1*H98 - 1*H100 - 1*H105 - 1*H108$$

$$J240 * J496 = 1*B2 + 1*B3 - 1*C5 - 1*C3 + 1*C0 - 1*D2 + 1*D3 - 1*D4 + 1*D5 - 1*E19 - 2*E21 + 1*E23 + 1*E25 - 1*E26 - 1*E28 - 1*E29 + 1*F51 - 1*F55 + 1*F56 - 1*F57 - 1*F3 + 1*F4 - 2*F5 - 1*F10 + 1*F11 - 1*F12 - 1*F13 + 1*G112 - 1*G115 + 1*G119 - 1*G120 + 1*G126 + 1*G2 - 1*G4 - 1*G11 + 2*G12 - 1*G23 - 1*G25 + 1*G29 + 1*G31 - 1*G35 - 2*G37 + 2*G41 + 1*G43 - 1*G45 - 1*H240 + 2*H243 + 1*H244 - 1*H2 + 1*H3 + 1*H13 + 1*H14 + 1*H17 + 1*H21 + 1*H23 + 1*H25 + 1*H27 + 1*H28 - 1*H29 - 1*H31 + 1*H34 + 1*H35 + 1*H37 + 1*H40 - 2*H41 - 1*H42 - 1*H44 + 1*H45 + 1*H49 - 1*H51 + 1*H52 + 1*H54 - 1*H56 + 1*H62 + 1*H63 + 1*H65 + 3*H66 + 1*H72 + 1*H73 - 1*H75 - 1*H87 - 1*H89 + 1*H90 + 1*H93 + 1*H96 - 1*H99 - 1*H101 - 1*H106 - 1*H109$$

$$J241 * J497 = 1*B3 + 1*B0 - 1*C3 - 1*C0 + 1*C6 - 1*D3 + 1*D4 - 1*D5 + 1*D6 - 1*E20 - 2*E22 + 1*E24 + 1*E26 - 1*E27 - 1*E29 - 1*E30 + 1*F52 - 1*F56 + 1*F57 - 1*F58 - 1*F4 + 1*F5 - 2*F6 - 1*F11 + 1*F12 - 1*F13 - 1*F14 + 1*G113 - 1*G116 + 1*G120 - 1*G121 + 1*G127 + 1*G3 - 1*G5 - 1*G12 + 2*G13 - 1*G24 - 1*G26 + 1*G30 + 1*G32 - 1*G36 - 2*G38 + 2*G42 + 1*G44 - 1*G46 - 1*H241 + 2*H244 + 1*H245 - 1*H3 + 1*H4 + 1*H14 + 1*H15 + 1*H18 + 1*H22 + 1*H24 + 1*H26 + 1*H28 + 1*H29 - 1*H30 - 1*H32 + 1*H35 + 1*H36 + 1*H38 + 1*H41 - 2*H42 - 1*H43 - 1*H45 + 1*H46 + 1*H50 - 1*H52 + 1*H53 + 1*H55 - 1*H57 + 1*H63 + 1*H64 + 1*H66 + 3*H67 + 1*H73 + 1*H74 - 1*H76 - 1*H88 - 1*H90 + 1*H91 + 1*H94 + 1*H97 - 1*H100 - 1*H102 - 1*H107 - 1*H110$$

$$J242 * J498 = 1*B0 + 1*B1 - 1*C0 - 1*C6 + 1*C1 - 1*D4 + 1*D5 - 1*D6 + 1*D7 - 1*E21 - 2*E23 + 1*E25 + 1*E27 - 1*E28 - 1*E30 - 1*E31 + 1*F53 - 1*F57 + 1*F58 - 1*F59 - 1*F5 + 1*F6 - 2*F7 - 1*F12 + 1*F13 - 1*F14 -$$

1*F15 + 1*G114 - 1*G117 + 1*G121 - 1*G122 + 1*G0 + 1*G4 - 1*G6 - 1*G13 +
2*G14 - 1*G25 - 1*G27 + 1*G31 + 1*G33 - 1*G37 - 2*G39 + 2*G43 + 1*G45 -
1*G47 - 1*H242 + 2*H245 + 1*H246 - 1*H4 + 1*H5 + 1*H15 + 1*H16 + 1*H19 +
1*H23 + 1*H25 + 1*H27 + 1*H29 + 1*H30 - 1*H31 - 1*H33 + 1*H36 + 1*H37 +
1*H39 + 1*H42 - 2*H43 - 1*H44 - 1*H46 + 1*H47 + 1*H51 - 1*H53 + 1*H54 +
1*H56 - 1*H58 + 1*H64 + 1*H65 + 1*H67 + 3*H68 + 1*H74 + 1*H75 - 1*H77 -
1*H89 - 1*H91 + 1*H92 + 1*H95 + 1*H98 - 1*H101 - 1*H103 - 1*H108 - 1*H111

J243 * J499 = 1*B1 + 1*B2 - 1*C6 - 1*C1 + 1*C7 - 1*D5 + 1*D6 - 1*D7 +
1*D8 - 1*E22 - 2*E24 + 1*E26 + 1*E28 - 1*E29 - 1*E31 - 1*E0 + 1*F54 -
1*F58 + 1*F59 - 1*F60 - 1*F6 + 1*F7 - 2*F8 - 1*F13 + 1*F14 - 1*F15 -
1*F16 + 1*G115 - 1*G118 + 1*G122 - 1*G123 + 1*G1 + 1*G5 - 1*G7 - 1*G14 +
2*G15 - 1*G26 - 1*G28 + 1*G32 + 1*G34 - 1*G38 - 2*G40 + 2*G44 + 1*G46 -
1*G48 - 1*H243 + 2*H246 + 1*H247 - 1*H5 + 1*H6 + 1*H16 + 1*H17 + 1*H20 +
1*H24 + 1*H26 + 1*H28 + 1*H30 + 1*H31 - 1*H32 - 1*H34 + 1*H37 + 1*H38 +
1*H40 + 1*H43 - 2*H44 - 1*H45 - 1*H47 + 1*H48 + 1*H52 - 1*H54 + 1*H55 +
1*H57 - 1*H59 + 1*H65 + 1*H66 + 1*H68 + 3*H69 + 1*H75 + 1*H76 - 1*H78 -
1*H90 - 1*H92 + 1*H93 + 1*H96 + 1*H99 - 1*H102 - 1*H104 - 1*H109 - 1*H112

J244 * J500 = 1*B2 + 1*B3 - 1*C1 - 1*C7 + 1*C4 - 1*D6 + 1*D7 - 1*D8 +
1*D9 - 1*E23 - 2*E25 + 1*E27 + 1*E29 - 1*E30 - 1*E0 - 1*E1 + 1*F55 -
1*F59 + 1*F60 - 1*F61 - 1*F7 + 1*F8 - 2*F9 - 1*F14 + 1*F15 - 1*F16 -
1*F17 + 1*G116 - 1*G119 + 1*G123 - 1*G124 + 1*G2 + 1*G6 - 1*G8 - 1*G15 +
2*G16 - 1*G27 - 1*G29 + 1*G33 + 1*G35 - 1*G39 - 2*G41 + 2*G45 + 1*G47 -
1*G49 - 1*H244 + 2*H247 + 1*H248 - 1*H6 + 1*H7 + 1*H17 + 1*H18 + 1*H21 +
1*H25 + 1*H27 + 1*H29 + 1*H31 + 1*H32 - 1*H33 - 1*H35 + 1*H38 + 1*H39 +
1*H41 + 1*H44 - 2*H45 - 1*H46 - 1*H48 + 1*H49 + 1*H53 - 1*H55 + 1*H56 +
1*H58 - 1*H60 + 1*H66 + 1*H67 + 1*H69 + 3*H70 + 1*H76 + 1*H77 - 1*H79 -
1*H91 - 1*H93 + 1*H94 + 1*H97 + 1*H100 - 1*H103 - 1*H105 - 1*H110 -
1*H113

J245 * J501 = 1*B3 + 1*B0 - 1*C7 - 1*C4 + 1*C2 - 1*D7 + 1*D8 - 1*D9 +
1*D10 - 1*E24 - 2*E26 + 1*E28 + 1*E30 - 1*E31 - 1*E1 - 1*E2 + 1*F56 -
1*F60 + 1*F61 - 1*F62 - 1*F8 + 1*F9 - 2*F10 - 1*F15 + 1*F16 - 1*F17 -
1*F18 + 1*G117 - 1*G120 + 1*G124 - 1*G125 + 1*G3 + 1*G7 - 1*G9 - 1*G16 +
2*G17 - 1*G28 - 1*G30 + 1*G34 + 1*G36 - 1*G40 - 2*G42 + 2*G46 + 1*G48 -
1*G50 - 1*H245 + 2*H248 + 1*H249 - 1*H7 + 1*H8 + 1*H18 + 1*H19 + 1*H22 +
1*H26 + 1*H28 + 1*H30 + 1*H32 + 1*H33 - 1*H34 - 1*H36 + 1*H39 + 1*H40 +
1*H42 + 1*H45 - 2*H46 - 1*H47 - 1*H49 + 1*H50 + 1*H54 - 1*H56 + 1*H57 +
1*H59 - 1*H61 + 1*H67 + 1*H68 + 1*H70 + 3*H71 + 1*H77 + 1*H78 - 1*H80 -
1*H92 - 1*H94 + 1*H95 + 1*H98 + 1*H101 - 1*H104 - 1*H106 - 1*H111 -
1*H114

J246 * J502 = 1*B0 + 1*B1 - 1*C4 - 1*C2 + 1*C5 - 1*D8 + 1*D9 - 1*D10 +
1*D11 - 1*E25 - 2*E27 + 1*E29 + 1*E31 - 1*E0 - 1*E2 - 1*E3 + 1*F57 -
1*F61 + 1*F62 - 1*F63 - 1*F9 + 1*F10 - 2*F11 - 1*F16 + 1*F17 - 1*F18 -
1*F19 + 1*G118 - 1*G121 + 1*G125 - 1*G126 + 1*G4 + 1*G8 - 1*G10 - 1*G17 +
2*G18 - 1*G29 - 1*G31 + 1*G35 + 1*G37 - 1*G41 - 2*G43 + 2*G47 + 1*G49 -
1*G51 - 1*H246 + 2*H249 + 1*H250 - 1*H8 + 1*H9 + 1*H19 + 1*H20 + 1*H23 +
1*H27 + 1*H29 + 1*H31 + 1*H33 + 1*H34 - 1*H35 - 1*H37 + 1*H40 + 1*H41 +
1*H43 + 1*H46 - 2*H47 - 1*H48 - 1*H50 + 1*H51 + 1*H55 - 1*H57 + 1*H58 +
1*H60 - 1*H62 + 1*H68 + 1*H69 + 1*H71 + 3*H72 + 1*H78 + 1*H79 - 1*H81 -
1*H93 - 1*H95 + 1*H96 + 1*H99 + 1*H102 - 1*H105 - 1*H107 - 1*H112 -
1*H115

J247 * J503 = 1*B1 + 1*B2 - 1*C2 - 1*C5 + 1*C3 - 1*D9 + 1*D10 - 1*D11 +
1*D12 - 1*E26 - 2*E28 + 1*E30 + 1*E0 - 1*E1 - 1*E3 - 1*E4 + 1*F58 - 1*F62
+ 1*F63 - 1*F0 - 1*F10 + 1*F11 - 2*F12 - 1*F17 + 1*F18 - 1*F19 - 1*F20 +
1*G119 - 1*G122 + 1*G126 - 1*G127 + 1*G5 + 1*G9 - 1*G11 - 1*G18 + 2*G19 -
1*G30 - 1*G32 + 1*G36 + 1*G38 - 1*G42 - 2*G44 + 2*G48 + 1*G50 - 1*G52 -

1*H247 + 2*H250 + 1*H251 - 1*H9 + 1*H10 + 1*H20 + 1*H21 + 1*H24 + 1*H28 +
1*H30 + 1*H32 + 1*H34 + 1*H35 - 1*H36 - 1*H38 + 1*H41 + 1*H42 + 1*H44 +
1*H47 - 2*H48 - 1*H49 - 1*H51 + 1*H52 + 1*H56 - 1*H58 + 1*H59 + 1*H61 -
1*H63 + 1*H69 + 1*H70 + 1*H72 + 3*H73 + 1*H79 + 1*H80 - 1*H82 - 1*H94 -
1*H96 + 1*H97 + 1*H100 + 1*H103 - 1*H106 - 1*H108 - 1*H113 - 1*H116

J248 * J504 = 1*B2 + 1*B3 - 1*C5 - 1*C3 + 1*C0 - 1*D10 + 1*D11 - 1*D12 +
1*D13 - 1*E27 - 2*E29 + 1*E31 + 1*E1 - 1*E2 - 1*E4 - 1*E5 + 1*F59 - 1*F63
+ 1*F0 - 1*F1 - 1*F11 + 1*F12 - 2*F13 - 1*F18 + 1*F19 - 1*F20 - 1*F21 +
1*G120 - 1*G123 + 1*G127 - 1*G0 + 1*G6 + 1*G10 - 1*G12 - 1*G19 + 2*G20 -
1*G31 - 1*G33 + 1*G37 + 1*G39 - 1*G43 - 2*G45 + 2*G49 + 1*G51 - 1*G53 -
1*H248 + 2*H251 + 1*H252 - 1*H10 + 1*H11 + 1*H21 + 1*H22 + 1*H25 + 1*H29
+ 1*H31 + 1*H33 + 1*H35 + 1*H36 - 1*H37 - 1*H39 + 1*H42 + 1*H43 + 1*H45 +
1*H48 - 2*H49 - 1*H50 - 1*H52 + 1*H53 + 1*H57 - 1*H59 + 1*H60 + 1*H62 -
1*H64 + 1*H70 + 1*H71 + 1*H73 + 3*H74 + 1*H80 + 1*H81 - 1*H83 - 1*H95 -
1*H97 + 1*H98 + 1*H101 + 1*H104 - 1*H107 - 1*H109 - 1*H114 - 1*H117

J249 * J505 = 1*B3 + 1*B0 - 1*C3 - 1*C0 + 1*C6 - 1*D11 + 1*D12 - 1*D13 +
1*D14 - 1*E28 - 2*E30 + 1*E0 + 1*E2 - 1*E3 - 1*E5 - 1*E6 + 1*F60 - 1*F0 +
1*F1 - 1*F2 - 1*F12 + 1*F13 - 2*F14 - 1*F19 + 1*F20 - 1*F21 - 1*F22 +
1*G121 - 1*G124 + 1*G0 - 1*G1 + 1*G7 + 1*G11 - 1*G13 - 1*G20 + 2*G21 -
1*G32 - 1*G34 + 1*G38 + 1*G40 - 1*G44 - 2*G46 + 2*G50 + 1*G52 - 1*G54 -
1*H249 + 2*H252 + 1*H253 - 1*H11 + 1*H12 + 1*H22 + 1*H23 + 1*H26 + 1*H30
+ 1*H32 + 1*H34 + 1*H36 + 1*H37 - 1*H38 - 1*H40 + 1*H43 + 1*H44 + 1*H46 +
1*H49 - 2*H50 - 1*H51 - 1*H53 + 1*H54 + 1*H58 - 1*H60 + 1*H61 + 1*H63 -
1*H65 + 1*H71 + 1*H72 + 1*H74 + 3*H75 + 1*H81 + 1*H82 - 1*H84 - 1*H96 -
1*H98 + 1*H99 + 1*H102 + 1*H105 - 1*H108 - 1*H110 - 1*H115 - 1*H118

J250 * J506 = 1*B0 + 1*B1 - 1*C0 - 1*C6 + 1*C1 - 1*D12 + 1*D13 - 1*D14 +
1*D15 - 1*E29 - 2*E31 + 1*E1 + 1*E3 - 1*E4 - 1*E6 - 1*E7 + 1*F61 - 1*F1 +
1*F2 - 1*F3 - 1*F13 + 1*F14 - 2*F15 - 1*F20 + 1*F21 - 1*F22 - 1*F23 +
1*G122 - 1*G125 + 1*G1 - 1*G2 + 1*G8 + 1*G12 - 1*G14 - 1*G21 + 2*G22 -
1*G33 - 1*G35 + 1*G39 + 1*G41 - 1*G45 - 2*G47 + 2*G51 + 1*G53 - 1*G55 -
1*H250 + 2*H253 + 1*H254 - 1*H12 + 1*H13 + 1*H23 + 1*H24 + 1*H27 + 1*H31
+ 1*H33 + 1*H35 + 1*H37 + 1*H38 - 1*H39 - 1*H41 + 1*H44 + 1*H45 + 1*H47 +
1*H50 - 2*H51 - 1*H52 - 1*H54 + 1*H55 + 1*H59 - 1*H61 + 1*H62 + 1*H64 -
1*H66 + 1*H72 + 1*H73 + 1*H75 + 3*H76 + 1*H82 + 1*H83 - 1*H85 - 1*H97 -
1*H99 + 1*H100 + 1*H103 + 1*H106 - 1*H109 - 1*H111 - 1*H116 - 1*H119

J251 * J507 = 1*B1 + 1*B2 - 1*C6 - 1*C1 + 1*C7 - 1*D13 + 1*D14 - 1*D15 +
1*D0 - 1*E30 - 2*E0 + 1*E2 + 1*E4 - 1*E5 - 1*E7 - 1*E8 + 1*F62 - 1*F2 +
1*F3 - 1*F4 - 1*F14 + 1*F15 - 2*F16 - 1*F21 + 1*F22 - 1*F23 - 1*F24 +
1*G123 - 1*G126 + 1*G2 - 1*G3 + 1*G9 + 1*G13 - 1*G15 - 1*G22 + 2*G23 -
1*G34 - 1*G36 + 1*G40 + 1*G42 - 1*G46 - 2*G48 + 2*G52 + 1*G54 - 1*G56 -
1*H251 + 2*H254 + 1*H255 - 1*H13 + 1*H14 + 1*H24 + 1*H25 + 1*H28 + 1*H32
+ 1*H34 + 1*H36 + 1*H38 + 1*H39 - 1*H40 - 1*H42 + 1*H45 + 1*H46 + 1*H48 +
1*H51 - 2*H52 - 1*H53 - 1*H55 + 1*H56 + 1*H60 - 1*H62 + 1*H63 + 1*H65 -
1*H67 + 1*H73 + 1*H74 + 1*H76 + 3*H77 + 1*H83 + 1*H84 - 1*H86 - 1*H98 -
1*H100 + 1*H101 + 1*H104 + 1*H107 - 1*H110 - 1*H112 - 1*H117 - 1*H120

J252 * J508 = 1*B2 + 1*B3 - 1*C1 - 1*C7 + 1*C4 - 1*D14 + 1*D15 - 1*D0 +
1*D1 - 1*E31 - 2*E1 + 1*E3 + 1*E5 - 1*E6 - 1*E8 - 1*E9 + 1*F63 - 1*F3 +
1*F4 - 1*F5 - 1*F15 + 1*F16 - 2*F17 - 1*F22 + 1*F23 - 1*F24 - 1*F25 +
1*G124 - 1*G127 + 1*G3 - 1*G4 + 1*G10 + 1*G14 - 1*G16 - 1*G23 + 2*G24 -
1*G35 - 1*G37 + 1*G41 + 1*G43 - 1*G47 - 2*G49 + 2*G53 + 1*G55 - 1*G57 -
1*H252 + 2*H255 + 1*H0 - 1*H14 + 1*H15 + 1*H25 + 1*H26 + 1*H29 + 1*H33 +
1*H35 + 1*H37 + 1*H39 + 1*H40 - 1*H41 - 1*H43 + 1*H46 + 1*H47 + 1*H49 +
1*H52 - 2*H53 - 1*H54 - 1*H56 + 1*H57 + 1*H61 - 1*H63 + 1*H64 + 1*H66 -
1*H68 + 1*H74 + 1*H75 + 1*H77 + 3*H78 + 1*H84 + 1*H85 - 1*H87 - 1*H99 -
1*H101 + 1*H102 + 1*H105 + 1*H108 - 1*H111 - 1*H113 - 1*H118 - 1*H121

$$\begin{aligned}
J253 * J509 = & 1*B3 + 1*B0 - 1*C7 - 1*C4 + 1*C2 - 1*D15 + 1*D0 - 1*D1 + \\
& 1*D2 - 1*E0 - 2*E2 + 1*E4 + 1*E6 - 1*E7 - 1*E9 - 1*E10 + 1*F0 - 1*F4 + \\
& 1*F5 - 1*F6 - 1*F16 + 1*F17 - 2*F18 - 1*F23 + 1*F24 - 1*F25 - 1*F26 + \\
& 1*G125 - 1*G0 + 1*G4 - 1*G5 + 1*G11 + 1*G15 - 1*G17 - 1*G24 + 2*G25 - \\
& 1*G36 - 1*G38 + 1*G42 + 1*G44 - 1*G48 - 2*G50 + 2*G54 + 1*G56 - 1*G58 - \\
& 1*H253 + 2*H0 + 1*H1 - 1*H15 + 1*H16 + 1*H26 + 1*H27 + 1*H30 + 1*H34 + \\
& 1*H36 + 1*H38 + 1*H40 + 1*H41 - 1*H42 - 1*H44 + 1*H47 + 1*H48 + 1*H50 + \\
& 1*H53 - 2*H54 - 1*H55 - 1*H57 + 1*H58 + 1*H62 - 1*H64 + 1*H65 + 1*H67 - \\
& 1*H69 + 1*H75 + 1*H76 + 1*H78 + 3*H79 + 1*H85 + 1*H86 - 1*H88 - 1*H100 - \\
& 1*H102 + 1*H103 + 1*H106 + 1*H109 - 1*H112 - 1*H114 - 1*H119 - 1*H122
\end{aligned}$$

$$\begin{aligned}
J254 * J510 = & 1*B0 + 1*B1 - 1*C4 - 1*C2 + 1*C5 - 1*D0 + 1*D1 - 1*D2 + \\
& 1*D3 - 1*E1 - 2*E3 + 1*E5 + 1*E7 - 1*E8 - 1*E10 - 1*E11 + 1*F1 - 1*F5 + \\
& 1*F6 - 1*F7 - 1*F17 + 1*F18 - 2*F19 - 1*F24 + 1*F25 - 1*F26 - 1*F27 + \\
& 1*G126 - 1*G1 + 1*G5 - 1*G6 + 1*G12 + 1*G16 - 1*G18 - 1*G25 + 2*G26 - \\
& 1*G37 - 1*G39 + 1*G43 + 1*G45 - 1*G49 - 2*G51 + 2*G55 + 1*G57 - 1*G59 - \\
& 1*H254 + 2*H1 + 1*H2 - 1*H16 + 1*H17 + 1*H27 + 1*H28 + 1*H31 + 1*H35 + \\
& 1*H37 + 1*H39 + 1*H41 + 1*H42 - 1*H43 - 1*H45 + 1*H48 + 1*H49 + 1*H51 + \\
& 1*H54 - 2*H55 - 1*H56 - 1*H58 + 1*H59 + 1*H63 - 1*H65 + 1*H66 + 1*H68 - \\
& 1*H70 + 1*H76 + 1*H77 + 1*H79 + 3*H80 + 1*H86 + 1*H87 - 1*H89 - 1*H101 - \\
& 1*H103 + 1*H104 + 1*H107 + 1*H110 - 1*H113 - 1*H115 - 1*H120 - 1*H123
\end{aligned}$$

$$\begin{aligned}
J255 * J511 = & 1*B1 + 1*B2 - 1*C2 - 1*C5 + 1*C3 - 1*D1 + 1*D2 - 1*D3 + \\
& 1*D4 - 1*E2 - 2*E4 + 1*E6 + 1*E8 - 1*E9 - 1*E11 - 1*E12 + 1*F2 - 1*F6 + \\
& 1*F7 - 1*F8 - 1*F18 + 1*F19 - 2*F20 - 1*F25 + 1*F26 - 1*F27 - 1*F28 + \\
& 1*G127 - 1*G2 + 1*G6 - 1*G7 + 1*G13 + 1*G17 - 1*G19 - 1*G26 + 2*G27 - \\
& 1*G38 - 1*G40 + 1*G44 + 1*G46 - 1*G50 - 2*G52 + 2*G56 + 1*G58 - 1*G60 - \\
& 1*H255 + 2*H2 + 1*H3 - 1*H17 + 1*H18 + 1*H28 + 1*H29 + 1*H32 + 1*H36 + \\
& 1*H38 + 1*H40 + 1*H42 + 1*H43 - 1*H44 - 1*H46 + 1*H49 + 1*H50 + 1*H52 + \\
& 1*H55 - 2*H56 - 1*H57 - 1*H59 + 1*H60 + 1*H64 - 1*H66 + 1*H67 + 1*H69 - \\
& 1*H71 + 1*H77 + 1*H78 + 1*H80 + 3*H81 + 1*H87 + 1*H88 - 1*H90 - 1*H102 - \\
& 1*H104 + 1*H105 + 1*H108 + 1*H111 - 1*H114 - 1*H116 - 1*H121 - 1*H124
\end{aligned}$$

K mod 1024

512 Gleichungen, davon 481 benutzt

$$\begin{aligned}
K0 * K512 = & 2*F2 + 1*F16 - 2*G2 + 1*G5 - 1*G16 + 1*G46 - 1*H5 + 1*H12 + \\
& 1*H18 + 1*H21 + 1*H24 - 2*H66 - 1*H80 + 1*H92 + 1*H122 - 1*J12 - 1*J18 - \\
& 1*J21 - 1*J24 + 1*J40 - 1*J46 + 1*J48 + 2*J67 + 1*J80 + 2*J85 + 2*J87 + \\
& 1*J91 - 1*J92 + 1*J105 + 1*J108 + 1*J113 - 1*J122 - 1*J133 + 2*J134 + \\
& 1*J174 - 2*J194 - 1*J208 + 1*J210 + 1*J225 + 1*J232
\end{aligned}$$

$$\begin{aligned}
K1 * K513 = & 2*F3 + 1*F17 - 2*G3 + 1*G6 - 1*G17 + 1*G47 - 1*H6 + 1*H13 + \\
& 1*H19 + 1*H22 + 1*H25 - 2*H67 - 1*H81 + 1*H93 + 1*H123 - 1*J13 - 1*J19 - \\
& 1*J22 - 1*J25 + 1*J41 - 1*J47 + 1*J49 + 2*J68 + 1*J81 + 2*J86 + 2*J88 + \\
& 1*J92 - 1*J93 + 1*J106 + 1*J109 + 1*J114 - 1*J123 - 1*J134 + 2*J135 + \\
& 1*J175 - 2*J195 - 1*J209 + 1*J211 + 1*J226 + 1*J233
\end{aligned}$$

$$\begin{aligned}
K2 * K514 = & 2*F4 + 1*F18 - 2*G4 + 1*G7 - 1*G18 + 1*G48 - 1*H7 + 1*H14 + \\
& 1*H20 + 1*H23 + 1*H26 - 2*H68 - 1*H82 + 1*H94 + 1*H124 - 1*J14 - 1*J20 - \\
& 1*J23 - 1*J26 + 1*J42 - 1*J48 + 1*J50 + 2*J69 + 1*J82 + 2*J87 + 2*J89 + \\
& 1*J93 - 1*J94 + 1*J107 + 1*J110 + 1*J115 - 1*J124 - 1*J135 + 2*J136 + \\
& 1*J176 - 2*J196 - 1*J210 + 1*J212 + 1*J227 + 1*J234
\end{aligned}$$

$$\begin{aligned}
K3 * K515 = & 2*F5 + 1*F19 - 2*G5 + 1*G8 - 1*G19 + 1*G49 - 1*H8 + 1*H15 + \\
& 1*H21 + 1*H24 + 1*H27 - 2*H69 - 1*H83 + 1*H95 + 1*H125 - 1*J15 - 1*J21 - \\
& 1*J24 - 1*J27 + 1*J43 - 1*J49 + 1*J51 + 2*J70 + 1*J83 + 2*J88 + 2*J90 +
\end{aligned}$$

$$1*J94 - 1*J95 + 1*J108 + 1*J111 + 1*J116 - 1*J125 - 1*J136 + 2*J137 + 1*J177 - 2*J197 - 1*J211 + 1*J213 + 1*J228 + 1*J235$$

$$K4 * K516 = 2*F6 + 1*F20 - 2*G6 + 1*G9 - 1*G20 + 1*G50 - 1*H9 + 1*H16 + 1*H22 + 1*H25 + 1*H28 - 2*H70 - 1*H84 + 1*H96 + 1*H126 - 1*J16 - 1*J22 - 1*J25 - 1*J28 + 1*J44 - 1*J50 + 1*J52 + 2*J71 + 1*J84 + 2*J89 + 2*J91 + 1*J95 - 1*J96 + 1*J109 + 1*J112 + 1*J117 - 1*J126 - 1*J137 + 2*J138 + 1*J178 - 2*J198 - 1*J212 + 1*J214 + 1*J229 + 1*J236$$

$$K5 * K517 = 2*F7 + 1*F21 - 2*G7 + 1*G10 - 1*G21 + 1*G51 - 1*H10 + 1*H17 + 1*H23 + 1*H26 + 1*H29 - 2*H71 - 1*H85 + 1*H97 + 1*H127 - 1*J17 - 1*J23 - 1*J26 - 1*J29 + 1*J45 - 1*J51 + 1*J53 + 2*J72 + 1*J85 + 2*J90 + 2*J92 + 1*J96 - 1*J97 + 1*J110 + 1*J113 + 1*J118 - 1*J127 - 1*J138 + 2*J139 + 1*J179 - 2*J199 - 1*J213 + 1*J215 + 1*J230 + 1*J237$$

$$K6 * K518 = 2*F8 + 1*F22 - 2*G8 + 1*G11 - 1*G22 + 1*G52 - 1*H11 + 1*H18 + 1*H24 + 1*H27 + 1*H30 - 2*H72 - 1*H86 + 1*H98 + 1*H128 - 1*J18 - 1*J24 - 1*J27 - 1*J30 + 1*J46 - 1*J52 + 1*J54 + 2*J73 + 1*J86 + 2*J91 + 2*J93 + 1*J97 - 1*J98 + 1*J111 + 1*J114 + 1*J119 - 1*J128 - 1*J139 + 2*J140 + 1*J180 - 2*J200 - 1*J214 + 1*J216 + 1*J231 + 1*J238$$

$$K7 * K519 = 2*F9 + 1*F23 - 2*G9 + 1*G12 - 1*G23 + 1*G53 - 1*H12 + 1*H19 + 1*H25 + 1*H28 + 1*H31 - 2*H73 - 1*H87 + 1*H99 + 1*H129 - 1*J19 - 1*J25 - 1*J28 - 1*J31 + 1*J47 - 1*J53 + 1*J55 + 2*J74 + 1*J87 + 2*J92 + 2*J94 + 1*J98 - 1*J99 + 1*J112 + 1*J115 + 1*J120 - 1*J129 - 1*J140 + 2*J141 + 1*J181 - 2*J201 - 1*J215 + 1*J217 + 1*J232 + 1*J239$$

$$~~K10~~ * K522 * H2 = 2*F12 + 1*F26 - 2*G12 + 1*G15 - 1*G26 + 1*G56 - 1*H15 + 1*H22 + 1*H28 + 1*H31 + 1*H34 - 2*H76 - 1*H90 + 1*H102 + 1*H132 - 1*J22 - 1*J28 - 1*J31 - 1*J34 + 1*J50 - 1*J56 + 1*J58 + 2*J77 + 1*J90 + 2*J95 + 2*J97 + 1*J101 - 1*J102 + 1*J115 + 1*J118 + 1*J123 - 1*J132 - 1*J143 + 2*J144 + 1*J184 - 2*J204 - 1*J218 + 1*J220 + 1*J235 + 1*J242$$

$$K11 * K523 = 2*F13 + 1*F27 - 2*G13 + 1*G16 - 1*G27 + 1*G57 - 1*H16 + 1*H23 + 1*H29 + 1*H32 + 1*H35 - 2*H77 - 1*H91 + 1*H103 + 1*H133 - 1*J23 - 1*J29 - 1*J32 - 1*J35 + 1*J51 - 1*J57 + 1*J59 + 2*J78 + 1*J91 + 2*J96 + 2*J98 + 1*J102 - 1*J103 + 1*J116 + 1*J119 + 1*J124 - 1*J133 - 1*J144 + 2*J145 + 1*J185 - 2*J205 - 1*J219 + 1*J221 + 1*J236 + 1*J243$$

$$K12 * K524 = 2*F14 + 1*F28 - 2*G14 + 1*G17 - 1*G28 + 1*G58 - 1*H17 + 1*H24 + 1*H30 + 1*H33 + 1*H36 - 2*H78 - 1*H92 + 1*H104 + 1*H134 - 1*J24 - 1*J30 - 1*J33 - 1*J36 + 1*J52 - 1*J58 + 1*J60 + 2*J79 + 1*J92 + 2*J97 + 2*J99 + 1*J103 - 1*J104 + 1*J117 + 1*J120 + 1*J125 - 1*J134 - 1*J145 + 2*J146 + 1*J186 - 2*J206 - 1*J220 + 1*J222 + 1*J237 + 1*J244$$

$$K13 * K525 = 2*F15 + 1*F29 - 2*G15 + 1*G18 - 1*G29 + 1*G59 - 1*H18 + 1*H25 + 1*H31 + 1*H34 + 1*H37 - 2*H79 - 1*H93 + 1*H105 + 1*H135 - 1*J25 - 1*J31 - 1*J34 - 1*J37 + 1*J53 - 1*J59 + 1*J61 + 2*J80 + 1*J93 + 2*J98 + 2*J100 + 1*J104 - 1*J105 + 1*J118 + 1*J121 + 1*J126 - 1*J135 - 1*J146 + 2*J147 + 1*J187 - 2*J207 - 1*J221 + 1*J223 + 1*J238 + 1*J245$$

$$~~K14~~ * K526 = 2*F16 + 1*F30 - 2*G16 + 1*G19 - 1*G30 + 1*G60 - 1*H19 + 1*H26 + 1*H32 + 1*H35 + 1*H38 - 2*H80 - 1*H94 + 1*H106 + 1*H136 - 1*J26 - 1*J32 - 1*J35 - 1*J38 + 1*J54 - 1*J60 + 1*J62 + 2*J81 + 1*J94 + 2*J99 + 2*J101 + 1*J105 - 1*J106 + 1*J119 + 1*J122 + 1*J127 - 1*J136 - 1*J147 + 2*J148 + 1*J188 - 2*J208 - 1*J222 + 1*J224 + 1*J239 + 1*J246$$

$$~~K15~~ * K527 = 2*F17 + 1*F31 - 2*G17 + 1*G20 - 1*G31 + 1*G61 - 1*H20 + 1*H27 + 1*H33 + 1*H36 + 1*H39 - 2*H81 - 1*H95 + 1*H107 + 1*H137 - 1*J27 - 1*J33 - 1*J36 - 1*J39 + 1*J55 - 1*J61 + 1*J63 + 2*J82 + 1*J95 + 2*J100 +$$

$$2*J102 + 1*J106 - 1*J107 + 1*J120 + 1*J123 + 1*J128 - 1*J137 - 1*J148 + 2*J149 + 1*J189 - 2*J209 - 1*J223 + 1*J225 + 1*J240 + 1*J247$$

$$K16 * K528 = 2*F18 + 1*F32 - 2*G18 + 1*G21 - 1*G32 + 1*G62 - 1*H21 + 1*H28 + 1*H34 + 1*H37 + 1*H40 - 2*H82 - 1*H96 + 1*H108 + 1*H138 - 1*J28 - 1*J34 - 1*J37 - 1*J40 + 1*J56 - 1*J62 + 1*J64 + 2*J83 + 1*J96 + 2*J101 + 2*J103 + 1*J107 - 1*J108 + 1*J121 + 1*J124 + 1*J129 - 1*J138 - 1*J149 + 2*J150 + 1*J190 - 2*J210 - 1*J224 + 1*J226 + 1*J241 + 1*J248$$

$$K17 * ~~K529~~ = 2*F19 + 1*F33 - 2*G19 + 1*G22 - 1*G33 + 1*G63 - 1*H22 + 1*H29 + 1*H35 + 1*H38 + 1*H41 - 2*H83 - 1*H97 + 1*H109 + 1*H139 - 1*J29 - 1*J35 - 1*J38 - 1*J41 + 1*J57 - 1*J63 + 1*J65 + 2*J84 + 1*J97 + 2*J102 + 2*J104 + 1*J108 - 1*J109 + 1*J122 + 1*J125 + 1*J130 - 1*J139 - 1*J150 + 2*J151 + 1*J191 - 2*J211 - 1*J225 + 1*J227 + 1*J242 + 1*J249$$

$$K18 * K530 = 2*F20 + 1*F34 - 2*G20 + 1*G23 - 1*G34 + 1*G64 - 1*H23 + 1*H30 + 1*H36 + 1*H39 + 1*H42 - 2*H84 - 1*H98 + 1*H110 + 1*H140 - 1*J30 - 1*J36 - 1*J39 - 1*J42 + 1*J58 - 1*J64 + 1*J66 + 2*J85 + 1*J98 + 2*J103 + 2*J105 + 1*J109 - 1*J110 + 1*J123 + 1*J126 + 1*J131 - 1*J140 - 1*J151 + 2*J152 + 1*J192 - 2*J212 - 1*J226 + 1*J228 + 1*J243 + 1*J250$$

$$K19 * ~~K531~~ = 2*F21 + 1*F35 - 2*G21 + 1*G24 - 1*G35 + 1*G65 - 1*H24 + 1*H31 + 1*H37 + 1*H40 + 1*H43 - 2*H85 - 1*H99 + 1*H111 + 1*H141 - 1*J31 - 1*J37 - 1*J40 - 1*J43 + 1*J59 - 1*J65 + 1*J67 + 2*J86 + 1*J99 + 2*J104 + 2*J106 + 1*J110 - 1*J111 + 1*J124 + 1*J127 + 1*J132 - 1*J141 - 1*J152 + 2*J153 + 1*J193 - 2*J213 - 1*J227 + 1*J229 + 1*J244 + 1*J251$$

$$K20 * K532 = 2*F22 + 1*F36 - 2*G22 + 1*G25 - 1*G36 + 1*G66 - 1*H25 + 1*H32 + 1*H38 + 1*H41 + 1*H44 - 2*H86 - 1*H100 + 1*H112 + 1*H142 - 1*J32 - 1*J38 - 1*J41 - 1*J44 + 1*J60 - 1*J66 + 1*J68 + 2*J87 + 1*J100 + 2*J105 + 2*J107 + 1*J111 - 1*J112 + 1*J125 + 1*J128 + 1*J133 - 1*J142 - 1*J153 + 2*J154 + 1*J194 - 2*J214 - 1*J228 + 1*J230 + 1*J245 + 1*J252$$

$$K21 * ~~K533~~ = 2*F23 + 1*F37 - 2*G23 + 1*G26 - 1*G37 + 1*G67 - 1*H26 + 1*H33 + 1*H39 + 1*H42 + 1*H45 - 2*H87 - 1*H101 + 1*H113 + 1*H143 - 1*J33 - 1*J39 - 1*J42 - 1*J45 + 1*J61 - 1*J67 + 1*J69 + 2*J88 + 1*J101 + 2*J106 + 2*J108 + 1*J112 - 1*J113 + 1*J126 + 1*J129 + 1*J134 - 1*J143 - 1*J154 + 2*J155 + 1*J195 - 2*J215 - 1*J229 + 1*J231 + 1*J246 + 1*J253$$

$$K22 * ~~K534~~ = 2*F24 + 1*F38 - 2*G24 + 1*G27 - 1*G38 + 1*G68 - 1*H27 + 1*H34 + 1*H40 + 1*H43 + 1*H46 - 2*H88 - 1*H102 + 1*H114 + 1*H144 - 1*J34 - 1*J40 - 1*J43 - 1*J46 + 1*J62 - 1*J68 + 1*J70 + 2*J89 + 1*J102 + 2*J107 + 2*J109 + 1*J113 - 1*J114 + 1*J127 + 1*J130 + 1*J135 - 1*J144 - 1*J155 + 2*J156 + 1*J196 - 2*J216 - 1*J230 + 1*J232 + 1*J247 + 1*J254$$

$$K23 * ~~K535~~ = 2*F25 + 1*F39 - 2*G25 + 1*G28 - 1*G39 + 1*G69 - 1*H28 + 1*H35 + 1*H41 + 1*H44 + 1*H47 - 2*H89 - 1*H103 + 1*H115 + 1*H145 - 1*J35 - 1*J41 - 1*J44 - 1*J47 + 1*J63 - 1*J69 + 1*J71 + 2*J90 + 1*J103 + 2*J108 + 2*J110 + 1*J114 - 1*J115 + 1*J128 + 1*J131 + 1*J136 - 1*J145 - 1*J156 + 2*J157 + 1*J197 - 2*J217 - 1*J231 + 1*J233 + 1*J248 + 1*J255$$

$$K24 * K536 = 2*F26 + 1*F40 - 2*G26 + 1*G29 - 1*G40 + 1*G70 - 1*H29 + 1*H36 + 1*H42 + 1*H45 + 1*H48 - 2*H90 - 1*H104 + 1*H116 + 1*H146 - 1*J36 - 1*J42 - 1*J45 - 1*J48 + 1*J64 - 1*J70 + 1*J72 + 2*J91 + 1*J104 + 2*J109 + 2*J111 + 1*J115 - 1*J116 + 1*J129 + 1*J132 + 1*J137 - 1*J146 - 1*J157 + 2*J158 + 1*J198 - 2*J218 - 1*J232 + 1*J234 + 1*J249 + 1*J256$$

$$K25 * K537 = 2*F27 + 1*F41 - 2*G27 + 1*G30 - 1*G41 + 1*G71 - 1*H30 + 1*H37 + 1*H43 + 1*H46 + 1*H49 - 2*H91 - 1*H105 + 1*H117 + 1*H147 - 1*J37 - 1*J43 - 1*J46 - 1*J49 + 1*J65 - 1*J71 + 1*J73 + 2*J92 + 1*J105 + 2*J110$$

+ 2*J112 + 1*J116 - 1*J117 + 1*J130 + 1*J133 + 1*J138 - 1*J147 - 1*J158 +
2*J159 + 1*J199 - 2*J219 - 1*J233 + 1*J235 + 1*J250 + 1*J257

K26 * K538 = 2*F28 + 1*F42 - 2*G28 + 1*G31 - 1*G42 + 1*G72 - 1*H31 +
1*H38 + 1*H44 + 1*H47 + 1*H50 - 2*H92 - 1*H106 + 1*H118 + 1*H148 - 1*J38
- 1*J44 - 1*J47 - 1*J50 + 1*J66 - 1*J72 + 1*J74 + 2*J93 + 1*J106 + 2*J111
+ 2*J113 + 1*J117 - 1*J118 + 1*J131 + 1*J134 + 1*J139 - 1*J148 - 1*J159 +
2*J160 + 1*J200 - 2*J220 - 1*J234 + 1*J236 + 1*J251 + 1*J258

K27 * K539 = 2*F29 + 1*F43 - 2*G29 + 1*G32 - 1*G43 + 1*G73 - 1*H32 +
1*H39 + 1*H45 + 1*H48 + 1*H51 - 2*H93 - 1*H107 + 1*H119 + 1*H149 - 1*J39
- 1*J45 - 1*J48 - 1*J51 + 1*J67 - 1*J73 + 1*J75 + 2*J94 + 1*J107 + 2*J112
+ 2*J114 + 1*J118 - 1*J119 + 1*J132 + 1*J135 + 1*J140 - 1*J149 - 1*J160 +
2*J161 + 1*J201 - 2*J221 - 1*J235 + 1*J237 + 1*J252 + 1*J259

K28 * K540 = 2*F30 + 1*F44 - 2*G30 + 1*G33 - 1*G44 + 1*G74 - 1*H33 +
1*H40 + 1*H46 + 1*H49 + 1*H52 - 2*H94 - 1*H108 + 1*H120 + 1*H150 - 1*J40
- 1*J46 - 1*J49 - 1*J52 + 1*J68 - 1*J74 + 1*J76 + 2*J95 + 1*J108 + 2*J113
+ 2*J115 + 1*J119 - 1*J120 + 1*J133 + 1*J136 + 1*J141 - 1*J150 - 1*J161 +
2*J162 + 1*J202 - 2*J222 - 1*J236 + 1*J238 + 1*J253 + 1*J260

K29 * K541 = 2*F31 + 1*F45 - 2*G31 + 1*G34 - 1*G45 + 1*G75 - 1*H34 +
1*H41 + 1*H47 + 1*H50 + 1*H53 - 2*H95 - 1*H109 + 1*H121 + 1*H151 - 1*J41
- 1*J47 - 1*J50 - 1*J53 + 1*J69 - 1*J75 + 1*J77 + 2*J96 + 1*J109 + 2*J114
+ 2*J116 + 1*J120 - 1*J121 + 1*J134 + 1*J137 + 1*J142 - 1*J151 - 1*J162 +
2*J163 + 1*J203 - 2*J223 - 1*J237 + 1*J239 + 1*J254 + 1*J261

K30 * K542 = 2*F32 + 1*F46 - 2*G32 + 1*G35 - 1*G46 + 1*G76 - 1*H35 +
1*H42 + 1*H48 + 1*H51 + 1*H54 - 2*H96 - 1*H110 + 1*H122 + 1*H152 - 1*J42
- 1*J48 - 1*J51 - 1*J54 + 1*J70 - 1*J76 + 1*J78 + 2*J97 + 1*J110 + 2*J115
+ 2*J117 + 1*J121 - 1*J122 + 1*J135 + 1*J138 + 1*J143 - 1*J152 - 1*J163 +
2*J164 + 1*J204 - 2*J224 - 1*J238 + 1*J240 + 1*J255 + 1*J262

~~K34~~ * K546 = 2*F36 + 1*F50 - 2*G36 + 1*G39 - 1*G50 + 1*G80 - 1*H39 +
1*H46 + 1*H52 + 1*H55 + 1*H58 - 2*H100 - 1*H114 + 1*H126 + 1*H156 - 1*J46
- 1*J52 - 1*J55 - 1*J58 + 1*J74 - 1*J80 + 1*J82 + 2*J101 + 1*J114 +
2*J119 + 2*J121 + 1*J125 - 1*J126 + 1*J139 + 1*J142 + 1*J147 - 1*J156 -
1*J167 + 2*J168 + 1*J208 - 2*J228 - 1*J242 + 1*J244 + 1*J259 + 1*J266

K35 * K547 = 2*F37 + 1*F51 - 2*G37 + 1*G40 - 1*G51 + 1*G81 - 1*H40 +
1*H47 + 1*H53 + 1*H56 + 1*H59 - 2*H101 - 1*H115 + 1*H127 + 1*H157 - 1*J47
- 1*J53 - 1*J56 - 1*J59 + 1*J75 - 1*J81 + 1*J83 + 2*J102 + 1*J115 +
2*J120 + 2*J122 + 1*J126 - 1*J127 + 1*J140 + 1*J143 + 1*J148 - 1*J157 -
1*J168 + 2*J169 + 1*J209 - 2*J229 - 1*J243 + 1*J245 + 1*J260 + 1*J267

K36 * K548 = 2*F38 + 1*F52 - 2*G38 + 1*G41 - 1*G52 + 1*G82 - 1*H41 +
1*H48 + 1*H54 + 1*H57 + 1*H60 - 2*H102 - 1*H116 + 1*H128 + 1*H158 - 1*J48
- 1*J54 - 1*J57 - 1*J60 + 1*J76 - 1*J82 + 1*J84 + 2*J103 + 1*J116 +
2*J121 + 2*J123 + 1*J127 - 1*J128 + 1*J141 + 1*J144 + 1*J149 - 1*J158 -
1*J169 + 2*J170 + 1*J210 - 2*J230 - 1*J244 + 1*J246 + 1*J261 + 1*J268

K37 * K549 = 2*F39 + 1*F53 - 2*G39 + 1*G42 - 1*G53 + 1*G83 - 1*H42 +
1*H49 + 1*H55 + 1*H58 + 1*H61 - 2*H103 - 1*H117 + 1*H129 + 1*H159 - 1*J49
- 1*J55 - 1*J58 - 1*J61 + 1*J77 - 1*J83 + 1*J85 + 2*J104 + 1*J117 +
2*J122 + 2*J124 + 1*J128 - 1*J129 + 1*J142 + 1*J145 + 1*J150 - 1*J159 -
1*J170 + 2*J171 + 1*J211 - 2*J231 - 1*J245 + 1*J247 + 1*J262 + 1*J269

K38 * K550 = 2*F40 + 1*F54 - 2*G40 + 1*G43 - 1*G54 + 1*G84 - 1*H43 +
1*H50 + 1*H56 + 1*H59 + 1*H62 - 2*H104 - 1*H118 + 1*H130 + 1*H160 - 1*J50
- 1*J56 - 1*J59 - 1*J62 + 1*J78 - 1*J84 + 1*J86 + 2*J105 + 1*J118 +

$$2*J123 + 2*J125 + 1*J129 - 1*J130 + 1*J143 + 1*J146 + 1*J151 - 1*J160 - 1*J171 + 2*J172 + 1*J212 - 2*J232 - 1*J246 + 1*J248 + 1*J263 + 1*J270$$

$$\del{K39} * K551 * H2 = 2*F41 + 1*F55 - 2*G41 + 1*G44 - 1*G55 + 1*G85 - 1*H44 + 1*H51 + 1*H57 + 1*H60 + 1*H63 - 2*H105 - 1*H119 + 1*H131 + 1*H161 - 1*J51 - 1*J57 - 1*J60 - 1*J63 + 1*J79 - 1*J85 + 1*J87 + 2*J106 + 1*J119 + 2*J124 + 2*J126 + 1*J130 - 1*J131 + 1*J144 + 1*J147 + 1*J152 - 1*J161 - 1*J172 + 2*J173 + 1*J213 - 2*J233 - 1*J247 + 1*J249 + 1*J264 + 1*J271$$

$$K40 * K552 = 2*F42 + 1*F56 - 2*G42 + 1*G45 - 1*G56 + 1*G86 - 1*H45 + 1*H52 + 1*H58 + 1*H61 + 1*H64 - 2*H106 - 1*H120 + 1*H132 + 1*H162 - 1*J52 - 1*J58 - 1*J61 - 1*J64 + 1*J80 - 1*J86 + 1*J88 + 2*J107 + 1*J120 + 2*J125 + 2*J127 + 1*J131 - 1*J132 + 1*J145 + 1*J148 + 1*J153 - 1*J162 - 1*J173 + 2*J174 + 1*J214 - 2*J234 - 1*J248 + 1*J250 + 1*J265 + 1*J272$$

$$K41 * K553 = 2*F43 + 1*F57 - 2*G43 + 1*G46 - 1*G57 + 1*G87 - 1*H46 + 1*H53 + 1*H59 + 1*H62 + 1*H65 - 2*H107 - 1*H121 + 1*H133 + 1*H163 - 1*J53 - 1*J59 - 1*J62 - 1*J65 + 1*J81 - 1*J87 + 1*J89 + 2*J108 + 1*J121 + 2*J126 + 2*J128 + 1*J132 - 1*J133 + 1*J146 + 1*J149 + 1*J154 - 1*J163 - 1*J174 + 2*J175 + 1*J215 - 2*J235 - 1*J249 + 1*J251 + 1*J266 + 1*J273$$

$$K42 * K554 = 2*F44 + 1*F58 - 2*G44 + 1*G47 - 1*G58 + 1*G88 - 1*H47 + 1*H54 + 1*H60 + 1*H63 + 1*H66 - 2*H108 - 1*H122 + 1*H134 + 1*H164 - 1*J54 - 1*J60 - 1*J63 - 1*J66 + 1*J82 - 1*J88 + 1*J90 + 2*J109 + 1*J122 + 2*J127 + 2*J129 + 1*J133 - 1*J134 + 1*J147 + 1*J150 + 1*J155 - 1*J164 - 1*J175 + 2*J176 + 1*J216 - 2*J236 - 1*J250 + 1*J252 + 1*J267 + 1*J274$$

$$K43 * K555 = 2*F45 + 1*F59 - 2*G45 + 1*G48 - 1*G59 + 1*G89 - 1*H48 + 1*H55 + 1*H61 + 1*H64 + 1*H67 - 2*H109 - 1*H123 + 1*H135 + 1*H165 - 1*J55 - 1*J61 - 1*J64 - 1*J67 + 1*J83 - 1*J89 + 1*J91 + 2*J110 + 1*J123 + 2*J128 + 2*J130 + 1*J134 - 1*J135 + 1*J148 + 1*J151 + 1*J156 - 1*J165 - 1*J176 + 2*J177 + 1*J217 - 2*J237 - 1*J251 + 1*J253 + 1*J268 + 1*J275$$

$$K44 * K556 = 2*F46 + 1*F60 - 2*G46 + 1*G49 - 1*G60 + 1*G90 - 1*H49 + 1*H56 + 1*H62 + 1*H65 + 1*H68 - 2*H110 - 1*H124 + 1*H136 + 1*H166 - 1*J56 - 1*J62 - 1*J65 - 1*J68 + 1*J84 - 1*J90 + 1*J92 + 2*J111 + 1*J124 + 2*J129 + 2*J131 + 1*J135 - 1*J136 + 1*J149 + 1*J152 + 1*J157 - 1*J166 - 1*J177 + 2*J178 + 1*J218 - 2*J238 - 1*J252 + 1*J254 + 1*J269 + 1*J276$$

$$K47 * K559 = 2*F49 + 1*F63 - 2*G49 + 1*G52 - 1*G63 + 1*G93 - 1*H52 + 1*H59 + 1*H65 + 1*H68 + 1*H71 - 2*H113 - 1*H127 + 1*H139 + 1*H169 - 1*J59 - 1*J65 - 1*J68 - 1*J71 + 1*J87 - 1*J93 + 1*J95 + 2*J114 + 1*J127 + 2*J132 + 2*J134 + 1*J138 - 1*J139 + 1*J152 + 1*J155 + 1*J160 - 1*J169 - 1*J180 + 2*J181 + 1*J221 - 2*J241 - 1*J255 + 1*J257 + 1*J272 + 1*J279$$

$$\del{K50} * K562 = 2*F52 + 1*F2 - 2*G52 + 1*G55 - 1*G66 + 1*G96 - 1*H55 + 1*H62 + 1*H68 + 1*H71 + 1*H74 - 2*H116 - 1*H130 + 1*H142 + 1*H172 - 1*J62 - 1*J68 - 1*J71 - 1*J74 + 1*J90 - 1*J96 + 1*J98 + 2*J117 + 1*J130 + 2*J135 + 2*J137 + 1*J141 - 1*J142 + 1*J155 + 1*J158 + 1*J163 - 1*J172 - 1*J183 + 2*J184 + 1*J224 - 2*J244 - 1*J258 + 1*J260 + 1*J275 + 1*J282$$

$$K51 * \del{K563} = 2*F53 + 1*F3 - 2*G53 + 1*G56 - 1*G67 + 1*G97 - 1*H56 + 1*H63 + 1*H69 + 1*H72 + 1*H75 - 2*H117 - 1*H131 + 1*H143 + 1*H173 - 1*J63 - 1*J69 - 1*J72 - 1*J75 + 1*J91 - 1*J97 + 1*J99 + 2*J118 + 1*J131 + 2*J136 + 2*J138 + 1*J142 - 1*J143 + 1*J156 + 1*J159 + 1*J164 - 1*J173 - 1*J184 + 2*J185 + 1*J225 - 2*J245 - 1*J259 + 1*J261 + 1*J276 + 1*J283$$

$$K52 * \del{K564} = 2*F54 + 1*F4 - 2*G54 + 1*G57 - 1*G68 + 1*G98 - 1*H57 + 1*H64 + 1*H70 + 1*H73 + 1*H76 - 2*H118 - 1*H132 + 1*H144 + 1*H174 - 1*J64 - 1*J70 - 1*J73 - 1*J76 + 1*J92 - 1*J98 + 1*J100 + 2*J119 + 1*J132 + 2*J137$$

+ 2*J139 + 1*J143 - 1*J144 + 1*J157 + 1*J160 + 1*J165 - 1*J174 - 1*J185 +
2*J186 + 1*J226 - 2*J246 - 1*J260 + 1*J262 + 1*J277 + 1*J284

K53 * ~~K565~~ = 2*F55 + 1*F5 - 2*G55 + 1*G58 - 1*G69 + 1*G99 - 1*H58 + 1*H65
+ 1*H71 + 1*H74 + 1*H77 - 2*H119 - 1*H133 + 1*H145 + 1*H175 - 1*J65 -
1*J71 - 1*J74 - 1*J77 + 1*J93 - 1*J99 + 1*J101 + 2*J120 + 1*J133 + 2*J138
+ 2*J140 + 1*J144 - 1*J145 + 1*J158 + 1*J161 + 1*J166 - 1*J175 - 1*J186 +
2*J187 + 1*J227 - 2*J247 - 1*J261 + 1*J263 + 1*J278 + 1*J285

K54 * K566 = 2*F56 + 1*F6 - 2*G56 + 1*G59 - 1*G70 + 1*G100 - 1*H59 +
1*H66 + 1*H72 + 1*H75 + 1*H78 - 2*H120 - 1*H134 + 1*H146 + 1*H176 - 1*J66
- 1*J72 - 1*J75 - 1*J78 + 1*J94 - 1*J100 + 1*J102 + 2*J121 + 1*J134 +
2*J139 + 2*J141 + 1*J145 - 1*J146 + 1*J159 + 1*J162 + 1*J167 - 1*J176 -
1*J187 + 2*J188 + 1*J228 - 2*J248 - 1*J262 + 1*J264 + 1*J279 + 1*J286

K55 * K567 = 2*F57 + 1*F7 - 2*G57 + 1*G60 - 1*G71 + 1*G101 - 1*H60 +
1*H67 + 1*H73 + 1*H76 + 1*H79 - 2*H121 - 1*H135 + 1*H147 + 1*H177 - 1*J67
- 1*J73 - 1*J76 - 1*J79 + 1*J95 - 1*J101 + 1*J103 + 2*J122 + 1*J135 +
2*J140 + 2*J142 + 1*J146 - 1*J147 + 1*J160 + 1*J163 + 1*J168 - 1*J177 -
1*J188 + 2*J189 + 1*J229 - 2*J249 - 1*J263 + 1*J265 + 1*J280 + 1*J287

K56 * K568 = 2*F58 + 1*F8 - 2*G58 + 1*G61 - 1*G72 + 1*G102 - 1*H61 +
1*H68 + 1*H74 + 1*H77 + 1*H80 - 2*H122 - 1*H136 + 1*H148 + 1*H178 - 1*J68
- 1*J74 - 1*J77 - 1*J80 + 1*J96 - 1*J102 + 1*J104 + 2*J123 + 1*J136 +
2*J141 + 2*J143 + 1*J147 - 1*J148 + 1*J161 + 1*J164 + 1*J169 - 1*J178 -
1*J189 + 2*J190 + 1*J230 - 2*J250 - 1*J264 + 1*J266 + 1*J281 + 1*J288

K57 * K569 = 2*F59 + 1*F9 - 2*G59 + 1*G62 - 1*G73 + 1*G103 - 1*H62 +
1*H69 + 1*H75 + 1*H78 + 1*H81 - 2*H123 - 1*H137 + 1*H149 + 1*H179 - 1*J69
- 1*J75 - 1*J78 - 1*J81 + 1*J97 - 1*J103 + 1*J105 + 2*J124 + 1*J137 +
2*J142 + 2*J144 + 1*J148 - 1*J149 + 1*J162 + 1*J165 + 1*J170 - 1*J179 -
1*J190 + 2*J191 + 1*J231 - 2*J251 - 1*J265 + 1*J267 + 1*J282 + 1*J289

K58 * K570 = 2*F60 + 1*F10 - 2*G60 + 1*G63 - 1*G74 + 1*G104 - 1*H63 +
1*H70 + 1*H76 + 1*H79 + 1*H82 - 2*H124 - 1*H138 + 1*H150 + 1*H180 - 1*J70
- 1*J76 - 1*J79 - 1*J82 + 1*J98 - 1*J104 + 1*J106 + 2*J125 + 1*J138 +
2*J143 + 2*J145 + 1*J149 - 1*J150 + 1*J163 + 1*J166 + 1*J171 - 1*J180 -
1*J191 + 2*J192 + 1*J232 - 2*J252 - 1*J266 + 1*J268 + 1*J283 + 1*J290

K59 * K571 = 2*F61 + 1*F11 - 2*G61 + 1*G64 - 1*G75 + 1*G105 - 1*H64 +
1*H71 + 1*H77 + 1*H80 + 1*H83 - 2*H125 - 1*H139 + 1*H151 + 1*H181 - 1*J71
- 1*J77 - 1*J80 - 1*J83 + 1*J99 - 1*J105 + 1*J107 + 2*J126 + 1*J139 +
2*J144 + 2*J146 + 1*J150 - 1*J151 + 1*J164 + 1*J167 + 1*J172 - 1*J181 -
1*J192 + 2*J193 + 1*J233 - 2*J253 - 1*J267 + 1*J269 + 1*J284 + 1*J291

K60 * K572 = 2*F62 + 1*F12 - 2*G62 + 1*G65 - 1*G76 + 1*G106 - 1*H65 +
1*H72 + 1*H78 + 1*H81 + 1*H84 - 2*H126 - 1*H140 + 1*H152 + 1*H182 - 1*J72
- 1*J78 - 1*J81 - 1*J84 + 1*J100 - 1*J106 + 1*J108 + 2*J127 + 1*J140 +
2*J145 + 2*J147 + 1*J151 - 1*J152 + 1*J165 + 1*J168 + 1*J173 - 1*J182 -
1*J193 + 2*J194 + 1*J234 - 2*J254 - 1*J268 + 1*J270 + 1*J285 + 1*J292

K61 * ~~K573~~ = 2*F63 + 1*F13 - 2*G63 + 1*G66 - 1*G77 + 1*G107 - 1*H66 +
1*H73 + 1*H79 + 1*H82 + 1*H85 - 2*H127 - 1*H141 + 1*H153 + 1*H183 - 1*J73
- 1*J79 - 1*J82 - 1*J85 + 1*J101 - 1*J107 + 1*J109 + 2*J128 + 1*J141 +
2*J146 + 2*J148 + 1*J152 - 1*J153 + 1*J166 + 1*J169 + 1*J174 - 1*J183 -
1*J194 + 2*J195 + 1*J235 - 2*J255 - 1*J269 + 1*J271 + 1*J286 + 1*J293

K62 * K574 = 2*F0 + 1*F14 - 2*G64 + 1*G67 - 1*G78 + 1*G108 - 1*H67 +
1*H74 + 1*H80 + 1*H83 + 1*H86 - 2*H128 - 1*H142 + 1*H154 + 1*H184 - 1*J74
- 1*J80 - 1*J83 - 1*J86 + 1*J102 - 1*J108 + 1*J110 + 2*J129 + 1*J142 +

$2*J147 + 2*J149 + 1*J153 - 1*J154 + 1*J167 + 1*J170 + 1*J175 - 1*J184 - 1*J195 + 2*J196 + 1*J236 - 2*J256 - 1*J270 + 1*J272 + 1*J287 + 1*J294$

$K63 * K575 = 2*F1 + 1*F15 - 2*G65 + 1*G68 - 1*G79 + 1*G109 - 1*H68 + 1*H75 + 1*H81 + 1*H84 + 1*H87 - 2*H129 - 1*H143 + 1*H155 + 1*H185 - 1*J75 - 1*J81 - 1*J84 - 1*J87 + 1*J103 - 1*J109 + 1*J111 + 2*J130 + 1*J143 + 2*J148 + 2*J150 + 1*J154 - 1*J155 + 1*J168 + 1*J171 + 1*J176 - 1*J185 - 1*J196 + 2*J197 + 1*J237 - 2*J257 - 1*J271 + 1*J273 + 1*J288 + 1*J295$

$K64 * ~~K576~~ = 2*F2 + 1*F16 - 2*G66 + 1*G69 - 1*G80 + 1*G110 - 1*H69 + 1*H76 + 1*H82 + 1*H85 + 1*H88 - 2*H130 - 1*H144 + 1*H156 + 1*H186 - 1*J76 - 1*J82 - 1*J85 - 1*J88 + 1*J104 - 1*J110 + 1*J112 + 2*J131 + 1*J144 + 2*J149 + 2*J151 + 1*J155 - 1*J156 + 1*J169 + 1*J172 + 1*J177 - 1*J186 - 1*J197 + 2*J198 + 1*J238 - 2*J258 - 1*J272 + 1*J274 + 1*J289 + 1*J296$

$K65 * K577 = 2*F3 + 1*F17 - 2*G67 + 1*G70 - 1*G81 + 1*G111 - 1*H70 + 1*H77 + 1*H83 + 1*H86 + 1*H89 - 2*H131 - 1*H145 + 1*H157 + 1*H187 - 1*J77 - 1*J83 - 1*J86 - 1*J89 + 1*J105 - 1*J111 + 1*J113 + 2*J132 + 1*J145 + 2*J150 + 2*J152 + 1*J156 - 1*J157 + 1*J170 + 1*J173 + 1*J178 - 1*J187 - 1*J198 + 2*J199 + 1*J239 - 2*J259 - 1*J273 + 1*J275 + 1*J290 + 1*J297$

$K66 * ~~K578~~ = 2*F4 + 1*F18 - 2*G68 + 1*G71 - 1*G82 + 1*G112 - 1*H71 + 1*H78 + 1*H84 + 1*H87 + 1*H90 - 2*H132 - 1*H146 + 1*H158 + 1*H188 - 1*J78 - 1*J84 - 1*J87 - 1*J90 + 1*J106 - 1*J112 + 1*J114 + 2*J133 + 1*J146 + 2*J151 + 2*J153 + 1*J157 - 1*J158 + 1*J171 + 1*J174 + 1*J179 - 1*J188 - 1*J199 + 2*J200 + 1*J240 - 2*J260 - 1*J274 + 1*J276 + 1*J291 + 1*J298$

$K67 * K579 = 2*F5 + 1*F19 - 2*G69 + 1*G72 - 1*G83 + 1*G113 - 1*H72 + 1*H79 + 1*H85 + 1*H88 + 1*H91 - 2*H133 - 1*H147 + 1*H159 + 1*H189 - 1*J79 - 1*J85 - 1*J88 - 1*J91 + 1*J107 - 1*J113 + 1*J115 + 2*J134 + 1*J147 + 2*J152 + 2*J154 + 1*J158 - 1*J159 + 1*J172 + 1*J175 + 1*J180 - 1*J189 - 1*J200 + 2*J201 + 1*J241 - 2*J261 - 1*J275 + 1*J277 + 1*J292 + 1*J299$

$K68 * K580 = 2*F6 + 1*F20 - 2*G70 + 1*G73 - 1*G84 + 1*G114 - 1*H73 + 1*H80 + 1*H86 + 1*H89 + 1*H92 - 2*H134 - 1*H148 + 1*H160 + 1*H190 - 1*J80 - 1*J86 - 1*J89 - 1*J92 + 1*J108 - 1*J114 + 1*J116 + 2*J135 + 1*J148 + 2*J153 + 2*J155 + 1*J159 - 1*J160 + 1*J173 + 1*J176 + 1*J181 - 1*J190 - 1*J201 + 2*J202 + 1*J242 - 2*J262 - 1*J276 + 1*J278 + 1*J293 + 1*J300$

$K69 * K581 = 2*F7 + 1*F21 - 2*G71 + 1*G74 - 1*G85 + 1*G115 - 1*H74 + 1*H81 + 1*H87 + 1*H90 + 1*H93 - 2*H135 - 1*H149 + 1*H161 + 1*H191 - 1*J81 - 1*J87 - 1*J90 - 1*J93 + 1*J109 - 1*J115 + 1*J117 + 2*J136 + 1*J149 + 2*J154 + 2*J156 + 1*J160 - 1*J161 + 1*J174 + 1*J177 + 1*J182 - 1*J191 - 1*J202 + 2*J203 + 1*J243 - 2*J263 - 1*J277 + 1*J279 + 1*J294 + 1*J301$

$~~K70~~ * K582 = 2*F8 + 1*F22 - 2*G72 + 1*G75 - 1*G86 + 1*G116 - 1*H75 + 1*H82 + 1*H88 + 1*H91 + 1*H94 - 2*H136 - 1*H150 + 1*H162 + 1*H192 - 1*J82 - 1*J88 - 1*J91 - 1*J94 + 1*J110 - 1*J116 + 1*J118 + 2*J137 + 1*J150 + 2*J155 + 2*J157 + 1*J161 - 1*J162 + 1*J175 + 1*J178 + 1*J183 - 1*J192 - 1*J203 + 2*J204 + 1*J244 - 2*J264 - 1*J278 + 1*J280 + 1*J295 + 1*J302$

$~~K71~~ * K583 = 2*F9 + 1*F23 - 2*G73 + 1*G76 - 1*G87 + 1*G117 - 1*H76 + 1*H83 + 1*H89 + 1*H92 + 1*H95 - 2*H137 - 1*H151 + 1*H163 + 1*H193 - 1*J83 - 1*J89 - 1*J92 - 1*J95 + 1*J111 - 1*J117 + 1*J119 + 2*J138 + 1*J151 + 2*J156 + 2*J158 + 1*J162 - 1*J163 + 1*J176 + 1*J179 + 1*J184 - 1*J193 - 1*J204 + 2*J205 + 1*J245 - 2*J265 - 1*J279 + 1*J281 + 1*J296 + 1*J303$

$K72 * K584 = 2*F10 + 1*F24 - 2*G74 + 1*G77 - 1*G88 + 1*G118 - 1*H77 + 1*H84 + 1*H90 + 1*H93 + 1*H96 - 2*H138 - 1*H152 + 1*H164 + 1*H194 - 1*J84 - 1*J90 - 1*J93 - 1*J96 + 1*J112 - 1*J118 + 1*J120 + 2*J139 + 1*J152 +$

$$2*J157 + 2*J159 + 1*J163 - 1*J164 + 1*J177 + 1*J180 + 1*J185 - 1*J194 - 1*J205 + 2*J206 + 1*J246 - 2*J266 - 1*J280 + 1*J282 + 1*J297 + 1*J304$$

$$K73 * \del{K585} = 2*F11 + 1*F25 - 2*G75 + 1*G78 - 1*G89 + 1*G119 - 1*H78 + 1*H85 + 1*H91 + 1*H94 + 1*H97 - 2*H139 - 1*H153 + 1*H165 + 1*H195 - 1*J85 - 1*J91 - 1*J94 - 1*J97 + 1*J113 - 1*J119 + 1*J121 + 2*J140 + 1*J153 + 2*J158 + 2*J160 + 1*J164 - 1*J165 + 1*J178 + 1*J181 + 1*J186 - 1*J195 - 1*J206 + 2*J207 + 1*J247 - 2*J267 - 1*J281 + 1*J283 + 1*J298 + 1*J305$$

$$K74 * K586 = 2*F12 + 1*F26 - 2*G76 + 1*G79 - 1*G90 + 1*G120 - 1*H79 + 1*H86 + 1*H92 + 1*H95 + 1*H98 - 2*H140 - 1*H154 + 1*H166 + 1*H196 - 1*J86 - 1*J92 - 1*J95 - 1*J98 + 1*J114 - 1*J120 + 1*J122 + 2*J141 + 1*J154 + 2*J159 + 2*J161 + 1*J165 - 1*J166 + 1*J179 + 1*J182 + 1*J187 - 1*J196 - 1*J207 + 2*J208 + 1*J248 - 2*J268 - 1*J282 + 1*J284 + 1*J299 + 1*J306$$

$$K75 * K587 = 2*F13 + 1*F27 - 2*G77 + 1*G80 - 1*G91 + 1*G121 - 1*H80 + 1*H87 + 1*H93 + 1*H96 + 1*H99 - 2*H141 - 1*H155 + 1*H167 + 1*H197 - 1*J87 - 1*J93 - 1*J96 - 1*J99 + 1*J115 - 1*J121 + 1*J123 + 2*J142 + 1*J155 + 2*J160 + 2*J162 + 1*J166 - 1*J167 + 1*J180 + 1*J183 + 1*J188 - 1*J197 - 1*J208 + 2*J209 + 1*J249 - 2*J269 - 1*J283 + 1*J285 + 1*J300 + 1*J307$$

$$K76 * K588 = 2*F14 + 1*F28 - 2*G78 + 1*G81 - 1*G92 + 1*G122 - 1*H81 + 1*H88 + 1*H94 + 1*H97 + 1*H100 - 2*H142 - 1*H156 + 1*H168 + 1*H198 - 1*J88 - 1*J94 - 1*J97 - 1*J100 + 1*J116 - 1*J122 + 1*J124 + 2*J143 + 1*J156 + 2*J161 + 2*J163 + 1*J167 - 1*J168 + 1*J181 + 1*J184 + 1*J189 - 1*J198 - 1*J209 + 2*J210 + 1*J250 - 2*J270 - 1*J284 + 1*J286 + 1*J301 + 1*J308$$

$$K77 * \del{K589} = 2*F15 + 1*F29 - 2*G79 + 1*G82 - 1*G93 + 1*G123 - 1*H82 + 1*H89 + 1*H95 + 1*H98 + 1*H101 - 2*H143 - 1*H157 + 1*H169 + 1*H199 - 1*J89 - 1*J95 - 1*J98 - 1*J101 + 1*J117 - 1*J123 + 1*J125 + 2*J144 + 1*J157 + 2*J162 + 2*J164 + 1*J168 - 1*J169 + 1*J182 + 1*J185 + 1*J190 - 1*J199 - 1*J210 + 2*J211 + 1*J251 - 2*J271 - 1*J285 + 1*J287 + 1*J302 + 1*J309$$

$$K78 * K590 = 2*F16 + 1*F30 - 2*G80 + 1*G83 - 1*G94 + 1*G124 - 1*H83 + 1*H90 + 1*H96 + 1*H99 + 1*H102 - 2*H144 - 1*H158 + 1*H170 + 1*H200 - 1*J90 - 1*J96 - 1*J99 - 1*J102 + 1*J118 - 1*J124 + 1*J126 + 2*J145 + 1*J158 + 2*J163 + 2*J165 + 1*J169 - 1*J170 + 1*J183 + 1*J186 + 1*J191 - 1*J200 - 1*J211 + 2*J212 + 1*J252 - 2*J272 - 1*J286 + 1*J288 + 1*J303 + 1*J310$$

$$K79 * \del{K591} = 2*F17 + 1*F31 - 2*G81 + 1*G84 - 1*G95 + 1*G125 - 1*H84 + 1*H91 + 1*H97 + 1*H100 + 1*H103 - 2*H145 - 1*H159 + 1*H171 + 1*H201 - 1*J91 - 1*J97 - 1*J100 - 1*J103 + 1*J119 - 1*J125 + 1*J127 + 2*J146 + 1*J159 + 2*J164 + 2*J166 + 1*J170 - 1*J171 + 1*J184 + 1*J187 + 1*J192 - 1*J201 - 1*J212 + 2*J213 + 1*J253 - 2*J273 - 1*J287 + 1*J289 + 1*J304 + 1*J311$$

$$K80 * K592 = 2*F18 + 1*F32 - 2*G82 + 1*G85 - 1*G96 + 1*G126 - 1*H85 + 1*H92 + 1*H98 + 1*H101 + 1*H104 - 2*H146 - 1*H160 + 1*H172 + 1*H202 - 1*J92 - 1*J98 - 1*J101 - 1*J104 + 1*J120 - 1*J126 + 1*J128 + 2*J147 + 1*J160 + 2*J165 + 2*J167 + 1*J171 - 1*J172 + 1*J185 + 1*J188 + 1*J193 - 1*J202 - 1*J213 + 2*J214 + 1*J254 - 2*J274 - 1*J288 + 1*J290 + 1*J305 + 1*J312$$

$$K81 * \del{K593} = 2*F19 + 1*F33 - 2*G83 + 1*G86 - 1*G97 + 1*G127 - 1*H86 + 1*H93 + 1*H99 + 1*H102 + 1*H105 - 2*H147 - 1*H161 + 1*H173 + 1*H203 - 1*J93 - 1*J99 - 1*J102 - 1*J105 + 1*J121 - 1*J127 + 1*J129 + 2*J148 + 1*J161 + 2*J166 + 2*J168 + 1*J172 - 1*J173 + 1*J186 + 1*J189 + 1*J194 -$$

$$1*J203 - 1*J214 + 2*J215 + 1*J255 - 2*J275 - 1*J289 + 1*J291 + 1*J306 + 1*J313$$

$$K82 * K594 = 2*F20 + 1*F34 - 2*G84 + 1*G87 - 1*G98 + 1*G0 - 1*H87 + 1*H94 + 1*H100 + 1*H103 + 1*H106 - 2*H148 - 1*H162 + 1*H174 + 1*H204 - 1*J94 - 1*J100 - 1*J103 - 1*J106 + 1*J122 - 1*J128 + 1*J130 + 2*J149 + 1*J162 + 2*J167 + 2*J169 + 1*J173 - 1*J174 + 1*J187 + 1*J190 + 1*J195 - 1*J204 - 1*J215 + 2*J216 + 1*J256 - 2*J276 - 1*J290 + 1*J292 + 1*J307 + 1*J314$$

$$K83 * K595 = 2*F21 + 1*F35 - 2*G85 + 1*G88 - 1*G99 + 1*G1 - 1*H88 + 1*H95 + 1*H101 + 1*H104 + 1*H107 - 2*H149 - 1*H163 + 1*H175 + 1*H205 - 1*J95 - 1*J101 - 1*J104 - 1*J107 + 1*J123 - 1*J129 + 1*J131 + 2*J150 + 1*J163 + 2*J168 + 2*J170 + 1*J174 - 1*J175 + 1*J188 + 1*J191 + 1*J196 - 1*J205 - 1*J216 + 2*J217 + 1*J257 - 2*J277 - 1*J291 + 1*J293 + 1*J308 + 1*J315$$

$$K84 * K596 = 2*F22 + 1*F36 - 2*G86 + 1*G89 - 1*G100 + 1*G2 - 1*H89 + 1*H96 + 1*H102 + 1*H105 + 1*H108 - 2*H150 - 1*H164 + 1*H176 + 1*H206 - 1*J96 - 1*J102 - 1*J105 - 1*J108 + 1*J124 - 1*J130 + 1*J132 + 2*J151 + 1*J164 + 2*J169 + 2*J171 + 1*J175 - 1*J176 + 1*J189 + 1*J192 + 1*J197 - 1*J206 - 1*J217 + 2*J218 + 1*J258 - 2*J278 - 1*J292 + 1*J294 + 1*J309 + 1*J316$$

$$K85 * K597 = 2*F23 + 1*F37 - 2*G87 + 1*G90 - 1*G101 + 1*G3 - 1*H90 + 1*H97 + 1*H103 + 1*H106 + 1*H109 - 2*H151 - 1*H165 + 1*H177 + 1*H207 - 1*J97 - 1*J103 - 1*J106 - 1*J109 + 1*J125 - 1*J131 + 1*J133 + 2*J152 + 1*J165 + 2*J170 + 2*J172 + 1*J176 - 1*J177 + 1*J190 + 1*J193 + 1*J198 - 1*J207 - 1*J218 + 2*J219 + 1*J259 - 2*J279 - 1*J293 + 1*J295 + 1*J310 + 1*J317$$

$$K86 * K598 = 2*F24 + 1*F38 - 2*G88 + 1*G91 - 1*G102 + 1*G4 - 1*H91 + 1*H98 + 1*H104 + 1*H107 + 1*H110 - 2*H152 - 1*H166 + 1*H178 + 1*H208 - 1*J98 - 1*J104 - 1*J107 - 1*J110 + 1*J126 - 1*J132 + 1*J134 + 2*J153 + 1*J166 + 2*J171 + 2*J173 + 1*J177 - 1*J178 + 1*J191 + 1*J194 + 1*J199 - 1*J208 - 1*J219 + 2*J220 + 1*J260 - 2*J280 - 1*J294 + 1*J296 + 1*J311 + 1*J318$$

$$K87 * K599 = 2*F25 + 1*F39 - 2*G89 + 1*G92 - 1*G103 + 1*G5 - 1*H92 + 1*H99 + 1*H105 + 1*H108 + 1*H111 - 2*H153 - 1*H167 + 1*H179 + 1*H209 - 1*J99 - 1*J105 - 1*J108 - 1*J111 + 1*J127 - 1*J133 + 1*J135 + 2*J154 + 1*J167 + 2*J172 + 2*J174 + 1*J178 - 1*J179 + 1*J192 + 1*J195 + 1*J200 - 1*J209 - 1*J220 + 2*J221 + 1*J261 - 2*J281 - 1*J295 + 1*J297 + 1*J312 + 1*J319$$

$$K88 * K600 = 2*F26 + 1*F40 - 2*G90 + 1*G93 - 1*G104 + 1*G6 - 1*H93 + 1*H100 + 1*H106 + 1*H109 + 1*H112 - 2*H154 - 1*H168 + 1*H180 + 1*H210 - 1*J100 - 1*J106 - 1*J109 - 1*J112 + 1*J128 - 1*J134 + 1*J136 + 2*J155 + 1*J168 + 2*J173 + 2*J175 + 1*J179 - 1*J180 + 1*J193 + 1*J196 + 1*J201 - 1*J210 - 1*J221 + 2*J222 + 1*J262 - 2*J282 - 1*J296 + 1*J298 + 1*J313 + 1*J320$$

$$K89 * K601 = 2*F27 + 1*F41 - 2*G91 + 1*G94 - 1*G105 + 1*G7 - 1*H94 + 1*H101 + 1*H107 + 1*H110 + 1*H113 - 2*H155 - 1*H169 + 1*H181 + 1*H211 - 1*J101 - 1*J107 - 1*J110 - 1*J113 + 1*J129 - 1*J135 + 1*J137 + 2*J156 + 1*J169 + 2*J174 + 2*J176 + 1*J180 - 1*J181 + 1*J194 + 1*J197 + 1*J202 - 1*J211 - 1*J222 + 2*J223 + 1*J263 - 2*J283 - 1*J297 + 1*J299 + 1*J314 + 1*J321$$

$$K90 * K602 = 2*F28 + 1*F42 - 2*G92 + 1*G95 - 1*G106 + 1*G8 - 1*H95 + 1*H102 + 1*H108 + 1*H111 + 1*H114 - 2*H156 - 1*H170 + 1*H182 + 1*H212 - 1*J102 - 1*J108 - 1*J111 - 1*J114 + 1*J130 - 1*J136 + 1*J138 + 2*J157 +$$

1*J170 + 2*J175 + 2*J177 + 1*J181 - 1*J182 + 1*J195 + 1*J198 + 1*J203 -
1*J212 - 1*J223 + 2*J224 + 1*J264 - 2*J284 - 1*J298 + 1*J300 + 1*J315 +
1*J322

K91 * ~~K603~~ = 2*F29 + 1*F43 - 2*G93 + 1*G96 - 1*G107 + 1*G9 - 1*H96 +
1*H103 + 1*H109 + 1*H112 + 1*H115 - 2*H157 - 1*H171 + 1*H183 + 1*H213 -
1*J103 - 1*J109 - 1*J112 - 1*J115 + 1*J131 - 1*J137 + 1*J139 + 2*J158 +
1*J171 + 2*J176 + 2*J178 + 1*J182 - 1*J183 + 1*J196 + 1*J199 + 1*J204 -
1*J213 - 1*J224 + 2*J225 + 1*J265 - 2*J285 - 1*J299 + 1*J301 + 1*J316 +
1*J323

K92 * ~~K604~~ = 2*F30 + 1*F44 - 2*G94 + 1*G97 - 1*G108 + 1*G10 - 1*H97 +
1*H104 + 1*H110 + 1*H113 + 1*H116 - 2*H158 - 1*H172 + 1*H184 + 1*H214 -
1*J104 - 1*J110 - 1*J113 - 1*J116 + 1*J132 - 1*J138 + 1*J140 + 2*J159 +
1*J172 + 2*J177 + 2*J179 + 1*J183 - 1*J184 + 1*J197 + 1*J200 + 1*J205 -
1*J214 - 1*J225 + 2*J226 + 1*J266 - 2*J286 - 1*J300 + 1*J302 + 1*J317 +
1*J324

K93 * K605 = 2*F31 + 1*F45 - 2*G95 + 1*G98 - 1*G109 + 1*G11 - 1*H98 +
1*H105 + 1*H111 + 1*H114 + 1*H117 - 2*H159 - 1*H173 + 1*H185 + 1*H215 -
1*J105 - 1*J111 - 1*J114 - 1*J117 + 1*J133 - 1*J139 + 1*J141 + 2*J160 +
1*J173 + 2*J178 + 2*J180 + 1*J184 - 1*J185 + 1*J198 + 1*J201 + 1*J206 -
1*J215 - 1*J226 + 2*J227 + 1*J267 - 2*J287 - 1*J301 + 1*J303 + 1*J318 +
1*J325

K94 * K606 = 2*F32 + 1*F46 - 2*G96 + 1*G99 - 1*G110 + 1*G12 - 1*H99 +
1*H106 + 1*H112 + 1*H115 + 1*H118 - 2*H160 - 1*H174 + 1*H186 + 1*H216 -
1*J106 - 1*J112 - 1*J115 - 1*J118 + 1*J134 - 1*J140 + 1*J142 + 2*J161 +
1*J174 + 2*J179 + 2*J181 + 1*J185 - 1*J186 + 1*J199 + 1*J202 + 1*J207 -
1*J216 - 1*J227 + 2*J228 + 1*J268 - 2*J288 - 1*J302 + 1*J304 + 1*J319 +
1*J326

K95 * ~~K607~~ = 2*F33 + 1*F47 - 2*G97 + 1*G100 - 1*G111 + 1*G13 - 1*H100 +
1*H107 + 1*H113 + 1*H116 + 1*H119 - 2*H161 - 1*H175 + 1*H187 + 1*H217 -
1*J107 - 1*J113 - 1*J116 - 1*J119 + 1*J135 - 1*J141 + 1*J143 + 2*J162 +
1*J175 + 2*J180 + 2*J182 + 1*J186 - 1*J187 + 1*J200 + 1*J203 + 1*J208 -
1*J217 - 1*J228 + 2*J229 + 1*J269 - 2*J289 - 1*J303 + 1*J305 + 1*J320 +
1*J327

K96 * ~~K608~~ = 2*F34 + 1*F48 - 2*G98 + 1*G101 - 1*G112 + 1*G14 - 1*H101 +
1*H108 + 1*H114 + 1*H117 + 1*H120 - 2*H162 - 1*H176 + 1*H188 + 1*H218 -
1*J108 - 1*J114 - 1*J117 - 1*J120 + 1*J136 - 1*J142 + 1*J144 + 2*J163 +
1*J176 + 2*J181 + 2*J183 + 1*J187 - 1*J188 + 1*J201 + 1*J204 + 1*J209 -
1*J218 - 1*J229 + 2*J230 + 1*J270 - 2*J290 - 1*J304 + 1*J306 + 1*J321 +
1*J328

K97 * K609 = 2*F35 + 1*F49 - 2*G99 + 1*G102 - 1*G113 + 1*G15 - 1*H102 +
1*H109 + 1*H115 + 1*H118 + 1*H121 - 2*H163 - 1*H177 + 1*H189 + 1*H219 -
1*J109 - 1*J115 - 1*J118 - 1*J121 + 1*J137 - 1*J143 + 1*J145 + 2*J164 +
1*J177 + 2*J182 + 2*J184 + 1*J188 - 1*J189 + 1*J202 + 1*J205 + 1*J210 -
1*J219 - 1*J230 + 2*J231 + 1*J271 - 2*J291 - 1*J305 + 1*J307 + 1*J322 +
1*J329

K98 * K610 = 2*F36 + 1*F50 - 2*G100 + 1*G103 - 1*G114 + 1*G16 - 1*H103 +
1*H110 + 1*H116 + 1*H119 + 1*H122 - 2*H164 - 1*H178 + 1*H190 + 1*H220 -
1*J110 - 1*J116 - 1*J119 - 1*J122 + 1*J138 - 1*J144 + 1*J146 + 2*J165 +
1*J178 + 2*J183 + 2*J185 + 1*J189 - 1*J190 + 1*J203 + 1*J206 + 1*J211 -
1*J220 - 1*J231 + 2*J232 + 1*J272 - 2*J292 - 1*J306 + 1*J308 + 1*J323 +
1*J330

$$K99 * K611 = 2 * F37 + 1 * F51 - 2 * G101 + 1 * G104 - 1 * G115 + 1 * G17 - 1 * H104 + 1 * H111 + 1 * H117 + 1 * H120 + 1 * H123 - 2 * H165 - 1 * H179 + 1 * H191 + 1 * H221 - 1 * J111 - 1 * J117 - 1 * J120 - 1 * J123 + 1 * J139 - 1 * J145 + 1 * J147 + 2 * J166 + 1 * J179 + 2 * J184 + 2 * J186 + 1 * J190 - 1 * J191 + 1 * J204 + 1 * J207 + 1 * J212 - 1 * J221 - 1 * J232 + 2 * J233 + 1 * J273 - 2 * J293 - 1 * J307 + 1 * J309 + 1 * J324 + 1 * J331$$

$$~~K102~~ * K614 = 2 * F40 + 1 * F54 - 2 * G104 + 1 * G107 - 1 * G118 + 1 * G20 - 1 * H107 + 1 * H114 + 1 * H120 + 1 * H123 + 1 * H126 - 2 * H168 - 1 * H182 + 1 * H194 + 1 * H224 - 1 * J114 - 1 * J120 - 1 * J123 - 1 * J126 + 1 * J142 - 1 * J148 + 1 * J150 + 2 * J169 + 1 * J182 + 2 * J187 + 2 * J189 + 1 * J193 - 1 * J194 + 1 * J207 + 1 * J210 + 1 * J215 - 1 * J224 - 1 * J235 + 2 * J236 + 1 * J276 - 2 * J296 - 1 * J310 + 1 * J312 + 1 * J327 + 1 * J334$$

$$K103 * K615 = 2 * F41 + 1 * F55 - 2 * G105 + 1 * G108 - 1 * G119 + 1 * G21 - 1 * H108 + 1 * H115 + 1 * H121 + 1 * H124 + 1 * H127 - 2 * H169 - 1 * H183 + 1 * H195 + 1 * H225 - 1 * J115 - 1 * J121 - 1 * J124 - 1 * J127 + 1 * J143 - 1 * J149 + 1 * J151 + 2 * J170 + 1 * J183 + 2 * J188 + 2 * J190 + 1 * J194 - 1 * J195 + 1 * J208 + 1 * J211 + 1 * J216 - 1 * J225 - 1 * J236 + 2 * J237 + 1 * J277 - 2 * J297 - 1 * J311 + 1 * J313 + 1 * J328 + 1 * J335$$

$$K104 * K616 = 2 * F42 + 1 * F56 - 2 * G106 + 1 * G109 - 1 * G120 + 1 * G22 - 1 * H109 + 1 * H116 + 1 * H122 + 1 * H125 + 1 * H128 - 2 * H170 - 1 * H184 + 1 * H196 + 1 * H226 - 1 * J116 - 1 * J122 - 1 * J125 - 1 * J128 + 1 * J144 - 1 * J150 + 1 * J152 + 2 * J171 + 1 * J184 + 2 * J189 + 2 * J191 + 1 * J195 - 1 * J196 + 1 * J209 + 1 * J212 + 1 * J217 - 1 * J226 - 1 * J237 + 2 * J238 + 1 * J278 - 2 * J298 - 1 * J312 + 1 * J314 + 1 * J329 + 1 * J336$$

$$K105 * ~~K617~~ = 2 * F43 + 1 * F57 - 2 * G107 + 1 * G110 - 1 * G121 + 1 * G23 - 1 * H110 + 1 * H117 + 1 * H123 + 1 * H126 + 1 * H129 - 2 * H171 - 1 * H185 + 1 * H197 + 1 * H227 - 1 * J117 - 1 * J123 - 1 * J126 - 1 * J129 + 1 * J145 - 1 * J151 + 1 * J153 + 2 * J172 + 1 * J185 + 2 * J190 + 2 * J192 + 1 * J196 - 1 * J197 + 1 * J210 + 1 * J213 + 1 * J218 - 1 * J227 - 1 * J238 + 2 * J239 + 1 * J279 - 2 * J299 - 1 * J313 + 1 * J315 + 1 * J330 + 1 * J337$$

$$K108 * ~~K620~~ = 2 * F46 + 1 * F60 - 2 * G110 + 1 * G113 - 1 * G124 + 1 * G26 - 1 * H113 + 1 * H120 + 1 * H126 + 1 * H129 + 1 * H132 - 2 * H174 - 1 * H188 + 1 * H200 + 1 * H230 - 1 * J120 - 1 * J126 - 1 * J129 - 1 * J132 + 1 * J148 - 1 * J154 + 1 * J156 + 2 * J175 + 1 * J188 + 2 * J193 + 2 * J195 + 1 * J199 - 1 * J200 + 1 * J213 + 1 * J216 + 1 * J221 - 1 * J230 - 1 * J241 + 2 * J242 + 1 * J282 - 2 * J302 - 1 * J316 + 1 * J318 + 1 * J333 + 1 * J340$$

$$K109 * ~~K621~~ = 2 * F47 + 1 * F61 - 2 * G111 + 1 * G114 - 1 * G125 + 1 * G27 - 1 * H114 + 1 * H121 + 1 * H127 + 1 * H130 + 1 * H133 - 2 * H175 - 1 * H189 + 1 * H201 + 1 * H231 - 1 * J121 - 1 * J127 - 1 * J130 - 1 * J133 + 1 * J149 - 1 * J155 + 1 * J157 + 2 * J176 + 1 * J189 + 2 * J194 + 2 * J196 + 1 * J200 - 1 * J201 + 1 * J214 + 1 * J217 + 1 * J222 - 1 * J231 - 1 * J242 + 2 * J243 + 1 * J283 - 2 * J303 - 1 * J317 + 1 * J319 + 1 * J334 + 1 * J341$$

$$K110 * ~~K622~~ = 2 * F48 + 1 * F62 - 2 * G112 + 1 * G115 - 1 * G126 + 1 * G28 - 1 * H115 + 1 * H122 + 1 * H128 + 1 * H131 + 1 * H134 - 2 * H176 - 1 * H190 + 1 * H202 + 1 * H232 - 1 * J122 - 1 * J128 - 1 * J131 - 1 * J134 + 1 * J150 - 1 * J156 + 1 * J158 + 2 * J177 + 1 * J190 + 2 * J195 + 2 * J197 + 1 * J201 - 1 * J202 + 1 * J215 + 1 * J218 + 1 * J223 - 1 * J232 - 1 * J243 + 2 * J244 + 1 * J284 - 2 * J304 - 1 * J318 + 1 * J320 + 1 * J335 + 1 * J342$$

$$K111 * ~~K623~~ = 2 * F49 + 1 * F63 - 2 * G113 + 1 * G116 - 1 * G127 + 1 * G29 - 1 * H116 + 1 * H123 + 1 * H129 + 1 * H132 + 1 * H135 - 2 * H177 - 1 * H191 + 1 * H203 + 1 * H233 - 1 * J123 - 1 * J129 - 1 * J132 - 1 * J135 + 1 * J151 - 1 * J157 + 1 * J159 + 2 * J178 + 1 * J191 + 2 * J196 + 2 * J198 + 1 * J202 - 1 * J203 + 1 * J216 + 1 * J219 + 1 * J224 -$$

$$1*J233 - 1*J244 + 2*J245 + 1*J285 - 2*J305 - 1*J319 + 1*J321 + 1*J336 + 1*J343$$

$$K112 * K624 = 2*F50 + 1*F0 - 2*G114 + 1*G117 - 1*G0 + 1*G30 - 1*H117 + 1*H124 + 1*H130 + 1*H133 + 1*H136 - 2*H178 - 1*H192 + 1*H204 + 1*H234 - 1*J124 - 1*J130 - 1*J133 - 1*J136 + 1*J152 - 1*J158 + 1*J160 + 2*J179 + 1*J192 + 2*J197 + 2*J199 + 1*J203 - 1*J204 + 1*J217 + 1*J220 + 1*J225 - 1*J234 - 1*J245 + 2*J246 + 1*J286 - 2*J306 - 1*J320 + 1*J322 + 1*J337 + 1*J344$$

$$K113 * ~~K625~~ = 2*F51 + 1*F1 - 2*G115 + 1*G118 - 1*G1 + 1*G31 - 1*H118 + 1*H125 + 1*H131 + 1*H134 + 1*H137 - 2*H179 - 1*H193 + 1*H205 + 1*H235 - 1*J125 - 1*J131 - 1*J134 - 1*J137 + 1*J153 - 1*J159 + 1*J161 + 2*J180 + 1*J193 + 2*J198 + 2*J200 + 1*J204 - 1*J205 + 1*J218 + 1*J221 + 1*J226 - 1*J235 - 1*J246 + 2*J247 + 1*J287 - 2*J307 - 1*J321 + 1*J323 + 1*J338 + 1*J345$$

$$K114 * ~~K626~~ = 2*F52 + 1*F2 - 2*G116 + 1*G119 - 1*G2 + 1*G32 - 1*H119 + 1*H126 + 1*H132 + 1*H135 + 1*H138 - 2*H180 - 1*H194 + 1*H206 + 1*H236 - 1*J126 - 1*J132 - 1*J135 - 1*J138 + 1*J154 - 1*J160 + 1*J162 + 2*J181 + 1*J194 + 2*J199 + 2*J201 + 1*J205 - 1*J206 + 1*J219 + 1*J222 + 1*J227 - 1*J236 - 1*J247 + 2*J248 + 1*J288 - 2*J308 - 1*J322 + 1*J324 + 1*J339 + 1*J346$$

$$K115 * ~~K627~~ = 2*F53 + 1*F3 - 2*G117 + 1*G120 - 1*G3 + 1*G33 - 1*H120 + 1*H127 + 1*H133 + 1*H136 + 1*H139 - 2*H181 - 1*H195 + 1*H207 + 1*H237 - 1*J127 - 1*J133 - 1*J136 - 1*J139 + 1*J155 - 1*J161 + 1*J163 + 2*J182 + 1*J195 + 2*J200 + 2*J202 + 1*J206 - 1*J207 + 1*J220 + 1*J223 + 1*J228 - 1*J237 - 1*J248 + 2*J249 + 1*J289 - 2*J309 - 1*J323 + 1*J325 + 1*J340 + 1*J347$$

$$K116 * K628 = 2*F54 + 1*F4 - 2*G118 + 1*G121 - 1*G4 + 1*G34 - 1*H121 + 1*H128 + 1*H134 + 1*H137 + 1*H140 - 2*H182 - 1*H196 + 1*H208 + 1*H238 - 1*J128 - 1*J134 - 1*J137 - 1*J140 + 1*J156 - 1*J162 + 1*J164 + 2*J183 + 1*J196 + 2*J201 + 2*J203 + 1*J207 - 1*J208 + 1*J221 + 1*J224 + 1*J229 - 1*J238 - 1*J249 + 2*J250 + 1*J290 - 2*J310 - 1*J324 + 1*J326 + 1*J341 + 1*J348$$

$$K117 * K629 = 2*F55 + 1*F5 - 2*G119 + 1*G122 - 1*G5 + 1*G35 - 1*H122 + 1*H129 + 1*H135 + 1*H138 + 1*H141 - 2*H183 - 1*H197 + 1*H209 + 1*H239 - 1*J129 - 1*J135 - 1*J138 - 1*J141 + 1*J157 - 1*J163 + 1*J165 + 2*J184 + 1*J197 + 2*J202 + 2*J204 + 1*J208 - 1*J209 + 1*J222 + 1*J225 + 1*J230 - 1*J239 - 1*J250 + 2*J251 + 1*J291 - 2*J311 - 1*J325 + 1*J327 + 1*J342 + 1*J349$$

$$K118 * ~~K630~~ = 2*F56 + 1*F6 - 2*G120 + 1*G123 - 1*G6 + 1*G36 - 1*H123 + 1*H130 + 1*H136 + 1*H139 + 1*H142 - 2*H184 - 1*H198 + 1*H210 + 1*H240 - 1*J130 - 1*J136 - 1*J139 - 1*J142 + 1*J158 - 1*J164 + 1*J166 + 2*J185 + 1*J198 + 2*J203 + 2*J205 + 1*J209 - 1*J210 + 1*J223 + 1*J226 + 1*J231 - 1*J240 - 1*J251 + 2*J252 + 1*J292 - 2*J312 - 1*J326 + 1*J328 + 1*J343 + 1*J350$$

$$K119 * K631 = 2*F57 + 1*F7 - 2*G121 + 1*G124 - 1*G7 + 1*G37 - 1*H124 + 1*H131 + 1*H137 + 1*H140 + 1*H143 - 2*H185 - 1*H199 + 1*H211 + 1*H241 - 1*J131 - 1*J137 - 1*J140 - 1*J143 + 1*J159 - 1*J165 + 1*J167 + 2*J186 + 1*J199 + 2*J204 + 2*J206 + 1*J210 - 1*J211 + 1*J224 + 1*J227 + 1*J232 - 1*J241 - 1*J252 + 2*J253 + 1*J293 - 2*J313 - 1*J327 + 1*J329 + 1*J344 + 1*J351$$

$$\begin{aligned} K120 * \cancel{K632} &= 2 * F58 + 1 * F8 - 2 * G122 + 1 * G125 - 1 * G8 + 1 * G38 - 1 * H125 + \\ &1 * H132 + 1 * H138 + 1 * H141 + 1 * H144 - 2 * H186 - 1 * H200 + 1 * H212 + 1 * H242 - \\ &1 * J132 - 1 * J138 - 1 * J141 - 1 * J144 + 1 * J160 - 1 * J166 + 1 * J168 + 2 * J187 + \\ &1 * J200 + 2 * J205 + 2 * J207 + 1 * J211 - 1 * J212 + 1 * J225 + 1 * J228 + 1 * J233 - \\ &1 * J242 - 1 * J253 + 2 * J254 + 1 * J294 - 2 * J314 - 1 * J328 + 1 * J330 + 1 * J345 + \\ &1 * J352 \end{aligned}$$

$$\begin{aligned} \cancel{K121} * K633 &= 2 * F59 + 1 * F9 - 2 * G123 + 1 * G126 - 1 * G9 + 1 * G39 - 1 * H126 + \\ &1 * H133 + 1 * H139 + 1 * H142 + 1 * H145 - 2 * H187 - 1 * H201 + 1 * H213 + 1 * H243 - \\ &1 * J133 - 1 * J139 - 1 * J142 - 1 * J145 + 1 * J161 - 1 * J167 + 1 * J169 + 2 * J188 + \\ &1 * J201 + 2 * J206 + 2 * J208 + 1 * J212 - 1 * J213 + 1 * J226 + 1 * J229 + 1 * J234 - \\ &1 * J243 - 1 * J254 + 2 * J255 + 1 * J295 - 2 * J315 - 1 * J329 + 1 * J331 + 1 * J346 + \\ &1 * J353 \end{aligned}$$

$$\begin{aligned} \cancel{K122} * K634 &= 2 * F60 + 1 * F10 - 2 * G124 + 1 * G127 - 1 * G10 + 1 * G40 - 1 * H127 + \\ &1 * H134 + 1 * H140 + 1 * H143 + 1 * H146 - 2 * H188 - 1 * H202 + 1 * H214 + 1 * H244 - \\ &1 * J134 - 1 * J140 - 1 * J143 - 1 * J146 + 1 * J162 - 1 * J168 + 1 * J170 + 2 * J189 + \\ &1 * J202 + 2 * J207 + 2 * J209 + 1 * J213 - 1 * J214 + 1 * J227 + 1 * J230 + 1 * J235 - \\ &1 * J244 - 1 * J255 + 2 * J256 + 1 * J296 - 2 * J316 - 1 * J330 + 1 * J332 + 1 * J347 + \\ &1 * J354 \end{aligned}$$

$$\begin{aligned} K123 * \cancel{K635} &= 2 * F61 + 1 * F11 - 2 * G125 + 1 * G0 - 1 * G11 + 1 * G41 - 1 * H128 + \\ &1 * H135 + 1 * H141 + 1 * H144 + 1 * H147 - 2 * H189 - 1 * H203 + 1 * H215 + 1 * H245 - \\ &1 * J135 - 1 * J141 - 1 * J144 - 1 * J147 + 1 * J163 - 1 * J169 + 1 * J171 + 2 * J190 + \\ &1 * J203 + 2 * J208 + 2 * J210 + 1 * J214 - 1 * J215 + 1 * J228 + 1 * J231 + 1 * J236 - \\ &1 * J245 - 1 * J256 + 2 * J257 + 1 * J297 - 2 * J317 - 1 * J331 + 1 * J333 + 1 * J348 + \\ &1 * J355 \end{aligned}$$

$$\begin{aligned} K124 * \cancel{K636} &= 2 * F62 + 1 * F12 - 2 * G126 + 1 * G1 - 1 * G12 + 1 * G42 - 1 * H129 + \\ &1 * H136 + 1 * H142 + 1 * H145 + 1 * H148 - 2 * H190 - 1 * H204 + 1 * H216 + 1 * H246 - \\ &1 * J136 - 1 * J142 - 1 * J145 - 1 * J148 + 1 * J164 - 1 * J170 + 1 * J172 + 2 * J191 + \\ &1 * J204 + 2 * J209 + 2 * J211 + 1 * J215 - 1 * J216 + 1 * J229 + 1 * J232 + 1 * J237 - \\ &1 * J246 - 1 * J257 + 2 * J258 + 1 * J298 - 2 * J318 - 1 * J332 + 1 * J334 + 1 * J349 + \\ &1 * J356 \end{aligned}$$

$$\begin{aligned} K125 * \cancel{K637} &= 2 * F63 + 1 * F13 - 2 * G127 + 1 * G2 - 1 * G13 + 1 * G43 - 1 * H130 + \\ &1 * H137 + 1 * H143 + 1 * H146 + 1 * H149 - 2 * H191 - 1 * H205 + 1 * H217 + 1 * H247 - \\ &1 * J137 - 1 * J143 - 1 * J146 - 1 * J149 + 1 * J165 - 1 * J171 + 1 * J173 + 2 * J192 + \\ &1 * J205 + 2 * J210 + 2 * J212 + 1 * J216 - 1 * J217 + 1 * J230 + 1 * J233 + 1 * J238 - \\ &1 * J247 - 1 * J258 + 2 * J259 + 1 * J299 - 2 * J319 - 1 * J333 + 1 * J335 + 1 * J350 + \\ &1 * J357 \end{aligned}$$

$$\begin{aligned} \cancel{K126} * K638 &= 2 * F0 + 1 * F14 - 2 * G0 + 1 * G3 - 1 * G14 + 1 * G44 - 1 * H131 + \\ &1 * H138 + 1 * H144 + 1 * H147 + 1 * H150 - 2 * H192 - 1 * H206 + 1 * H218 + 1 * H248 - \\ &1 * J138 - 1 * J144 - 1 * J147 - 1 * J150 + 1 * J166 - 1 * J172 + 1 * J174 + 2 * J193 + \\ &1 * J206 + 2 * J211 + 2 * J213 + 1 * J217 - 1 * J218 + 1 * J231 + 1 * J234 + 1 * J239 - \\ &1 * J248 - 1 * J259 + 2 * J260 + 1 * J300 - 2 * J320 - 1 * J334 + 1 * J336 + 1 * J351 + \\ &1 * J358 \end{aligned}$$

$$\begin{aligned} K127 * K639 &= 2 * F1 + 1 * F15 - 2 * G1 + 1 * G4 - 1 * G15 + 1 * G45 - 1 * H132 + \\ &1 * H139 + 1 * H145 + 1 * H148 + 1 * H151 - 2 * H193 - 1 * H207 + 1 * H219 + 1 * H249 - \\ &1 * J139 - 1 * J145 - 1 * J148 - 1 * J151 + 1 * J167 - 1 * J173 + 1 * J175 + 2 * J194 + \\ &1 * J207 + 2 * J212 + 2 * J214 + 1 * J218 - 1 * J219 + 1 * J232 + 1 * J235 + 1 * J240 - \\ &1 * J249 - 1 * J260 + 2 * J261 + 1 * J301 - 2 * J321 - 1 * J335 + 1 * J337 + 1 * J352 + \\ &1 * J359 \end{aligned}$$

$$\begin{aligned} K128 * K640 &= 2 * F2 + 1 * F16 - 2 * G2 + 1 * G5 - 1 * G16 + 1 * G46 - 1 * H133 + \\ &1 * H140 + 1 * H146 + 1 * H149 + 1 * H152 - 2 * H194 - 1 * H208 + 1 * H220 + 1 * H250 - \\ &1 * J140 - 1 * J146 - 1 * J149 - 1 * J152 + 1 * J168 - 1 * J174 + 1 * J176 + 2 * J195 + \\ &1 * J208 + 2 * J213 + 2 * J215 + 1 * J219 - 1 * J220 + 1 * J233 + 1 * J236 + 1 * J241 - \end{aligned}$$

$$1*J250 - 1*J261 + 2*J262 + 1*J302 - 2*J322 - 1*J336 + 1*J338 + 1*J353 + 1*J360$$

$$K129 * K641 = 2*F3 + 1*F17 - 2*G3 + 1*G6 - 1*G17 + 1*G47 - 1*H134 + 1*H141 + 1*H147 + 1*H150 + 1*H153 - 2*H195 - 1*H209 + 1*H221 + 1*H251 - 1*J141 - 1*J147 - 1*J150 - 1*J153 + 1*J169 - 1*J175 + 1*J177 + 2*J196 + 1*J209 + 2*J214 + 2*J216 + 1*J220 - 1*J221 + 1*J234 + 1*J237 + 1*J242 - 1*J251 - 1*J262 + 2*J263 + 1*J303 - 2*J323 - 1*J337 + 1*J339 + 1*J354 + 1*J361$$

$$K130 * K642 = 2*F4 + 1*F18 - 2*G4 + 1*G7 - 1*G18 + 1*G48 - 1*H135 + 1*H142 + 1*H148 + 1*H151 + 1*H154 - 2*H196 - 1*H210 + 1*H222 + 1*H252 - 1*J142 - 1*J148 - 1*J151 - 1*J154 + 1*J170 - 1*J176 + 1*J178 + 2*J197 + 1*J210 + 2*J215 + 2*J217 + 1*J221 - 1*J222 + 1*J235 + 1*J238 + 1*J243 - 1*J252 - 1*J263 + 2*J264 + 1*J304 - 2*J324 - 1*J338 + 1*J340 + 1*J355 + 1*J362$$

$$K131 * K643 = 2*F5 + 1*F19 - 2*G5 + 1*G8 - 1*G19 + 1*G49 - 1*H136 + 1*H143 + 1*H149 + 1*H152 + 1*H155 - 2*H197 - 1*H211 + 1*H223 + 1*H253 - 1*J143 - 1*J149 - 1*J152 - 1*J155 + 1*J171 - 1*J177 + 1*J179 + 2*J198 + 1*J211 + 2*J216 + 2*J218 + 1*J222 - 1*J223 + 1*J236 + 1*J239 + 1*J244 - 1*J253 - 1*J264 + 2*J265 + 1*J305 - 2*J325 - 1*J339 + 1*J341 + 1*J356 + 1*J363$$

$$K132 * K644 = 2*F6 + 1*F20 - 2*G6 + 1*G9 - 1*G20 + 1*G50 - 1*H137 + 1*H144 + 1*H150 + 1*H153 + 1*H156 - 2*H198 - 1*H212 + 1*H224 + 1*H254 - 1*J144 - 1*J150 - 1*J153 - 1*J156 + 1*J172 - 1*J178 + 1*J180 + 2*J199 + 1*J212 + 2*J217 + 2*J219 + 1*J223 - 1*J224 + 1*J237 + 1*J240 + 1*J245 - 1*J254 - 1*J265 + 2*J266 + 1*J306 - 2*J326 - 1*J340 + 1*J342 + 1*J357 + 1*J364$$

$$K133 * ~~K645~~ = 2*F7 + 1*F21 - 2*G7 + 1*G10 - 1*G21 + 1*G51 - 1*H138 + 1*H145 + 1*H151 + 1*H154 + 1*H157 - 2*H199 - 1*H213 + 1*H225 + 1*H255 - 1*J145 - 1*J151 - 1*J154 - 1*J157 + 1*J173 - 1*J179 + 1*J181 + 2*J200 + 1*J213 + 2*J218 + 2*J220 + 1*J224 - 1*J225 + 1*J238 + 1*J241 + 1*J246 - 1*J255 - 1*J266 + 2*J267 + 1*J307 - 2*J327 - 1*J341 + 1*J343 + 1*J358 + 1*J365$$

$$K134 * K646 = 2*F8 + 1*F22 - 2*G8 + 1*G11 - 1*G22 + 1*G52 - 1*H139 + 1*H146 + 1*H152 + 1*H155 + 1*H158 - 2*H200 - 1*H214 + 1*H226 + 1*H0 - 1*J146 - 1*J152 - 1*J155 - 1*J158 + 1*J174 - 1*J180 + 1*J182 + 2*J201 + 1*J214 + 2*J219 + 2*J221 + 1*J225 - 1*J226 + 1*J239 + 1*J242 + 1*J247 - 1*J256 - 1*J267 + 2*J268 + 1*J308 - 2*J328 - 1*J342 + 1*J344 + 1*J359 + 1*J366$$

$$K135 * ~~K647~~ = 2*F9 + 1*F23 - 2*G9 + 1*G12 - 1*G23 + 1*G53 - 1*H140 + 1*H147 + 1*H153 + 1*H156 + 1*H159 - 2*H201 - 1*H215 + 1*H227 + 1*H1 - 1*J147 - 1*J153 - 1*J156 - 1*J159 + 1*J175 - 1*J181 + 1*J183 + 2*J202 + 1*J215 + 2*J220 + 2*J222 + 1*J226 - 1*J227 + 1*J240 + 1*J243 + 1*J248 - 1*J257 - 1*J268 + 2*J269 + 1*J309 - 2*J329 - 1*J343 + 1*J345 + 1*J360 + 1*J367$$

$$K136 * ~~K648~~ = 2*F10 + 1*F24 - 2*G10 + 1*G13 - 1*G24 + 1*G54 - 1*H141 + 1*H148 + 1*H154 + 1*H157 + 1*H160 - 2*H202 - 1*H216 + 1*H228 + 1*H2 - 1*J148 - 1*J154 - 1*J157 - 1*J160 + 1*J176 - 1*J182 + 1*J184 + 2*J203 + 1*J216 + 2*J221 + 2*J223 + 1*J227 - 1*J228 + 1*J241 + 1*J244 + 1*J249 - 1*J258 - 1*J269 + 2*J270 + 1*J310 - 2*J330 - 1*J344 + 1*J346 + 1*J361 + 1*J368$$

$$\begin{aligned} K137 * \cancel{K649} = & 2 * F11 + 1 * F25 - 2 * G11 + 1 * G14 - 1 * G25 + 1 * G55 - 1 * H142 + \\ & 1 * H149 + 1 * H155 + 1 * H158 + 1 * H161 - 2 * H203 - 1 * H217 + 1 * H229 + 1 * H3 - \\ & 1 * J149 - 1 * J155 - 1 * J158 - 1 * J161 + 1 * J177 - 1 * J183 + 1 * J185 + 2 * J204 + \\ & 1 * J217 + 2 * J222 + 2 * J224 + 1 * J228 - 1 * J229 + 1 * J242 + 1 * J245 + 1 * J250 - \\ & 1 * J259 - 1 * J270 + 2 * J271 + 1 * J311 - 2 * J331 - 1 * J345 + 1 * J347 + 1 * J362 + \\ & 1 * J369 \end{aligned}$$

$$\begin{aligned} K138 * \cancel{K650} = & 2 * F12 + 1 * F26 - 2 * G12 + 1 * G15 - 1 * G26 + 1 * G56 - 1 * H143 + \\ & 1 * H150 + 1 * H156 + 1 * H159 + 1 * H162 - 2 * H204 - 1 * H218 + 1 * H230 + 1 * H4 - \\ & 1 * J150 - 1 * J156 - 1 * J159 - 1 * J162 + 1 * J178 - 1 * J184 + 1 * J186 + 2 * J205 + \\ & 1 * J218 + 2 * J223 + 2 * J225 + 1 * J229 - 1 * J230 + 1 * J243 + 1 * J246 + 1 * J251 - \\ & 1 * J260 - 1 * J271 + 2 * J272 + 1 * J312 - 2 * J332 - 1 * J346 + 1 * J348 + 1 * J363 + \\ & 1 * J370 \end{aligned}$$

$$\begin{aligned} \cancel{K139} * K651 = & 2 * F13 + 1 * F27 - 2 * G13 + 1 * G16 - 1 * G27 + 1 * G57 - 1 * H144 + \\ & 1 * H151 + 1 * H157 + 1 * H160 + 1 * H163 - 2 * H205 - 1 * H219 + 1 * H231 + 1 * H5 - \\ & 1 * J151 - 1 * J157 - 1 * J160 - 1 * J163 + 1 * J179 - 1 * J185 + 1 * J187 + 2 * J206 + \\ & 1 * J219 + 2 * J224 + 2 * J226 + 1 * J230 - 1 * J231 + 1 * J244 + 1 * J247 + 1 * J252 - \\ & 1 * J261 - 1 * J272 + 2 * J273 + 1 * J313 - 2 * J333 - 1 * J347 + 1 * J349 + 1 * J364 + \\ & 1 * J371 \end{aligned}$$

$$\begin{aligned} \cancel{K141} * K653 = & 2 * F15 + 1 * F29 - 2 * G15 + 1 * G18 - 1 * G29 + 1 * G59 - 1 * H146 + \\ & 1 * H153 + 1 * H159 + 1 * H162 + 1 * H165 - 2 * H207 - 1 * H221 + 1 * H233 + 1 * H7 - \\ & 1 * J153 - 1 * J159 - 1 * J162 - 1 * J165 + 1 * J181 - 1 * J187 + 1 * J189 + 2 * J208 + \\ & 1 * J221 + 2 * J226 + 2 * J228 + 1 * J232 - 1 * J233 + 1 * J246 + 1 * J249 + 1 * J254 - \\ & 1 * J263 - 1 * J274 + 2 * J275 + 1 * J315 - 2 * J335 - 1 * J349 + 1 * J351 + 1 * J366 + \\ & 1 * J373 \end{aligned}$$

$$\begin{aligned} K142 * \cancel{K654} = & 2 * F16 + 1 * F30 - 2 * G16 + 1 * G19 - 1 * G30 + 1 * G60 - 1 * H147 + \\ & 1 * H154 + 1 * H160 + 1 * H163 + 1 * H166 - 2 * H208 - 1 * H222 + 1 * H234 + 1 * H8 - \\ & 1 * J154 - 1 * J160 - 1 * J163 - 1 * J166 + 1 * J182 - 1 * J188 + 1 * J190 + 2 * J209 + \\ & 1 * J222 + 2 * J227 + 2 * J229 + 1 * J233 - 1 * J234 + 1 * J247 + 1 * J250 + 1 * J255 - \\ & 1 * J264 - 1 * J275 + 2 * J276 + 1 * J316 - 2 * J336 - 1 * J350 + 1 * J352 + 1 * J367 + \\ & 1 * J374 \end{aligned}$$

$$\begin{aligned} K143 * \cancel{K655} = & 2 * F17 + 1 * F31 - 2 * G17 + 1 * G20 - 1 * G31 + 1 * G61 - 1 * H148 + \\ & 1 * H155 + 1 * H161 + 1 * H164 + 1 * H167 - 2 * H209 - 1 * H223 + 1 * H235 + 1 * H9 - \\ & 1 * J155 - 1 * J161 - 1 * J164 - 1 * J167 + 1 * J183 - 1 * J189 + 1 * J191 + 2 * J210 + \\ & 1 * J223 + 2 * J228 + 2 * J230 + 1 * J234 - 1 * J235 + 1 * J248 + 1 * J251 + 1 * J256 - \\ & 1 * J265 - 1 * J276 + 2 * J277 + 1 * J317 - 2 * J337 - 1 * J351 + 1 * J353 + 1 * J368 + \\ & 1 * J375 \end{aligned}$$

$$\begin{aligned} K144 * \cancel{K656} = & 2 * F18 + 1 * F32 - 2 * G18 + 1 * G21 - 1 * G32 + 1 * G62 - 1 * H149 + \\ & 1 * H156 + 1 * H162 + 1 * H165 + 1 * H168 - 2 * H210 - 1 * H224 + 1 * H236 + 1 * H10 - \\ & 1 * J156 - 1 * J162 - 1 * J165 - 1 * J168 + 1 * J184 - 1 * J190 + 1 * J192 + 2 * J211 + \\ & 1 * J224 + 2 * J229 + 2 * J231 + 1 * J235 - 1 * J236 + 1 * J249 + 1 * J252 + 1 * J257 - \\ & 1 * J266 - 1 * J277 + 2 * J278 + 1 * J318 - 2 * J338 - 1 * J352 + 1 * J354 + 1 * J369 + \\ & 1 * J376 \end{aligned}$$

$$\begin{aligned} K145 * K657 = & 2 * F19 + 1 * F33 - 2 * G19 + 1 * G22 - 1 * G33 + 1 * G63 - 1 * H150 + \\ & 1 * H157 + 1 * H163 + 1 * H166 + 1 * H169 - 2 * H211 - 1 * H225 + 1 * H237 + 1 * H11 - \\ & 1 * J157 - 1 * J163 - 1 * J166 - 1 * J169 + 1 * J185 - 1 * J191 + 1 * J193 + 2 * J212 + \\ & 1 * J225 + 2 * J230 + 2 * J232 + 1 * J236 - 1 * J237 + 1 * J250 + 1 * J253 + 1 * J258 - \\ & 1 * J267 - 1 * J278 + 2 * J279 + 1 * J319 - 2 * J339 - 1 * J353 + 1 * J355 + 1 * J370 + \\ & 1 * J377 \end{aligned}$$

$$\begin{aligned} K146 * \cancel{K658} = & 2 * F20 + 1 * F34 - 2 * G20 + 1 * G23 - 1 * G34 + 1 * G64 - 1 * H151 + \\ & 1 * H158 + 1 * H164 + 1 * H167 + 1 * H170 - 2 * H212 - 1 * H226 + 1 * H238 + 1 * H12 - \\ & 1 * J158 - 1 * J164 - 1 * J167 - 1 * J170 + 1 * J186 - 1 * J192 + 1 * J194 + 2 * J213 + \\ & 1 * J226 + 2 * J231 + 2 * J233 + 1 * J237 - 1 * J238 + 1 * J251 + 1 * J254 + 1 * J259 - \end{aligned}$$

$$1*J268 - 1*J279 + 2*J280 + 1*J320 - 2*J340 - 1*J354 + 1*J356 + 1*J371 + 1*J378$$

$$K147 * K659 = 2*F21 + 1*F35 - 2*G21 + 1*G24 - 1*G35 + 1*G65 - 1*H152 + 1*H159 + 1*H165 + 1*H168 + 1*H171 - 2*H213 - 1*H227 + 1*H239 + 1*H13 - 1*J159 - 1*J165 - 1*J168 - 1*J171 + 1*J187 - 1*J193 + 1*J195 + 2*J214 + 1*J227 + 2*J232 + 2*J234 + 1*J238 - 1*J239 + 1*J252 + 1*J255 + 1*J260 - 1*J269 - 1*J280 + 2*J281 + 1*J321 - 2*J341 - 1*J355 + 1*J357 + 1*J372 + 1*J379$$

$$K148 * K660 = 2*F22 + 1*F36 - 2*G22 + 1*G25 - 1*G36 + 1*G66 - 1*H153 + 1*H160 + 1*H166 + 1*H169 + 1*H172 - 2*H214 - 1*H228 + 1*H240 + 1*H14 - 1*J160 - 1*J166 - 1*J169 - 1*J172 + 1*J188 - 1*J194 + 1*J196 + 2*J215 + 1*J228 + 2*J233 + 2*J235 + 1*J239 - 1*J240 + 1*J253 + 1*J256 + 1*J261 - 1*J270 - 1*J281 + 2*J282 + 1*J322 - 2*J342 - 1*J356 + 1*J358 + 1*J373 + 1*J380$$

$$K149 * K661 = 2*F23 + 1*F37 - 2*G23 + 1*G26 - 1*G37 + 1*G67 - 1*H154 + 1*H161 + 1*H167 + 1*H170 + 1*H173 - 2*H215 - 1*H229 + 1*H241 + 1*H15 - 1*J161 - 1*J167 - 1*J170 - 1*J173 + 1*J189 - 1*J195 + 1*J197 + 2*J216 + 1*J229 + 2*J234 + 2*J236 + 1*J240 - 1*J241 + 1*J254 + 1*J257 + 1*J262 - 1*J271 - 1*J282 + 2*J283 + 1*J323 - 2*J343 - 1*J357 + 1*J359 + 1*J374 + 1*J381$$

$$K150 * K662 = 2*F24 + 1*F38 - 2*G24 + 1*G27 - 1*G38 + 1*G68 - 1*H155 + 1*H162 + 1*H168 + 1*H171 + 1*H174 - 2*H216 - 1*H230 + 1*H242 + 1*H16 - 1*J162 - 1*J168 - 1*J171 - 1*J174 + 1*J190 - 1*J196 + 1*J198 + 2*J217 + 1*J230 + 2*J235 + 2*J237 + 1*J241 - 1*J242 + 1*J255 + 1*J258 + 1*J263 - 1*J272 - 1*J283 + 2*J284 + 1*J324 - 2*J344 - 1*J358 + 1*J360 + 1*J375 + 1*J382$$

$$K151 * K663 = 2*F25 + 1*F39 - 2*G25 + 1*G28 - 1*G39 + 1*G69 - 1*H156 + 1*H163 + 1*H169 + 1*H172 + 1*H175 - 2*H217 - 1*H231 + 1*H243 + 1*H17 - 1*J163 - 1*J169 - 1*J172 - 1*J175 + 1*J191 - 1*J197 + 1*J199 + 2*J218 + 1*J231 + 2*J236 + 2*J238 + 1*J242 - 1*J243 + 1*J256 + 1*J259 + 1*J264 - 1*J273 - 1*J284 + 2*J285 + 1*J325 - 2*J345 - 1*J359 + 1*J361 + 1*J376 + 1*J383$$

$$K152 * K664 = 2*F26 + 1*F40 - 2*G26 + 1*G29 - 1*G40 + 1*G70 - 1*H157 + 1*H164 + 1*H170 + 1*H173 + 1*H176 - 2*H218 - 1*H232 + 1*H244 + 1*H18 - 1*J164 - 1*J170 - 1*J173 - 1*J176 + 1*J192 - 1*J198 + 1*J200 + 2*J219 + 1*J232 + 2*J237 + 2*J239 + 1*J243 - 1*J244 + 1*J257 + 1*J260 + 1*J265 - 1*J274 - 1*J285 + 2*J286 + 1*J326 - 2*J346 - 1*J360 + 1*J362 + 1*J377 + 1*J384$$

$$K153 * ~~K665~~ = 2*F27 + 1*F41 - 2*G27 + 1*G30 - 1*G41 + 1*G71 - 1*H158 + 1*H165 + 1*H171 + 1*H174 + 1*H177 - 2*H219 - 1*H233 + 1*H245 + 1*H19 - 1*J165 - 1*J171 - 1*J174 - 1*J177 + 1*J193 - 1*J199 + 1*J201 + 2*J220 + 1*J233 + 2*J238 + 2*J240 + 1*J244 - 1*J245 + 1*J258 + 1*J261 + 1*J266 - 1*J275 - 1*J286 + 2*J287 + 1*J327 - 2*J347 - 1*J361 + 1*J363 + 1*J378 + 1*J385$$

$$K154 * ~~K666~~ = 2*F28 + 1*F42 - 2*G28 + 1*G31 - 1*G42 + 1*G72 - 1*H159 + 1*H166 + 1*H172 + 1*H175 + 1*H178 - 2*H220 - 1*H234 + 1*H246 + 1*H20 - 1*J166 - 1*J172 - 1*J175 - 1*J178 + 1*J194 - 1*J200 + 1*J202 + 2*J221 + 1*J234 + 2*J239 + 2*J241 + 1*J245 - 1*J246 + 1*J259 + 1*J262 + 1*J267 - 1*J276 - 1*J287 + 2*J288 + 1*J328 - 2*J348 - 1*J362 + 1*J364 + 1*J379 + 1*J386$$

$$\begin{aligned} K155 * \cancel{K667} = & 2 * F29 + 1 * F43 - 2 * G29 + 1 * G32 - 1 * G43 + 1 * G73 - 1 * H160 + \\ & 1 * H167 + 1 * H173 + 1 * H176 + 1 * H179 - 2 * H221 - 1 * H235 + 1 * H247 + 1 * H21 - \\ & 1 * J167 - 1 * J173 - 1 * J176 - 1 * J179 + 1 * J195 - 1 * J201 + 1 * J203 + 2 * J222 + \\ & 1 * J235 + 2 * J240 + 2 * J242 + 1 * J246 - 1 * J247 + 1 * J260 + 1 * J263 + 1 * J268 - \\ & 1 * J277 - 1 * J288 + 2 * J289 + 1 * J329 - 2 * J349 - 1 * J363 + 1 * J365 + 1 * J380 + \\ & 1 * J387 \end{aligned}$$

$$\begin{aligned} K156 * \cancel{K668} = & 2 * F30 + 1 * F44 - 2 * G30 + 1 * G33 - 1 * G44 + 1 * G74 - 1 * H161 + \\ & 1 * H168 + 1 * H174 + 1 * H177 + 1 * H180 - 2 * H222 - 1 * H236 + 1 * H248 + 1 * H22 - \\ & 1 * J168 - 1 * J174 - 1 * J177 - 1 * J180 + 1 * J196 - 1 * J202 + 1 * J204 + 2 * J223 + \\ & 1 * J236 + 2 * J241 + 2 * J243 + 1 * J247 - 1 * J248 + 1 * J261 + 1 * J264 + 1 * J269 - \\ & 1 * J278 - 1 * J289 + 2 * J290 + 1 * J330 - 2 * J350 - 1 * J364 + 1 * J366 + 1 * J381 + \\ & 1 * J388 \end{aligned}$$

$$\begin{aligned} K157 * K669 = & 2 * F31 + 1 * F45 - 2 * G31 + 1 * G34 - 1 * G45 + 1 * G75 - 1 * H162 + \\ & 1 * H169 + 1 * H175 + 1 * H178 + 1 * H181 - 2 * H223 - 1 * H237 + 1 * H249 + 1 * H23 - \\ & 1 * J169 - 1 * J175 - 1 * J178 - 1 * J181 + 1 * J197 - 1 * J203 + 1 * J205 + 2 * J224 + \\ & 1 * J237 + 2 * J242 + 2 * J244 + 1 * J248 - 1 * J249 + 1 * J262 + 1 * J265 + 1 * J270 - \\ & 1 * J279 - 1 * J290 + 2 * J291 + 1 * J331 - 2 * J351 - 1 * J365 + 1 * J367 + 1 * J382 + \\ & 1 * J389 \end{aligned}$$

$$\begin{aligned} K159 * K671 = & 2 * F33 + 1 * F47 - 2 * G33 + 1 * G36 - 1 * G47 + 1 * G77 - 1 * H164 + \\ & 1 * H171 + 1 * H177 + 1 * H180 + 1 * H183 - 2 * H225 - 1 * H239 + 1 * H251 + 1 * H25 - \\ & 1 * J171 - 1 * J177 - 1 * J180 - 1 * J183 + 1 * J199 - 1 * J205 + 1 * J207 + 2 * J226 + \\ & 1 * J239 + 2 * J244 + 2 * J246 + 1 * J250 - 1 * J251 + 1 * J264 + 1 * J267 + 1 * J272 - \\ & 1 * J281 - 1 * J292 + 2 * J293 + 1 * J333 - 2 * J353 - 1 * J367 + 1 * J369 + 1 * J384 + \\ & 1 * J391 \end{aligned}$$

$$\begin{aligned} K160 * K672 = & 2 * F34 + 1 * F48 - 2 * G34 + 1 * G37 - 1 * G48 + 1 * G78 - 1 * H165 + \\ & 1 * H172 + 1 * H178 + 1 * H181 + 1 * H184 - 2 * H226 - 1 * H240 + 1 * H252 + 1 * H26 - \\ & 1 * J172 - 1 * J178 - 1 * J181 - 1 * J184 + 1 * J200 - 1 * J206 + 1 * J208 + 2 * J227 + \\ & 1 * J240 + 2 * J245 + 2 * J247 + 1 * J251 - 1 * J252 + 1 * J265 + 1 * J268 + 1 * J273 - \\ & 1 * J282 - 1 * J293 + 2 * J294 + 1 * J334 - 2 * J354 - 1 * J368 + 1 * J370 + 1 * J385 + \\ & 1 * J392 \end{aligned}$$

$$\begin{aligned} K161 * K673 = & 2 * F35 + 1 * F49 - 2 * G35 + 1 * G38 - 1 * G49 + 1 * G79 - 1 * H166 + \\ & 1 * H173 + 1 * H179 + 1 * H182 + 1 * H185 - 2 * H227 - 1 * H241 + 1 * H253 + 1 * H27 - \\ & 1 * J173 - 1 * J179 - 1 * J182 - 1 * J185 + 1 * J201 - 1 * J207 + 1 * J209 + 2 * J228 + \\ & 1 * J241 + 2 * J246 + 2 * J248 + 1 * J252 - 1 * J253 + 1 * J266 + 1 * J269 + 1 * J274 - \\ & 1 * J283 - 1 * J294 + 2 * J295 + 1 * J335 - 2 * J355 - 1 * J369 + 1 * J371 + 1 * J386 + \\ & 1 * J393 \end{aligned}$$

$$\begin{aligned} K162 * K674 = & 2 * F36 + 1 * F50 - 2 * G36 + 1 * G39 - 1 * G50 + 1 * G80 - 1 * H167 + \\ & 1 * H174 + 1 * H180 + 1 * H183 + 1 * H186 - 2 * H228 - 1 * H242 + 1 * H254 + 1 * H28 - \\ & 1 * J174 - 1 * J180 - 1 * J183 - 1 * J186 + 1 * J202 - 1 * J208 + 1 * J210 + 2 * J229 + \\ & 1 * J242 + 2 * J247 + 2 * J249 + 1 * J253 - 1 * J254 + 1 * J267 + 1 * J270 + 1 * J275 - \\ & 1 * J284 - 1 * J295 + 2 * J296 + 1 * J336 - 2 * J356 - 1 * J370 + 1 * J372 + 1 * J387 + \\ & 1 * J394 \end{aligned}$$

$$\begin{aligned} \cancel{K163} * K675 = & 2 * F37 + 1 * F51 - 2 * G37 + 1 * G40 - 1 * G51 + 1 * G81 - 1 * H168 + \\ & 1 * H175 + 1 * H181 + 1 * H184 + 1 * H187 - 2 * H229 - 1 * H243 + 1 * H255 + 1 * H29 - \\ & 1 * J175 - 1 * J181 - 1 * J184 - 1 * J187 + 1 * J203 - 1 * J209 + 1 * J211 + 2 * J230 + \\ & 1 * J243 + 2 * J248 + 2 * J250 + 1 * J254 - 1 * J255 + 1 * J268 + 1 * J271 + 1 * J276 - \\ & 1 * J285 - 1 * J296 + 2 * J297 + 1 * J337 - 2 * J357 - 1 * J371 + 1 * J373 + 1 * J388 + \\ & 1 * J395 \end{aligned}$$

$$\begin{aligned} K164 * K676 = & 2 * F38 + 1 * F52 - 2 * G38 + 1 * G41 - 1 * G52 + 1 * G82 - 1 * H169 + \\ & 1 * H176 + 1 * H182 + 1 * H185 + 1 * H188 - 2 * H230 - 1 * H244 + 1 * H0 + 1 * H30 - \\ & 1 * J176 - 1 * J182 - 1 * J185 - 1 * J188 + 1 * J204 - 1 * J210 + 1 * J212 + 2 * J231 + \\ & 1 * J244 + 2 * J249 + 2 * J251 + 1 * J255 - 1 * J256 + 1 * J269 + 1 * J272 + 1 * J277 - \end{aligned}$$

$$1*J286 - 1*J297 + 2*J298 + 1*J338 - 2*J358 - 1*J372 + 1*J374 + 1*J389 + 1*J396$$

$$K165 * \cancel{K677} = 2*F39 + 1*F53 - 2*G39 + 1*G42 - 1*G53 + 1*G83 - 1*H170 + 1*H177 + 1*H183 + 1*H186 + 1*H189 - 2*H231 - 1*H245 + 1*H1 + 1*H31 - 1*J177 - 1*J183 - 1*J186 - 1*J189 + 1*J205 - 1*J211 + 1*J213 + 2*J232 + 1*J245 + 2*J250 + 2*J252 + 1*J256 - 1*J257 + 1*J270 + 1*J273 + 1*J278 - 1*J287 - 1*J298 + 2*J299 + 1*J339 - 2*J359 - 1*J373 + 1*J375 + 1*J390 + 1*J397$$

$$K166 * \cancel{K678} = 2*F40 + 1*F54 - 2*G40 + 1*G43 - 1*G54 + 1*G84 - 1*H171 + 1*H178 + 1*H184 + 1*H187 + 1*H190 - 2*H232 - 1*H246 + 1*H2 + 1*H32 - 1*J178 - 1*J184 - 1*J187 - 1*J190 + 1*J206 - 1*J212 + 1*J214 + 2*J233 + 1*J246 + 2*J251 + 2*J253 + 1*J257 - 1*J258 + 1*J271 + 1*J274 + 1*J279 - 1*J288 - 1*J299 + 2*J300 + 1*J340 - 2*J360 - 1*J374 + 1*J376 + 1*J391 + 1*J398$$

$$K167 * K679 = 2*F41 + 1*F55 - 2*G41 + 1*G44 - 1*G55 + 1*G85 - 1*H172 + 1*H179 + 1*H185 + 1*H188 + 1*H191 - 2*H233 - 1*H247 + 1*H3 + 1*H33 - 1*J179 - 1*J185 - 1*J188 - 1*J191 + 1*J207 - 1*J213 + 1*J215 + 2*J234 + 1*J247 + 2*J252 + 2*J254 + 1*J258 - 1*J259 + 1*J272 + 1*J275 + 1*J280 - 1*J289 - 1*J300 + 2*J301 + 1*J341 - 2*J361 - 1*J375 + 1*J377 + 1*J392 + 1*J399$$

$$K168 * K680 = 2*F42 + 1*F56 - 2*G42 + 1*G45 - 1*G56 + 1*G86 - 1*H173 + 1*H180 + 1*H186 + 1*H189 + 1*H192 - 2*H234 - 1*H248 + 1*H4 + 1*H34 - 1*J180 - 1*J186 - 1*J189 - 1*J192 + 1*J208 - 1*J214 + 1*J216 + 2*J235 + 1*J248 + 2*J253 + 2*J255 + 1*J259 - 1*J260 + 1*J273 + 1*J276 + 1*J281 - 1*J290 - 1*J301 + 2*J302 + 1*J342 - 2*J362 - 1*J376 + 1*J378 + 1*J393 + 1*J400$$

$$K169 * \cancel{K681} = 2*F43 + 1*F57 - 2*G43 + 1*G46 - 1*G57 + 1*G87 - 1*H174 + 1*H181 + 1*H187 + 1*H190 + 1*H193 - 2*H235 - 1*H249 + 1*H5 + 1*H35 - 1*J181 - 1*J187 - 1*J190 - 1*J193 + 1*J209 - 1*J215 + 1*J217 + 2*J236 + 1*J249 + 2*J254 + 2*J256 + 1*J260 - 1*J261 + 1*J274 + 1*J277 + 1*J282 - 1*J291 - 1*J302 + 2*J303 + 1*J343 - 2*J363 - 1*J377 + 1*J379 + 1*J394 + 1*J401$$

$$K170 * \cancel{K682} = 2*F44 + 1*F58 - 2*G44 + 1*G47 - 1*G58 + 1*G88 - 1*H175 + 1*H182 + 1*H188 + 1*H191 + 1*H194 - 2*H236 - 1*H250 + 1*H6 + 1*H36 - 1*J182 - 1*J188 - 1*J191 - 1*J194 + 1*J210 - 1*J216 + 1*J218 + 2*J237 + 1*J250 + 2*J255 + 2*J257 + 1*J261 - 1*J262 + 1*J275 + 1*J278 + 1*J283 - 1*J292 - 1*J303 + 2*J304 + 1*J344 - 2*J364 - 1*J378 + 1*J380 + 1*J395 + 1*J402$$

$$K171 * \cancel{K683} = 2*F45 + 1*F59 - 2*G45 + 1*G48 - 1*G59 + 1*G89 - 1*H176 + 1*H183 + 1*H189 + 1*H192 + 1*H195 - 2*H237 - 1*H251 + 1*H7 + 1*H37 - 1*J183 - 1*J189 - 1*J192 - 1*J195 + 1*J211 - 1*J217 + 1*J219 + 2*J238 + 1*J251 + 2*J256 + 2*J258 + 1*J262 - 1*J263 + 1*J276 + 1*J279 + 1*J284 - 1*J293 - 1*J304 + 2*J305 + 1*J345 - 2*J365 - 1*J379 + 1*J381 + 1*J396 + 1*J403$$

$$K172 * K684 = 2*F46 + 1*F60 - 2*G46 + 1*G49 - 1*G60 + 1*G90 - 1*H177 + 1*H184 + 1*H190 + 1*H193 + 1*H196 - 2*H238 - 1*H252 + 1*H8 + 1*H38 - 1*J184 - 1*J190 - 1*J193 - 1*J196 + 1*J212 - 1*J218 + 1*J220 + 2*J239 + 1*J252 + 2*J257 + 2*J259 + 1*J263 - 1*J264 + 1*J277 + 1*J280 + 1*J285 - 1*J294 - 1*J305 + 2*J306 + 1*J346 - 2*J366 - 1*J380 + 1*J382 + 1*J397 + 1*J404$$

$$\begin{aligned} K173 * K685 = & 2 * F47 + 1 * F61 - 2 * G47 + 1 * G50 - 1 * G61 + 1 * G91 - 1 * H178 + \\ & 1 * H185 + 1 * H191 + 1 * H194 + 1 * H197 - 2 * H239 - 1 * H253 + 1 * H9 + 1 * H39 - \\ & 1 * J185 - 1 * J191 - 1 * J194 - 1 * J197 + 1 * J213 - 1 * J219 + 1 * J221 + 2 * J240 + \\ & 1 * J253 + 2 * J258 + 2 * J260 + 1 * J264 - 1 * J265 + 1 * J278 + 1 * J281 + 1 * J286 - \\ & 1 * J295 - 1 * J306 + 2 * J307 + 1 * J347 - 2 * J367 - 1 * J381 + 1 * J383 + 1 * J398 + \\ & 1 * J405 \end{aligned}$$

$$\begin{aligned} K174 * K686 = & 2 * F48 + 1 * F62 - 2 * G48 + 1 * G51 - 1 * G62 + 1 * G92 - 1 * H179 + \\ & 1 * H186 + 1 * H192 + 1 * H195 + 1 * H198 - 2 * H240 - 1 * H254 + 1 * H10 + 1 * H40 - \\ & 1 * J186 - 1 * J192 - 1 * J195 - 1 * J198 + 1 * J214 - 1 * J220 + 1 * J222 + 2 * J241 + \\ & 1 * J254 + 2 * J259 + 2 * J261 + 1 * J265 - 1 * J266 + 1 * J279 + 1 * J282 + 1 * J287 - \\ & 1 * J296 - 1 * J307 + 2 * J308 + 1 * J348 - 2 * J368 - 1 * J382 + 1 * J384 + 1 * J399 + \\ & 1 * J406 \end{aligned}$$

$$\begin{aligned} K175 * ~~K687~~ = & 2 * F49 + 1 * F63 - 2 * G49 + 1 * G52 - 1 * G63 + 1 * G93 - 1 * H180 + \\ & 1 * H187 + 1 * H193 + 1 * H196 + 1 * H199 - 2 * H241 - 1 * H255 + 1 * H11 + 1 * H41 - \\ & 1 * J187 - 1 * J193 - 1 * J196 - 1 * J199 + 1 * J215 - 1 * J221 + 1 * J223 + 2 * J242 + \\ & 1 * J255 + 2 * J260 + 2 * J262 + 1 * J266 - 1 * J267 + 1 * J280 + 1 * J283 + 1 * J288 - \\ & 1 * J297 - 1 * J308 + 2 * J309 + 1 * J349 - 2 * J369 - 1 * J383 + 1 * J385 + 1 * J400 + \\ & 1 * J407 \end{aligned}$$

$$\begin{aligned} K176 * ~~K688~~ = & 2 * F50 + 1 * F0 - 2 * G50 + 1 * G53 - 1 * G64 + 1 * G94 - 1 * H181 + \\ & 1 * H188 + 1 * H194 + 1 * H197 + 1 * H200 - 2 * H242 - 1 * H0 + 1 * H12 + 1 * H42 - \\ & 1 * J188 - 1 * J194 - 1 * J197 - 1 * J200 + 1 * J216 - 1 * J222 + 1 * J224 + 2 * J243 + \\ & 1 * J256 + 2 * J261 + 2 * J263 + 1 * J267 - 1 * J268 + 1 * J281 + 1 * J284 + 1 * J289 - \\ & 1 * J298 - 1 * J309 + 2 * J310 + 1 * J350 - 2 * J370 - 1 * J384 + 1 * J386 + 1 * J401 + \\ & 1 * J408 \end{aligned}$$

$$\begin{aligned} K177 * ~~K689~~ = & 2 * F51 + 1 * F1 - 2 * G51 + 1 * G54 - 1 * G65 + 1 * G95 - 1 * H182 + \\ & 1 * H189 + 1 * H195 + 1 * H198 + 1 * H201 - 2 * H243 - 1 * H1 + 1 * H13 + 1 * H43 - \\ & 1 * J189 - 1 * J195 - 1 * J198 - 1 * J201 + 1 * J217 - 1 * J223 + 1 * J225 + 2 * J244 + \\ & 1 * J257 + 2 * J262 + 2 * J264 + 1 * J268 - 1 * J269 + 1 * J282 + 1 * J285 + 1 * J290 - \\ & 1 * J299 - 1 * J310 + 2 * J311 + 1 * J351 - 2 * J371 - 1 * J385 + 1 * J387 + 1 * J402 + \\ & 1 * J409 \end{aligned}$$

$$\begin{aligned} K178 * K690 = & 2 * F52 + 1 * F2 - 2 * G52 + 1 * G55 - 1 * G66 + 1 * G96 - 1 * H183 + \\ & 1 * H190 + 1 * H196 + 1 * H199 + 1 * H202 - 2 * H244 - 1 * H2 + 1 * H14 + 1 * H44 - \\ & 1 * J190 - 1 * J196 - 1 * J199 - 1 * J202 + 1 * J218 - 1 * J224 + 1 * J226 + 2 * J245 + \\ & 1 * J258 + 2 * J263 + 2 * J265 + 1 * J269 - 1 * J270 + 1 * J283 + 1 * J286 + 1 * J291 - \\ & 1 * J300 - 1 * J311 + 2 * J312 + 1 * J352 - 2 * J372 - 1 * J386 + 1 * J388 + 1 * J403 + \\ & 1 * J410 \end{aligned}$$

$$\begin{aligned} K179 * K691 = & 2 * F53 + 1 * F3 - 2 * G53 + 1 * G56 - 1 * G67 + 1 * G97 - 1 * H184 + \\ & 1 * H191 + 1 * H197 + 1 * H200 + 1 * H203 - 2 * H245 - 1 * H3 + 1 * H15 + 1 * H45 - \\ & 1 * J191 - 1 * J197 - 1 * J200 - 1 * J203 + 1 * J219 - 1 * J225 + 1 * J227 + 2 * J246 + \\ & 1 * J259 + 2 * J264 + 2 * J266 + 1 * J270 - 1 * J271 + 1 * J284 + 1 * J287 + 1 * J292 - \\ & 1 * J301 - 1 * J312 + 2 * J313 + 1 * J353 - 2 * J373 - 1 * J387 + 1 * J389 + 1 * J404 + \\ & 1 * J411 \end{aligned}$$

$$\begin{aligned} K180 * K692 = & 2 * F54 + 1 * F4 - 2 * G54 + 1 * G57 - 1 * G68 + 1 * G98 - 1 * H185 + \\ & 1 * H192 + 1 * H198 + 1 * H201 + 1 * H204 - 2 * H246 - 1 * H4 + 1 * H16 + 1 * H46 - \\ & 1 * J192 - 1 * J198 - 1 * J201 - 1 * J204 + 1 * J220 - 1 * J226 + 1 * J228 + 2 * J247 + \\ & 1 * J260 + 2 * J265 + 2 * J267 + 1 * J271 - 1 * J272 + 1 * J285 + 1 * J288 + 1 * J293 - \\ & 1 * J302 - 1 * J313 + 2 * J314 + 1 * J354 - 2 * J374 - 1 * J388 + 1 * J390 + 1 * J405 + \\ & 1 * J412 \end{aligned}$$

$$\begin{aligned} K181 * K693 = & 2 * F55 + 1 * F5 - 2 * G55 + 1 * G58 - 1 * G69 + 1 * G99 - 1 * H186 + \\ & 1 * H193 + 1 * H199 + 1 * H202 + 1 * H205 - 2 * H247 - 1 * H5 + 1 * H17 + 1 * H47 - \\ & 1 * J193 - 1 * J199 - 1 * J202 - 1 * J205 + 1 * J221 - 1 * J227 + 1 * J229 + 2 * J248 + \\ & 1 * J261 + 2 * J266 + 2 * J268 + 1 * J272 - 1 * J273 + 1 * J286 + 1 * J289 + 1 * J294 - \end{aligned}$$

$$1*J303 - 1*J314 + 2*J315 + 1*J355 - 2*J375 - 1*J389 + 1*J391 + 1*J406 + 1*J413$$

$$K182 * K694 = 2*F56 + 1*F6 - 2*G56 + 1*G59 - 1*G70 + 1*G100 - 1*H187 + 1*H194 + 1*H200 + 1*H203 + 1*H206 - 2*H248 - 1*H6 + 1*H18 + 1*H48 - 1*J194 - 1*J200 - 1*J203 - 1*J206 + 1*J222 - 1*J228 + 1*J230 + 2*J249 + 1*J262 + 2*J267 + 2*J269 + 1*J273 - 1*J274 + 1*J287 + 1*J290 + 1*J295 - 1*J304 - 1*J315 + 2*J316 + 1*J356 - 2*J376 - 1*J390 + 1*J392 + 1*J407 + 1*J414$$

$$K183 * ~~K695~~ = 2*F57 + 1*F7 - 2*G57 + 1*G60 - 1*G71 + 1*G101 - 1*H188 + 1*H195 + 1*H201 + 1*H204 + 1*H207 - 2*H249 - 1*H7 + 1*H19 + 1*H49 - 1*J195 - 1*J201 - 1*J204 - 1*J207 + 1*J223 - 1*J229 + 1*J231 + 2*J250 + 1*J263 + 2*J268 + 2*J270 + 1*J274 - 1*J275 + 1*J288 + 1*J291 + 1*J296 - 1*J305 - 1*J316 + 2*J317 + 1*J357 - 2*J377 - 1*J391 + 1*J393 + 1*J408 + 1*J415$$

$$K184 * K696 = 2*F58 + 1*F8 - 2*G58 + 1*G61 - 1*G72 + 1*G102 - 1*H189 + 1*H196 + 1*H202 + 1*H205 + 1*H208 - 2*H250 - 1*H8 + 1*H20 + 1*H50 - 1*J196 - 1*J202 - 1*J205 - 1*J208 + 1*J224 - 1*J230 + 1*J232 + 2*J251 + 1*J264 + 2*J269 + 2*J271 + 1*J275 - 1*J276 + 1*J289 + 1*J292 + 1*J297 - 1*J306 - 1*J317 + 2*J318 + 1*J358 - 2*J378 - 1*J392 + 1*J394 + 1*J409 + 1*J416$$

$$K185 * ~~K697~~ = 2*F59 + 1*F9 - 2*G59 + 1*G62 - 1*G73 + 1*G103 - 1*H190 + 1*H197 + 1*H203 + 1*H206 + 1*H209 - 2*H251 - 1*H9 + 1*H21 + 1*H51 - 1*J197 - 1*J203 - 1*J206 - 1*J209 + 1*J225 - 1*J231 + 1*J233 + 2*J252 + 1*J265 + 2*J270 + 2*J272 + 1*J276 - 1*J277 + 1*J290 + 1*J293 + 1*J298 - 1*J307 - 1*J318 + 2*J319 + 1*J359 - 2*J379 - 1*J393 + 1*J395 + 1*J410 + 1*J417$$

$$K186 * ~~K698~~ = 2*F60 + 1*F10 - 2*G60 + 1*G63 - 1*G74 + 1*G104 - 1*H191 + 1*H198 + 1*H204 + 1*H207 + 1*H210 - 2*H252 - 1*H10 + 1*H22 + 1*H52 - 1*J198 - 1*J204 - 1*J207 - 1*J210 + 1*J226 - 1*J232 + 1*J234 + 2*J253 + 1*J266 + 2*J271 + 2*J273 + 1*J277 - 1*J278 + 1*J291 + 1*J294 + 1*J299 - 1*J308 - 1*J319 + 2*J320 + 1*J360 - 2*J380 - 1*J394 + 1*J396 + 1*J411 + 1*J418$$

$$K187 * ~~K699~~ = 2*F61 + 1*F11 - 2*G61 + 1*G64 - 1*G75 + 1*G105 - 1*H192 + 1*H199 + 1*H205 + 1*H208 + 1*H211 - 2*H253 - 1*H11 + 1*H23 + 1*H53 - 1*J199 - 1*J205 - 1*J208 - 1*J211 + 1*J227 - 1*J233 + 1*J235 + 2*J254 + 1*J267 + 2*J272 + 2*J274 + 1*J278 - 1*J279 + 1*J292 + 1*J295 + 1*J300 - 1*J309 - 1*J320 + 2*J321 + 1*J361 - 2*J381 - 1*J395 + 1*J397 + 1*J412 + 1*J419$$

$$K188 * ~~K700~~ = 2*F62 + 1*F12 - 2*G62 + 1*G65 - 1*G76 + 1*G106 - 1*H193 + 1*H200 + 1*H206 + 1*H209 + 1*H212 - 2*H254 - 1*H12 + 1*H24 + 1*H54 - 1*J200 - 1*J206 - 1*J209 - 1*J212 + 1*J228 - 1*J234 + 1*J236 + 2*J255 + 1*J268 + 2*J273 + 2*J275 + 1*J279 - 1*J280 + 1*J293 + 1*J296 + 1*J301 - 1*J310 - 1*J321 + 2*J322 + 1*J362 - 2*J382 - 1*J396 + 1*J398 + 1*J413 + 1*J420$$

$$K189 * K701 = 2*F63 + 1*F13 - 2*G63 + 1*G66 - 1*G77 + 1*G107 - 1*H194 + 1*H201 + 1*H207 + 1*H210 + 1*H213 - 2*H255 - 1*H13 + 1*H25 + 1*H55 - 1*J201 - 1*J207 - 1*J210 - 1*J213 + 1*J229 - 1*J235 + 1*J237 + 2*J256 + 1*J269 + 2*J274 + 2*J276 + 1*J280 - 1*J281 + 1*J294 + 1*J297 + 1*J302 - 1*J311 - 1*J322 + 2*J323 + 1*J363 - 2*J383 - 1*J397 + 1*J399 + 1*J414 + 1*J421$$

$$\begin{aligned} K190 * K702 = & 2 * F0 + 1 * F14 - 2 * G64 + 1 * G67 - 1 * G78 + 1 * G108 - 1 * H195 + \\ & 1 * H202 + 1 * H208 + 1 * H211 + 1 * H214 - 2 * H0 - 1 * H14 + 1 * H26 + 1 * H56 - 1 * J202 \\ & - 1 * J208 - 1 * J211 - 1 * J214 + 1 * J230 - 1 * J236 + 1 * J238 + 2 * J257 + 1 * J270 + \\ & 2 * J275 + 2 * J277 + 1 * J281 - 1 * J282 + 1 * J295 + 1 * J298 + 1 * J303 - 1 * J312 - \\ & 1 * J323 + 2 * J324 + 1 * J364 - 2 * J384 - 1 * J398 + 1 * J400 + 1 * J415 + 1 * J422 \end{aligned}$$

$$\begin{aligned} K191 * K703 = & 2 * F1 + 1 * F15 - 2 * G65 + 1 * G68 - 1 * G79 + 1 * G109 - 1 * H196 + \\ & 1 * H203 + 1 * H209 + 1 * H212 + 1 * H215 - 2 * H1 - 1 * H15 + 1 * H27 + 1 * H57 - 1 * J203 \\ & - 1 * J209 - 1 * J212 - 1 * J215 + 1 * J231 - 1 * J237 + 1 * J239 + 2 * J258 + 1 * J271 + \\ & 2 * J276 + 2 * J278 + 1 * J282 - 1 * J283 + 1 * J296 + 1 * J299 + 1 * J304 - 1 * J313 - \\ & 1 * J324 + 2 * J325 + 1 * J365 - 2 * J385 - 1 * J399 + 1 * J401 + 1 * J416 + 1 * J423 \end{aligned}$$

$$\begin{aligned} K192 * K704 = & 2 * F2 + 1 * F16 - 2 * G66 + 1 * G69 - 1 * G80 + 1 * G110 - 1 * H197 + \\ & 1 * H204 + 1 * H210 + 1 * H213 + 1 * H216 - 2 * H2 - 1 * H16 + 1 * H28 + 1 * H58 - 1 * J204 \\ & - 1 * J210 - 1 * J213 - 1 * J216 + 1 * J232 - 1 * J238 + 1 * J240 + 2 * J259 + 1 * J272 + \\ & 2 * J277 + 2 * J279 + 1 * J283 - 1 * J284 + 1 * J297 + 1 * J300 + 1 * J305 - 1 * J314 - \\ & 1 * J325 + 2 * J326 + 1 * J366 - 2 * J386 - 1 * J400 + 1 * J402 + 1 * J417 + 1 * J424 \end{aligned}$$

$$\begin{aligned} K193 * K705 = & 2 * F3 + 1 * F17 - 2 * G67 + 1 * G70 - 1 * G81 + 1 * G111 - 1 * H198 + \\ & 1 * H205 + 1 * H211 + 1 * H214 + 1 * H217 - 2 * H3 - 1 * H17 + 1 * H29 + 1 * H59 - 1 * J205 \\ & - 1 * J211 - 1 * J214 - 1 * J217 + 1 * J233 - 1 * J239 + 1 * J241 + 2 * J260 + 1 * J273 + \\ & 2 * J278 + 2 * J280 + 1 * J284 - 1 * J285 + 1 * J298 + 1 * J301 + 1 * J306 - 1 * J315 - \\ & 1 * J326 + 2 * J327 + 1 * J367 - 2 * J387 - 1 * J401 + 1 * J403 + 1 * J418 + 1 * J425 \end{aligned}$$

$$\begin{aligned} K194 * K706 = & 2 * F4 + 1 * F18 - 2 * G68 + 1 * G71 - 1 * G82 + 1 * G112 - 1 * H199 + \\ & 1 * H206 + 1 * H212 + 1 * H215 + 1 * H218 - 2 * H4 - 1 * H18 + 1 * H30 + 1 * H60 - 1 * J206 \\ & - 1 * J212 - 1 * J215 - 1 * J218 + 1 * J234 - 1 * J240 + 1 * J242 + 2 * J261 + 1 * J274 + \\ & 2 * J279 + 2 * J281 + 1 * J285 - 1 * J286 + 1 * J299 + 1 * J302 + 1 * J307 - 1 * J316 - \\ & 1 * J327 + 2 * J328 + 1 * J368 - 2 * J388 - 1 * J402 + 1 * J404 + 1 * J419 + 1 * J426 \end{aligned}$$

$$\begin{aligned} K195 * K707 = & 2 * F5 + 1 * F19 - 2 * G69 + 1 * G72 - 1 * G83 + 1 * G113 - 1 * H200 + \\ & 1 * H207 + 1 * H213 + 1 * H216 + 1 * H219 - 2 * H5 - 1 * H19 + 1 * H31 + 1 * H61 - 1 * J207 \\ & - 1 * J213 - 1 * J216 - 1 * J219 + 1 * J235 - 1 * J241 + 1 * J243 + 2 * J262 + 1 * J275 + \\ & 2 * J280 + 2 * J282 + 1 * J286 - 1 * J287 + 1 * J300 + 1 * J303 + 1 * J308 - 1 * J317 - \\ & 1 * J328 + 2 * J329 + 1 * J369 - 2 * J389 - 1 * J403 + 1 * J405 + 1 * J420 + 1 * J427 \end{aligned}$$

$$\begin{aligned} K196 * K708 = & 2 * F6 + 1 * F20 - 2 * G70 + 1 * G73 - 1 * G84 + 1 * G114 - 1 * H201 + \\ & 1 * H208 + 1 * H214 + 1 * H217 + 1 * H220 - 2 * H6 - 1 * H20 + 1 * H32 + 1 * H62 - 1 * J208 \\ & - 1 * J214 - 1 * J217 - 1 * J220 + 1 * J236 - 1 * J242 + 1 * J244 + 2 * J263 + 1 * J276 + \\ & 2 * J281 + 2 * J283 + 1 * J287 - 1 * J288 + 1 * J301 + 1 * J304 + 1 * J309 - 1 * J318 - \\ & 1 * J329 + 2 * J330 + 1 * J370 - 2 * J390 - 1 * J404 + 1 * J406 + 1 * J421 + 1 * J428 \end{aligned}$$

$$\begin{aligned} K197 * K709 = & 2 * F7 + 1 * F21 - 2 * G71 + 1 * G74 - 1 * G85 + 1 * G115 - 1 * H202 + \\ & 1 * H209 + 1 * H215 + 1 * H218 + 1 * H221 - 2 * H7 - 1 * H21 + 1 * H33 + 1 * H63 - 1 * J209 \\ & - 1 * J215 - 1 * J218 - 1 * J221 + 1 * J237 - 1 * J243 + 1 * J245 + 2 * J264 + 1 * J277 + \\ & 2 * J282 + 2 * J284 + 1 * J288 - 1 * J289 + 1 * J302 + 1 * J305 + 1 * J310 - 1 * J319 - \\ & 1 * J330 + 2 * J331 + 1 * J371 - 2 * J391 - 1 * J405 + 1 * J407 + 1 * J422 + 1 * J429 \end{aligned}$$

$$\begin{aligned} K198 * K710 = & 2 * F8 + 1 * F22 - 2 * G72 + 1 * G75 - 1 * G86 + 1 * G116 - 1 * H203 + \\ & 1 * H210 + 1 * H216 + 1 * H219 + 1 * H222 - 2 * H8 - 1 * H22 + 1 * H34 + 1 * H64 - 1 * J210 \\ & - 1 * J216 - 1 * J219 - 1 * J222 + 1 * J238 - 1 * J244 + 1 * J246 + 2 * J265 + 1 * J278 + \\ & 2 * J283 + 2 * J285 + 1 * J289 - 1 * J290 + 1 * J303 + 1 * J306 + 1 * J311 - 1 * J320 - \\ & 1 * J331 + 2 * J332 + 1 * J372 - 2 * J392 - 1 * J406 + 1 * J408 + 1 * J423 + 1 * J430 \end{aligned}$$

$$\begin{aligned} K200 * K712 = & 2 * F10 + 1 * F24 - 2 * G74 + 1 * G77 - 1 * G88 + 1 * G118 - 1 * H205 + \\ & 1 * H212 + 1 * H218 + 1 * H221 + 1 * H224 - 2 * H10 - 1 * H24 + 1 * H36 + 1 * H66 - \\ & 1 * J212 - 1 * J218 - 1 * J221 - 1 * J224 + 1 * J240 - 1 * J246 + 1 * J248 + 2 * J267 + \\ & 1 * J280 + 2 * J285 + 2 * J287 + 1 * J291 - 1 * J292 + 1 * J305 + 1 * J308 + 1 * J313 - \\ & 1 * J322 - 1 * J333 + 2 * J334 + 1 * J374 - 2 * J394 - 1 * J408 + 1 * J410 + 1 * J425 + \\ & 1 * J432 \end{aligned}$$

$$\begin{aligned}
K201 * K713 = & 2 * F11 + 1 * F25 - 2 * G75 + 1 * G78 - 1 * G89 + 1 * G119 - 1 * H206 + \\
& 1 * H213 + 1 * H219 + 1 * H222 + 1 * H225 - 2 * H11 - 1 * H25 + 1 * H37 + 1 * H67 - \\
& 1 * J213 - 1 * J219 - 1 * J222 - 1 * J225 + 1 * J241 - 1 * J247 + 1 * J249 + 2 * J268 + \\
& 1 * J281 + 2 * J286 + 2 * J288 + 1 * J292 - 1 * J293 + 1 * J306 + 1 * J309 + 1 * J314 - \\
& 1 * J323 - 1 * J334 + 2 * J335 + 1 * J375 - 2 * J395 - 1 * J409 + 1 * J411 + 1 * J426 + \\
& 1 * J433
\end{aligned}$$

$$\begin{aligned}
K202 * ~~K714~~ = & 2 * F12 + 1 * F26 - 2 * G76 + 1 * G79 - 1 * G90 + 1 * G120 - 1 * H207 + \\
& 1 * H214 + 1 * H220 + 1 * H223 + 1 * H226 - 2 * H12 - 1 * H26 + 1 * H38 + 1 * H68 - \\
& 1 * J214 - 1 * J220 - 1 * J223 - 1 * J226 + 1 * J242 - 1 * J248 + 1 * J250 + 2 * J269 + \\
& 1 * J282 + 2 * J287 + 2 * J289 + 1 * J293 - 1 * J294 + 1 * J307 + 1 * J310 + 1 * J315 - \\
& 1 * J324 - 1 * J335 + 2 * J336 + 1 * J376 - 2 * J396 - 1 * J410 + 1 * J412 + 1 * J427 + \\
& 1 * J434
\end{aligned}$$

$$\begin{aligned}
K203 * ~~K715~~ = & 2 * F13 + 1 * F27 - 2 * G77 + 1 * G80 - 1 * G91 + 1 * G121 - 1 * H208 + \\
& 1 * H215 + 1 * H221 + 1 * H224 + 1 * H227 - 2 * H13 - 1 * H27 + 1 * H39 + 1 * H69 - \\
& 1 * J215 - 1 * J221 - 1 * J224 - 1 * J227 + 1 * J243 - 1 * J249 + 1 * J251 + 2 * J270 + \\
& 1 * J283 + 2 * J288 + 2 * J290 + 1 * J294 - 1 * J295 + 1 * J308 + 1 * J311 + 1 * J316 - \\
& 1 * J325 - 1 * J336 + 2 * J337 + 1 * J377 - 2 * J397 - 1 * J411 + 1 * J413 + 1 * J428 + \\
& 1 * J435
\end{aligned}$$

$$\begin{aligned}
K204 * K716 = & 2 * F14 + 1 * F28 - 2 * G78 + 1 * G81 - 1 * G92 + 1 * G122 - 1 * H209 + \\
& 1 * H216 + 1 * H222 + 1 * H225 + 1 * H228 - 2 * H14 - 1 * H28 + 1 * H40 + 1 * H70 - \\
& 1 * J216 - 1 * J222 - 1 * J225 - 1 * J228 + 1 * J244 - 1 * J250 + 1 * J252 + 2 * J271 + \\
& 1 * J284 + 2 * J289 + 2 * J291 + 1 * J295 - 1 * J296 + 1 * J309 + 1 * J312 + 1 * J317 - \\
& 1 * J326 - 1 * J337 + 2 * J338 + 1 * J378 - 2 * J398 - 1 * J412 + 1 * J414 + 1 * J429 + \\
& 1 * J436
\end{aligned}$$

$$\begin{aligned}
K205 * ~~K717~~ = & 2 * F15 + 1 * F29 - 2 * G79 + 1 * G82 - 1 * G93 + 1 * G123 - 1 * H210 + \\
& 1 * H217 + 1 * H223 + 1 * H226 + 1 * H229 - 2 * H15 - 1 * H29 + 1 * H41 + 1 * H71 - \\
& 1 * J217 - 1 * J223 - 1 * J226 - 1 * J229 + 1 * J245 - 1 * J251 + 1 * J253 + 2 * J272 + \\
& 1 * J285 + 2 * J290 + 2 * J292 + 1 * J296 - 1 * J297 + 1 * J310 + 1 * J313 + 1 * J318 - \\
& 1 * J327 - 1 * J338 + 2 * J339 + 1 * J379 - 2 * J399 - 1 * J413 + 1 * J415 + 1 * J430 + \\
& 1 * J437
\end{aligned}$$

$$\begin{aligned}
K206 * ~~K718~~ = & 2 * F16 + 1 * F30 - 2 * G80 + 1 * G83 - 1 * G94 + 1 * G124 - 1 * H211 + \\
& 1 * H218 + 1 * H224 + 1 * H227 + 1 * H230 - 2 * H16 - 1 * H30 + 1 * H42 + 1 * H72 - \\
& 1 * J218 - 1 * J224 - 1 * J227 - 1 * J230 + 1 * J246 - 1 * J252 + 1 * J254 + 2 * J273 + \\
& 1 * J286 + 2 * J291 + 2 * J293 + 1 * J297 - 1 * J298 + 1 * J311 + 1 * J314 + 1 * J319 - \\
& 1 * J328 - 1 * J339 + 2 * J340 + 1 * J380 - 2 * J400 - 1 * J414 + 1 * J416 + 1 * J431 + \\
& 1 * J438
\end{aligned}$$

$$\begin{aligned}
K207 * ~~K719~~ = & 2 * F17 + 1 * F31 - 2 * G81 + 1 * G84 - 1 * G95 + 1 * G125 - 1 * H212 + \\
& 1 * H219 + 1 * H225 + 1 * H228 + 1 * H231 - 2 * H17 - 1 * H31 + 1 * H43 + 1 * H73 - \\
& 1 * J219 - 1 * J225 - 1 * J228 - 1 * J231 + 1 * J247 - 1 * J253 + 1 * J255 + 2 * J274 + \\
& 1 * J287 + 2 * J292 + 2 * J294 + 1 * J298 - 1 * J299 + 1 * J312 + 1 * J315 + 1 * J320 - \\
& 1 * J329 - 1 * J340 + 2 * J341 + 1 * J381 - 2 * J401 - 1 * J415 + 1 * J417 + 1 * J432 + \\
& 1 * J439
\end{aligned}$$

$$\begin{aligned}
K208 * K720 = & 2 * F18 + 1 * F32 - 2 * G82 + 1 * G85 - 1 * G96 + 1 * G126 - 1 * H213 + \\
& 1 * H220 + 1 * H226 + 1 * H229 + 1 * H232 - 2 * H18 - 1 * H32 + 1 * H44 + 1 * H74 - \\
& 1 * J220 - 1 * J226 - 1 * J229 - 1 * J232 + 1 * J248 - 1 * J254 + 1 * J256 + 2 * J275 + \\
& 1 * J288 + 2 * J293 + 2 * J295 + 1 * J299 - 1 * J300 + 1 * J313 + 1 * J316 + 1 * J321 - \\
& 1 * J330 - 1 * J341 + 2 * J342 + 1 * J382 - 2 * J402 - 1 * J416 + 1 * J418 + 1 * J433 + \\
& 1 * J440
\end{aligned}$$

$$\begin{aligned}
K209 * ~~K721~~ = & 2 * F19 + 1 * F33 - 2 * G83 + 1 * G86 - 1 * G97 + 1 * G127 - 1 * H214 + \\
& 1 * H221 + 1 * H227 + 1 * H230 + 1 * H233 - 2 * H19 - 1 * H33 + 1 * H45 + 1 * H75 - \\
& 1 * J221 - 1 * J227 - 1 * J230 - 1 * J233 + 1 * J249 - 1 * J255 + 1 * J257 + 2 * J276 +
\end{aligned}$$

$$1*J289 + 2*J294 + 2*J296 + 1*J300 - 1*J301 + 1*J314 + 1*J317 + 1*J322 - 1*J331 - 1*J342 + 2*J343 + 1*J383 - 2*J403 - 1*J417 + 1*J419 + 1*J434 + 1*J441$$

$$K210 * \del{K722} = 2*F20 + 1*F34 - 2*G84 + 1*G87 - 1*G98 + 1*G0 - 1*H215 + 1*H222 + 1*H228 + 1*H231 + 1*H234 - 2*H20 - 1*H34 + 1*H46 + 1*H76 - 1*J222 - 1*J228 - 1*J231 - 1*J234 + 1*J250 - 1*J256 + 1*J258 + 2*J277 + 1*J290 + 2*J295 + 2*J297 + 1*J301 - 1*J302 + 1*J315 + 1*J318 + 1*J323 - 1*J332 - 1*J343 + 2*J344 + 1*J384 - 2*J404 - 1*J418 + 1*J420 + 1*J435 + 1*J442$$

$$K211 * K723 = 2*F21 + 1*F35 - 2*G85 + 1*G88 - 1*G99 + 1*G1 - 1*H216 + 1*H223 + 1*H229 + 1*H232 + 1*H235 - 2*H21 - 1*H35 + 1*H47 + 1*H77 - 1*J223 - 1*J229 - 1*J232 - 1*J235 + 1*J251 - 1*J257 + 1*J259 + 2*J278 + 1*J291 + 2*J296 + 2*J298 + 1*J302 - 1*J303 + 1*J316 + 1*J319 + 1*J324 - 1*J333 - 1*J344 + 2*J345 + 1*J385 - 2*J405 - 1*J419 + 1*J421 + 1*J436 + 1*J443$$

$$K212 * \del{K724} = 2*F22 + 1*F36 - 2*G86 + 1*G89 - 1*G100 + 1*G2 - 1*H217 + 1*H224 + 1*H230 + 1*H233 + 1*H236 - 2*H22 - 1*H36 + 1*H48 + 1*H78 - 1*J224 - 1*J230 - 1*J233 - 1*J236 + 1*J252 - 1*J258 + 1*J260 + 2*J279 + 1*J292 + 2*J297 + 2*J299 + 1*J303 - 1*J304 + 1*J317 + 1*J320 + 1*J325 - 1*J334 - 1*J345 + 2*J346 + 1*J386 - 2*J406 - 1*J420 + 1*J422 + 1*J437 + 1*J444$$

$$\del{K213} * K725 = 2*F23 + 1*F37 - 2*G87 + 1*G90 - 1*G101 + 1*G3 - 1*H218 + 1*H225 + 1*H231 + 1*H234 + 1*H237 - 2*H23 - 1*H37 + 1*H49 + 1*H79 - 1*J225 - 1*J231 - 1*J234 - 1*J237 + 1*J253 - 1*J259 + 1*J261 + 2*J280 + 1*J293 + 2*J298 + 2*J300 + 1*J304 - 1*J305 + 1*J318 + 1*J321 + 1*J326 - 1*J335 - 1*J346 + 2*J347 + 1*J387 - 2*J407 - 1*J421 + 1*J423 + 1*J438 + 1*J445$$

$$\del{K214} * K726 = 2*F24 + 1*F38 - 2*G88 + 1*G91 - 1*G102 + 1*G4 - 1*H219 + 1*H226 + 1*H232 + 1*H235 + 1*H238 - 2*H24 - 1*H38 + 1*H50 + 1*H80 - 1*J226 - 1*J232 - 1*J235 - 1*J238 + 1*J254 - 1*J260 + 1*J262 + 2*J281 + 1*J294 + 2*J299 + 2*J301 + 1*J305 - 1*J306 + 1*J319 + 1*J322 + 1*J327 - 1*J336 - 1*J347 + 2*J348 + 1*J388 - 2*J408 - 1*J422 + 1*J424 + 1*J439 + 1*J446$$

$$K215 * K727 = 2*F25 + 1*F39 - 2*G89 + 1*G92 - 1*G103 + 1*G5 - 1*H220 + 1*H227 + 1*H233 + 1*H236 + 1*H239 - 2*H25 - 1*H39 + 1*H51 + 1*H81 - 1*J227 - 1*J233 - 1*J236 - 1*J239 + 1*J255 - 1*J261 + 1*J263 + 2*J282 + 1*J295 + 2*J300 + 2*J302 + 1*J306 - 1*J307 + 1*J320 + 1*J323 + 1*J328 - 1*J337 - 1*J348 + 2*J349 + 1*J389 - 2*J409 - 1*J423 + 1*J425 + 1*J440 + 1*J447$$

$$K216 * \del{K728} = 2*F26 + 1*F40 - 2*G90 + 1*G93 - 1*G104 + 1*G6 - 1*H221 + 1*H228 + 1*H234 + 1*H237 + 1*H240 - 2*H26 - 1*H40 + 1*H52 + 1*H82 - 1*J228 - 1*J234 - 1*J237 - 1*J240 + 1*J256 - 1*J262 + 1*J264 + 2*J283 + 1*J296 + 2*J301 + 2*J303 + 1*J307 - 1*J308 + 1*J321 + 1*J324 + 1*J329 - 1*J338 - 1*J349 + 2*J350 + 1*J390 - 2*J410 - 1*J424 + 1*J426 + 1*J441 + 1*J448$$

$$K217 * \del{K729} = 2*F27 + 1*F41 - 2*G91 + 1*G94 - 1*G105 + 1*G7 - 1*H222 + 1*H229 + 1*H235 + 1*H238 + 1*H241 - 2*H27 - 1*H41 + 1*H53 + 1*H83 - 1*J229 - 1*J235 - 1*J238 - 1*J241 + 1*J257 - 1*J263 + 1*J265 + 2*J284 + 1*J297 + 2*J302 + 2*J304 + 1*J308 - 1*J309 + 1*J322 + 1*J325 + 1*J330 - 1*J339 - 1*J350 + 2*J351 + 1*J391 - 2*J411 - 1*J425 + 1*J427 + 1*J442 + 1*J449$$

$$\begin{aligned}
K218 * K730 = & 2 * F28 + 1 * F42 - 2 * G92 + 1 * G95 - 1 * G106 + 1 * G8 - 1 * H223 + \\
& 1 * H230 + 1 * H236 + 1 * H239 + 1 * H242 - 2 * H28 - 1 * H42 + 1 * H54 + 1 * H84 - \\
& 1 * J230 - 1 * J236 - 1 * J239 - 1 * J242 + 1 * J258 - 1 * J264 + 1 * J266 + 2 * J285 + \\
& 1 * J298 + 2 * J303 + 2 * J305 + 1 * J309 - 1 * J310 + 1 * J323 + 1 * J326 + 1 * J331 - \\
& 1 * J340 - 1 * J351 + 2 * J352 + 1 * J392 - 2 * J412 - 1 * J426 + 1 * J428 + 1 * J443 + \\
& 1 * J450
\end{aligned}$$

$$\begin{aligned}
K219 * K731 = & 2 * F29 + 1 * F43 - 2 * G93 + 1 * G96 - 1 * G107 + 1 * G9 - 1 * H224 + \\
& 1 * H231 + 1 * H237 + 1 * H240 + 1 * H243 - 2 * H29 - 1 * H43 + 1 * H55 + 1 * H85 - \\
& 1 * J231 - 1 * J237 - 1 * J240 - 1 * J243 + 1 * J259 - 1 * J265 + 1 * J267 + 2 * J286 + \\
& 1 * J299 + 2 * J304 + 2 * J306 + 1 * J310 - 1 * J311 + 1 * J324 + 1 * J327 + 1 * J332 - \\
& 1 * J341 - 1 * J352 + 2 * J353 + 1 * J393 - 2 * J413 - 1 * J427 + 1 * J429 + 1 * J444 + \\
& 1 * J451
\end{aligned}$$

$$\begin{aligned}
K220 * K732 = & 2 * F30 + 1 * F44 - 2 * G94 + 1 * G97 - 1 * G108 + 1 * G10 - 1 * H225 + \\
& 1 * H232 + 1 * H238 + 1 * H241 + 1 * H244 - 2 * H30 - 1 * H44 + 1 * H56 + 1 * H86 - \\
& 1 * J232 - 1 * J238 - 1 * J241 - 1 * J244 + 1 * J260 - 1 * J266 + 1 * J268 + 2 * J287 + \\
& 1 * J300 + 2 * J305 + 2 * J307 + 1 * J311 - 1 * J312 + 1 * J325 + 1 * J328 + 1 * J333 - \\
& 1 * J342 - 1 * J353 + 2 * J354 + 1 * J394 - 2 * J414 - 1 * J428 + 1 * J430 + 1 * J445 + \\
& 1 * J452
\end{aligned}$$

$$\begin{aligned}
K221 * ~~K733~~ = & 2 * F31 + 1 * F45 - 2 * G95 + 1 * G98 - 1 * G109 + 1 * G11 - 1 * H226 + \\
& 1 * H233 + 1 * H239 + 1 * H242 + 1 * H245 - 2 * H31 - 1 * H45 + 1 * H57 + 1 * H87 - \\
& 1 * J233 - 1 * J239 - 1 * J242 - 1 * J245 + 1 * J261 - 1 * J267 + 1 * J269 + 2 * J288 + \\
& 1 * J301 + 2 * J306 + 2 * J308 + 1 * J312 - 1 * J313 + 1 * J326 + 1 * J329 + 1 * J334 - \\
& 1 * J343 - 1 * J354 + 2 * J355 + 1 * J395 - 2 * J415 - 1 * J429 + 1 * J431 + 1 * J446 + \\
& 1 * J453
\end{aligned}$$

$$\begin{aligned}
K222 * ~~K734~~ = & 2 * F32 + 1 * F46 - 2 * G96 + 1 * G99 - 1 * G110 + 1 * G12 - 1 * H227 + \\
& 1 * H234 + 1 * H240 + 1 * H243 + 1 * H246 - 2 * H32 - 1 * H46 + 1 * H58 + 1 * H88 - \\
& 1 * J234 - 1 * J240 - 1 * J243 - 1 * J246 + 1 * J262 - 1 * J268 + 1 * J270 + 2 * J289 + \\
& 1 * J302 + 2 * J307 + 2 * J309 + 1 * J313 - 1 * J314 + 1 * J327 + 1 * J330 + 1 * J335 - \\
& 1 * J344 - 1 * J355 + 2 * J356 + 1 * J396 - 2 * J416 - 1 * J430 + 1 * J432 + 1 * J447 + \\
& 1 * J454
\end{aligned}$$

$$\begin{aligned}
K223 * ~~K735~~ = & 2 * F33 + 1 * F47 - 2 * G97 + 1 * G100 - 1 * G111 + 1 * G13 - 1 * H228 + \\
& 1 * H235 + 1 * H241 + 1 * H244 + 1 * H247 - 2 * H33 - 1 * H47 + 1 * H59 + 1 * H89 - \\
& 1 * J235 - 1 * J241 - 1 * J244 - 1 * J247 + 1 * J263 - 1 * J269 + 1 * J271 + 2 * J290 + \\
& 1 * J303 + 2 * J308 + 2 * J310 + 1 * J314 - 1 * J315 + 1 * J328 + 1 * J331 + 1 * J336 - \\
& 1 * J345 - 1 * J356 + 2 * J357 + 1 * J397 - 2 * J417 - 1 * J431 + 1 * J433 + 1 * J448 + \\
& 1 * J455
\end{aligned}$$

$$\begin{aligned}
K224 * K736 = & 2 * F34 + 1 * F48 - 2 * G98 + 1 * G101 - 1 * G112 + 1 * G14 - 1 * H229 + \\
& 1 * H236 + 1 * H242 + 1 * H245 + 1 * H248 - 2 * H34 - 1 * H48 + 1 * H60 + 1 * H90 - \\
& 1 * J236 - 1 * J242 - 1 * J245 - 1 * J248 + 1 * J264 - 1 * J270 + 1 * J272 + 2 * J291 + \\
& 1 * J304 + 2 * J309 + 2 * J311 + 1 * J315 - 1 * J316 + 1 * J329 + 1 * J332 + 1 * J337 - \\
& 1 * J346 - 1 * J357 + 2 * J358 + 1 * J398 - 2 * J418 - 1 * J432 + 1 * J434 + 1 * J449 + \\
& 1 * J456
\end{aligned}$$

$$\begin{aligned}
K226 * K738 = & 2 * F36 + 1 * F50 - 2 * G100 + 1 * G103 - 1 * G114 + 1 * G16 - 1 * H231 + \\
& 1 * H238 + 1 * H244 + 1 * H247 + 1 * H250 - 2 * H36 - 1 * H50 + 1 * H62 + 1 * H92 - \\
& 1 * J238 - 1 * J244 - 1 * J247 - 1 * J250 + 1 * J266 - 1 * J272 + 1 * J274 + 2 * J293 + \\
& 1 * J306 + 2 * J311 + 2 * J313 + 1 * J317 - 1 * J318 + 1 * J331 + 1 * J334 + 1 * J339 - \\
& 1 * J348 - 1 * J359 + 2 * J360 + 1 * J400 - 2 * J420 - 1 * J434 + 1 * J436 + 1 * J451 + \\
& 1 * J458
\end{aligned}$$

$$\begin{aligned}
K227 * ~~K739~~ = & 2 * F37 + 1 * F51 - 2 * G101 + 1 * G104 - 1 * G115 + 1 * G17 - 1 * H232 + \\
& 1 * H239 + 1 * H245 + 1 * H248 + 1 * H251 - 2 * H37 - 1 * H51 + 1 * H63 + 1 * H93 - \\
& 1 * J239 - 1 * J245 - 1 * J248 - 1 * J251 + 1 * J267 - 1 * J273 + 1 * J275 + 2 * J294 + \\
& 1 * J307 + 2 * J312 + 2 * J314 + 1 * J318 - 1 * J319 + 1 * J332 + 1 * J335 + 1 * J340 -
\end{aligned}$$

$$1*J349 - 1*J360 + 2*J361 + 1*J401 - 2*J421 - 1*J435 + 1*J437 + 1*J452 + 1*J459$$

$$K228 * \del{K740} = 2*F38 + 1*F52 - 2*G102 + 1*G105 - 1*G116 + 1*G18 - 1*H233 + 1*H240 + 1*H246 + 1*H249 + 1*H252 - 2*H38 - 1*H52 + 1*H64 + 1*H94 - 1*J240 - 1*J246 - 1*J249 - 1*J252 + 1*J268 - 1*J274 + 1*J276 + 2*J295 + 1*J308 + 2*J313 + 2*J315 + 1*J319 - 1*J320 + 1*J333 + 1*J336 + 1*J341 - 1*J350 - 1*J361 + 2*J362 + 1*J402 - 2*J422 - 1*J436 + 1*J438 + 1*J453 + 1*J460$$

$$K229 * \del{K741} = 2*F39 + 1*F53 - 2*G103 + 1*G106 - 1*G117 + 1*G19 - 1*H234 + 1*H241 + 1*H247 + 1*H250 + 1*H253 - 2*H39 - 1*H53 + 1*H65 + 1*H95 - 1*J241 - 1*J247 - 1*J250 - 1*J253 + 1*J269 - 1*J275 + 1*J277 + 2*J296 + 1*J309 + 2*J314 + 2*J316 + 1*J320 - 1*J321 + 1*J334 + 1*J337 + 1*J342 - 1*J351 - 1*J362 + 2*J363 + 1*J403 - 2*J423 - 1*J437 + 1*J439 + 1*J454 + 1*J461$$

$$K230 * K742 = 2*F40 + 1*F54 - 2*G104 + 1*G107 - 1*G118 + 1*G20 - 1*H235 + 1*H242 + 1*H248 + 1*H251 + 1*H254 - 2*H40 - 1*H54 + 1*H66 + 1*H96 - 1*J242 - 1*J248 - 1*J251 - 1*J254 + 1*J270 - 1*J276 + 1*J278 + 2*J297 + 1*J310 + 2*J315 + 2*J317 + 1*J321 - 1*J322 + 1*J335 + 1*J338 + 1*J343 - 1*J352 - 1*J363 + 2*J364 + 1*J404 - 2*J424 - 1*J438 + 1*J440 + 1*J455 + 1*J462$$

$$\del{K231} * K743 = 2*F41 + 1*F55 - 2*G105 + 1*G108 - 1*G119 + 1*G21 - 1*H236 + 1*H243 + 1*H249 + 1*H252 + 1*H255 - 2*H41 - 1*H55 + 1*H67 + 1*H97 - 1*J243 - 1*J249 - 1*J252 - 1*J255 + 1*J271 - 1*J277 + 1*J279 + 2*J298 + 1*J311 + 2*J316 + 2*J318 + 1*J322 - 1*J323 + 1*J336 + 1*J339 + 1*J344 - 1*J353 - 1*J364 + 2*J365 + 1*J405 - 2*J425 - 1*J439 + 1*J441 + 1*J456 + 1*J463$$

$$K233 * K745 = 2*F43 + 1*F57 - 2*G107 + 1*G110 - 1*G121 + 1*G23 - 1*H238 + 1*H245 + 1*H251 + 1*H254 + 1*H1 - 2*H43 - 1*H57 + 1*H69 + 1*H99 - 1*J245 - 1*J251 - 1*J254 - 1*J257 + 1*J273 - 1*J279 + 1*J281 + 2*J300 + 1*J313 + 2*J318 + 2*J320 + 1*J324 - 1*J325 + 1*J338 + 1*J341 + 1*J346 - 1*J355 - 1*J366 + 2*J367 + 1*J407 - 2*J427 - 1*J441 + 1*J443 + 1*J458 + 1*J465$$

$$K234 * K746 = 2*F44 + 1*F58 - 2*G108 + 1*G111 - 1*G122 + 1*G24 - 1*H239 + 1*H246 + 1*H252 + 1*H255 + 1*H2 - 2*H44 - 1*H58 + 1*H70 + 1*H100 - 1*J246 - 1*J252 - 1*J255 - 1*J258 + 1*J274 - 1*J280 + 1*J282 + 2*J301 + 1*J314 + 2*J319 + 2*J321 + 1*J325 - 1*J326 + 1*J339 + 1*J342 + 1*J347 - 1*J356 - 1*J367 + 2*J368 + 1*J408 - 2*J428 - 1*J442 + 1*J444 + 1*J459 + 1*J466$$

$$K235 * K747 = 2*F45 + 1*F59 - 2*G109 + 1*G112 - 1*G123 + 1*G25 - 1*H240 + 1*H247 + 1*H253 + 1*H0 + 1*H3 - 2*H45 - 1*H59 + 1*H71 + 1*H101 - 1*J247 - 1*J253 - 1*J256 - 1*J259 + 1*J275 - 1*J281 + 1*J283 + 2*J302 + 1*J315 + 2*J320 + 2*J322 + 1*J326 - 1*J327 + 1*J340 + 1*J343 + 1*J348 - 1*J357 - 1*J368 + 2*J369 + 1*J409 - 2*J429 - 1*J443 + 1*J445 + 1*J460 + 1*J467$$

$$K236 * \del{K748} = 2*F46 + 1*F60 - 2*G110 + 1*G113 - 1*G124 + 1*G26 - 1*H241 + 1*H248 + 1*H254 + 1*H1 + 1*H4 - 2*H46 - 1*H60 + 1*H72 + 1*H102 - 1*J248 - 1*J254 - 1*J257 - 1*J260 + 1*J276 - 1*J282 + 1*J284 + 2*J303 + 1*J316 + 2*J321 + 2*J323 + 1*J327 - 1*J328 + 1*J341 + 1*J344 + 1*J349 - 1*J358 - 1*J369 + 2*J370 + 1*J410 - 2*J430 - 1*J444 + 1*J446 + 1*J461 + 1*J468$$

$$K237 * K749 = 2*F47 + 1*F61 - 2*G111 + 1*G114 - 1*G125 + 1*G27 - 1*H242 + 1*H249 + 1*H255 + 1*H2 + 1*H5 - 2*H47 - 1*H61 + 1*H73 + 1*H103 - 1*J249 - 1*J255 - 1*J258 - 1*J261 + 1*J277 - 1*J283 + 1*J285 + 2*J304 + 1*J317 + 2*J322 + 2*J324 + 1*J328 - 1*J329 + 1*J342 + 1*J345 + 1*J350 - 1*J359 - 1*J370 + 2*J371 + 1*J411 - 2*J431 - 1*J445 + 1*J447 + 1*J462 + 1*J469$$

$$K238 * \cancel{K750} = 2 * F48 + 1 * F62 - 2 * G112 + 1 * G115 - 1 * G126 + 1 * G28 - 1 * H243 + 1 * H250 + 1 * H0 + 1 * H3 + 1 * H6 - 2 * H48 - 1 * H62 + 1 * H74 + 1 * H104 - 1 * J250 - 1 * J256 - 1 * J259 - 1 * J262 + 1 * J278 - 1 * J284 + 1 * J286 + 2 * J305 + 1 * J318 + 2 * J323 + 2 * J325 + 1 * J329 - 1 * J330 + 1 * J343 + 1 * J346 + 1 * J351 - 1 * J360 - 1 * J371 + 2 * J372 + 1 * J412 - 2 * J432 - 1 * J446 + 1 * J448 + 1 * J463 + 1 * J470$$

$$K239 * \cancel{K751} = 2 * F49 + 1 * F63 - 2 * G113 + 1 * G116 - 1 * G127 + 1 * G29 - 1 * H244 + 1 * H251 + 1 * H1 + 1 * H4 + 1 * H7 - 2 * H49 - 1 * H63 + 1 * H75 + 1 * H105 - 1 * J251 - 1 * J257 - 1 * J260 - 1 * J263 + 1 * J279 - 1 * J285 + 1 * J287 + 2 * J306 + 1 * J319 + 2 * J324 + 2 * J326 + 1 * J330 - 1 * J331 + 1 * J344 + 1 * J347 + 1 * J352 - 1 * J361 - 1 * J372 + 2 * J373 + 1 * J413 - 2 * J433 - 1 * J447 + 1 * J449 + 1 * J464 + 1 * J471$$

$$K240 * K752 = 2 * F50 + 1 * F0 - 2 * G114 + 1 * G117 - 1 * G0 + 1 * G30 - 1 * H245 + 1 * H252 + 1 * H2 + 1 * H5 + 1 * H8 - 2 * H50 - 1 * H64 + 1 * H76 + 1 * H106 - 1 * J252 - 1 * J258 - 1 * J261 - 1 * J264 + 1 * J280 - 1 * J286 + 1 * J288 + 2 * J307 + 1 * J320 + 2 * J325 + 2 * J327 + 1 * J331 - 1 * J332 + 1 * J345 + 1 * J348 + 1 * J353 - 1 * J362 - 1 * J373 + 2 * J374 + 1 * J414 - 2 * J434 - 1 * J448 + 1 * J450 + 1 * J465 + 1 * J472$$

$$K241 * \cancel{K753} = 2 * F51 + 1 * F1 - 2 * G115 + 1 * G118 - 1 * G1 + 1 * G31 - 1 * H246 + 1 * H253 + 1 * H3 + 1 * H6 + 1 * H9 - 2 * H51 - 1 * H65 + 1 * H77 + 1 * H107 - 1 * J253 - 1 * J259 - 1 * J262 - 1 * J265 + 1 * J281 - 1 * J287 + 1 * J289 + 2 * J308 + 1 * J321 + 2 * J326 + 2 * J328 + 1 * J332 - 1 * J333 + 1 * J346 + 1 * J349 + 1 * J354 - 1 * J363 - 1 * J374 + 2 * J375 + 1 * J415 - 2 * J435 - 1 * J449 + 1 * J451 + 1 * J466 + 1 * J473$$

$$K242 * K754 = 2 * F52 + 1 * F2 - 2 * G116 + 1 * G119 - 1 * G2 + 1 * G32 - 1 * H247 + 1 * H254 + 1 * H4 + 1 * H7 + 1 * H10 - 2 * H52 - 1 * H66 + 1 * H78 + 1 * H108 - 1 * J254 - 1 * J260 - 1 * J263 - 1 * J266 + 1 * J282 - 1 * J288 + 1 * J290 + 2 * J309 + 1 * J322 + 2 * J327 + 2 * J329 + 1 * J333 - 1 * J334 + 1 * J347 + 1 * J350 + 1 * J355 - 1 * J364 - 1 * J375 + 2 * J376 + 1 * J416 - 2 * J436 - 1 * J450 + 1 * J452 + 1 * J467 + 1 * J474$$

$$K243 * \cancel{K755} = 2 * F53 + 1 * F3 - 2 * G117 + 1 * G120 - 1 * G3 + 1 * G33 - 1 * H248 + 1 * H255 + 1 * H5 + 1 * H8 + 1 * H11 - 2 * H53 - 1 * H67 + 1 * H79 + 1 * H109 - 1 * J255 - 1 * J261 - 1 * J264 - 1 * J267 + 1 * J283 - 1 * J289 + 1 * J291 + 2 * J310 + 1 * J323 + 2 * J328 + 2 * J330 + 1 * J334 - 1 * J335 + 1 * J348 + 1 * J351 + 1 * J356 - 1 * J365 - 1 * J376 + 2 * J377 + 1 * J417 - 2 * J437 - 1 * J451 + 1 * J453 + 1 * J468 + 1 * J475$$

$$K244 * K756 = 2 * F54 + 1 * F4 - 2 * G118 + 1 * G121 - 1 * G4 + 1 * G34 - 1 * H249 + 1 * H0 + 1 * H6 + 1 * H9 + 1 * H12 - 2 * H54 - 1 * H68 + 1 * H80 + 1 * H110 - 1 * J256 - 1 * J262 - 1 * J265 - 1 * J268 + 1 * J284 - 1 * J290 + 1 * J292 + 2 * J311 + 1 * J324 + 2 * J329 + 2 * J331 + 1 * J335 - 1 * J336 + 1 * J349 + 1 * J352 + 1 * J357 - 1 * J366 - 1 * J377 + 2 * J378 + 1 * J418 - 2 * J438 - 1 * J452 + 1 * J454 + 1 * J469 + 1 * J476$$

$$K245 * K757 = 2 * F55 + 1 * F5 - 2 * G119 + 1 * G122 - 1 * G5 + 1 * G35 - 1 * H250 + 1 * H1 + 1 * H7 + 1 * H10 + 1 * H13 - 2 * H55 - 1 * H69 + 1 * H81 + 1 * H111 - 1 * J257 - 1 * J263 - 1 * J266 - 1 * J269 + 1 * J285 - 1 * J291 + 1 * J293 + 2 * J312 + 1 * J325 + 2 * J330 + 2 * J332 + 1 * J336 - 1 * J337 + 1 * J350 + 1 * J353 + 1 * J358 - 1 * J367 - 1 * J378 + 2 * J379 + 1 * J419 - 2 * J439 - 1 * J453 + 1 * J455 + 1 * J470 + 1 * J477$$

$$K246 * \cancel{K758} = 2 * F56 + 1 * F6 - 2 * G120 + 1 * G123 - 1 * G6 + 1 * G36 - 1 * H251 + 1 * H2 + 1 * H8 + 1 * H11 + 1 * H14 - 2 * H56 - 1 * H70 + 1 * H82 + 1 * H112 - 1 * J258 - 1 * J264 - 1 * J267 - 1 * J270 + 1 * J286 - 1 * J292 + 1 * J294 + 2 * J313 + 1 * J326 + 2 * J331 + 2 * J333 + 1 * J337 - 1 * J338 + 1 * J351 + 1 * J354 + 1 * J359 - 1 * J368 - 1 * J379 + 2 * J380 + 1 * J420 - 2 * J440 - 1 * J454 + 1 * J456 + 1 * J471 + 1 * J478$$

$$K247 * \cancel{K759} = 2 * F57 + 1 * F7 - 2 * G121 + 1 * G124 - 1 * G7 + 1 * G37 - 1 * H252 + 1 * H3 + 1 * H9 + 1 * H12 + 1 * H15 - 2 * H57 - 1 * H71 + 1 * H83 + 1 * H113 - 1 * J259 - 1 * J265 - 1 * J268 - 1 * J271 + 1 * J287 - 1 * J293 + 1 * J295 + 2 * J314 + 1 * J327 + 2 * J332 + 2 * J334 + 1 * J338 - 1 * J339 + 1 * J352 + 1 * J355 + 1 * J360 - 1 * J369 - 1 * J380 + 2 * J381 + 1 * J421 - 2 * J441 - 1 * J455 + 1 * J457 + 1 * J472 + 1 * J479$$

$$K248 * \cancel{K760} = 2 * F58 + 1 * F8 - 2 * G122 + 1 * G125 - 1 * G8 + 1 * G38 - 1 * H253 + 1 * H4 + 1 * H10 + 1 * H13 + 1 * H16 - 2 * H58 - 1 * H72 + 1 * H84 + 1 * H114 - 1 * J260 - 1 * J266 - 1 * J269 - 1 * J272 + 1 * J288 - 1 * J294 + 1 * J296 + 2 * J315 + 1 * J328 + 2 * J333 + 2 * J335 + 1 * J339 - 1 * J340 + 1 * J353 + 1 * J356 + 1 * J361 - 1 * J370 - 1 * J381 + 2 * J382 + 1 * J422 - 2 * J442 - 1 * J456 + 1 * J458 + 1 * J473 + 1 * J480$$

$$K249 * K761 = 2 * F59 + 1 * F9 - 2 * G123 + 1 * G126 - 1 * G9 + 1 * G39 - 1 * H254 + 1 * H5 + 1 * H11 + 1 * H14 + 1 * H17 - 2 * H59 - 1 * H73 + 1 * H85 + 1 * H115 - 1 * J261 - 1 * J267 - 1 * J270 - 1 * J273 + 1 * J289 - 1 * J295 + 1 * J297 + 2 * J316 + 1 * J329 + 2 * J334 + 2 * J336 + 1 * J340 - 1 * J341 + 1 * J354 + 1 * J357 + 1 * J362 - 1 * J371 - 1 * J382 + 2 * J383 + 1 * J423 - 2 * J443 - 1 * J457 + 1 * J459 + 1 * J474 + 1 * J481$$

$$K250 * \cancel{K762} = 2 * F60 + 1 * F10 - 2 * G124 + 1 * G127 - 1 * G10 + 1 * G40 - 1 * H255 + 1 * H6 + 1 * H12 + 1 * H15 + 1 * H18 - 2 * H60 - 1 * H74 + 1 * H86 + 1 * H116 - 1 * J262 - 1 * J268 - 1 * J271 - 1 * J274 + 1 * J290 - 1 * J296 + 1 * J298 + 2 * J317 + 1 * J330 + 2 * J335 + 2 * J337 + 1 * J341 - 1 * J342 + 1 * J355 + 1 * J358 + 1 * J363 - 1 * J372 - 1 * J383 + 2 * J384 + 1 * J424 - 2 * J444 - 1 * J458 + 1 * J460 + 1 * J475 + 1 * J482$$

$$K251 * \cancel{K763} = 2 * F61 + 1 * F11 - 2 * G125 + 1 * G0 - 1 * G11 + 1 * G41 - 1 * H0 + 1 * H7 + 1 * H13 + 1 * H16 + 1 * H19 - 2 * H61 - 1 * H75 + 1 * H87 + 1 * H117 - 1 * J263 - 1 * J269 - 1 * J272 - 1 * J275 + 1 * J291 - 1 * J297 + 1 * J299 + 2 * J318 + 1 * J331 + 2 * J336 + 2 * J338 + 1 * J342 - 1 * J343 + 1 * J356 + 1 * J359 + 1 * J364 - 1 * J373 - 1 * J384 + 2 * J385 + 1 * J425 - 2 * J445 - 1 * J459 + 1 * J461 + 1 * J476 + 1 * J483$$

$$K252 * K764 = 2 * F62 + 1 * F12 - 2 * G126 + 1 * G1 - 1 * G12 + 1 * G42 - 1 * H1 + 1 * H8 + 1 * H14 + 1 * H17 + 1 * H20 - 2 * H62 - 1 * H76 + 1 * H88 + 1 * H118 - 1 * J264 - 1 * J270 - 1 * J273 - 1 * J276 + 1 * J292 - 1 * J298 + 1 * J300 + 2 * J319 + 1 * J332 + 2 * J337 + 2 * J339 + 1 * J343 - 1 * J344 + 1 * J357 + 1 * J360 + 1 * J365 - 1 * J374 - 1 * J385 + 2 * J386 + 1 * J426 - 2 * J446 - 1 * J460 + 1 * J462 + 1 * J477 + 1 * J484$$

$$K253 * K765 = 2 * F63 + 1 * F13 - 2 * G127 + 1 * G2 - 1 * G13 + 1 * G43 - 1 * H2 + 1 * H9 + 1 * H15 + 1 * H18 + 1 * H21 - 2 * H63 - 1 * H77 + 1 * H89 + 1 * H119 - 1 * J265 - 1 * J271 - 1 * J274 - 1 * J277 + 1 * J293 - 1 * J299 + 1 * J301 + 2 * J320 + 1 * J333 + 2 * J338 + 2 * J340 + 1 * J344 - 1 * J345 + 1 * J358 + 1 * J361 + 1 * J366 - 1 * J375 - 1 * J386 + 2 * J387 + 1 * J427 - 2 * J447 - 1 * J461 + 1 * J463 + 1 * J478 + 1 * J485$$

$$K254 * K766 = 2 * F0 + 1 * F14 - 2 * G0 + 1 * G3 - 1 * G14 + 1 * G44 - 1 * H3 + 1 * H10 + 1 * H16 + 1 * H19 + 1 * H22 - 2 * H64 - 1 * H78 + 1 * H90 + 1 * H120 - 1 * J266 - 1 * J272 - 1 * J275 - 1 * J278 + 1 * J294 - 1 * J300 + 1 * J302 + 2 * J321 + 1 * J334 + 2 * J339 + 2 * J341 + 1 * J345 - 1 * J346 + 1 * J359 + 1 * J362 + 1 * J367 - 1 * J376 - 1 * J387 + 2 * J388 + 1 * J428 - 2 * J448 - 1 * J462 + 1 * J464 + 1 * J479 + 1 * J486$$

$$\cancel{K255} * K767 = 2 * F1 + 1 * F15 - 2 * G1 + 1 * G4 - 1 * G15 + 1 * G45 - 1 * H4 + 1 * H11 + 1 * H17 + 1 * H20 + 1 * H23 - 2 * H65 - 1 * H79 + 1 * H91 + 1 * H121 - 1 * J267 - 1 * J273 - 1 * J276 - 1 * J279 + 1 * J295 - 1 * J301 + 1 * J303 + 2 * J322 + 1 * J335 + 2 * J340 + 2 * J342 + 1 * J346 - 1 * J347 + 1 * J360 + 1 * J363 + 1 * J368 - 1 * J377 - 1 * J388 + 2 * J389 + 1 * J429 - 2 * J449 - 1 * J463 + 1 * J465 + 1 * J480 + 1 * J487$$

$$K256 * K768 = 2 * F2 + 1 * F16 - 2 * G2 + 1 * G5 - 1 * G16 + 1 * G46 - 1 * H5 + 1 * H12 + 1 * H18 + 1 * H21 + 1 * H24 - 2 * H66 - 1 * H80 + 1 * H92 + 1 * H122 - 1 * J268 - 1 * J274 - 1 * J277 - 1 * J280 + 1 * J296 - 1 * J302 + 1 * J304 + 2 * J323 + 1 * J336 + 2 * J341 + 2 * J343 + 1 * J347 - 1 * J348 + 1 * J361 + 1 * J364 + 1 * J369 - 1 * J378 - 1 * J389 + 2 * J390 + 1 * J430 - 2 * J450 - 1 * J464 + 1 * J466 + 1 * J481 + 1 * J488$$

$$K257 * K769 = 2 * F3 + 1 * F17 - 2 * G3 + 1 * G6 - 1 * G17 + 1 * G47 - 1 * H6 + 1 * H13 + 1 * H19 + 1 * H22 + 1 * H25 - 2 * H67 - 1 * H81 + 1 * H93 + 1 * H123 - 1 * J269 - 1 * J275 - 1 * J278 - 1 * J281 + 1 * J297 - 1 * J303 + 1 * J305 + 2 * J324 + 1 * J337 + 2 * J342 + 2 * J344 + 1 * J348 - 1 * J349 + 1 * J362 + 1 * J365 + 1 * J370 - 1 * J379 - 1 * J390 + 2 * J391 + 1 * J431 - 2 * J451 - 1 * J465 + 1 * J467 + 1 * J482 + 1 * J489$$

$$K258 * \cancel{K770} = 2*F4 + 1*F18 - 2*G4 + 1*G7 - 1*G18 + 1*G48 - 1*H7 + 1*H14 + 1*H20 + 1*H23 + 1*H26 - 2*H68 - 1*H82 + 1*H94 + 1*H124 - 1*J270 - 1*J276 - 1*J279 - 1*J282 + 1*J298 - 1*J304 + 1*J306 + 2*J325 + 1*J338 + 2*J343 + 2*J345 + 1*J349 - 1*J350 + 1*J363 + 1*J366 + 1*J371 - 1*J380 - 1*J391 + 2*J392 + 1*J432 - 2*J452 - 1*J466 + 1*J468 + 1*J483 + 1*J490$$

$$K259 * \cancel{K771} = 2*F5 + 1*F19 - 2*G5 + 1*G8 - 1*G19 + 1*G49 - 1*H8 + 1*H15 + 1*H21 + 1*H24 + 1*H27 - 2*H69 - 1*H83 + 1*H95 + 1*H125 - 1*J271 - 1*J277 - 1*J280 - 1*J283 + 1*J299 - 1*J305 + 1*J307 + 2*J326 + 1*J339 + 2*J344 + 2*J346 + 1*J350 - 1*J351 + 1*J364 + 1*J367 + 1*J372 - 1*J381 - 1*J392 + 2*J393 + 1*J433 - 2*J453 - 1*J467 + 1*J469 + 1*J484 + 1*J491$$

$$K260 * \cancel{K772} = 2*F6 + 1*F20 - 2*G6 + 1*G9 - 1*G20 + 1*G50 - 1*H9 + 1*H16 + 1*H22 + 1*H25 + 1*H28 - 2*H70 - 1*H84 + 1*H96 + 1*H126 - 1*J272 - 1*J278 - 1*J281 - 1*J284 + 1*J300 - 1*J306 + 1*J308 + 2*J327 + 1*J340 + 2*J345 + 2*J347 + 1*J351 - 1*J352 + 1*J365 + 1*J368 + 1*J373 - 1*J382 - 1*J393 + 2*J394 + 1*J434 - 2*J454 - 1*J468 + 1*J470 + 1*J485 + 1*J492$$

$$K261 * \cancel{K773} = 2*F7 + 1*F21 - 2*G7 + 1*G10 - 1*G21 + 1*G51 - 1*H10 + 1*H17 + 1*H23 + 1*H26 + 1*H29 - 2*H71 - 1*H85 + 1*H97 + 1*H127 - 1*J273 - 1*J279 - 1*J282 - 1*J285 + 1*J301 - 1*J307 + 1*J309 + 2*J328 + 1*J341 + 2*J346 + 2*J348 + 1*J352 - 1*J353 + 1*J366 + 1*J369 + 1*J374 - 1*J383 - 1*J394 + 2*J395 + 1*J435 - 2*J455 - 1*J469 + 1*J471 + 1*J486 + 1*J493$$

$$K262 * \cancel{K774} = 2*F8 + 1*F22 - 2*G8 + 1*G11 - 1*G22 + 1*G52 - 1*H11 + 1*H18 + 1*H24 + 1*H27 + 1*H30 - 2*H72 - 1*H86 + 1*H98 + 1*H128 - 1*J274 - 1*J280 - 1*J283 - 1*J286 + 1*J302 - 1*J308 + 1*J310 + 2*J329 + 1*J342 + 2*J347 + 2*J349 + 1*J353 - 1*J354 + 1*J367 + 1*J370 + 1*J375 - 1*J384 - 1*J395 + 2*J396 + 1*J436 - 2*J456 - 1*J470 + 1*J472 + 1*J487 + 1*J494$$

$$K263 * \cancel{K775} = 2*F9 + 1*F23 - 2*G9 + 1*G12 - 1*G23 + 1*G53 - 1*H12 + 1*H19 + 1*H25 + 1*H28 + 1*H31 - 2*H73 - 1*H87 + 1*H99 + 1*H129 - 1*J275 - 1*J281 - 1*J284 - 1*J287 + 1*J303 - 1*J309 + 1*J311 + 2*J330 + 1*J343 + 2*J348 + 2*J350 + 1*J354 - 1*J355 + 1*J368 + 1*J371 + 1*J376 - 1*J385 - 1*J396 + 2*J397 + 1*J437 - 2*J457 - 1*J471 + 1*J473 + 1*J488 + 1*J495$$

$$K264 * K776 = 2*F10 + 1*F24 - 2*G10 + 1*G13 - 1*G24 + 1*G54 - 1*H13 + 1*H20 + 1*H26 + 1*H29 + 1*H32 - 2*H74 - 1*H88 + 1*H100 + 1*H130 - 1*J276 - 1*J282 - 1*J285 - 1*J288 + 1*J304 - 1*J310 + 1*J312 + 2*J331 + 1*J344 + 2*J349 + 2*J351 + 1*J355 - 1*J356 + 1*J369 + 1*J372 + 1*J377 - 1*J386 - 1*J397 + 2*J398 + 1*J438 - 2*J458 - 1*J472 + 1*J474 + 1*J489 + 1*J496$$

$$K265 * K777 = 2*F11 + 1*F25 - 2*G11 + 1*G14 - 1*G25 + 1*G55 - 1*H14 + 1*H21 + 1*H27 + 1*H30 + 1*H33 - 2*H75 - 1*H89 + 1*H101 + 1*H131 - 1*J277 - 1*J283 - 1*J286 - 1*J289 + 1*J305 - 1*J311 + 1*J313 + 2*J332 + 1*J345 + 2*J350 + 2*J352 + 1*J356 - 1*J357 + 1*J370 + 1*J373 + 1*J378 - 1*J387 - 1*J398 + 2*J399 + 1*J439 - 2*J459 - 1*J473 + 1*J475 + 1*J490 + 1*J497$$

$$K266 * K778 = 2*F12 + 1*F26 - 2*G12 + 1*G15 - 1*G26 + 1*G56 - 1*H15 + 1*H22 + 1*H28 + 1*H31 + 1*H34 - 2*H76 - 1*H90 + 1*H102 + 1*H132 - 1*J278 - 1*J284 - 1*J287 - 1*J290 + 1*J306 - 1*J312 + 1*J314 + 2*J333 + 1*J346 + 2*J351 + 2*J353 + 1*J357 - 1*J358 + 1*J371 + 1*J374 + 1*J379 - 1*J388 - 1*J399 + 2*J400 + 1*J440 - 2*J460 - 1*J474 + 1*J476 + 1*J491 + 1*J498$$

$$K267 * \cancel{K779} = 2*F13 + 1*F27 - 2*G13 + 1*G16 - 1*G27 + 1*G57 - 1*H16 + 1*H23 + 1*H29 + 1*H32 + 1*H35 - 2*H77 - 1*H91 + 1*H103 + 1*H133 - 1*J279 - 1*J285 - 1*J288 - 1*J291 + 1*J307 - 1*J313 + 1*J315 + 2*J334 + 1*J347 + 2*J352 + 2*J354 + 1*J358 - 1*J359 + 1*J372 + 1*J375 + 1*J380 - 1*J389 - 1*J400 + 2*J401 + 1*J441 - 2*J461 - 1*J475 + 1*J477 + 1*J492 + 1*J499$$

$$K268 * K780 = 2 * F14 + 1 * F28 - 2 * G14 + 1 * G17 - 1 * G28 + 1 * G58 - 1 * H17 + 1 * H24 + 1 * H30 + 1 * H33 + 1 * H36 - 2 * H78 - 1 * H92 + 1 * H104 + 1 * H134 - 1 * J280 - 1 * J286 - 1 * J289 - 1 * J292 + 1 * J308 - 1 * J314 + 1 * J316 + 2 * J335 + 1 * J348 + 2 * J353 + 2 * J355 + 1 * J359 - 1 * J360 + 1 * J373 + 1 * J376 + 1 * J381 - 1 * J390 - 1 * J401 + 2 * J402 + 1 * J442 - 2 * J462 - 1 * J476 + 1 * J478 + 1 * J493 + 1 * J500$$

$$K269 * ~~K781~~ = 2 * F15 + 1 * F29 - 2 * G15 + 1 * G18 - 1 * G29 + 1 * G59 - 1 * H18 + 1 * H25 + 1 * H31 + 1 * H34 + 1 * H37 - 2 * H79 - 1 * H93 + 1 * H105 + 1 * H135 - 1 * J281 - 1 * J287 - 1 * J290 - 1 * J293 + 1 * J309 - 1 * J315 + 1 * J317 + 2 * J336 + 1 * J349 + 2 * J354 + 2 * J356 + 1 * J360 - 1 * J361 + 1 * J374 + 1 * J377 + 1 * J382 - 1 * J391 - 1 * J402 + 2 * J403 + 1 * J443 - 2 * J463 - 1 * J477 + 1 * J479 + 1 * J494 + 1 * J501$$

$$K270 * K782 = 2 * F16 + 1 * F30 - 2 * G16 + 1 * G19 - 1 * G30 + 1 * G60 - 1 * H19 + 1 * H26 + 1 * H32 + 1 * H35 + 1 * H38 - 2 * H80 - 1 * H94 + 1 * H106 + 1 * H136 - 1 * J282 - 1 * J288 - 1 * J291 - 1 * J294 + 1 * J310 - 1 * J316 + 1 * J318 + 2 * J337 + 1 * J350 + 2 * J355 + 2 * J357 + 1 * J361 - 1 * J362 + 1 * J375 + 1 * J378 + 1 * J383 - 1 * J392 - 1 * J403 + 2 * J404 + 1 * J444 - 2 * J464 - 1 * J478 + 1 * J480 + 1 * J495 + 1 * J502$$

$$K271 * K783 = 2 * F17 + 1 * F31 - 2 * G17 + 1 * G20 - 1 * G31 + 1 * G61 - 1 * H20 + 1 * H27 + 1 * H33 + 1 * H36 + 1 * H39 - 2 * H81 - 1 * H95 + 1 * H107 + 1 * H137 - 1 * J283 - 1 * J289 - 1 * J292 - 1 * J295 + 1 * J311 - 1 * J317 + 1 * J319 + 2 * J338 + 1 * J351 + 2 * J356 + 2 * J358 + 1 * J362 - 1 * J363 + 1 * J376 + 1 * J379 + 1 * J384 - 1 * J393 - 1 * J404 + 2 * J405 + 1 * J445 - 2 * J465 - 1 * J479 + 1 * J481 + 1 * J496 + 1 * J503$$

$$K272 * K784 = 2 * F18 + 1 * F32 - 2 * G18 + 1 * G21 - 1 * G32 + 1 * G62 - 1 * H21 + 1 * H28 + 1 * H34 + 1 * H37 + 1 * H40 - 2 * H82 - 1 * H96 + 1 * H108 + 1 * H138 - 1 * J284 - 1 * J290 - 1 * J293 - 1 * J296 + 1 * J312 - 1 * J318 + 1 * J320 + 2 * J339 + 1 * J352 + 2 * J357 + 2 * J359 + 1 * J363 - 1 * J364 + 1 * J377 + 1 * J380 + 1 * J385 - 1 * J394 - 1 * J405 + 2 * J406 + 1 * J446 - 2 * J466 - 1 * J480 + 1 * J482 + 1 * J497 + 1 * J504$$

$$K273 * K785 = 2 * F19 + 1 * F33 - 2 * G19 + 1 * G22 - 1 * G33 + 1 * G63 - 1 * H22 + 1 * H29 + 1 * H35 + 1 * H38 + 1 * H41 - 2 * H83 - 1 * H97 + 1 * H109 + 1 * H139 - 1 * J285 - 1 * J291 - 1 * J294 - 1 * J297 + 1 * J313 - 1 * J319 + 1 * J321 + 2 * J340 + 1 * J353 + 2 * J358 + 2 * J360 + 1 * J364 - 1 * J365 + 1 * J378 + 1 * J381 + 1 * J386 - 1 * J395 - 1 * J406 + 2 * J407 + 1 * J447 - 2 * J467 - 1 * J481 + 1 * J483 + 1 * J498 + 1 * J505$$

$$K274 * ~~K786~~ = 2 * F20 + 1 * F34 - 2 * G20 + 1 * G23 - 1 * G34 + 1 * G64 - 1 * H23 + 1 * H30 + 1 * H36 + 1 * H39 + 1 * H42 - 2 * H84 - 1 * H98 + 1 * H110 + 1 * H140 - 1 * J286 - 1 * J292 - 1 * J295 - 1 * J298 + 1 * J314 - 1 * J320 + 1 * J322 + 2 * J341 + 1 * J354 + 2 * J359 + 2 * J361 + 1 * J365 - 1 * J366 + 1 * J379 + 1 * J382 + 1 * J387 - 1 * J396 - 1 * J407 + 2 * J408 + 1 * J448 - 2 * J468 - 1 * J482 + 1 * J484 + 1 * J499 + 1 * J506$$

$$K275 * ~~K787~~ = 2 * F21 + 1 * F35 - 2 * G21 + 1 * G24 - 1 * G35 + 1 * G65 - 1 * H24 + 1 * H31 + 1 * H37 + 1 * H40 + 1 * H43 - 2 * H85 - 1 * H99 + 1 * H111 + 1 * H141 - 1 * J287 - 1 * J293 - 1 * J296 - 1 * J299 + 1 * J315 - 1 * J321 + 1 * J323 + 2 * J342 + 1 * J355 + 2 * J360 + 2 * J362 + 1 * J366 - 1 * J367 + 1 * J380 + 1 * J383 + 1 * J388 - 1 * J397 - 1 * J408 + 2 * J409 + 1 * J449 - 2 * J469 - 1 * J483 + 1 * J485 + 1 * J500 + 1 * J507$$

$$K276 * K788 = 2 * F22 + 1 * F36 - 2 * G22 + 1 * G25 - 1 * G36 + 1 * G66 - 1 * H25 + 1 * H32 + 1 * H38 + 1 * H41 + 1 * H44 - 2 * H86 - 1 * H100 + 1 * H112 + 1 * H142 - 1 * J288 - 1 * J294 - 1 * J297 - 1 * J300 + 1 * J316 - 1 * J322 + 1 * J324 + 2 * J343 + 1 * J356 + 2 * J361 + 2 * J363 + 1 * J367 - 1 * J368 + 1 * J381 + 1 * J384 + 1 * J389 - 1 * J398 - 1 * J409 + 2 * J410 + 1 * J450 - 2 * J470 - 1 * J484 + 1 * J486 + 1 * J501 + 1 * J508$$

$$K277 * ~~K789~~ = 2 * F23 + 1 * F37 - 2 * G23 + 1 * G26 - 1 * G37 + 1 * G67 - 1 * H26 + 1 * H33 + 1 * H39 + 1 * H42 + 1 * H45 - 2 * H87 - 1 * H101 + 1 * H113 + 1 * H143 - 1 * J289 - 1 * J295 - 1 * J298 - 1 * J301 + 1 * J317 - 1 * J323 + 1 * J325 + 2 * J344 + 1 * J357 + 2 * J362 + 2 * J364 + 1 * J368 - 1 * J369 + 1 * J382 + 1 * J385 + 1 * J390 - 1 * J399 - 1 * J410 + 2 * J411 + 1 * J451 - 2 * J471 - 1 * J485 + 1 * J487 + 1 * J502 + 1 * J509$$

$$K278 * \cancel{K790} = 2 * F24 + 1 * F38 - 2 * G24 + 1 * G27 - 1 * G38 + 1 * G68 - 1 * H27 + 1 * H34 + 1 * H40 + 1 * H43 + 1 * H46 - 2 * H88 - 1 * H102 + 1 * H114 + 1 * H144 - 1 * J290 - 1 * J296 - 1 * J299 - 1 * J302 + 1 * J318 - 1 * J324 + 1 * J326 + 2 * J345 + 1 * J358 + 2 * J363 + 2 * J365 + 1 * J369 - 1 * J370 + 1 * J383 + 1 * J386 + 1 * J391 - 1 * J400 - 1 * J411 + 2 * J412 + 1 * J452 - 2 * J472 - 1 * J486 + 1 * J488 + 1 * J503 + 1 * J510$$

$$K279 * \cancel{K791} = 2 * F25 + 1 * F39 - 2 * G25 + 1 * G28 - 1 * G39 + 1 * G69 - 1 * H28 + 1 * H35 + 1 * H41 + 1 * H44 + 1 * H47 - 2 * H89 - 1 * H103 + 1 * H115 + 1 * H145 - 1 * J291 - 1 * J297 - 1 * J300 - 1 * J303 + 1 * J319 - 1 * J325 + 1 * J327 + 2 * J346 + 1 * J359 + 2 * J364 + 2 * J366 + 1 * J370 - 1 * J371 + 1 * J384 + 1 * J387 + 1 * J392 - 1 * J401 - 1 * J412 + 2 * J413 + 1 * J453 - 2 * J473 - 1 * J487 + 1 * J489 + 1 * J504 + 1 * J511$$

$$K280 * \cancel{K792} = 2 * F26 + 1 * F40 - 2 * G26 + 1 * G29 - 1 * G40 + 1 * G70 - 1 * H29 + 1 * H36 + 1 * H42 + 1 * H45 + 1 * H48 - 2 * H90 - 1 * H104 + 1 * H116 + 1 * H146 - 1 * J292 - 1 * J298 - 1 * J301 - 1 * J304 + 1 * J320 - 1 * J326 + 1 * J328 + 2 * J347 + 1 * J360 + 2 * J365 + 2 * J367 + 1 * J371 - 1 * J372 + 1 * J385 + 1 * J388 + 1 * J393 - 1 * J402 - 1 * J413 + 2 * J414 + 1 * J454 - 2 * J474 - 1 * J488 + 1 * J490 + 1 * J505 + 1 * J0$$

$$K281 * K793 = 2 * F27 + 1 * F41 - 2 * G27 + 1 * G30 - 1 * G41 + 1 * G71 - 1 * H30 + 1 * H37 + 1 * H43 + 1 * H46 + 1 * H49 - 2 * H91 - 1 * H105 + 1 * H117 + 1 * H147 - 1 * J293 - 1 * J299 - 1 * J302 - 1 * J305 + 1 * J321 - 1 * J327 + 1 * J329 + 2 * J348 + 1 * J361 + 2 * J366 + 2 * J368 + 1 * J372 - 1 * J373 + 1 * J386 + 1 * J389 + 1 * J394 - 1 * J403 - 1 * J414 + 2 * J415 + 1 * J455 - 2 * J475 - 1 * J489 + 1 * J491 + 1 * J506 + 1 * J1$$

$$K282 * K794 = 2 * F28 + 1 * F42 - 2 * G28 + 1 * G31 - 1 * G42 + 1 * G72 - 1 * H31 + 1 * H38 + 1 * H44 + 1 * H47 + 1 * H50 - 2 * H92 - 1 * H106 + 1 * H118 + 1 * H148 - 1 * J294 - 1 * J300 - 1 * J303 - 1 * J306 + 1 * J322 - 1 * J328 + 1 * J330 + 2 * J349 + 1 * J362 + 2 * J367 + 2 * J369 + 1 * J373 - 1 * J374 + 1 * J387 + 1 * J390 + 1 * J395 - 1 * J404 - 1 * J415 + 2 * J416 + 1 * J456 - 2 * J476 - 1 * J490 + 1 * J492 + 1 * J507 + 1 * J2$$

$$K283 * K795 = 2 * F29 + 1 * F43 - 2 * G29 + 1 * G32 - 1 * G43 + 1 * G73 - 1 * H32 + 1 * H39 + 1 * H45 + 1 * H48 + 1 * H51 - 2 * H93 - 1 * H107 + 1 * H119 + 1 * H149 - 1 * J295 - 1 * J301 - 1 * J304 - 1 * J307 + 1 * J323 - 1 * J329 + 1 * J331 + 2 * J350 + 1 * J363 + 2 * J368 + 2 * J370 + 1 * J374 - 1 * J375 + 1 * J388 + 1 * J391 + 1 * J396 - 1 * J405 - 1 * J416 + 2 * J417 + 1 * J457 - 2 * J477 - 1 * J491 + 1 * J493 + 1 * J508 + 1 * J3$$

$$K284 * K796 = 2 * F30 + 1 * F44 - 2 * G30 + 1 * G33 - 1 * G44 + 1 * G74 - 1 * H33 + 1 * H40 + 1 * H46 + 1 * H49 + 1 * H52 - 2 * H94 - 1 * H108 + 1 * H120 + 1 * H150 - 1 * J296 - 1 * J302 - 1 * J305 - 1 * J308 + 1 * J324 - 1 * J330 + 1 * J332 + 2 * J351 + 1 * J364 + 2 * J369 + 2 * J371 + 1 * J375 - 1 * J376 + 1 * J389 + 1 * J392 + 1 * J397 - 1 * J406 - 1 * J417 + 2 * J418 + 1 * J458 - 2 * J478 - 1 * J492 + 1 * J494 + 1 * J509 + 1 * J4$$

$$K285 * \cancel{K797} = 2 * F31 + 1 * F45 - 2 * G31 + 1 * G34 - 1 * G45 + 1 * G75 - 1 * H34 + 1 * H41 + 1 * H47 + 1 * H50 + 1 * H53 - 2 * H95 - 1 * H109 + 1 * H121 + 1 * H151 - 1 * J297 - 1 * J303 - 1 * J306 - 1 * J309 + 1 * J325 - 1 * J331 + 1 * J333 + 2 * J352 + 1 * J365 + 2 * J370 + 2 * J372 + 1 * J376 - 1 * J377 + 1 * J390 + 1 * J393 + 1 * J398 - 1 * J407 - 1 * J418 + 2 * J419 + 1 * J459 - 2 * J479 - 1 * J493 + 1 * J495 + 1 * J510 + 1 * J5$$

$$K286 * K798 = 2 * F32 + 1 * F46 - 2 * G32 + 1 * G35 - 1 * G46 + 1 * G76 - 1 * H35 + 1 * H42 + 1 * H48 + 1 * H51 + 1 * H54 - 2 * H96 - 1 * H110 + 1 * H122 + 1 * H152 - 1 * J298 - 1 * J304 - 1 * J307 - 1 * J310 + 1 * J326 - 1 * J332 + 1 * J334 + 2 * J353 + 1 * J366 + 2 * J371 + 2 * J373 + 1 * J377 - 1 * J378 + 1 * J391 + 1 * J394 + 1 * J399 - 1 * J408 - 1 * J419 + 2 * J420 + 1 * J460 - 2 * J480 - 1 * J494 + 1 * J496 + 1 * J511 + 1 * J6$$

$$\cancel{K287} * K799 = 2 * F33 + 1 * F47 - 2 * G33 + 1 * G36 - 1 * G47 + 1 * G77 - 1 * H36 + 1 * H43 + 1 * H49 + 1 * H52 + 1 * H55 - 2 * H97 - 1 * H111 + 1 * H123 + 1 * H153 - 1 * J299 - 1 * J305 - 1 * J308 - 1 * J311 + 1 * J327 - 1 * J333 + 1 * J335 + 2 * J354 + 1 * J367 + 2 * J372 + 2 * J374 + 1 * J378 - 1 * J379 + 1 * J392 + 1 * J395 + 1 * J400 - 1 * J409 - 1 * J420 + 2 * J421 + 1 * J461 - 2 * J481 - 1 * J495 + 1 * J497 + 1 * J0 + 1 * J7$$

$$1*J418 - 1*J429 + 2*J430 + 1*J470 - 2*J490 - 1*J504 + 1*J506 + 1*J9 + 1*J16$$

$$K297 * \del{K809} = 2*F43 + 1*F57 - 2*G43 + 1*G46 - 1*G57 + 1*G87 - 1*H46 + 1*H53 + 1*H59 + 1*H62 + 1*H65 - 2*H107 - 1*H121 + 1*H133 + 1*H163 - 1*J309 - 1*J315 - 1*J318 - 1*J321 + 1*J337 - 1*J343 + 1*J345 + 2*J364 + 1*J377 + 2*J382 + 2*J384 + 1*J388 - 1*J389 + 1*J402 + 1*J405 + 1*J410 - 1*J419 - 1*J430 + 2*J431 + 1*J471 - 2*J491 - 1*J505 + 1*J507 + 1*J10 + 1*J17$$

$$K298 * \del{K810} = 2*F44 + 1*F58 - 2*G44 + 1*G47 - 1*G58 + 1*G88 - 1*H47 + 1*H54 + 1*H60 + 1*H63 + 1*H66 - 2*H108 - 1*H122 + 1*H134 + 1*H164 - 1*J310 - 1*J316 - 1*J319 - 1*J322 + 1*J338 - 1*J344 + 1*J346 + 2*J365 + 1*J378 + 2*J383 + 2*J385 + 1*J389 - 1*J390 + 1*J403 + 1*J406 + 1*J411 - 1*J420 - 1*J431 + 2*J432 + 1*J472 - 2*J492 - 1*J506 + 1*J508 + 1*J11 + 1*J18$$

$$K299 * \del{K811} = 2*F45 + 1*F59 - 2*G45 + 1*G48 - 1*G59 + 1*G89 - 1*H48 + 1*H55 + 1*H61 + 1*H64 + 1*H67 - 2*H109 - 1*H123 + 1*H135 + 1*H165 - 1*J311 - 1*J317 - 1*J320 - 1*J323 + 1*J339 - 1*J345 + 1*J347 + 2*J366 + 1*J379 + 2*J384 + 2*J386 + 1*J390 - 1*J391 + 1*J404 + 1*J407 + 1*J412 - 1*J421 - 1*J432 + 2*J433 + 1*J473 - 2*J493 - 1*J507 + 1*J509 + 1*J12 + 1*J19$$

$$K300 * K812 = 2*F46 + 1*F60 - 2*G46 + 1*G49 - 1*G60 + 1*G90 - 1*H49 + 1*H56 + 1*H62 + 1*H65 + 1*H68 - 2*H110 - 1*H124 + 1*H136 + 1*H166 - 1*J312 - 1*J318 - 1*J321 - 1*J324 + 1*J340 - 1*J346 + 1*J348 + 2*J367 + 1*J380 + 2*J385 + 2*J387 + 1*J391 - 1*J392 + 1*J405 + 1*J408 + 1*J413 - 1*J422 - 1*J433 + 2*J434 + 1*J474 - 2*J494 - 1*J508 + 1*J510 + 1*J13 + 1*J20$$

$$K301 * K813 = 2*F47 + 1*F61 - 2*G47 + 1*G50 - 1*G61 + 1*G91 - 1*H50 + 1*H57 + 1*H63 + 1*H66 + 1*H69 - 2*H111 - 1*H125 + 1*H137 + 1*H167 - 1*J313 - 1*J319 - 1*J322 - 1*J325 + 1*J341 - 1*J347 + 1*J349 + 2*J368 + 1*J381 + 2*J386 + 2*J388 + 1*J392 - 1*J393 + 1*J406 + 1*J409 + 1*J414 - 1*J423 - 1*J434 + 2*J435 + 1*J475 - 2*J495 - 1*J509 + 1*J511 + 1*J14 + 1*J21$$

$$K302 * \del{K814} = 2*F48 + 1*F62 - 2*G48 + 1*G51 - 1*G62 + 1*G92 - 1*H51 + 1*H58 + 1*H64 + 1*H67 + 1*H70 - 2*H112 - 1*H126 + 1*H138 + 1*H168 - 1*J314 - 1*J320 - 1*J323 - 1*J326 + 1*J342 - 1*J348 + 1*J350 + 2*J369 + 1*J382 + 2*J387 + 2*J389 + 1*J393 - 1*J394 + 1*J407 + 1*J410 + 1*J415 - 1*J424 - 1*J435 + 2*J436 + 1*J476 - 2*J496 - 1*J510 + 1*J0 + 1*J15 + 1*J22$$

$$K303 * K815 = 2*F49 + 1*F63 - 2*G49 + 1*G52 - 1*G63 + 1*G93 - 1*H52 + 1*H59 + 1*H65 + 1*H68 + 1*H71 - 2*H113 - 1*H127 + 1*H139 + 1*H169 - 1*J315 - 1*J321 - 1*J324 - 1*J327 + 1*J343 - 1*J349 + 1*J351 + 2*J370 + 1*J383 + 2*J388 + 2*J390 + 1*J394 - 1*J395 + 1*J408 + 1*J411 + 1*J416 - 1*J425 - 1*J436 + 2*J437 + 1*J477 - 2*J497 - 1*J511 + 1*J1 + 1*J16 + 1*J23$$

$$K304 * \del{K816} = 2*F50 + 1*F0 - 2*G50 + 1*G53 - 1*G64 + 1*G94 - 1*H53 + 1*H60 + 1*H66 + 1*H69 + 1*H72 - 2*H114 - 1*H128 + 1*H140 + 1*H170 - 1*J316 - 1*J322 - 1*J325 - 1*J328 + 1*J344 - 1*J350 + 1*J352 + 2*J371 + 1*J384 + 2*J389 + 2*J391 + 1*J395 - 1*J396 + 1*J409 + 1*J412 + 1*J417 - 1*J426 - 1*J437 + 2*J438 + 1*J478 - 2*J498 - 1*J0 + 1*J2 + 1*J17 + 1*J24$$

$$K305 * K817 = 2*F51 + 1*F1 - 2*G51 + 1*G54 - 1*G65 + 1*G95 - 1*H54 + 1*H61 + 1*H67 + 1*H70 + 1*H73 - 2*H115 - 1*H129 + 1*H141 + 1*H171 -$$

1*J317 - 1*J323 - 1*J326 - 1*J329 + 1*J345 - 1*J351 + 1*J353 + 2*J372 +
1*J385 + 2*J390 + 2*J392 + 1*J396 - 1*J397 + 1*J410 + 1*J413 + 1*J418 -
1*J427 - 1*J438 + 2*J439 + 1*J479 - 2*J499 - 1*J1 + 1*J3 + 1*J18 + 1*J25

K306 * K818 = 2*F52 + 1*F2 - 2*G52 + 1*G55 - 1*G66 + 1*G96 - 1*H55 +
1*H62 + 1*H68 + 1*H71 + 1*H74 - 2*H116 - 1*H130 + 1*H142 + 1*H172 -
1*J318 - 1*J324 - 1*J327 - 1*J330 + 1*J346 - 1*J352 + 1*J354 + 2*J373 +
1*J386 + 2*J391 + 2*J393 + 1*J397 - 1*J398 + 1*J411 + 1*J414 + 1*J419 -
1*J428 - 1*J439 + 2*J440 + 1*J480 - 2*J500 - 1*J2 + 1*J4 + 1*J19 + 1*J26

K307 * K819 = 2*F53 + 1*F3 - 2*G53 + 1*G56 - 1*G67 + 1*G97 - 1*H56 +
1*H63 + 1*H69 + 1*H72 + 1*H75 - 2*H117 - 1*H131 + 1*H143 + 1*H173 -
1*J319 - 1*J325 - 1*J328 - 1*J331 + 1*J347 - 1*J353 + 1*J355 + 2*J374 +
1*J387 + 2*J392 + 2*J394 + 1*J398 - 1*J399 + 1*J412 + 1*J415 + 1*J420 -
1*J429 - 1*J440 + 2*J441 + 1*J481 - 2*J501 - 1*J3 + 1*J5 + 1*J20 + 1*J27

K308 * ~~K820~~ = 2*F54 + 1*F4 - 2*G54 + 1*G57 - 1*G68 + 1*G98 - 1*H57 +
1*H64 + 1*H70 + 1*H73 + 1*H76 - 2*H118 - 1*H132 + 1*H144 + 1*H174 -
1*J320 - 1*J326 - 1*J329 - 1*J332 + 1*J348 - 1*J354 + 1*J356 + 2*J375 +
1*J388 + 2*J393 + 2*J395 + 1*J399 - 1*J400 + 1*J413 + 1*J416 + 1*J421 -
1*J430 - 1*J441 + 2*J442 + 1*J482 - 2*J502 - 1*J4 + 1*J6 + 1*J21 + 1*J28

K309 * K821 = 2*F55 + 1*F5 - 2*G55 + 1*G58 - 1*G69 + 1*G99 - 1*H58 +
1*H65 + 1*H71 + 1*H74 + 1*H77 - 2*H119 - 1*H133 + 1*H145 + 1*H175 -
1*J321 - 1*J327 - 1*J330 - 1*J333 + 1*J349 - 1*J355 + 1*J357 + 2*J376 +
1*J389 + 2*J394 + 2*J396 + 1*J400 - 1*J401 + 1*J414 + 1*J417 + 1*J422 -
1*J431 - 1*J442 + 2*J443 + 1*J483 - 2*J503 - 1*J5 + 1*J7 + 1*J22 + 1*J29

K310 * K822 = 2*F56 + 1*F6 - 2*G56 + 1*G59 - 1*G70 + 1*G100 - 1*H59 +
1*H66 + 1*H72 + 1*H75 + 1*H78 - 2*H120 - 1*H134 + 1*H146 + 1*H176 -
1*J322 - 1*J328 - 1*J331 - 1*J334 + 1*J350 - 1*J356 + 1*J358 + 2*J377 +
1*J390 + 2*J395 + 2*J397 + 1*J401 - 1*J402 + 1*J415 + 1*J418 + 1*J423 -
1*J432 - 1*J443 + 2*J444 + 1*J484 - 2*J504 - 1*J6 + 1*J8 + 1*J23 + 1*J30

K311 * K823 = 2*F57 + 1*F7 - 2*G57 + 1*G60 - 1*G71 + 1*G101 - 1*H60 +
1*H67 + 1*H73 + 1*H76 + 1*H79 - 2*H121 - 1*H135 + 1*H147 + 1*H177 -
1*J323 - 1*J329 - 1*J332 - 1*J335 + 1*J351 - 1*J357 + 1*J359 + 2*J378 +
1*J391 + 2*J396 + 2*J398 + 1*J402 - 1*J403 + 1*J416 + 1*J419 + 1*J424 -
1*J433 - 1*J444 + 2*J445 + 1*J485 - 2*J505 - 1*J7 + 1*J9 + 1*J24 + 1*J31

K312 * K824 = 2*F58 + 1*F8 - 2*G58 + 1*G61 - 1*G72 + 1*G102 - 1*H61 +
1*H68 + 1*H74 + 1*H77 + 1*H80 - 2*H122 - 1*H136 + 1*H148 + 1*H178 -
1*J324 - 1*J330 - 1*J333 - 1*J336 + 1*J352 - 1*J358 + 1*J360 + 2*J379 +
1*J392 + 2*J397 + 2*J399 + 1*J403 - 1*J404 + 1*J417 + 1*J420 + 1*J425 -
1*J434 - 1*J445 + 2*J446 + 1*J486 - 2*J506 - 1*J8 + 1*J10 + 1*J25 + 1*J32

K313 * ~~K825~~ = 2*F59 + 1*F9 - 2*G59 + 1*G62 - 1*G73 + 1*G103 - 1*H62 +
1*H69 + 1*H75 + 1*H78 + 1*H81 - 2*H123 - 1*H137 + 1*H149 + 1*H179 -
1*J325 - 1*J331 - 1*J334 - 1*J337 + 1*J353 - 1*J359 + 1*J361 + 2*J380 +
1*J393 + 2*J398 + 2*J400 + 1*J404 - 1*J405 + 1*J418 + 1*J421 + 1*J426 -
1*J435 - 1*J446 + 2*J447 + 1*J487 - 2*J507 - 1*J9 + 1*J11 + 1*J26 + 1*J33

K314 * ~~K826~~ = 2*F60 + 1*F10 - 2*G60 + 1*G63 - 1*G74 + 1*G104 - 1*H63 +
1*H70 + 1*H76 + 1*H79 + 1*H82 - 2*H124 - 1*H138 + 1*H150 + 1*H180 -
1*J326 - 1*J332 - 1*J335 - 1*J338 + 1*J354 - 1*J360 + 1*J362 + 2*J381 +
1*J394 + 2*J399 + 2*J401 + 1*J405 - 1*J406 + 1*J419 + 1*J422 + 1*J427 -
1*J436 - 1*J447 + 2*J448 + 1*J488 - 2*J508 - 1*J10 + 1*J12 + 1*J27 +
1*J34

$$K315 * \cancel{K827} = 2 * F61 + 1 * F11 - 2 * G61 + 1 * G64 - 1 * G75 + 1 * G105 - 1 * H64 + 1 * H71 + 1 * H77 + 1 * H80 + 1 * H83 - 2 * H125 - 1 * H139 + 1 * H151 + 1 * H181 - 1 * J327 - 1 * J333 - 1 * J336 - 1 * J339 + 1 * J355 - 1 * J361 + 1 * J363 + 2 * J382 + 1 * J395 + 2 * J400 + 2 * J402 + 1 * J406 - 1 * J407 + 1 * J420 + 1 * J423 + 1 * J428 - 1 * J437 - 1 * J448 + 2 * J449 + 1 * J489 - 2 * J509 - 1 * J11 + 1 * J13 + 1 * J28 + 1 * J35$$

$$K316 * K828 = 2 * F62 + 1 * F12 - 2 * G62 + 1 * G65 - 1 * G76 + 1 * G106 - 1 * H65 + 1 * H72 + 1 * H78 + 1 * H81 + 1 * H84 - 2 * H126 - 1 * H140 + 1 * H152 + 1 * H182 - 1 * J328 - 1 * J334 - 1 * J337 - 1 * J340 + 1 * J356 - 1 * J362 + 1 * J364 + 2 * J383 + 1 * J396 + 2 * J401 + 2 * J403 + 1 * J407 - 1 * J408 + 1 * J421 + 1 * J424 + 1 * J429 - 1 * J438 - 1 * J449 + 2 * J450 + 1 * J490 - 2 * J510 - 1 * J12 + 1 * J14 + 1 * J29 + 1 * J36$$

$$K318 * \cancel{K830} = 2 * F0 + 1 * F14 - 2 * G64 + 1 * G67 - 1 * G78 + 1 * G108 - 1 * H67 + 1 * H74 + 1 * H80 + 1 * H83 + 1 * H86 - 2 * H128 - 1 * H142 + 1 * H154 + 1 * H184 - 1 * J330 - 1 * J336 - 1 * J339 - 1 * J342 + 1 * J358 - 1 * J364 + 1 * J366 + 2 * J385 + 1 * J398 + 2 * J403 + 2 * J405 + 1 * J409 - 1 * J410 + 1 * J423 + 1 * J426 + 1 * J431 - 1 * J440 - 1 * J451 + 2 * J452 + 1 * J492 - 2 * J0 - 1 * J14 + 1 * J16 + 1 * J31 + 1 * J38$$

$$K319 * \cancel{K831} = 2 * F1 + 1 * F15 - 2 * G65 + 1 * G68 - 1 * G79 + 1 * G109 - 1 * H68 + 1 * H75 + 1 * H81 + 1 * H84 + 1 * H87 - 2 * H129 - 1 * H143 + 1 * H155 + 1 * H185 - 1 * J331 - 1 * J337 - 1 * J340 - 1 * J343 + 1 * J359 - 1 * J365 + 1 * J367 + 2 * J386 + 1 * J399 + 2 * J404 + 2 * J406 + 1 * J410 - 1 * J411 + 1 * J424 + 1 * J427 + 1 * J432 - 1 * J441 - 1 * J452 + 2 * J453 + 1 * J493 - 2 * J1 - 1 * J15 + 1 * J17 + 1 * J32 + 1 * J39$$

$$K321 * \cancel{K833} = 2 * F3 + 1 * F17 - 2 * G67 + 1 * G70 - 1 * G81 + 1 * G111 - 1 * H70 + 1 * H77 + 1 * H83 + 1 * H86 + 1 * H89 - 2 * H131 - 1 * H145 + 1 * H157 + 1 * H187 - 1 * J333 - 1 * J339 - 1 * J342 - 1 * J345 + 1 * J361 - 1 * J367 + 1 * J369 + 2 * J388 + 1 * J401 + 2 * J406 + 2 * J408 + 1 * J412 - 1 * J413 + 1 * J426 + 1 * J429 + 1 * J434 - 1 * J443 - 1 * J454 + 2 * J455 + 1 * J495 - 2 * J3 - 1 * J17 + 1 * J19 + 1 * J34 + 1 * J41$$

$$K322 * K834 = 2 * F4 + 1 * F18 - 2 * G68 + 1 * G71 - 1 * G82 + 1 * G112 - 1 * H71 + 1 * H78 + 1 * H84 + 1 * H87 + 1 * H90 - 2 * H132 - 1 * H146 + 1 * H158 + 1 * H188 - 1 * J334 - 1 * J340 - 1 * J343 - 1 * J346 + 1 * J362 - 1 * J368 + 1 * J370 + 2 * J389 + 1 * J402 + 2 * J407 + 2 * J409 + 1 * J413 - 1 * J414 + 1 * J427 + 1 * J430 + 1 * J435 - 1 * J444 - 1 * J455 + 2 * J456 + 1 * J496 - 2 * J4 - 1 * J18 + 1 * J20 + 1 * J35 + 1 * J42$$

$$K323 * K835 = 2 * F5 + 1 * F19 - 2 * G69 + 1 * G72 - 1 * G83 + 1 * G113 - 1 * H72 + 1 * H79 + 1 * H85 + 1 * H88 + 1 * H91 - 2 * H133 - 1 * H147 + 1 * H159 + 1 * H189 - 1 * J335 - 1 * J341 - 1 * J344 - 1 * J347 + 1 * J363 - 1 * J369 + 1 * J371 + 2 * J390 + 1 * J403 + 2 * J408 + 2 * J410 + 1 * J414 - 1 * J415 + 1 * J428 + 1 * J431 + 1 * J436 - 1 * J445 - 1 * J456 + 2 * J457 + 1 * J497 - 2 * J5 - 1 * J19 + 1 * J21 + 1 * J36 + 1 * J43$$

$$\cancel{K324} * K836 = 2 * F6 + 1 * F20 - 2 * G70 + 1 * G73 - 1 * G84 + 1 * G114 - 1 * H73 + 1 * H80 + 1 * H86 + 1 * H89 + 1 * H92 - 2 * H134 - 1 * H148 + 1 * H160 + 1 * H190 - 1 * J336 - 1 * J342 - 1 * J345 - 1 * J348 + 1 * J364 - 1 * J370 + 1 * J372 + 2 * J391 + 1 * J404 + 2 * J409 + 2 * J411 + 1 * J415 - 1 * J416 + 1 * J429 + 1 * J432 + 1 * J437 - 1 * J446 - 1 * J457 + 2 * J458 + 1 * J498 - 2 * J6 - 1 * J20 + 1 * J22 + 1 * J37 + 1 * J44$$

$$K325 * K837 = 2 * F7 + 1 * F21 - 2 * G71 + 1 * G74 - 1 * G85 + 1 * G115 - 1 * H74 + 1 * H81 + 1 * H87 + 1 * H90 + 1 * H93 - 2 * H135 - 1 * H149 + 1 * H161 + 1 * H191 - 1 * J337 - 1 * J343 - 1 * J346 - 1 * J349 + 1 * J365 - 1 * J371 + 1 * J373 + 2 * J392 + 1 * J405 + 2 * J410 + 2 * J412 + 1 * J416 - 1 * J417 + 1 * J430 + 1 * J433 + 1 * J438 - 1 * J447 - 1 * J458 + 2 * J459 + 1 * J499 - 2 * J7 - 1 * J21 + 1 * J23 + 1 * J38 + 1 * J45$$

$$K326 * K838 = 2 * F8 + 1 * F22 - 2 * G72 + 1 * G75 - 1 * G86 + 1 * G116 - 1 * H75 + 1 * H82 + 1 * H88 + 1 * H91 + 1 * H94 - 2 * H136 - 1 * H150 + 1 * H162 + 1 * H192 - 1 * J338 - 1 * J344 - 1 * J347 - 1 * J350 + 1 * J366 - 1 * J372 + 1 * J374 + 2 * J393 +$$

1*J406 + 2*J411 + 2*J413 + 1*J417 - 1*J418 + 1*J431 + 1*J434 + 1*J439 -
1*J448 - 1*J459 + 2*J460 + 1*J500 - 2*J8 - 1*J22 + 1*J24 + 1*J39 + 1*J46

K327 * K839 = 2*F9 + 1*F23 - 2*G73 + 1*G76 - 1*G87 + 1*G117 - 1*H76 +
1*H83 + 1*H89 + 1*H92 + 1*H95 - 2*H137 - 1*H151 + 1*H163 + 1*H193 -
1*J339 - 1*J345 - 1*J348 - 1*J351 + 1*J367 - 1*J373 + 1*J375 + 2*J394 +
1*J407 + 2*J412 + 2*J414 + 1*J418 - 1*J419 + 1*J432 + 1*J435 + 1*J440 -
1*J449 - 1*J460 + 2*J461 + 1*J501 - 2*J9 - 1*J23 + 1*J25 + 1*J40 + 1*J47

K328 * K840 = 2*F10 + 1*F24 - 2*G74 + 1*G77 - 1*G88 + 1*G118 - 1*H77 +
1*H84 + 1*H90 + 1*H93 + 1*H96 - 2*H138 - 1*H152 + 1*H164 + 1*H194 -
1*J340 - 1*J346 - 1*J349 - 1*J352 + 1*J368 - 1*J374 + 1*J376 + 2*J395 +
1*J408 + 2*J413 + 2*J415 + 1*J419 - 1*J420 + 1*J433 + 1*J436 + 1*J441 -
1*J450 - 1*J461 + 2*J462 + 1*J502 - 2*J10 - 1*J24 + 1*J26 + 1*J41 + 1*J48

K329 * K841 = 2*F11 + 1*F25 - 2*G75 + 1*G78 - 1*G89 + 1*G119 - 1*H78 +
1*H85 + 1*H91 + 1*H94 + 1*H97 - 2*H139 - 1*H153 + 1*H165 + 1*H195 -
1*J341 - 1*J347 - 1*J350 - 1*J353 + 1*J369 - 1*J375 + 1*J377 + 2*J396 +
1*J409 + 2*J414 + 2*J416 + 1*J420 - 1*J421 + 1*J434 + 1*J437 + 1*J442 -
1*J451 - 1*J462 + 2*J463 + 1*J503 - 2*J11 - 1*J25 + 1*J27 + 1*J42 + 1*J49

K330 * ~~K842~~ = 2*F12 + 1*F26 - 2*G76 + 1*G79 - 1*G90 + 1*G120 - 1*H79 +
1*H86 + 1*H92 + 1*H95 + 1*H98 - 2*H140 - 1*H154 + 1*H166 + 1*H196 -
1*J342 - 1*J348 - 1*J351 - 1*J354 + 1*J370 - 1*J376 + 1*J378 + 2*J397 +
1*J410 + 2*J415 + 2*J417 + 1*J421 - 1*J422 + 1*J435 + 1*J438 + 1*J443 -
1*J452 - 1*J463 + 2*J464 + 1*J504 - 2*J12 - 1*J26 + 1*J28 + 1*J43 + 1*J50

K331 * ~~K843~~ = 2*F13 + 1*F27 - 2*G77 + 1*G80 - 1*G91 + 1*G121 - 1*H80 +
1*H87 + 1*H93 + 1*H96 + 1*H99 - 2*H141 - 1*H155 + 1*H167 + 1*H197 -
1*J343 - 1*J349 - 1*J352 - 1*J355 + 1*J371 - 1*J377 + 1*J379 + 2*J398 +
1*J411 + 2*J416 + 2*J418 + 1*J422 - 1*J423 + 1*J436 + 1*J439 + 1*J444 -
1*J453 - 1*J464 + 2*J465 + 1*J505 - 2*J13 - 1*J27 + 1*J29 + 1*J44 + 1*J51

K332 * K844 = 2*F14 + 1*F28 - 2*G78 + 1*G81 - 1*G92 + 1*G122 - 1*H81 +
1*H88 + 1*H94 + 1*H97 + 1*H100 - 2*H142 - 1*H156 + 1*H168 + 1*H198 -
1*J344 - 1*J350 - 1*J353 - 1*J356 + 1*J372 - 1*J378 + 1*J380 + 2*J399 +
1*J412 + 2*J417 + 2*J419 + 1*J423 - 1*J424 + 1*J437 + 1*J440 + 1*J445 -
1*J454 - 1*J465 + 2*J466 + 1*J506 - 2*J14 - 1*J28 + 1*J30 + 1*J45 + 1*J52

K333 * ~~K845~~ = 2*F15 + 1*F29 - 2*G79 + 1*G82 - 1*G93 + 1*G123 - 1*H82 +
1*H89 + 1*H95 + 1*H98 + 1*H101 - 2*H143 - 1*H157 + 1*H169 + 1*H199 -
1*J345 - 1*J351 - 1*J354 - 1*J357 + 1*J373 - 1*J379 + 1*J381 + 2*J400 +
1*J413 + 2*J418 + 2*J420 + 1*J424 - 1*J425 + 1*J438 + 1*J441 + 1*J446 -
1*J455 - 1*J466 + 2*J467 + 1*J507 - 2*J15 - 1*J29 + 1*J31 + 1*J46 + 1*J53

K334 * K846 = 2*F16 + 1*F30 - 2*G80 + 1*G83 - 1*G94 + 1*G124 - 1*H83 +
1*H90 + 1*H96 + 1*H99 + 1*H102 - 2*H144 - 1*H158 + 1*H170 + 1*H200 -
1*J346 - 1*J352 - 1*J355 - 1*J358 + 1*J374 - 1*J380 + 1*J382 + 2*J401 +
1*J414 + 2*J419 + 2*J421 + 1*J425 - 1*J426 + 1*J439 + 1*J442 + 1*J447 -
1*J456 - 1*J467 + 2*J468 + 1*J508 - 2*J16 - 1*J30 + 1*J32 + 1*J47 + 1*J54

K335 * ~~K847~~ = 2*F17 + 1*F31 - 2*G81 + 1*G84 - 1*G95 + 1*G125 - 1*H84 +
1*H91 + 1*H97 + 1*H100 + 1*H103 - 2*H145 - 1*H159 + 1*H171 + 1*H201 -
1*J347 - 1*J353 - 1*J356 - 1*J359 + 1*J375 - 1*J381 + 1*J383 + 2*J402 +
1*J415 + 2*J420 + 2*J422 + 1*J426 - 1*J427 + 1*J440 + 1*J443 + 1*J448 -
1*J457 - 1*J468 + 2*J469 + 1*J509 - 2*J17 - 1*J31 + 1*J33 + 1*J48 + 1*J55

K336 * ~~K848~~ = 2*F18 + 1*F32 - 2*G82 + 1*G85 - 1*G96 + 1*G126 - 1*H85 +
1*H92 + 1*H98 + 1*H101 + 1*H104 - 2*H146 - 1*H160 + 1*H172 + 1*H202 -
1*J348 - 1*J354 - 1*J357 - 1*J360 + 1*J376 - 1*J382 + 1*J384 + 2*J403 +

$$1*J416 + 2*J421 + 2*J423 + 1*J427 - 1*J428 + 1*J441 + 1*J444 + 1*J449 - 1*J458 - 1*J469 + 2*J470 + 1*J510 - 2*J18 - 1*J32 + 1*J34 + 1*J49 + 1*J56$$

$$K337 * K849 = 2*F19 + 1*F33 - 2*G83 + 1*G86 - 1*G97 + 1*G127 - 1*H86 + 1*H93 + 1*H99 + 1*H102 + 1*H105 - 2*H147 - 1*H161 + 1*H173 + 1*H203 - 1*J349 - 1*J355 - 1*J358 - 1*J361 + 1*J377 - 1*J383 + 1*J385 + 2*J404 + 1*J417 + 2*J422 + 2*J424 + 1*J428 - 1*J429 + 1*J442 + 1*J445 + 1*J450 - 1*J459 - 1*J470 + 2*J471 + 1*J511 - 2*J19 - 1*J33 + 1*J35 + 1*J50 + 1*J57$$

$$K338 * ~~K850~~ = 2*F20 + 1*F34 - 2*G84 + 1*G87 - 1*G98 + 1*G0 - 1*H87 + 1*H94 + 1*H100 + 1*H103 + 1*H106 - 2*H148 - 1*H162 + 1*H174 + 1*H204 - 1*J350 - 1*J356 - 1*J359 - 1*J362 + 1*J378 - 1*J384 + 1*J386 + 2*J405 + 1*J418 + 2*J423 + 2*J425 + 1*J429 - 1*J430 + 1*J443 + 1*J446 + 1*J451 - 1*J460 - 1*J471 + 2*J472 + 1*J0 - 2*J20 - 1*J34 + 1*J36 + 1*J51 + 1*J58$$

$$K339 * ~~K851~~ = 2*F21 + 1*F35 - 2*G85 + 1*G88 - 1*G99 + 1*G1 - 1*H88 + 1*H95 + 1*H101 + 1*H104 + 1*H107 - 2*H149 - 1*H163 + 1*H175 + 1*H205 - 1*J351 - 1*J357 - 1*J360 - 1*J363 + 1*J379 - 1*J385 + 1*J387 + 2*J406 + 1*J419 + 2*J424 + 2*J426 + 1*J430 - 1*J431 + 1*J444 + 1*J447 + 1*J452 - 1*J461 - 1*J472 + 2*J473 + 1*J1 - 2*J21 - 1*J35 + 1*J37 + 1*J52 + 1*J59$$

$$K340 * ~~K852~~ = 2*F22 + 1*F36 - 2*G86 + 1*G89 - 1*G100 + 1*G2 - 1*H89 + 1*H96 + 1*H102 + 1*H105 + 1*H108 - 2*H150 - 1*H164 + 1*H176 + 1*H206 - 1*J352 - 1*J358 - 1*J361 - 1*J364 + 1*J380 - 1*J386 + 1*J388 + 2*J407 + 1*J420 + 2*J425 + 2*J427 + 1*J431 - 1*J432 + 1*J445 + 1*J448 + 1*J453 - 1*J462 - 1*J473 + 2*J474 + 1*J2 - 2*J22 - 1*J36 + 1*J38 + 1*J53 + 1*J60$$

$$K341 * ~~K853~~ = 2*F23 + 1*F37 - 2*G87 + 1*G90 - 1*G101 + 1*G3 - 1*H90 + 1*H97 + 1*H103 + 1*H106 + 1*H109 - 2*H151 - 1*H165 + 1*H177 + 1*H207 - 1*J353 - 1*J359 - 1*J362 - 1*J365 + 1*J381 - 1*J387 + 1*J389 + 2*J408 + 1*J421 + 2*J426 + 2*J428 + 1*J432 - 1*J433 + 1*J446 + 1*J449 + 1*J454 - 1*J463 - 1*J474 + 2*J475 + 1*J3 - 2*J23 - 1*J37 + 1*J39 + 1*J54 + 1*J61$$

$$K342 * ~~K854~~ = 2*F24 + 1*F38 - 2*G88 + 1*G91 - 1*G102 + 1*G4 - 1*H91 + 1*H98 + 1*H104 + 1*H107 + 1*H110 - 2*H152 - 1*H166 + 1*H178 + 1*H208 - 1*J354 - 1*J360 - 1*J363 - 1*J366 + 1*J382 - 1*J388 + 1*J390 + 2*J409 + 1*J422 + 2*J427 + 2*J429 + 1*J433 - 1*J434 + 1*J447 + 1*J450 + 1*J455 - 1*J464 - 1*J475 + 2*J476 + 1*J4 - 2*J24 - 1*J38 + 1*J40 + 1*J55 + 1*J62$$

$$K343 * ~~K855~~ = 2*F25 + 1*F39 - 2*G89 + 1*G92 - 1*G103 + 1*G5 - 1*H92 + 1*H99 + 1*H105 + 1*H108 + 1*H111 - 2*H153 - 1*H167 + 1*H179 + 1*H209 - 1*J355 - 1*J361 - 1*J364 - 1*J367 + 1*J383 - 1*J389 + 1*J391 + 2*J410 + 1*J423 + 2*J428 + 2*J430 + 1*J434 - 1*J435 + 1*J448 + 1*J451 + 1*J456 - 1*J465 - 1*J476 + 2*J477 + 1*J5 - 2*J25 - 1*J39 + 1*J41 + 1*J56 + 1*J63$$

$$K344 * ~~K856~~ = 2*F26 + 1*F40 - 2*G90 + 1*G93 - 1*G104 + 1*G6 - 1*H93 + 1*H100 + 1*H106 + 1*H109 + 1*H112 - 2*H154 - 1*H168 + 1*H180 + 1*H210 - 1*J356 - 1*J362 - 1*J365 - 1*J368 + 1*J384 - 1*J390 + 1*J392 + 2*J411 + 1*J424 + 2*J429 + 2*J431 + 1*J435 - 1*J436 + 1*J449 + 1*J452 + 1*J457 - 1*J466 - 1*J477 + 2*J478 + 1*J6 - 2*J26 - 1*J40 + 1*J42 + 1*J57 + 1*J64$$

$$K345 * K857 = 2*F27 + 1*F41 - 2*G91 + 1*G94 - 1*G105 + 1*G7 - 1*H94 + 1*H101 + 1*H107 + 1*H110 + 1*H113 - 2*H155 - 1*H169 + 1*H181 + 1*H211 - 1*J357 - 1*J363 - 1*J366 - 1*J369 + 1*J385 - 1*J391 + 1*J393 + 2*J412 + 1*J425 + 2*J430 + 2*J432 + 1*J436 - 1*J437 + 1*J450 + 1*J453 + 1*J458 - 1*J467 - 1*J478 + 2*J479 + 1*J7 - 2*J27 - 1*J41 + 1*J43 + 1*J58 + 1*J65$$

$$K346 * K858 = 2*F28 + 1*F42 - 2*G92 + 1*G95 - 1*G106 + 1*G8 - 1*H95 + 1*H102 + 1*H108 + 1*H111 + 1*H114 - 2*H156 - 1*H170 + 1*H182 + 1*H212 - 1*J358 - 1*J364 - 1*J367 - 1*J370 + 1*J386 - 1*J392 + 1*J394 + 2*J413 +$$

$$1*J426 + 2*J431 + 2*J433 + 1*J437 - 1*J438 + 1*J451 + 1*J454 + 1*J459 - 1*J468 - 1*J479 + 2*J480 + 1*J8 - 2*J28 - 1*J42 + 1*J44 + 1*J59 + 1*J66$$

$$\del{K347} * K859 = 2*F29 + 1*F43 - 2*G93 + 1*G96 - 1*G107 + 1*G9 - 1*H96 + 1*H103 + 1*H109 + 1*H112 + 1*H115 - 2*H157 - 1*H171 + 1*H183 + 1*H213 - 1*J359 - 1*J365 - 1*J368 - 1*J371 + 1*J387 - 1*J393 + 1*J395 + 2*J414 + 1*J427 + 2*J432 + 2*J434 + 1*J438 - 1*J439 + 1*J452 + 1*J455 + 1*J460 - 1*J469 - 1*J480 + 2*J481 + 1*J9 - 2*J29 - 1*J43 + 1*J45 + 1*J60 + 1*J67$$

$$K349 * K861 = 2*F31 + 1*F45 - 2*G95 + 1*G98 - 1*G109 + 1*G11 - 1*H98 + 1*H105 + 1*H111 + 1*H114 + 1*H117 - 2*H159 - 1*H173 + 1*H185 + 1*H215 - 1*J361 - 1*J367 - 1*J370 - 1*J373 + 1*J389 - 1*J395 + 1*J397 + 2*J416 + 1*J429 + 2*J434 + 2*J436 + 1*J440 - 1*J441 + 1*J454 + 1*J457 + 1*J462 - 1*J471 - 1*J482 + 2*J483 + 1*J11 - 2*J31 - 1*J45 + 1*J47 + 1*J62 + 1*J69$$

$$K350 * K862 = 2*F32 + 1*F46 - 2*G96 + 1*G99 - 1*G110 + 1*G12 - 1*H99 + 1*H106 + 1*H112 + 1*H115 + 1*H118 - 2*H160 - 1*H174 + 1*H186 + 1*H216 - 1*J362 - 1*J368 - 1*J371 - 1*J374 + 1*J390 - 1*J396 + 1*J398 + 2*J417 + 1*J430 + 2*J435 + 2*J437 + 1*J441 - 1*J442 + 1*J455 + 1*J458 + 1*J463 - 1*J472 - 1*J483 + 2*J484 + 1*J12 - 2*J32 - 1*J46 + 1*J48 + 1*J63 + 1*J70$$

$$K351 * K863 = 2*F33 + 1*F47 - 2*G97 + 1*G100 - 1*G111 + 1*G13 - 1*H100 + 1*H107 + 1*H113 + 1*H116 + 1*H119 - 2*H161 - 1*H175 + 1*H187 + 1*H217 - 1*J363 - 1*J369 - 1*J372 - 1*J375 + 1*J391 - 1*J397 + 1*J399 + 2*J418 + 1*J431 + 2*J436 + 2*J438 + 1*J442 - 1*J443 + 1*J456 + 1*J459 + 1*J464 - 1*J473 - 1*J484 + 2*J485 + 1*J13 - 2*J33 - 1*J47 + 1*J49 + 1*J64 + 1*J71$$

$$K352 * K864 = 2*F34 + 1*F48 - 2*G98 + 1*G101 - 1*G112 + 1*G14 - 1*H101 + 1*H108 + 1*H114 + 1*H117 + 1*H120 - 2*H162 - 1*H176 + 1*H188 + 1*H218 - 1*J364 - 1*J370 - 1*J373 - 1*J376 + 1*J392 - 1*J398 + 1*J400 + 2*J419 + 1*J432 + 2*J437 + 2*J439 + 1*J443 - 1*J444 + 1*J457 + 1*J460 + 1*J465 - 1*J474 - 1*J485 + 2*J486 + 1*J14 - 2*J34 - 1*J48 + 1*J50 + 1*J65 + 1*J72$$

$$K353 * \del{K865} = 2*F35 + 1*F49 - 2*G99 + 1*G102 - 1*G113 + 1*G15 - 1*H102 + 1*H109 + 1*H115 + 1*H118 + 1*H121 - 2*H163 - 1*H177 + 1*H189 + 1*H219 - 1*J365 - 1*J371 - 1*J374 - 1*J377 + 1*J393 - 1*J399 + 1*J401 + 2*J420 + 1*J433 + 2*J438 + 2*J440 + 1*J444 - 1*J445 + 1*J458 + 1*J461 + 1*J466 - 1*J475 - 1*J486 + 2*J487 + 1*J15 - 2*J35 - 1*J49 + 1*J51 + 1*J66 + 1*J73$$

$$K354 * \del{K866} = 2*F36 + 1*F50 - 2*G100 + 1*G103 - 1*G114 + 1*G16 - 1*H103 + 1*H110 + 1*H116 + 1*H119 + 1*H122 - 2*H164 - 1*H178 + 1*H190 + 1*H220 - 1*J366 - 1*J372 - 1*J375 - 1*J378 + 1*J394 - 1*J400 + 1*J402 + 2*J421 + 1*J434 + 2*J439 + 2*J441 + 1*J445 - 1*J446 + 1*J459 + 1*J462 + 1*J467 - 1*J476 - 1*J487 + 2*J488 + 1*J16 - 2*J36 - 1*J50 + 1*J52 + 1*J67 + 1*J74$$

$$K355 * K867 = 2*F37 + 1*F51 - 2*G101 + 1*G104 - 1*G115 + 1*G17 - 1*H104 + 1*H111 + 1*H117 + 1*H120 + 1*H123 - 2*H165 - 1*H179 + 1*H191 + 1*H221 - 1*J367 - 1*J373 - 1*J376 - 1*J379 + 1*J395 - 1*J401 + 1*J403 + 2*J422 + 1*J435 + 2*J440 + 2*J442 + 1*J446 - 1*J447 + 1*J460 + 1*J463 + 1*J468 - 1*J477 - 1*J488 + 2*J489 + 1*J17 - 2*J37 - 1*J51 + 1*J53 + 1*J68 + 1*J75$$

$$K356 * K868 = 2*F38 + 1*F52 - 2*G102 + 1*G105 - 1*G116 + 1*G18 - 1*H105 + 1*H112 + 1*H118 + 1*H121 + 1*H124 - 2*H166 - 1*H180 + 1*H192 + 1*H222 - 1*J368 - 1*J374 - 1*J377 - 1*J380 + 1*J396 - 1*J402 + 1*J404 + 2*J423 + 1*J436 + 2*J441 + 2*J443 + 1*J447 - 1*J448 + 1*J461 + 1*J464 + 1*J469 - 1*J478 - 1*J489 + 2*J490 + 1*J18 - 2*J38 - 1*J52 + 1*J54 + 1*J69 + 1*J76$$

$$K357 * K869 = 2*F39 + 1*F53 - 2*G103 + 1*G106 - 1*G117 + 1*G19 - 1*H106 + 1*H113 + 1*H119 + 1*H122 + 1*H125 - 2*H167 - 1*H181 + 1*H193 + 1*H223 - 1*J369 - 1*J375 - 1*J378 - 1*J381 + 1*J397 - 1*J403 + 1*J405 + 2*J424 +$$

$$1*J437 + 2*J442 + 2*J444 + 1*J448 - 1*J449 + 1*J462 + 1*J465 + 1*J470 - 1*J479 - 1*J490 + 2*J491 + 1*J19 - 2*J39 - 1*J53 + 1*J55 + 1*J70 + 1*J77$$

$$K358 * K870 = 2*F40 + 1*F54 - 2*G104 + 1*G107 - 1*G118 + 1*G20 - 1*H107 + 1*H114 + 1*H120 + 1*H123 + 1*H126 - 2*H168 - 1*H182 + 1*H194 + 1*H224 - 1*J370 - 1*J376 - 1*J379 - 1*J382 + 1*J398 - 1*J404 + 1*J406 + 2*J425 + 1*J438 + 2*J443 + 2*J445 + 1*J449 - 1*J450 + 1*J463 + 1*J466 + 1*J471 - 1*J480 - 1*J491 + 2*J492 + 1*J20 - 2*J40 - 1*J54 + 1*J56 + 1*J71 + 1*J78$$

$$K359 * ~~K871~~ = 2*F41 + 1*F55 - 2*G105 + 1*G108 - 1*G119 + 1*G21 - 1*H108 + 1*H115 + 1*H121 + 1*H124 + 1*H127 - 2*H169 - 1*H183 + 1*H195 + 1*H225 - 1*J371 - 1*J377 - 1*J380 - 1*J383 + 1*J399 - 1*J405 + 1*J407 + 2*J426 + 1*J439 + 2*J444 + 2*J446 + 1*J450 - 1*J451 + 1*J464 + 1*J467 + 1*J472 - 1*J481 - 1*J492 + 2*J493 + 1*J21 - 2*J41 - 1*J55 + 1*J57 + 1*J72 + 1*J79$$

$$K360 * K872 = 2*F42 + 1*F56 - 2*G106 + 1*G109 - 1*G120 + 1*G22 - 1*H109 + 1*H116 + 1*H122 + 1*H125 + 1*H128 - 2*H170 - 1*H184 + 1*H196 + 1*H226 - 1*J372 - 1*J378 - 1*J381 - 1*J384 + 1*J400 - 1*J406 + 1*J408 + 2*J427 + 1*J440 + 2*J445 + 2*J447 + 1*J451 - 1*J452 + 1*J465 + 1*J468 + 1*J473 - 1*J482 - 1*J493 + 2*J494 + 1*J22 - 2*J42 - 1*J56 + 1*J58 + 1*J73 + 1*J80$$

$$K361 * ~~K873~~ = 2*F43 + 1*F57 - 2*G107 + 1*G110 - 1*G121 + 1*G23 - 1*H110 + 1*H117 + 1*H123 + 1*H126 + 1*H129 - 2*H171 - 1*H185 + 1*H197 + 1*H227 - 1*J373 - 1*J379 - 1*J382 - 1*J385 + 1*J401 - 1*J407 + 1*J409 + 2*J428 + 1*J441 + 2*J446 + 2*J448 + 1*J452 - 1*J453 + 1*J466 + 1*J469 + 1*J474 - 1*J483 - 1*J494 + 2*J495 + 1*J23 - 2*J43 - 1*J57 + 1*J59 + 1*J74 + 1*J81$$

$$K362 * K874 = 2*F44 + 1*F58 - 2*G108 + 1*G111 - 1*G122 + 1*G24 - 1*H111 + 1*H118 + 1*H124 + 1*H127 + 1*H130 - 2*H172 - 1*H186 + 1*H198 + 1*H228 - 1*J374 - 1*J380 - 1*J383 - 1*J386 + 1*J402 - 1*J408 + 1*J410 + 2*J429 + 1*J442 + 2*J447 + 2*J449 + 1*J453 - 1*J454 + 1*J467 + 1*J470 + 1*J475 - 1*J484 - 1*J495 + 2*J496 + 1*J24 - 2*J44 - 1*J58 + 1*J60 + 1*J75 + 1*J82$$

$$~~K363~~ * K875prod = 2*F45 + 1*F59 - 2*G109 + 1*G112 - 1*G123 + 1*G25 - 1*H112 + 1*H119 + 1*H125 + 1*H128 + 1*H131 - 2*H173 - 1*H187 + 1*H199 + 1*H229 - 1*J375 - 1*J381 - 1*J384 - 1*J387 + 1*J403 - 1*J409 + 1*J411 + 2*J430 + 1*J443 + 2*J448 + 2*J450 + 1*J454 - 1*J455 + 1*J468 + 1*J471 + 1*J476 - 1*J485 - 1*J496 + 2*J497 + 1*J25 - 2*J45 - 1*J59 + 1*J61 + 1*J76 + 1*J83$$

$$K364 * K876 = 2*F46 + 1*F60 - 2*G110 + 1*G113 - 1*G124 + 1*G26 - 1*H113 + 1*H120 + 1*H126 + 1*H129 + 1*H132 - 2*H174 - 1*H188 + 1*H200 + 1*H230 - 1*J376 - 1*J382 - 1*J385 - 1*J388 + 1*J404 - 1*J410 + 1*J412 + 2*J431 + 1*J444 + 2*J449 + 2*J451 + 1*J455 - 1*J456 + 1*J469 + 1*J472 + 1*J477 - 1*J486 - 1*J497 + 2*J498 + 1*J26 - 2*J46 - 1*J60 + 1*J62 + 1*J77 + 1*J84$$

$$~~K365~~ * K877 = 2*F47 + 1*F61 - 2*G111 + 1*G114 - 1*G125 + 1*G27 - 1*H114 + 1*H121 + 1*H127 + 1*H130 + 1*H133 - 2*H175 - 1*H189 + 1*H201 + 1*H231 - 1*J377 - 1*J383 - 1*J386 - 1*J389 + 1*J405 - 1*J411 + 1*J413 + 2*J432 + 1*J445 + 2*J450 + 2*J452 + 1*J456 - 1*J457 + 1*J470 + 1*J473 + 1*J478 - 1*J487 - 1*J498 + 2*J499 + 1*J27 - 2*J47 - 1*J61 + 1*J63 + 1*J78 + 1*J85$$

$$K366 * ~~K878~~ = 2*F48 + 1*F62 - 2*G112 + 1*G115 - 1*G126 + 1*G28 - 1*H115 + 1*H122 + 1*H128 + 1*H131 + 1*H134 - 2*H176 - 1*H190 + 1*H202 + 1*H232 - 1*J378 - 1*J384 - 1*J387 - 1*J390 + 1*J406 - 1*J412 + 1*J414 + 2*J433 + 1*J446 + 2*J451 + 2*J453 + 1*J457 - 1*J458 + 1*J471 + 1*J474 + 1*J479 - 1*J488 - 1*J499 + 2*J500 + 1*J28 - 2*J48 - 1*J62 + 1*J64 + 1*J79 + 1*J86$$

$$K367 * ~~K879~~ = 2*F49 + 1*F63 - 2*G113 + 1*G116 - 1*G127 + 1*G29 - 1*H116 + 1*H123 + 1*H129 + 1*H132 + 1*H135 - 2*H177 - 1*H191 + 1*H203 + 1*H233 -$$

1*J379 - 1*J385 - 1*J388 - 1*J391 + 1*J407 - 1*J413 + 1*J415 + 2*J434 +
1*J447 + 2*J452 + 2*J454 + 1*J458 - 1*J459 + 1*J472 + 1*J475 + 1*J480 -
1*J489 - 1*J500 + 2*J501 + 1*J29 - 2*J49 - 1*J63 + 1*J65 + 1*J80 + 1*J87

K368 * K880 = 2*F50 + 1*F0 - 2*G114 + 1*G117 - 1*G0 + 1*G30 - 1*H117 +
1*H124 + 1*H130 + 1*H133 + 1*H136 - 2*H178 - 1*H192 + 1*H204 + 1*H234 -
1*J380 - 1*J386 - 1*J389 - 1*J392 + 1*J408 - 1*J414 + 1*J416 + 2*J435 +
1*J448 + 2*J453 + 2*J455 + 1*J459 - 1*J460 + 1*J473 + 1*J476 + 1*J481 -
1*J490 - 1*J501 + 2*J502 + 1*J30 - 2*J50 - 1*J64 + 1*J66 + 1*J81 + 1*J88

K369 * K881 = 2*F51 + 1*F1 - 2*G115 + 1*G118 - 1*G1 + 1*G31 - 1*H118 +
1*H125 + 1*H131 + 1*H134 + 1*H137 - 2*H179 - 1*H193 + 1*H205 + 1*H235 -
1*J381 - 1*J387 - 1*J390 - 1*J393 + 1*J409 - 1*J415 + 1*J417 + 2*J436 +
1*J449 + 2*J454 + 2*J456 + 1*J460 - 1*J461 + 1*J474 + 1*J477 + 1*J482 -
1*J491 - 1*J502 + 2*J503 + 1*J31 - 2*J51 - 1*J65 + 1*J67 + 1*J82 + 1*J89

K370 * ~~K882~~ = 2*F52 + 1*F2 - 2*G116 + 1*G119 - 1*G2 + 1*G32 - 1*H119 +
1*H126 + 1*H132 + 1*H135 + 1*H138 - 2*H180 - 1*H194 + 1*H206 + 1*H236 -
1*J382 - 1*J388 - 1*J391 - 1*J394 + 1*J410 - 1*J416 + 1*J418 + 2*J437 +
1*J450 + 2*J455 + 2*J457 + 1*J461 - 1*J462 + 1*J475 + 1*J478 + 1*J483 -
1*J492 - 1*J503 + 2*J504 + 1*J32 - 2*J52 - 1*J66 + 1*J68 + 1*J83 + 1*J90

K371 * ~~K883~~ = 2*F53 + 1*F3 - 2*G117 + 1*G120 - 1*G3 + 1*G33 - 1*H120 +
1*H127 + 1*H133 + 1*H136 + 1*H139 - 2*H181 - 1*H195 + 1*H207 + 1*H237 -
1*J383 - 1*J389 - 1*J392 - 1*J395 + 1*J411 - 1*J417 + 1*J419 + 2*J438 +
1*J451 + 2*J456 + 2*J458 + 1*J462 - 1*J463 + 1*J476 + 1*J479 + 1*J484 -
1*J493 - 1*J504 + 2*J505 + 1*J33 - 2*J53 - 1*J67 + 1*J69 + 1*J84 + 1*J91

K372 * ~~K884~~ = 2*F54 + 1*F4 - 2*G118 + 1*G121 - 1*G4 + 1*G34 - 1*H121 +
1*H128 + 1*H134 + 1*H137 + 1*H140 - 2*H182 - 1*H196 + 1*H208 + 1*H238 -
1*J384 - 1*J390 - 1*J393 - 1*J396 + 1*J412 - 1*J418 + 1*J420 + 2*J439 +
1*J452 + 2*J457 + 2*J459 + 1*J463 - 1*J464 + 1*J477 + 1*J480 + 1*J485 -
1*J494 - 1*J505 + 2*J506 + 1*J34 - 2*J54 - 1*J68 + 1*J70 + 1*J85 + 1*J92

K373 * ~~K885~~ = 2*F55 + 1*F5 - 2*G119 + 1*G122 - 1*G5 + 1*G35 - 1*H122 +
1*H129 + 1*H135 + 1*H138 + 1*H141 - 2*H183 - 1*H197 + 1*H209 + 1*H239 -
1*J385 - 1*J391 - 1*J394 - 1*J397 + 1*J413 - 1*J419 + 1*J421 + 2*J440 +
1*J453 + 2*J458 + 2*J460 + 1*J464 - 1*J465 + 1*J478 + 1*J481 + 1*J486 -
1*J495 - 1*J506 + 2*J507 + 1*J35 - 2*J55 - 1*J69 + 1*J71 + 1*J86 + 1*J93

K374 * ~~K886~~ = 2*F56 + 1*F6 - 2*G120 + 1*G123 - 1*G6 + 1*G36 - 1*H123 +
1*H130 + 1*H136 + 1*H139 + 1*H142 - 2*H184 - 1*H198 + 1*H210 + 1*H240 -
1*J386 - 1*J392 - 1*J395 - 1*J398 + 1*J414 - 1*J420 + 1*J422 + 2*J441 +
1*J454 + 2*J459 + 2*J461 + 1*J465 - 1*J466 + 1*J479 + 1*J482 + 1*J487 -
1*J496 - 1*J507 + 2*J508 + 1*J36 - 2*J56 - 1*J70 + 1*J72 + 1*J87 + 1*J94

K375 * K887 = 2*F57 + 1*F7 - 2*G121 + 1*G124 - 1*G7 + 1*G37 - 1*H124 +
1*H131 + 1*H137 + 1*H140 + 1*H143 - 2*H185 - 1*H199 + 1*H211 + 1*H241 -
1*J387 - 1*J393 - 1*J396 - 1*J399 + 1*J415 - 1*J421 + 1*J423 + 2*J442 +
1*J455 + 2*J460 + 2*J462 + 1*J466 - 1*J467 + 1*J480 + 1*J483 + 1*J488 -
1*J497 - 1*J508 + 2*J509 + 1*J37 - 2*J57 - 1*J71 + 1*J73 + 1*J88 + 1*J95

K376 * K888 = 2*F58 + 1*F8 - 2*G122 + 1*G125 - 1*G8 + 1*G38 - 1*H125 +
1*H132 + 1*H138 + 1*H141 + 1*H144 - 2*H186 - 1*H200 + 1*H212 + 1*H242 -
1*J388 - 1*J394 - 1*J397 - 1*J400 + 1*J416 - 1*J422 + 1*J424 + 2*J443 +
1*J456 + 2*J461 + 2*J463 + 1*J467 - 1*J468 + 1*J481 + 1*J484 + 1*J489 -
1*J498 - 1*J509 + 2*J510 + 1*J38 - 2*J58 - 1*J72 + 1*J74 + 1*J89 + 1*J96

K377 * ~~K889~~ = 2*F59 + 1*F9 - 2*G123 + 1*G126 - 1*G9 + 1*G39 - 1*H126 +
1*H133 + 1*H139 + 1*H142 + 1*H145 - 2*H187 - 1*H201 + 1*H213 + 1*H243 -
1*J389 - 1*J395 - 1*J398 - 1*J401 + 1*J417 - 1*J423 + 1*J425 + 2*J444 +

$$1*J457 + 2*J462 + 2*J464 + 1*J468 - 1*J469 + 1*J482 + 1*J485 + 1*J490 - 1*J499 - 1*J510 + 2*J511 + 1*J39 - 2*J59 - 1*J73 + 1*J75 + 1*J90 + 1*J97$$

$$K378 * K890 = 2*F60 + 1*F10 - 2*G124 + 1*G127 - 1*G10 + 1*G40 - 1*H127 + 1*H134 + 1*H140 + 1*H143 + 1*H146 - 2*H188 - 1*H202 + 1*H214 + 1*H244 - 1*J390 - 1*J396 - 1*J399 - 1*J402 + 1*J418 - 1*J424 + 1*J426 + 2*J445 + 1*J458 + 2*J463 + 2*J465 + 1*J469 - 1*J470 + 1*J483 + 1*J486 + 1*J491 - 1*J500 - 1*J511 + 2*J0 + 1*J40 - 2*J60 - 1*J74 + 1*J76 + 1*J91 + 1*J98$$

$$~~K379~~ * K891 = 2*F61 + 1*F11 - 2*G125 + 1*G0 - 1*G11 + 1*G41 - 1*H128 + 1*H135 + 1*H141 + 1*H144 + 1*H147 - 2*H189 - 1*H203 + 1*H215 + 1*H245 - 1*J391 - 1*J397 - 1*J400 - 1*J403 + 1*J419 - 1*J425 + 1*J427 + 2*J446 + 1*J459 + 2*J464 + 2*J466 + 1*J470 - 1*J471 + 1*J484 + 1*J487 + 1*J492 - 1*J501 - 1*J0 + 2*J1 + 1*J41 - 2*J61 - 1*J75 + 1*J77 + 1*J92 + 1*J99$$

$$~~K380~~ * K892 = 2*F62 + 1*F12 - 2*G126 + 1*G1 - 1*G12 + 1*G42 - 1*H129 + 1*H136 + 1*H142 + 1*H145 + 1*H148 - 2*H190 - 1*H204 + 1*H216 + 1*H246 - 1*J392 - 1*J398 - 1*J401 - 1*J404 + 1*J420 - 1*J426 + 1*J428 + 2*J447 + 1*J460 + 2*J465 + 2*J467 + 1*J471 - 1*J472 + 1*J485 + 1*J488 + 1*J493 - 1*J502 - 1*J1 + 2*J2 + 1*J42 - 2*J62 - 1*J76 + 1*J78 + 1*J93 + 1*J100$$

$$~~K381~~ * K893prod = 2*F63 + 1*F13 - 2*G127 + 1*G2 - 1*G13 + 1*G43 - 1*H130 + 1*H137 + 1*H143 + 1*H146 + 1*H149 - 2*H191 - 1*H205 + 1*H217 + 1*H247 - 1*J393 - 1*J399 - 1*J402 - 1*J405 + 1*J421 - 1*J427 + 1*J429 + 2*J448 + 1*J461 + 2*J466 + 2*J468 + 1*J472 - 1*J473 + 1*J486 + 1*J489 + 1*J494 - 1*J503 - 1*J2 + 2*J3 + 1*J43 - 2*J63 - 1*J77 + 1*J79 + 1*J94 + 1*J101$$

$$K382 * K894 = 2*F0 + 1*F14 - 2*G0 + 1*G3 - 1*G14 + 1*G44 - 1*H131 + 1*H138 + 1*H144 + 1*H147 + 1*H150 - 2*H192 - 1*H206 + 1*H218 + 1*H248 - 1*J394 - 1*J400 - 1*J403 - 1*J406 + 1*J422 - 1*J428 + 1*J430 + 2*J449 + 1*J462 + 2*J467 + 2*J469 + 1*J473 - 1*J474 + 1*J487 + 1*J490 + 1*J495 - 1*J504 - 1*J3 + 2*J4 + 1*J44 - 2*J64 - 1*J78 + 1*J80 + 1*J95 + 1*J102$$

$$K383 * K895 = 2*F1 + 1*F15 - 2*G1 + 1*G4 - 1*G15 + 1*G45 - 1*H132 + 1*H139 + 1*H145 + 1*H148 + 1*H151 - 2*H193 - 1*H207 + 1*H219 + 1*H249 - 1*J395 - 1*J401 - 1*J404 - 1*J407 + 1*J423 - 1*J429 + 1*J431 + 2*J450 + 1*J463 + 2*J468 + 2*J470 + 1*J474 - 1*J475 + 1*J488 + 1*J491 + 1*J496 - 1*J505 - 1*J4 + 2*J5 + 1*J45 - 2*J65 - 1*J79 + 1*J81 + 1*J96 + 1*J103$$

$$K384 * ~~K896~~ = 2*F2 + 1*F16 - 2*G2 + 1*G5 - 1*G16 + 1*G46 - 1*H133 + 1*H140 + 1*H146 + 1*H149 + 1*H152 - 2*H194 - 1*H208 + 1*H220 + 1*H250 - 1*J396 - 1*J402 - 1*J405 - 1*J408 + 1*J424 - 1*J430 + 1*J432 + 2*J451 + 1*J464 + 2*J469 + 2*J471 + 1*J475 - 1*J476 + 1*J489 + 1*J492 + 1*J497 - 1*J506 - 1*J5 + 2*J6 + 1*J46 - 2*J66 - 1*J80 + 1*J82 + 1*J97 + 1*J104$$

$$~~K385~~ * K897 = 2*F3 + 1*F17 - 2*G3 + 1*G6 - 1*G17 + 1*G47 - 1*H134 + 1*H141 + 1*H147 + 1*H150 + 1*H153 - 2*H195 - 1*H209 + 1*H221 + 1*H251 - 1*J397 - 1*J403 - 1*J406 - 1*J409 + 1*J425 - 1*J431 + 1*J433 + 2*J452 + 1*J465 + 2*J470 + 2*J472 + 1*J476 - 1*J477 + 1*J490 + 1*J493 + 1*J498 - 1*J507 - 1*J6 + 2*J7 + 1*J47 - 2*J67 - 1*J81 + 1*J83 + 1*J98 + 1*J105$$

$$~~K386~~ * K898 = 2*F4 + 1*F18 - 2*G4 + 1*G7 - 1*G18 + 1*G48 - 1*H135 + 1*H142 + 1*H148 + 1*H151 + 1*H154 - 2*H196 - 1*H210 + 1*H222 + 1*H252 - 1*J398 - 1*J404 - 1*J407 - 1*J410 + 1*J426 - 1*J432 + 1*J434 + 2*J453 + 1*J466 + 2*J471 + 2*J473 + 1*J477 - 1*J478 + 1*J491 + 1*J494 + 1*J499 - 1*J508 - 1*J7 + 2*J8 + 1*J48 - 2*J68 - 1*J82 + 1*J84 + 1*J99 + 1*J106$$

$$~~K387~~ * K899 = 2*F5 + 1*F19 - 2*G5 + 1*G8 - 1*G19 + 1*G49 - 1*H136 + 1*H143 + 1*H149 + 1*H152 + 1*H155 - 2*H197 - 1*H211 + 1*H223 + 1*H253 - 1*J399 - 1*J405 - 1*J408 - 1*J411 + 1*J427 - 1*J433 + 1*J435 + 2*J454 +$$

1*J467 + 2*J472 + 2*J474 + 1*J478 - 1*J479 + 1*J492 + 1*J495 + 1*J500 -
1*J509 - 1*J8 + 2*J9 + 1*J49 - 2*J69 - 1*J83 + 1*J85 + 1*J100 + 1*J107

K388 * K900 = 2*F6 + 1*F20 - 2*G6 + 1*G9 - 1*G20 + 1*G50 - 1*H137 +
1*H144 + 1*H150 + 1*H153 + 1*H156 - 2*H198 - 1*H212 + 1*H224 + 1*H254 -
1*J400 - 1*J406 - 1*J409 - 1*J412 + 1*J428 - 1*J434 + 1*J436 + 2*J455 +
1*J468 + 2*J473 + 2*J475 + 1*J479 - 1*J480 + 1*J493 + 1*J496 + 1*J501 -
1*J510 - 1*J9 + 2*J10 + 1*J50 - 2*J70 - 1*J84 + 1*J86 + 1*J101 + 1*J108

K389 * ~~K901~~ = 2*F7 + 1*F21 - 2*G7 + 1*G10 - 1*G21 + 1*G51 - 1*H138 +
1*H145 + 1*H151 + 1*H154 + 1*H157 - 2*H199 - 1*H213 + 1*H225 + 1*H255 -
1*J401 - 1*J407 - 1*J410 - 1*J413 + 1*J429 - 1*J435 + 1*J437 + 2*J456 +
1*J469 + 2*J474 + 2*J476 + 1*J480 - 1*J481 + 1*J494 + 1*J497 + 1*J502 -
1*J511 - 1*J10 + 2*J11 + 1*J51 - 2*J71 - 1*J85 + 1*J87 + 1*J102 + 1*J109

K390 * ~~K902~~ = 2*F8 + 1*F22 - 2*G8 + 1*G11 - 1*G22 + 1*G52 - 1*H139 +
1*H146 + 1*H152 + 1*H155 + 1*H158 - 2*H200 - 1*H214 + 1*H226 + 1*H0 -
1*J402 - 1*J408 - 1*J411 - 1*J414 + 1*J430 - 1*J436 + 1*J438 + 2*J457 +
1*J470 + 2*J475 + 2*J477 + 1*J481 - 1*J482 + 1*J495 + 1*J498 + 1*J503 -
1*J0 - 1*J11 + 2*J12 + 1*J52 - 2*J72 - 1*J86 + 1*J88 + 1*J103 + 1*J110

K391 * ~~K903~~ = 2*F9 + 1*F23 - 2*G9 + 1*G12 - 1*G23 + 1*G53 - 1*H140 +
1*H147 + 1*H153 + 1*H156 + 1*H159 - 2*H201 - 1*H215 + 1*H227 + 1*H1 -
1*J403 - 1*J409 - 1*J412 - 1*J415 + 1*J431 - 1*J437 + 1*J439 + 2*J458 +
1*J471 + 2*J476 + 2*J478 + 1*J482 - 1*J483 + 1*J496 + 1*J499 + 1*J504 -
1*J1 - 1*J12 + 2*J13 + 1*J53 - 2*J73 - 1*J87 + 1*J89 + 1*J104 + 1*J111

K392 * K904 = 2*F10 + 1*F24 - 2*G10 + 1*G13 - 1*G24 + 1*G54 - 1*H141 +
1*H148 + 1*H154 + 1*H157 + 1*H160 - 2*H202 - 1*H216 + 1*H228 + 1*H2 -
1*J404 - 1*J410 - 1*J413 - 1*J416 + 1*J432 - 1*J438 + 1*J440 + 2*J459 +
1*J472 + 2*J477 + 2*J479 + 1*J483 - 1*J484 + 1*J497 + 1*J500 + 1*J505 -
1*J2 - 1*J13 + 2*J14 + 1*J54 - 2*J74 - 1*J88 + 1*J90 + 1*J105 + 1*J112

K393 * K905 = 2*F11 + 1*F25 - 2*G11 + 1*G14 - 1*G25 + 1*G55 - 1*H142 +
1*H149 + 1*H155 + 1*H158 + 1*H161 - 2*H203 - 1*H217 + 1*H229 + 1*H3 -
1*J405 - 1*J411 - 1*J414 - 1*J417 + 1*J433 - 1*J439 + 1*J441 + 2*J460 +
1*J473 + 2*J478 + 2*J480 + 1*J484 - 1*J485 + 1*J498 + 1*J501 + 1*J506 -
1*J3 - 1*J14 + 2*J15 + 1*J55 - 2*J75 - 1*J89 + 1*J91 + 1*J106 + 1*J113

K394 * K906 = 2*F12 + 1*F26 - 2*G12 + 1*G15 - 1*G26 + 1*G56 - 1*H143 +
1*H150 + 1*H156 + 1*H159 + 1*H162 - 2*H204 - 1*H218 + 1*H230 + 1*H4 -
1*J406 - 1*J412 - 1*J415 - 1*J418 + 1*J434 - 1*J440 + 1*J442 + 2*J461 +
1*J474 + 2*J479 + 2*J481 + 1*J485 - 1*J486 + 1*J499 + 1*J502 + 1*J507 -
1*J4 - 1*J15 + 2*J16 + 1*J56 - 2*J76 - 1*J90 + 1*J92 + 1*J107 + 1*J114

K395 * K907 = 2*F13 + 1*F27 - 2*G13 + 1*G16 - 1*G27 + 1*G57 - 1*H144 +
1*H151 + 1*H157 + 1*H160 + 1*H163 - 2*H205 - 1*H219 + 1*H231 + 1*H5 -
1*J407 - 1*J413 - 1*J416 - 1*J419 + 1*J435 - 1*J441 + 1*J443 + 2*J462 +
1*J475 + 2*J480 + 2*J482 + 1*J486 - 1*J487 + 1*J500 + 1*J503 + 1*J508 -
1*J5 - 1*J16 + 2*J17 + 1*J57 - 2*J77 - 1*J91 + 1*J93 + 1*J108 + 1*J115

K396 * ~~K908~~ = 2*F14 + 1*F28 - 2*G14 + 1*G17 - 1*G28 + 1*G58 - 1*H145 +
1*H152 + 1*H158 + 1*H161 + 1*H164 - 2*H206 - 1*H220 + 1*H232 + 1*H6 -
1*J408 - 1*J414 - 1*J417 - 1*J420 + 1*J436 - 1*J442 + 1*J444 + 2*J463 +
1*J476 + 2*J481 + 2*J483 + 1*J487 - 1*J488 + 1*J501 + 1*J504 + 1*J509 -
1*J6 - 1*J17 + 2*J18 + 1*J58 - 2*J78 - 1*J92 + 1*J94 + 1*J109 + 1*J116

K397 * ~~K909~~ = 2*F15 + 1*F29 - 2*G15 + 1*G18 - 1*G29 + 1*G59 - 1*H146 +
1*H153 + 1*H159 + 1*H162 + 1*H165 - 2*H207 - 1*H221 + 1*H233 + 1*H7 -
1*J409 - 1*J415 - 1*J418 - 1*J421 + 1*J437 - 1*J443 + 1*J445 + 2*J464 +

1*J477 + 2*J482 + 2*J484 + 1*J488 - 1*J489 + 1*J502 + 1*J505 + 1*J510 -
1*J7 - 1*J18 + 2*J19 + 1*J59 - 2*J79 - 1*J93 + 1*J95 + 1*J110 + 1*J117

K398 * K910 = 2*F16 + 1*F30 - 2*G16 + 1*G19 - 1*G30 + 1*G60 - 1*H147 +
1*H154 + 1*H160 + 1*H163 + 1*H166 - 2*H208 - 1*H222 + 1*H234 + 1*H8 -
1*J410 - 1*J416 - 1*J419 - 1*J422 + 1*J438 - 1*J444 + 1*J446 + 2*J465 +
1*J478 + 2*J483 + 2*J485 + 1*J489 - 1*J490 + 1*J503 + 1*J506 + 1*J511 -
1*J8 - 1*J19 + 2*J20 + 1*J60 - 2*J80 - 1*J94 + 1*J96 + 1*J111 + 1*J118

~~K399~~ * K911 = 2*F17 + 1*F31 - 2*G17 + 1*G20 - 1*G31 + 1*G61 - 1*H148 +
1*H155 + 1*H161 + 1*H164 + 1*H167 - 2*H209 - 1*H223 + 1*H235 + 1*H9 -
1*J411 - 1*J417 - 1*J420 - 1*J423 + 1*J439 - 1*J445 + 1*J447 + 2*J466 +
1*J479 + 2*J484 + 2*J486 + 1*J490 - 1*J491 + 1*J504 + 1*J507 + 1*J0 -
1*J9 - 1*J20 + 2*J21 + 1*J61 - 2*J81 - 1*J95 + 1*J97 + 1*J112 + 1*J119

K400 * ~~K912~~ = 2*F18 + 1*F32 - 2*G18 + 1*G21 - 1*G32 + 1*G62 - 1*H149 +
1*H156 + 1*H162 + 1*H165 + 1*H168 - 2*H210 - 1*H224 + 1*H236 + 1*H10 -
1*J412 - 1*J418 - 1*J421 - 1*J424 + 1*J440 - 1*J446 + 1*J448 + 2*J467 +
1*J480 + 2*J485 + 2*J487 + 1*J491 - 1*J492 + 1*J505 + 1*J508 + 1*J1 -
1*J10 - 1*J21 + 2*J22 + 1*J62 - 2*J82 - 1*J96 + 1*J98 + 1*J113 + 1*J120

K401 * K913 = 2*F19 + 1*F33 - 2*G19 + 1*G22 - 1*G33 + 1*G63 - 1*H150 +
1*H157 + 1*H163 + 1*H166 + 1*H169 - 2*H211 - 1*H225 + 1*H237 + 1*H11 -
1*J413 - 1*J419 - 1*J422 - 1*J425 + 1*J441 - 1*J447 + 1*J449 + 2*J468 +
1*J481 + 2*J486 + 2*J488 + 1*J492 - 1*J493 + 1*J506 + 1*J509 + 1*J2 -
1*J11 - 1*J22 + 2*J23 + 1*J63 - 2*J83 - 1*J97 + 1*J99 + 1*J114 + 1*J121

K402 * K914 = 2*F20 + 1*F34 - 2*G20 + 1*G23 - 1*G34 + 1*G64 - 1*H151 +
1*H158 + 1*H164 + 1*H167 + 1*H170 - 2*H212 - 1*H226 + 1*H238 + 1*H12 -
1*J414 - 1*J420 - 1*J423 - 1*J426 + 1*J442 - 1*J448 + 1*J450 + 2*J469 +
1*J482 + 2*J487 + 2*J489 + 1*J493 - 1*J494 + 1*J507 + 1*J510 + 1*J3 -
1*J12 - 1*J23 + 2*J24 + 1*J64 - 2*J84 - 1*J98 + 1*J100 + 1*J115 + 1*J122

K403 * K915 = 2*F21 + 1*F35 - 2*G21 + 1*G24 - 1*G35 + 1*G65 - 1*H152 +
1*H159 + 1*H165 + 1*H168 + 1*H171 - 2*H213 - 1*H227 + 1*H239 + 1*H13 -
1*J415 - 1*J421 - 1*J424 - 1*J427 + 1*J443 - 1*J449 + 1*J451 + 2*J470 +
1*J483 + 2*J488 + 2*J490 + 1*J494 - 1*J495 + 1*J508 + 1*J511 + 1*J4 -
1*J13 - 1*J24 + 2*J25 + 1*J65 - 2*J85 - 1*J99 + 1*J101 + 1*J116 + 1*J123

K404 * K916 = 2*F22 + 1*F36 - 2*G22 + 1*G25 - 1*G36 + 1*G66 - 1*H153 +
1*H160 + 1*H166 + 1*H169 + 1*H172 - 2*H214 - 1*H228 + 1*H240 + 1*H14 -
1*J416 - 1*J422 - 1*J425 - 1*J428 + 1*J444 - 1*J450 + 1*J452 + 2*J471 +
1*J484 + 2*J489 + 2*J491 + 1*J495 - 1*J496 + 1*J509 + 1*J0 + 1*J5 - 1*J14
- 1*J25 + 2*J26 + 1*J66 - 2*J86 - 1*J100 + 1*J102 + 1*J117 + 1*J124

K405 * ~~K917~~ = 2*F23 + 1*F37 - 2*G23 + 1*G26 - 1*G37 + 1*G67 - 1*H154 +
1*H161 + 1*H167 + 1*H170 + 1*H173 - 2*H215 - 1*H229 + 1*H241 + 1*H15 -
1*J417 - 1*J423 - 1*J426 - 1*J429 + 1*J445 - 1*J451 + 1*J453 + 2*J472 +
1*J485 + 2*J490 + 2*J492 + 1*J496 - 1*J497 + 1*J510 + 1*J1 + 1*J6 - 1*J15
- 1*J26 + 2*J27 + 1*J67 - 2*J87 - 1*J101 + 1*J103 + 1*J118 + 1*J125

K406 * K918 = 2*F24 + 1*F38 - 2*G24 + 1*G27 - 1*G38 + 1*G68 - 1*H155 +
1*H162 + 1*H168 + 1*H171 + 1*H174 - 2*H216 - 1*H230 + 1*H242 + 1*H16 -
1*J418 - 1*J424 - 1*J427 - 1*J430 + 1*J446 - 1*J452 + 1*J454 + 2*J473 +
1*J486 + 2*J491 + 2*J493 + 1*J497 - 1*J498 + 1*J511 + 1*J2 + 1*J7 - 1*J16
- 1*J27 + 2*J28 + 1*J68 - 2*J88 - 1*J102 + 1*J104 + 1*J119 + 1*J126

K408 * K920 = 2*F26 + 1*F40 - 2*G26 + 1*G29 - 1*G40 + 1*G70 - 1*H157 +
1*H164 + 1*H170 + 1*H173 + 1*H176 - 2*H218 - 1*H232 + 1*H244 + 1*H18 -
1*J420 - 1*J426 - 1*J429 - 1*J432 + 1*J448 - 1*J454 + 1*J456 + 2*J475 +

$$1*J488 + 2*J493 + 2*J495 + 1*J499 - 1*J500 + 1*J1 + 1*J4 + 1*J9 - 1*J18 - 1*J29 + 2*J30 + 1*J70 - 2*J90 - 1*J104 + 1*J106 + 1*J121 + 1*J128$$

$$K411 * K923 = 2*F29 + 1*F43 - 2*G29 + 1*G32 - 1*G43 + 1*G73 - 1*H160 + 1*H167 + 1*H173 + 1*H176 + 1*H179 - 2*H221 - 1*H235 + 1*H247 + 1*H21 - 1*J423 - 1*J429 - 1*J432 - 1*J435 + 1*J451 - 1*J457 + 1*J459 + 2*J478 + 1*J491 + 2*J496 + 2*J498 + 1*J502 - 1*J503 + 1*J4 + 1*J7 + 1*J12 - 1*J21 - 1*J32 + 2*J33 + 1*J73 - 2*J93 - 1*J107 + 1*J109 + 1*J124 + 1*J131$$

$$K412 * K924 = 2*F30 + 1*F44 - 2*G30 + 1*G33 - 1*G44 + 1*G74 - 1*H161 + 1*H168 + 1*H174 + 1*H177 + 1*H180 - 2*H222 - 1*H236 + 1*H248 + 1*H22 - 1*J424 - 1*J430 - 1*J433 - 1*J436 + 1*J452 - 1*J458 + 1*J460 + 2*J479 + 1*J492 + 2*J497 + 2*J499 + 1*J503 - 1*J504 + 1*J5 + 1*J8 + 1*J13 - 1*J22 - 1*J33 + 2*J34 + 1*J74 - 2*J94 - 1*J108 + 1*J110 + 1*J125 + 1*J132$$

$$K413 * K925 = 2*F31 + 1*F45 - 2*G31 + 1*G34 - 1*G45 + 1*G75 - 1*H162 + 1*H169 + 1*H175 + 1*H178 + 1*H181 - 2*H223 - 1*H237 + 1*H249 + 1*H23 - 1*J425 - 1*J431 - 1*J434 - 1*J437 + 1*J453 - 1*J459 + 1*J461 + 2*J480 + 1*J493 + 2*J498 + 2*J500 + 1*J504 - 1*J505 + 1*J6 + 1*J9 + 1*J14 - 1*J23 - 1*J34 + 2*J35 + 1*J75 - 2*J95 - 1*J109 + 1*J111 + 1*J126 + 1*J133$$

$$K414 * K926 = 2*F32 + 1*F46 - 2*G32 + 1*G35 - 1*G46 + 1*G76 - 1*H163 + 1*H170 + 1*H176 + 1*H179 + 1*H182 - 2*H224 - 1*H238 + 1*H250 + 1*H24 - 1*J426 - 1*J432 - 1*J435 - 1*J438 + 1*J454 - 1*J460 + 1*J462 + 2*J481 + 1*J494 + 2*J499 + 2*J501 + 1*J505 - 1*J506 + 1*J7 + 1*J10 + 1*J15 - 1*J24 - 1*J35 + 2*J36 + 1*J76 - 2*J96 - 1*J110 + 1*J112 + 1*J127 + 1*J134$$

$$K415 * K927 = 2*F33 + 1*F47 - 2*G33 + 1*G36 - 1*G47 + 1*G77 - 1*H164 + 1*H171 + 1*H177 + 1*H180 + 1*H183 - 2*H225 - 1*H239 + 1*H251 + 1*H25 - 1*J427 - 1*J433 - 1*J436 - 1*J439 + 1*J455 - 1*J461 + 1*J463 + 2*J482 + 1*J495 + 2*J500 + 2*J502 + 1*J506 - 1*J507 + 1*J8 + 1*J11 + 1*J16 - 1*J25 - 1*J36 + 2*J37 + 1*J77 - 2*J97 - 1*J111 + 1*J113 + 1*J128 + 1*J135$$

$$K416 * K928 = 2*F34 + 1*F48 - 2*G34 + 1*G37 - 1*G48 + 1*G78 - 1*H165 + 1*H172 + 1*H178 + 1*H181 + 1*H184 - 2*H226 - 1*H240 + 1*H252 + 1*H26 - 1*J428 - 1*J434 - 1*J437 - 1*J440 + 1*J456 - 1*J462 + 1*J464 + 2*J483 + 1*J496 + 2*J501 + 2*J503 + 1*J507 - 1*J508 + 1*J9 + 1*J12 + 1*J17 - 1*J26 - 1*J37 + 2*J38 + 1*J78 - 2*J98 - 1*J112 + 1*J114 + 1*J129 + 1*J136$$

$$K417 * K929 = 2*F35 + 1*F49 - 2*G35 + 1*G38 - 1*G49 + 1*G79 - 1*H166 + 1*H173 + 1*H179 + 1*H182 + 1*H185 - 2*H227 - 1*H241 + 1*H253 + 1*H27 - 1*J429 - 1*J435 - 1*J438 - 1*J441 + 1*J457 - 1*J463 + 1*J465 + 2*J484 + 1*J497 + 2*J502 + 2*J504 + 1*J508 - 1*J509 + 1*J10 + 1*J13 + 1*J18 - 1*J27 - 1*J38 + 2*J39 + 1*J79 - 2*J99 - 1*J113 + 1*J115 + 1*J130 + 1*J137$$

$$K418 * K930 = 2*F36 + 1*F50 - 2*G36 + 1*G39 - 1*G50 + 1*G80 - 1*H167 + 1*H174 + 1*H180 + 1*H183 + 1*H186 - 2*H228 - 1*H242 + 1*H254 + 1*H28 - 1*J430 - 1*J436 - 1*J439 - 1*J442 + 1*J458 - 1*J464 + 1*J466 + 2*J485 + 1*J498 + 2*J503 + 2*J505 + 1*J509 - 1*J510 + 1*J11 + 1*J14 + 1*J19 - 1*J28 - 1*J39 + 2*J40 + 1*J80 - 2*J100 - 1*J114 + 1*J116 + 1*J131 + 1*J138$$

$$K419 * K931 = 2*F37 + 1*F51 - 2*G37 + 1*G40 - 1*G51 + 1*G81 - 1*H168 + 1*H175 + 1*H181 + 1*H184 + 1*H187 - 2*H229 - 1*H243 + 1*H255 + 1*H29 - 1*J431 - 1*J437 - 1*J440 - 1*J443 + 1*J459 - 1*J465 + 1*J467 + 2*J486 + 1*J499 + 2*J504 + 2*J506 + 1*J510 - 1*J511 + 1*J12 + 1*J15 + 1*J20 - 1*J29 - 1*J40 + 2*J41 + 1*J81 - 2*J101 - 1*J115 + 1*J117 + 1*J132 + 1*J139$$

$$K420 * K932 = 2 * F38 + 1 * F52 - 2 * G38 + 1 * G41 - 1 * G52 + 1 * G82 - 1 * H169 + 1 * H176 + 1 * H182 + 1 * H185 + 1 * H188 - 2 * H230 - 1 * H244 + 1 * H0 + 1 * H30 - 1 * J432 - 1 * J438 - 1 * J441 - 1 * J444 + 1 * J460 - 1 * J466 + 1 * J468 + 2 * J487 + 1 * J500 + 2 * J505 + 2 * J507 + 1 * J511 - 1 * J0 + 1 * J13 + 1 * J16 + 1 * J21 - 1 * J30 - 1 * J41 + 2 * J42 + 1 * J82 - 2 * J102 - 1 * J116 + 1 * J118 + 1 * J133 + 1 * J140$$

$$K421 * K933 = 2 * F39 + 1 * F53 - 2 * G39 + 1 * G42 - 1 * G53 + 1 * G83 - 1 * H170 + 1 * H177 + 1 * H183 + 1 * H186 + 1 * H189 - 2 * H231 - 1 * H245 + 1 * H1 + 1 * H31 - 1 * J433 - 1 * J439 - 1 * J442 - 1 * J445 + 1 * J461 - 1 * J467 + 1 * J469 + 2 * J488 + 1 * J501 + 2 * J506 + 2 * J508 + 1 * J0 - 1 * J1 + 1 * J14 + 1 * J17 + 1 * J22 - 1 * J31 - 1 * J42 + 2 * J43 + 1 * J83 - 2 * J103 - 1 * J117 + 1 * J119 + 1 * J134 + 1 * J141$$

$$K422 * K934 = 2 * F40 + 1 * F54 - 2 * G40 + 1 * G43 - 1 * G54 + 1 * G84 - 1 * H171 + 1 * H178 + 1 * H184 + 1 * H187 + 1 * H190 - 2 * H232 - 1 * H246 + 1 * H2 + 1 * H32 - 1 * J434 - 1 * J440 - 1 * J443 - 1 * J446 + 1 * J462 - 1 * J468 + 1 * J470 + 2 * J489 + 1 * J502 + 2 * J507 + 2 * J509 + 1 * J1 - 1 * J2 + 1 * J15 + 1 * J18 + 1 * J23 - 1 * J32 - 1 * J43 + 2 * J44 + 1 * J84 - 2 * J104 - 1 * J118 + 1 * J120 + 1 * J135 + 1 * J142$$

$$K423 * K935 = 2 * F41 + 1 * F55 - 2 * G41 + 1 * G44 - 1 * G55 + 1 * G85 - 1 * H172 + 1 * H179 + 1 * H185 + 1 * H188 + 1 * H191 - 2 * H233 - 1 * H247 + 1 * H3 + 1 * H33 - 1 * J435 - 1 * J441 - 1 * J444 - 1 * J447 + 1 * J463 - 1 * J469 + 1 * J471 + 2 * J490 + 1 * J503 + 2 * J508 + 2 * J510 + 1 * J2 - 1 * J3 + 1 * J16 + 1 * J19 + 1 * J24 - 1 * J33 - 1 * J44 + 2 * J45 + 1 * J85 - 2 * J105 - 1 * J119 + 1 * J121 + 1 * J136 + 1 * J143$$

$$K424 * K936 = 2 * F42 + 1 * F56 - 2 * G42 + 1 * G45 - 1 * G56 + 1 * G86 - 1 * H173 + 1 * H180 + 1 * H186 + 1 * H189 + 1 * H192 - 2 * H234 - 1 * H248 + 1 * H4 + 1 * H34 - 1 * J436 - 1 * J442 - 1 * J445 - 1 * J448 + 1 * J464 - 1 * J470 + 1 * J472 + 2 * J491 + 1 * J504 + 2 * J509 + 2 * J511 + 1 * J3 - 1 * J4 + 1 * J17 + 1 * J20 + 1 * J25 - 1 * J34 - 1 * J45 + 2 * J46 + 1 * J86 - 2 * J106 - 1 * J120 + 1 * J122 + 1 * J137 + 1 * J144$$

$$K425 * K937 = 2 * F43 + 1 * F57 - 2 * G43 + 1 * G46 - 1 * G57 + 1 * G87 - 1 * H174 + 1 * H181 + 1 * H187 + 1 * H190 + 1 * H193 - 2 * H235 - 1 * H249 + 1 * H5 + 1 * H35 - 1 * J437 - 1 * J443 - 1 * J446 - 1 * J449 + 1 * J465 - 1 * J471 + 1 * J473 + 2 * J492 + 1 * J505 + 2 * J510 + 2 * J0 + 1 * J4 - 1 * J5 + 1 * J18 + 1 * J21 + 1 * J26 - 1 * J35 - 1 * J46 + 2 * J47 + 1 * J87 - 2 * J107 - 1 * J121 + 1 * J123 + 1 * J138 + 1 * J145$$

$$K426 * K938 = 2 * F44 + 1 * F58 - 2 * G44 + 1 * G47 - 1 * G58 + 1 * G88 - 1 * H175 + 1 * H182 + 1 * H188 + 1 * H191 + 1 * H194 - 2 * H236 - 1 * H250 + 1 * H6 + 1 * H36 - 1 * J438 - 1 * J444 - 1 * J447 - 1 * J450 + 1 * J466 - 1 * J472 + 1 * J474 + 2 * J493 + 1 * J506 + 2 * J511 + 2 * J1 + 1 * J5 - 1 * J6 + 1 * J19 + 1 * J22 + 1 * J27 - 1 * J36 - 1 * J47 + 2 * J48 + 1 * J88 - 2 * J108 - 1 * J122 + 1 * J124 + 1 * J139 + 1 * J146$$

$$K427 * K939 = 2 * F45 + 1 * F59 - 2 * G45 + 1 * G48 - 1 * G59 + 1 * G89 - 1 * H176 + 1 * H183 + 1 * H189 + 1 * H192 + 1 * H195 - 2 * H237 - 1 * H251 + 1 * H7 + 1 * H37 - 1 * J439 - 1 * J445 - 1 * J448 - 1 * J451 + 1 * J467 - 1 * J473 + 1 * J475 + 2 * J494 + 1 * J507 + 2 * J0 + 2 * J2 + 1 * J6 - 1 * J7 + 1 * J20 + 1 * J23 + 1 * J28 - 1 * J37 - 1 * J48 + 2 * J49 + 1 * J89 - 2 * J109 - 1 * J123 + 1 * J125 + 1 * J140 + 1 * J147$$

$$~~K429~~ * K941 = 2 * F47 + 1 * F61 - 2 * G47 + 1 * G50 - 1 * G61 + 1 * G91 - 1 * H178 + 1 * H185 + 1 * H191 + 1 * H194 + 1 * H197 - 2 * H239 - 1 * H253 + 1 * H9 + 1 * H39 - 1 * J441 - 1 * J447 - 1 * J450 - 1 * J453 + 1 * J469 - 1 * J475 + 1 * J477 + 2 * J496 + 1 * J509 + 2 * J2 + 2 * J4 + 1 * J8 - 1 * J9 + 1 * J22 + 1 * J25 + 1 * J30 - 1 * J39 - 1 * J50 + 2 * J51 + 1 * J91 - 2 * J111 - 1 * J125 + 1 * J127 + 1 * J142 + 1 * J149$$

$$K430 * ~~K942~~ = 2 * F48 + 1 * F62 - 2 * G48 + 1 * G51 - 1 * G62 + 1 * G92 - 1 * H179 + 1 * H186 + 1 * H192 + 1 * H195 + 1 * H198 - 2 * H240 - 1 * H254 + 1 * H10 + 1 * H40 - 1 * J442 - 1 * J448 - 1 * J451 - 1 * J454 + 1 * J470 - 1 * J476 + 1 * J478 + 2 * J497 + 1 * J510 + 2 * J3 + 2 * J5 + 1 * J9 - 1 * J10 + 1 * J23 + 1 * J26 + 1 * J31 - 1 * J40 - 1 * J51 + 2 * J52 + 1 * J92 - 2 * J112 - 1 * J126 + 1 * J128 + 1 * J143 + 1 * J150$$

$$K431 * K943 = 2 * F49 + 1 * F63 - 2 * G49 + 1 * G52 - 1 * G63 + 1 * G93 - 1 * H180 + 1 * H187 + 1 * H193 + 1 * H196 + 1 * H199 - 2 * H241 - 1 * H255 + 1 * H11 + 1 * H41 - 1 * J443 - 1 * J449 - 1 * J452 - 1 * J455 + 1 * J471 - 1 * J477 + 1 * J479 + 2 * J498 + 1 * J511 + 2 * J4 + 2 * J6 + 1 * J10 - 1 * J11 + 1 * J24 + 1 * J27 + 1 * J32 - 1 * J41 - 1 * J52 + 2 * J53 + 1 * J93 - 2 * J113 - 1 * J127 + 1 * J129 + 1 * J144 + 1 * J151$$

$$K432 * K944 = 2 * F50 + 1 * F0 - 2 * G50 + 1 * G53 - 1 * G64 + 1 * G94 - 1 * H181 + 1 * H188 + 1 * H194 + 1 * H197 + 1 * H200 - 2 * H242 - 1 * H0 + 1 * H12 + 1 * H42 - 1 * J444 - 1 * J450 - 1 * J453 - 1 * J456 + 1 * J472 - 1 * J478 + 1 * J480 + 2 * J499 + 1 * J0 + 2 * J5 + 2 * J7 + 1 * J11 - 1 * J12 + 1 * J25 + 1 * J28 + 1 * J33 - 1 * J42 - 1 * J53 + 2 * J54 + 1 * J94 - 2 * J114 - 1 * J128 + 1 * J130 + 1 * J145 + 1 * J152$$

$$K433 * ~~K945~~ = 2 * F51 + 1 * F1 - 2 * G51 + 1 * G54 - 1 * G65 + 1 * G95 - 1 * H182 + 1 * H189 + 1 * H195 + 1 * H198 + 1 * H201 - 2 * H243 - 1 * H1 + 1 * H13 + 1 * H43 - 1 * J445 - 1 * J451 - 1 * J454 - 1 * J457 + 1 * J473 - 1 * J479 + 1 * J481 + 2 * J500 + 1 * J1 + 2 * J6 + 2 * J8 + 1 * J12 - 1 * J13 + 1 * J26 + 1 * J29 + 1 * J34 - 1 * J43 - 1 * J54 + 2 * J55 + 1 * J95 - 2 * J115 - 1 * J129 + 1 * J131 + 1 * J146 + 1 * J153$$

$$K434 * ~~K946~~ = 2 * F52 + 1 * F2 - 2 * G52 + 1 * G55 - 1 * G66 + 1 * G96 - 1 * H183 + 1 * H190 + 1 * H196 + 1 * H199 + 1 * H202 - 2 * H244 - 1 * H2 + 1 * H14 + 1 * H44 - 1 * J446 - 1 * J452 - 1 * J455 - 1 * J458 + 1 * J474 - 1 * J480 + 1 * J482 + 2 * J501 + 1 * J2 + 2 * J7 + 2 * J9 + 1 * J13 - 1 * J14 + 1 * J27 + 1 * J30 + 1 * J35 - 1 * J44 - 1 * J55 + 2 * J56 + 1 * J96 - 2 * J116 - 1 * J130 + 1 * J132 + 1 * J147 + 1 * J154$$

$$K435 * ~~K947~~ = 2 * F53 + 1 * F3 - 2 * G53 + 1 * G56 - 1 * G67 + 1 * G97 - 1 * H184 + 1 * H191 + 1 * H197 + 1 * H200 + 1 * H203 - 2 * H245 - 1 * H3 + 1 * H15 + 1 * H45 - 1 * J447 - 1 * J453 - 1 * J456 - 1 * J459 + 1 * J475 - 1 * J481 + 1 * J483 + 2 * J502 + 1 * J3 + 2 * J8 + 2 * J10 + 1 * J14 - 1 * J15 + 1 * J28 + 1 * J31 + 1 * J36 - 1 * J45 - 1 * J56 + 2 * J57 + 1 * J97 - 2 * J117 - 1 * J131 + 1 * J133 + 1 * J148 + 1 * J155$$

$$K436 * ~~K948~~ = 2 * F54 + 1 * F4 - 2 * G54 + 1 * G57 - 1 * G68 + 1 * G98 - 1 * H185 + 1 * H192 + 1 * H198 + 1 * H201 + 1 * H204 - 2 * H246 - 1 * H4 + 1 * H16 + 1 * H46 - 1 * J448 - 1 * J454 - 1 * J457 - 1 * J460 + 1 * J476 - 1 * J482 + 1 * J484 + 2 * J503 + 1 * J4 + 2 * J9 + 2 * J11 + 1 * J15 - 1 * J16 + 1 * J29 + 1 * J32 + 1 * J37 - 1 * J46 - 1 * J57 + 2 * J58 + 1 * J98 - 2 * J118 - 1 * J132 + 1 * J134 + 1 * J149 + 1 * J156$$

$$K437 * K949 = 2 * F55 + 1 * F5 - 2 * G55 + 1 * G58 - 1 * G69 + 1 * G99 - 1 * H186 + 1 * H193 + 1 * H199 + 1 * H202 + 1 * H205 - 2 * H247 - 1 * H5 + 1 * H17 + 1 * H47 - 1 * J449 - 1 * J455 - 1 * J458 - 1 * J461 + 1 * J477 - 1 * J483 + 1 * J485 + 2 * J504 + 1 * J5 + 2 * J10 + 2 * J12 + 1 * J16 - 1 * J17 + 1 * J30 + 1 * J33 + 1 * J38 - 1 * J47 - 1 * J58 + 2 * J59 + 1 * J99 - 2 * J119 - 1 * J133 + 1 * J135 + 1 * J150 + 1 * J157$$

$$K438 * K950 = 2 * F56 + 1 * F6 - 2 * G56 + 1 * G59 - 1 * G70 + 1 * G100 - 1 * H187 + 1 * H194 + 1 * H200 + 1 * H203 + 1 * H206 - 2 * H248 - 1 * H6 + 1 * H18 + 1 * H48 - 1 * J450 - 1 * J456 - 1 * J459 - 1 * J462 + 1 * J478 - 1 * J484 + 1 * J486 + 2 * J505 + 1 * J6 + 2 * J11 + 2 * J13 + 1 * J17 - 1 * J18 + 1 * J31 + 1 * J34 + 1 * J39 - 1 * J48 - 1 * J59 + 2 * J60 + 1 * J100 - 2 * J120 - 1 * J134 + 1 * J136 + 1 * J151 + 1 * J158$$

$$~~K439~~ * K951 = 2 * F57 + 1 * F7 - 2 * G57 + 1 * G60 - 1 * G71 + 1 * G101 - 1 * H188 + 1 * H195 + 1 * H201 + 1 * H204 + 1 * H207 - 2 * H249 - 1 * H7 + 1 * H19 + 1 * H49 - 1 * J451 - 1 * J457 - 1 * J460 - 1 * J463 + 1 * J479 - 1 * J485 + 1 * J487 + 2 * J506 + 1 * J7 + 2 * J12 + 2 * J14 + 1 * J18 - 1 * J19 + 1 * J32 + 1 * J35 + 1 * J40 - 1 * J49 - 1 * J60 + 2 * J61 + 1 * J101 - 2 * J121 - 1 * J135 + 1 * J137 + 1 * J152 + 1 * J159$$

$$~~K440~~ * K952 = 2 * F58 + 1 * F8 - 2 * G58 + 1 * G61 - 1 * G72 + 1 * G102 - 1 * H189 + 1 * H196 + 1 * H202 + 1 * H205 + 1 * H208 - 2 * H250 - 1 * H8 + 1 * H20 + 1 * H50 - 1 * J452 - 1 * J458 - 1 * J461 - 1 * J464 + 1 * J480 - 1 * J486 + 1 * J488 + 2 * J507 + 1 * J8 + 2 * J13 + 2 * J15 + 1 * J19 - 1 * J20 + 1 * J33 + 1 * J36 + 1 * J41 - 1 * J50 - 1 * J61 + 2 * J62 + 1 * J102 - 2 * J122 - 1 * J136 + 1 * J138 + 1 * J153 + 1 * J160$$

$$K451 * \cancel{K963} = 2 * F5 + 1 * F19 - 2 * G69 + 1 * G72 - 1 * G83 + 1 * G113 - 1 * H200 + 1 * H207 + 1 * H213 + 1 * H216 + 1 * H219 - 2 * H5 - 1 * H19 + 1 * H31 + 1 * H61 - 1 * J463 - 1 * J469 - 1 * J472 - 1 * J475 + 1 * J491 - 1 * J497 + 1 * J499 + 2 * J6 + 1 * J19 + 2 * J24 + 2 * J26 + 1 * J30 - 1 * J31 + 1 * J44 + 1 * J47 + 1 * J52 - 1 * J61 - 1 * J72 + 2 * J73 + 1 * J113 - 2 * J133 - 1 * J147 + 1 * J149 + 1 * J164 + 1 * J171$$

$$K452 * K964 = 2 * F6 + 1 * F20 - 2 * G70 + 1 * G73 - 1 * G84 + 1 * G114 - 1 * H201 + 1 * H208 + 1 * H214 + 1 * H217 + 1 * H220 - 2 * H6 - 1 * H20 + 1 * H32 + 1 * H62 - 1 * J464 - 1 * J470 - 1 * J473 - 1 * J476 + 1 * J492 - 1 * J498 + 1 * J500 + 2 * J7 + 1 * J20 + 2 * J25 + 2 * J27 + 1 * J31 - 1 * J32 + 1 * J45 + 1 * J48 + 1 * J53 - 1 * J62 - 1 * J73 + 2 * J74 + 1 * J114 - 2 * J134 - 1 * J148 + 1 * J150 + 1 * J165 + 1 * J172$$

$$K453 * \cancel{K965} = 2 * F7 + 1 * F21 - 2 * G71 + 1 * G74 - 1 * G85 + 1 * G115 - 1 * H202 + 1 * H209 + 1 * H215 + 1 * H218 + 1 * H221 - 2 * H7 - 1 * H21 + 1 * H33 + 1 * H63 - 1 * J465 - 1 * J471 - 1 * J474 - 1 * J477 + 1 * J493 - 1 * J499 + 1 * J501 + 2 * J8 + 1 * J21 + 2 * J26 + 2 * J28 + 1 * J32 - 1 * J33 + 1 * J46 + 1 * J49 + 1 * J54 - 1 * J63 - 1 * J74 + 2 * J75 + 1 * J115 - 2 * J135 - 1 * J149 + 1 * J151 + 1 * J166 + 1 * J173$$

$$K454 * \cancel{K966} = 2 * F8 + 1 * F22 - 2 * G72 + 1 * G75 - 1 * G86 + 1 * G116 - 1 * H203 + 1 * H210 + 1 * H216 + 1 * H219 + 1 * H222 - 2 * H8 - 1 * H22 + 1 * H34 + 1 * H64 - 1 * J466 - 1 * J472 - 1 * J475 - 1 * J478 + 1 * J494 - 1 * J500 + 1 * J502 + 2 * J9 + 1 * J22 + 2 * J27 + 2 * J29 + 1 * J33 - 1 * J34 + 1 * J47 + 1 * J50 + 1 * J55 - 1 * J64 - 1 * J75 + 2 * J76 + 1 * J116 - 2 * J136 - 1 * J150 + 1 * J152 + 1 * J167 + 1 * J174$$

$$K455 * K967 = 2 * F9 + 1 * F23 - 2 * G73 + 1 * G76 - 1 * G87 + 1 * G117 - 1 * H204 + 1 * H211 + 1 * H217 + 1 * H220 + 1 * H223 - 2 * H9 - 1 * H23 + 1 * H35 + 1 * H65 - 1 * J467 - 1 * J473 - 1 * J476 - 1 * J479 + 1 * J495 - 1 * J501 + 1 * J503 + 2 * J10 + 1 * J23 + 2 * J28 + 2 * J30 + 1 * J34 - 1 * J35 + 1 * J48 + 1 * J51 + 1 * J56 - 1 * J65 - 1 * J76 + 2 * J77 + 1 * J117 - 2 * J137 - 1 * J151 + 1 * J153 + 1 * J168 + 1 * J175$$

$$K456 * K968 = 2 * F10 + 1 * F24 - 2 * G74 + 1 * G77 - 1 * G88 + 1 * G118 - 1 * H205 + 1 * H212 + 1 * H218 + 1 * H221 + 1 * H224 - 2 * H10 - 1 * H24 + 1 * H36 + 1 * H66 - 1 * J468 - 1 * J474 - 1 * J477 - 1 * J480 + 1 * J496 - 1 * J502 + 1 * J504 + 2 * J11 + 1 * J24 + 2 * J29 + 2 * J31 + 1 * J35 - 1 * J36 + 1 * J49 + 1 * J52 + 1 * J57 - 1 * J66 - 1 * J77 + 2 * J78 + 1 * J118 - 2 * J138 - 1 * J152 + 1 * J154 + 1 * J169 + 1 * J176$$

$$K457 * K969 = 2 * F11 + 1 * F25 - 2 * G75 + 1 * G78 - 1 * G89 + 1 * G119 - 1 * H206 + 1 * H213 + 1 * H219 + 1 * H222 + 1 * H225 - 2 * H11 - 1 * H25 + 1 * H37 + 1 * H67 - 1 * J469 - 1 * J475 - 1 * J478 - 1 * J481 + 1 * J497 - 1 * J503 + 1 * J505 + 2 * J12 + 1 * J25 + 2 * J30 + 2 * J32 + 1 * J36 - 1 * J37 + 1 * J50 + 1 * J53 + 1 * J58 - 1 * J67 - 1 * J78 + 2 * J79 + 1 * J119 - 2 * J139 - 1 * J153 + 1 * J155 + 1 * J170 + 1 * J177$$

$$K458 * \cancel{K970} = 2 * F12 + 1 * F26 - 2 * G76 + 1 * G79 - 1 * G90 + 1 * G120 - 1 * H207 + 1 * H214 + 1 * H220 + 1 * H223 + 1 * H226 - 2 * H12 - 1 * H26 + 1 * H38 + 1 * H68 - 1 * J470 - 1 * J476 - 1 * J479 - 1 * J482 + 1 * J498 - 1 * J504 + 1 * J506 + 2 * J13 + 1 * J26 + 2 * J31 + 2 * J33 + 1 * J37 - 1 * J38 + 1 * J51 + 1 * J54 + 1 * J59 - 1 * J68 - 1 * J79 + 2 * J80 + 1 * J120 - 2 * J140 - 1 * J154 + 1 * J156 + 1 * J171 + 1 * J178$$

$$K459 * \cancel{K971} = 2 * F13 + 1 * F27 - 2 * G77 + 1 * G80 - 1 * G91 + 1 * G121 - 1 * H208 + 1 * H215 + 1 * H221 + 1 * H224 + 1 * H227 - 2 * H13 - 1 * H27 + 1 * H39 + 1 * H69 - 1 * J471 - 1 * J477 - 1 * J480 - 1 * J483 + 1 * J499 - 1 * J505 + 1 * J507 + 2 * J14 + 1 * J27 + 2 * J32 + 2 * J34 + 1 * J38 - 1 * J39 + 1 * J52 + 1 * J55 + 1 * J60 - 1 * J69 - 1 * J80 + 2 * J81 + 1 * J121 - 2 * J141 - 1 * J155 + 1 * J157 + 1 * J172 + 1 * J179$$

$$K460 * K972 = 2 * F14 + 1 * F28 - 2 * G78 + 1 * G81 - 1 * G92 + 1 * G122 - 1 * H209 + 1 * H216 + 1 * H222 + 1 * H225 + 1 * H228 - 2 * H14 - 1 * H28 + 1 * H40 + 1 * H70 - 1 * J472 - 1 * J478 - 1 * J481 - 1 * J484 + 1 * J500 - 1 * J506 + 1 * J508 + 2 * J15 + 1 * J28 + 2 * J33 + 2 * J35 + 1 * J39 - 1 * J40 + 1 * J53 + 1 * J56 + 1 * J61 - 1 * J70 - 1 * J81 + 2 * J82 + 1 * J122 - 2 * J142 - 1 * J156 + 1 * J158 + 1 * J173 + 1 * J180$$

$$K461 * K973 = 2 * F15 + 1 * F29 - 2 * G79 + 1 * G82 - 1 * G93 + 1 * G123 - 1 * H210 + 1 * H217 + 1 * H223 + 1 * H226 + 1 * H229 - 2 * H15 - 1 * H29 + 1 * H41 + 1 * H71 - 1 * J473 - 1 * J479 - 1 * J482 - 1 * J485 + 1 * J501 - 1 * J507 + 1 * J509 + 2 * J16 + 1 * J29 + 2 * J34 + 2 * J36 + 1 * J40 - 1 * J41 + 1 * J54 + 1 * J57 + 1 * J62 - 1 * J71 - 1 * J82 + 2 * J83 + 1 * J123 - 2 * J143 - 1 * J157 + 1 * J159 + 1 * J174 + 1 * J181$$

$$K462 * K974 = 2 * F16 + 1 * F30 - 2 * G80 + 1 * G83 - 1 * G94 + 1 * G124 - 1 * H211 + 1 * H218 + 1 * H224 + 1 * H227 + 1 * H230 - 2 * H16 - 1 * H30 + 1 * H42 + 1 * H72 - 1 * J474 - 1 * J480 - 1 * J483 - 1 * J486 + 1 * J502 - 1 * J508 + 1 * J510 + 2 * J17 + 1 * J30 + 2 * J35 + 2 * J37 + 1 * J41 - 1 * J42 + 1 * J55 + 1 * J58 + 1 * J63 - 1 * J72 - 1 * J83 + 2 * J84 + 1 * J124 - 2 * J144 - 1 * J158 + 1 * J160 + 1 * J175 + 1 * J182$$

$$K463 * ~~K975~~ = 2 * F17 + 1 * F31 - 2 * G81 + 1 * G84 - 1 * G95 + 1 * G125 - 1 * H212 + 1 * H219 + 1 * H225 + 1 * H228 + 1 * H231 - 2 * H17 - 1 * H31 + 1 * H43 + 1 * H73 - 1 * J475 - 1 * J481 - 1 * J484 - 1 * J487 + 1 * J503 - 1 * J509 + 1 * J511 + 2 * J18 + 1 * J31 + 2 * J36 + 2 * J38 + 1 * J42 - 1 * J43 + 1 * J56 + 1 * J59 + 1 * J64 - 1 * J73 - 1 * J84 + 2 * J85 + 1 * J125 - 2 * J145 - 1 * J159 + 1 * J161 + 1 * J176 + 1 * J183$$

$$K464 * ~~K976~~ = 2 * F18 + 1 * F32 - 2 * G82 + 1 * G85 - 1 * G96 + 1 * G126 - 1 * H213 + 1 * H220 + 1 * H226 + 1 * H229 + 1 * H232 - 2 * H18 - 1 * H32 + 1 * H44 + 1 * H74 - 1 * J476 - 1 * J482 - 1 * J485 - 1 * J488 + 1 * J504 - 1 * J510 + 1 * J0 + 2 * J19 + 1 * J32 + 2 * J37 + 2 * J39 + 1 * J43 - 1 * J44 + 1 * J57 + 1 * J60 + 1 * J65 - 1 * J74 - 1 * J85 + 2 * J86 + 1 * J126 - 2 * J146 - 1 * J160 + 1 * J162 + 1 * J177 + 1 * J184$$

$$K467 * K979 = 2 * F21 + 1 * F35 - 2 * G85 + 1 * G88 - 1 * G99 + 1 * G1 - 1 * H216 + 1 * H223 + 1 * H229 + 1 * H232 + 1 * H235 - 2 * H21 - 1 * H35 + 1 * H47 + 1 * H77 - 1 * J479 - 1 * J485 - 1 * J488 - 1 * J491 + 1 * J507 - 1 * J1 + 1 * J3 + 2 * J22 + 1 * J35 + 2 * J40 + 2 * J42 + 1 * J46 - 1 * J47 + 1 * J60 + 1 * J63 + 1 * J68 - 1 * J77 - 1 * J88 + 2 * J89 + 1 * J129 - 2 * J149 - 1 * J163 + 1 * J165 + 1 * J180 + 1 * J187$$

$$K468 * ~~K980~~ = 2 * F22 + 1 * F36 - 2 * G86 + 1 * G89 - 1 * G100 + 1 * G2 - 1 * H217 + 1 * H224 + 1 * H230 + 1 * H233 + 1 * H236 - 2 * H22 - 1 * H36 + 1 * H48 + 1 * H78 - 1 * J480 - 1 * J486 - 1 * J489 - 1 * J492 + 1 * J508 - 1 * J2 + 1 * J4 + 2 * J23 + 1 * J36 + 2 * J41 + 2 * J43 + 1 * J47 - 1 * J48 + 1 * J61 + 1 * J64 + 1 * J69 - 1 * J78 - 1 * J89 + 2 * J90 + 1 * J130 - 2 * J150 - 1 * J164 + 1 * J166 + 1 * J181 + 1 * J188$$

$$K470 * K982 = 2 * F24 + 1 * F38 - 2 * G88 + 1 * G91 - 1 * G102 + 1 * G4 - 1 * H219 + 1 * H226 + 1 * H232 + 1 * H235 + 1 * H238 - 2 * H24 - 1 * H38 + 1 * H50 + 1 * H80 - 1 * J482 - 1 * J488 - 1 * J491 - 1 * J494 + 1 * J510 - 1 * J4 + 1 * J6 + 2 * J25 + 1 * J38 + 2 * J43 + 2 * J45 + 1 * J49 - 1 * J50 + 1 * J63 + 1 * J66 + 1 * J71 - 1 * J80 - 1 * J91 + 2 * J92 + 1 * J132 - 2 * J152 - 1 * J166 + 1 * J168 + 1 * J183 + 1 * J190$$

$$~~K471~~ * K983 = 2 * F25 + 1 * F39 - 2 * G89 + 1 * G92 - 1 * G103 + 1 * G5 - 1 * H220 + 1 * H227 + 1 * H233 + 1 * H236 + 1 * H239 - 2 * H25 - 1 * H39 + 1 * H51 + 1 * H81 - 1 * J483 - 1 * J489 - 1 * J492 - 1 * J495 + 1 * J511 - 1 * J5 + 1 * J7 + 2 * J26 + 1 * J39 + 2 * J44 + 2 * J46 + 1 * J50 - 1 * J51 + 1 * J64 + 1 * J67 + 1 * J72 - 1 * J81 - 1 * J92 + 2 * J93 + 1 * J133 - 2 * J153 - 1 * J167 + 1 * J169 + 1 * J184 + 1 * J191$$

$$~~K472~~ * K984 = 2 * F26 + 1 * F40 - 2 * G90 + 1 * G93 - 1 * G104 + 1 * G6 - 1 * H221 + 1 * H228 + 1 * H234 + 1 * H237 + 1 * H240 - 2 * H26 - 1 * H40 + 1 * H52 + 1 * H82 - 1 * J484 - 1 * J490 - 1 * J493 - 1 * J496 + 1 * J0 - 1 * J6 + 1 * J8 + 2 * J27 + 1 * J40 + 2 * J45 + 2 * J47 + 1 * J51 - 1 * J52 + 1 * J65 + 1 * J68 + 1 * J73 - 1 * J82 - 1 * J93 + 2 * J94 + 1 * J134 - 2 * J154 - 1 * J168 + 1 * J170 + 1 * J185 + 1 * J192$$

$$~~K473~~ * K985 = 2 * F27 + 1 * F41 - 2 * G91 + 1 * G94 - 1 * G105 + 1 * G7 - 1 * H222 + 1 * H229 + 1 * H235 + 1 * H238 + 1 * H241 - 2 * H27 - 1 * H41 + 1 * H53 + 1 * H83 - 1 * J485 - 1 * J491 - 1 * J494 - 1 * J497 + 1 * J1 - 1 * J7 + 1 * J9 + 2 * J28 + 1 * J41 + 2 * J46 + 2 * J48 + 1 * J52 - 1 * J53 + 1 * J66 + 1 * J69 + 1 * J74 - 1 * J83 - 1 * J94 + 2 * J95 + 1 * J135 - 2 * J155 - 1 * J169 + 1 * J171 + 1 * J186 + 1 * J193$$

$$K474 * K986 = 2*F28 + 1*F42 - 2*G92 + 1*G95 - 1*G106 + 1*G8 - 1*H223 + 1*H230 + 1*H236 + 1*H239 + 1*H242 - 2*H28 - 1*H42 + 1*H54 + 1*H84 - 1*J486 - 1*J492 - 1*J495 - 1*J498 + 1*J2 - 1*J8 + 1*J10 + 2*J29 + 1*J42 + 2*J47 + 2*J49 + 1*J53 - 1*J54 + 1*J67 + 1*J70 + 1*J75 - 1*J84 - 1*J95 + 2*J96 + 1*J136 - 2*J156 - 1*J170 + 1*J172 + 1*J187 + 1*J194$$

$$K475 * K987 = 2*F29 + 1*F43 - 2*G93 + 1*G96 - 1*G107 + 1*G9 - 1*H224 + 1*H231 + 1*H237 + 1*H240 + 1*H243 - 2*H29 - 1*H43 + 1*H55 + 1*H85 - 1*J487 - 1*J493 - 1*J496 - 1*J499 + 1*J3 - 1*J9 + 1*J11 + 2*J30 + 1*J43 + 2*J48 + 2*J50 + 1*J54 - 1*J55 + 1*J68 + 1*J71 + 1*J76 - 1*J85 - 1*J96 + 2*J97 + 1*J137 - 2*J157 - 1*J171 + 1*J173 + 1*J188 + 1*J195$$

$$K476 * ~~K988~~ = 2*F30 + 1*F44 - 2*G94 + 1*G97 - 1*G108 + 1*G10 - 1*H225 + 1*H232 + 1*H238 + 1*H241 + 1*H244 - 2*H30 - 1*H44 + 1*H56 + 1*H86 - 1*J488 - 1*J494 - 1*J497 - 1*J500 + 1*J4 - 1*J10 + 1*J12 + 2*J31 + 1*J44 + 2*J49 + 2*J51 + 1*J55 - 1*J56 + 1*J69 + 1*J72 + 1*J77 - 1*J86 - 1*J97 + 2*J98 + 1*J138 - 2*J158 - 1*J172 + 1*J174 + 1*J189 + 1*J196$$

$$K477 * K989 = 2*F31 + 1*F45 - 2*G95 + 1*G98 - 1*G109 + 1*G11 - 1*H226 + 1*H233 + 1*H239 + 1*H242 + 1*H245 - 2*H31 - 1*H45 + 1*H57 + 1*H87 - 1*J489 - 1*J495 - 1*J498 - 1*J501 + 1*J5 - 1*J11 + 1*J13 + 2*J32 + 1*J45 + 2*J50 + 2*J52 + 1*J56 - 1*J57 + 1*J70 + 1*J73 + 1*J78 - 1*J87 - 1*J98 + 2*J99 + 1*J139 - 2*J159 - 1*J173 + 1*J175 + 1*J190 + 1*J197$$

$$K478 * K990 = 2*F32 + 1*F46 - 2*G96 + 1*G99 - 1*G110 + 1*G12 - 1*H227 + 1*H234 + 1*H240 + 1*H243 + 1*H246 - 2*H32 - 1*H46 + 1*H58 + 1*H88 - 1*J490 - 1*J496 - 1*J499 - 1*J502 + 1*J6 - 1*J12 + 1*J14 + 2*J33 + 1*J46 + 2*J51 + 2*J53 + 1*J57 - 1*J58 + 1*J71 + 1*J74 + 1*J79 - 1*J88 - 1*J99 + 2*J100 + 1*J140 - 2*J160 - 1*J174 + 1*J176 + 1*J191 + 1*J198$$

$$K479 * K991 = 2*F33 + 1*F47 - 2*G97 + 1*G100 - 1*G111 + 1*G13 - 1*H228 + 1*H235 + 1*H241 + 1*H244 + 1*H247 - 2*H33 - 1*H47 + 1*H59 + 1*H89 - 1*J491 - 1*J497 - 1*J500 - 1*J503 + 1*J7 - 1*J13 + 1*J15 + 2*J34 + 1*J47 + 2*J52 + 2*J54 + 1*J58 - 1*J59 + 1*J72 + 1*J75 + 1*J80 - 1*J89 - 1*J100 + 2*J101 + 1*J141 - 2*J161 - 1*J175 + 1*J177 + 1*J192 + 1*J199$$

$$K480 * K992 = 2*F34 + 1*F48 - 2*G98 + 1*G101 - 1*G112 + 1*G14 - 1*H229 + 1*H236 + 1*H242 + 1*H245 + 1*H248 - 2*H34 - 1*H48 + 1*H60 + 1*H90 - 1*J492 - 1*J498 - 1*J501 - 1*J504 + 1*J8 - 1*J14 + 1*J16 + 2*J35 + 1*J48 + 2*J53 + 2*J55 + 1*J59 - 1*J60 + 1*J73 + 1*J76 + 1*J81 - 1*J90 - 1*J101 + 2*J102 + 1*J142 - 2*J162 - 1*J176 + 1*J178 + 1*J193 + 1*J200$$

$$K481 * K993 = 2*F35 + 1*F49 - 2*G99 + 1*G102 - 1*G113 + 1*G15 - 1*H230 + 1*H237 + 1*H243 + 1*H246 + 1*H249 - 2*H35 - 1*H49 + 1*H61 + 1*H91 - 1*J493 - 1*J499 - 1*J502 - 1*J505 + 1*J9 - 1*J15 + 1*J17 + 2*J36 + 1*J49 + 2*J54 + 2*J56 + 1*J60 - 1*J61 + 1*J74 + 1*J77 + 1*J82 - 1*J91 - 1*J102 + 2*J103 + 1*J143 - 2*J163 - 1*J177 + 1*J179 + 1*J194 + 1*J201$$

$$K482 * K994 = 2*F36 + 1*F50 - 2*G100 + 1*G103 - 1*G114 + 1*G16 - 1*H231 + 1*H238 + 1*H244 + 1*H247 + 1*H250 - 2*H36 - 1*H50 + 1*H62 + 1*H92 - 1*J494 - 1*J500 - 1*J503 - 1*J506 + 1*J10 - 1*J16 + 1*J18 + 2*J37 + 1*J50 + 2*J55 + 2*J57 + 1*J61 - 1*J62 + 1*J75 + 1*J78 + 1*J83 - 1*J92 - 1*J103 + 2*J104 + 1*J144 - 2*J164 - 1*J178 + 1*J180 + 1*J195 + 1*J202$$

$$K483 * K995 = 2*F37 + 1*F51 - 2*G101 + 1*G104 - 1*G115 + 1*G17 - 1*H232 + 1*H239 + 1*H245 + 1*H248 + 1*H251 - 2*H37 - 1*H51 + 1*H63 + 1*H93 - 1*J495 - 1*J501 - 1*J504 - 1*J507 + 1*J11 - 1*J17 + 1*J19 + 2*J38 + 1*J51 + 2*J56 + 2*J58 + 1*J62 - 1*J63 + 1*J76 + 1*J79 + 1*J84 - 1*J93 - 1*J104 + 2*J105 + 1*J145 - 2*J165 - 1*J179 + 1*J181 + 1*J196 + 1*J203$$

$$K485 * K997 = 2 * F39 + 1 * F53 - 2 * G103 + 1 * G106 - 1 * G117 + 1 * G19 - 1 * H234 + 1 * H241 + 1 * H247 + 1 * H250 + 1 * H253 - 2 * H39 - 1 * H53 + 1 * H65 + 1 * H95 - 1 * J497 - 1 * J503 - 1 * J506 - 1 * J509 + 1 * J13 - 1 * J19 + 1 * J21 + 2 * J40 + 1 * J53 + 2 * J58 + 2 * J60 + 1 * J64 - 1 * J65 + 1 * J78 + 1 * J81 + 1 * J86 - 1 * J95 - 1 * J106 + 2 * J107 + 1 * J147 - 2 * J167 - 1 * J181 + 1 * J183 + 1 * J198 + 1 * J205$$

$$K486 * K998 = 2 * F40 + 1 * F54 - 2 * G104 + 1 * G107 - 1 * G118 + 1 * G20 - 1 * H235 + 1 * H242 + 1 * H248 + 1 * H251 + 1 * H254 - 2 * H40 - 1 * H54 + 1 * H66 + 1 * H96 - 1 * J498 - 1 * J504 - 1 * J507 - 1 * J510 + 1 * J14 - 1 * J20 + 1 * J22 + 2 * J41 + 1 * J54 + 2 * J59 + 2 * J61 + 1 * J65 - 1 * J66 + 1 * J79 + 1 * J82 + 1 * J87 - 1 * J96 - 1 * J107 + 2 * J108 + 1 * J148 - 2 * J168 - 1 * J182 + 1 * J184 + 1 * J199 + 1 * J206$$

$$K487 * K999 = 2 * F41 + 1 * F55 - 2 * G105 + 1 * G108 - 1 * G119 + 1 * G21 - 1 * H236 + 1 * H243 + 1 * H249 + 1 * H252 + 1 * H255 - 2 * H41 - 1 * H55 + 1 * H67 + 1 * H97 - 1 * J499 - 1 * J505 - 1 * J508 - 1 * J511 + 1 * J15 - 1 * J21 + 1 * J23 + 2 * J42 + 1 * J55 + 2 * J60 + 2 * J62 + 1 * J66 - 1 * J67 + 1 * J80 + 1 * J83 + 1 * J88 - 1 * J97 - 1 * J108 + 2 * J109 + 1 * J149 - 2 * J169 - 1 * J183 + 1 * J185 + 1 * J200 + 1 * J207$$

$$K488 * ~~K1000~~ = 2 * F42 + 1 * F56 - 2 * G106 + 1 * G109 - 1 * G120 + 1 * G22 - 1 * H237 + 1 * H244 + 1 * H250 + 1 * H253 + 1 * H0 - 2 * H42 - 1 * H56 + 1 * H68 + 1 * H98 - 1 * J500 - 1 * J506 - 1 * J509 - 1 * J0 + 1 * J16 - 1 * J22 + 1 * J24 + 2 * J43 + 1 * J56 + 2 * J61 + 2 * J63 + 1 * J67 - 1 * J68 + 1 * J81 + 1 * J84 + 1 * J89 - 1 * J98 - 1 * J109 + 2 * J110 + 1 * J150 - 2 * J170 - 1 * J184 + 1 * J186 + 1 * J201 + 1 * J208$$

$$K489 * ~~K1001~~ = 2 * F43 + 1 * F57 - 2 * G107 + 1 * G110 - 1 * G121 + 1 * G23 - 1 * H238 + 1 * H245 + 1 * H251 + 1 * H254 + 1 * H1 - 2 * H43 - 1 * H57 + 1 * H69 + 1 * H99 - 1 * J501 - 1 * J507 - 1 * J510 - 1 * J1 + 1 * J17 - 1 * J23 + 1 * J25 + 2 * J44 + 1 * J57 + 2 * J62 + 2 * J64 + 1 * J68 - 1 * J69 + 1 * J82 + 1 * J85 + 1 * J90 - 1 * J99 - 1 * J110 + 2 * J111 + 1 * J151 - 2 * J171 - 1 * J185 + 1 * J187 + 1 * J202 + 1 * J209$$

$$K490 * ~~K1002~~ = 2 * F44 + 1 * F58 - 2 * G108 + 1 * G111 - 1 * G122 + 1 * G24 - 1 * H239 + 1 * H246 + 1 * H252 + 1 * H255 + 1 * H2 - 2 * H44 - 1 * H58 + 1 * H70 + 1 * H100 - 1 * J502 - 1 * J508 - 1 * J511 - 1 * J2 + 1 * J18 - 1 * J24 + 1 * J26 + 2 * J45 + 1 * J58 + 2 * J63 + 2 * J65 + 1 * J69 - 1 * J70 + 1 * J83 + 1 * J86 + 1 * J91 - 1 * J100 - 1 * J111 + 2 * J112 + 1 * J152 - 2 * J172 - 1 * J186 + 1 * J188 + 1 * J203 + 1 * J210$$

$$~~K492~~ * K1004 = 2 * F46 + 1 * F60 - 2 * G110 + 1 * G113 - 1 * G124 + 1 * G26 - 1 * H241 + 1 * H248 + 1 * H254 + 1 * H1 + 1 * H4 - 2 * H46 - 1 * H60 + 1 * H72 + 1 * H102 - 1 * J504 - 1 * J510 - 1 * J1 - 1 * J4 + 1 * J20 - 1 * J26 + 1 * J28 + 2 * J47 + 1 * J60 + 2 * J65 + 2 * J67 + 1 * J71 - 1 * J72 + 1 * J85 + 1 * J88 + 1 * J93 - 1 * J102 - 1 * J113 + 2 * J114 + 1 * J154 - 2 * J174 - 1 * J188 + 1 * J190 + 1 * J205 + 1 * J212$$

$$~~K493~~ * K1005 = 2 * F47 + 1 * F61 - 2 * G111 + 1 * G114 - 1 * G125 + 1 * G27 - 1 * H242 + 1 * H249 + 1 * H255 + 1 * H2 + 1 * H5 - 2 * H47 - 1 * H61 + 1 * H73 + 1 * H103 - 1 * J505 - 1 * J511 - 1 * J2 - 1 * J5 + 1 * J21 - 1 * J27 + 1 * J29 + 2 * J48 + 1 * J61 + 2 * J66 + 2 * J68 + 1 * J72 - 1 * J73 + 1 * J86 + 1 * J89 + 1 * J94 - 1 * J103 - 1 * J114 + 2 * J115 + 1 * J155 - 2 * J175 - 1 * J189 + 1 * J191 + 1 * J206 + 1 * J213$$

$$K494 * K1006 = 2 * F48 + 1 * F62 - 2 * G112 + 1 * G115 - 1 * G126 + 1 * G28 - 1 * H243 + 1 * H250 + 1 * H0 + 1 * H3 + 1 * H6 - 2 * H48 - 1 * H62 + 1 * H74 + 1 * H104 - 1 * J506 - 1 * J0 - 1 * J3 - 1 * J6 + 1 * J22 - 1 * J28 + 1 * J30 + 2 * J49 + 1 * J62 + 2 * J67 + 2 * J69 + 1 * J73 - 1 * J74 + 1 * J87 + 1 * J90 + 1 * J95 - 1 * J104 - 1 * J115 + 2 * J116 + 1 * J156 - 2 * J176 - 1 * J190 + 1 * J192 + 1 * J207 + 1 * J214$$

$$K495 * K1007 = 2 * F49 + 1 * F63 - 2 * G113 + 1 * G116 - 1 * G127 + 1 * G29 - 1 * H244 + 1 * H251 + 1 * H1 + 1 * H4 + 1 * H7 - 2 * H49 - 1 * H63 + 1 * H75 + 1 * H105 - 1 * J507 - 1 * J1 - 1 * J4 - 1 * J7 + 1 * J23 - 1 * J29 + 1 * J31 + 2 * J50 + 1 * J63 + 2 * J68 + 2 * J70 + 1 * J74 - 1 * J75 + 1 * J88 + 1 * J91 + 1 * J96 - 1 * J105 - 1 * J116 + 2 * J117 + 1 * J157 - 2 * J177 - 1 * J191 + 1 * J193 + 1 * J208 + 1 * J215$$

$$K496 * K1008 = 2 * F50 + 1 * F0 - 2 * G114 + 1 * G117 - 1 * G0 + 1 * G30 - 1 * H245 + 1 * H252 + 1 * H2 + 1 * H5 + 1 * H8 - 2 * H50 - 1 * H64 + 1 * H76 + 1 * H106 - 1 * J508 - 1 * J2 - 1 * J5 - 1 * J8 + 1 * J24 - 1 * J30 + 1 * J32 + 2 * J51 + 1 * J64 + 2 * J69 + 2 * J71 + 1 * J75 - 1 * J76 + 1 * J89 + 1 * J92 + 1 * J97 - 1 * J106 - 1 * J117 + 2 * J118 + 1 * J158 - 2 * J178 - 1 * J192 + 1 * J194 + 1 * J209 + 1 * J216$$

$$K498 * K1010 = 2 * F52 + 1 * F2 - 2 * G116 + 1 * G119 - 1 * G2 + 1 * G32 - 1 * H247 + 1 * H254 + 1 * H4 + 1 * H7 + 1 * H10 - 2 * H52 - 1 * H66 + 1 * H78 + 1 * H108 - 1 * J510 - 1 * J4 - 1 * J7 - 1 * J10 + 1 * J26 - 1 * J32 + 1 * J34 + 2 * J53 + 1 * J66 + 2 * J71 + 2 * J73 + 1 * J77 - 1 * J78 + 1 * J91 + 1 * J94 + 1 * J99 - 1 * J108 - 1 * J119 + 2 * J120 + 1 * J160 - 2 * J180 - 1 * J194 + 1 * J196 + 1 * J211 + 1 * J218$$

$$~~K499~~ * K1011 = 2 * F53 + 1 * F3 - 2 * G117 + 1 * G120 - 1 * G3 + 1 * G33 - 1 * H248 + 1 * H255 + 1 * H5 + 1 * H8 + 1 * H11 - 2 * H53 - 1 * H67 + 1 * H79 + 1 * H109 - 1 * J511 - 1 * J5 - 1 * J8 - 1 * J11 + 1 * J27 - 1 * J33 + 1 * J35 + 2 * J54 + 1 * J67 + 2 * J72 + 2 * J74 + 1 * J78 - 1 * J79 + 1 * J92 + 1 * J95 + 1 * J100 - 1 * J109 - 1 * J120 + 2 * J121 + 1 * J161 - 2 * J181 - 1 * J195 + 1 * J197 + 1 * J212 + 1 * J219$$

$$K500 * K1012 = 2 * F54 + 1 * F4 - 2 * G118 + 1 * G121 - 1 * G4 + 1 * G34 - 1 * H249 + 1 * H0 + 1 * H6 + 1 * H9 + 1 * H12 - 2 * H54 - 1 * H68 + 1 * H80 + 1 * H110 - 1 * J0 - 1 * J6 - 1 * J9 - 1 * J12 + 1 * J28 - 1 * J34 + 1 * J36 + 2 * J55 + 1 * J68 + 2 * J73 + 2 * J75 + 1 * J79 - 1 * J80 + 1 * J93 + 1 * J96 + 1 * J101 - 1 * J110 - 1 * J121 + 2 * J122 + 1 * J162 - 2 * J182 - 1 * J196 + 1 * J198 + 1 * J213 + 1 * J220$$

$$~~K501~~ * K1013 = 2 * F55 + 1 * F5 - 2 * G119 + 1 * G122 - 1 * G5 + 1 * G35 - 1 * H250 + 1 * H1 + 1 * H7 + 1 * H10 + 1 * H13 - 2 * H55 - 1 * H69 + 1 * H81 + 1 * H111 - 1 * J1 - 1 * J7 - 1 * J10 - 1 * J13 + 1 * J29 - 1 * J35 + 1 * J37 + 2 * J56 + 1 * J69 + 2 * J74 + 2 * J76 + 1 * J80 - 1 * J81 + 1 * J94 + 1 * J97 + 1 * J102 - 1 * J111 - 1 * J122 + 2 * J123 + 1 * J163 - 2 * J183 - 1 * J197 + 1 * J199 + 1 * J214 + 1 * J221$$

$$~~K502~~ * K1014 = 2 * F56 + 1 * F6 - 2 * G120 + 1 * G123 - 1 * G6 + 1 * G36 - 1 * H251 + 1 * H2 + 1 * H8 + 1 * H11 + 1 * H14 - 2 * H56 - 1 * H70 + 1 * H82 + 1 * H112 - 1 * J2 - 1 * J8 - 1 * J11 - 1 * J14 + 1 * J30 - 1 * J36 + 1 * J38 + 2 * J57 + 1 * J70 + 2 * J75 + 2 * J77 + 1 * J81 - 1 * J82 + 1 * J95 + 1 * J98 + 1 * J103 - 1 * J112 - 1 * J123 + 2 * J124 + 1 * J164 - 2 * J184 - 1 * J198 + 1 * J200 + 1 * J215 + 1 * J222$$

$$K503 * K1015 = 2 * F57 + 1 * F7 - 2 * G121 + 1 * G124 - 1 * G7 + 1 * G37 - 1 * H252 + 1 * H3 + 1 * H9 + 1 * H12 + 1 * H15 - 2 * H57 - 1 * H71 + 1 * H83 + 1 * H113 - 1 * J3 - 1 * J9 - 1 * J12 - 1 * J15 + 1 * J31 - 1 * J37 + 1 * J39 + 2 * J58 + 1 * J71 + 2 * J76 + 2 * J78 + 1 * J82 - 1 * J83 + 1 * J96 + 1 * J99 + 1 * J104 - 1 * J113 - 1 * J124 + 2 * J125 + 1 * J165 - 2 * J185 - 1 * J199 + 1 * J201 + 1 * J216 + 1 * J223$$

$$K504 * K1016 = 2 * F58 + 1 * F8 - 2 * G122 + 1 * G125 - 1 * G8 + 1 * G38 - 1 * H253 + 1 * H4 + 1 * H10 + 1 * H13 + 1 * H16 - 2 * H58 - 1 * H72 + 1 * H84 + 1 * H114 - 1 * J4 - 1 * J10 - 1 * J13 - 1 * J16 + 1 * J32 - 1 * J38 + 1 * J40 + 2 * J59 + 1 * J72 + 2 * J77 + 2 * J79 + 1 * J83 - 1 * J84 + 1 * J97 + 1 * J100 + 1 * J105 - 1 * J114 - 1 * J125 + 2 * J126 + 1 * J166 - 2 * J186 - 1 * J200 + 1 * J202 + 1 * J217 + 1 * J224$$

$$K505 * K1017 = 2 * F59 + 1 * F9 - 2 * G123 + 1 * G126 - 1 * G9 + 1 * G39 - 1 * H254 + 1 * H5 + 1 * H11 + 1 * H14 + 1 * H17 - 2 * H59 - 1 * H73 + 1 * H85 + 1 * H115 - 1 * J5 - 1 * J11 - 1 * J14 - 1 * J17 + 1 * J33 - 1 * J39 + 1 * J41 + 2 * J60 + 1 * J73 + 2 * J78 + 2 * J80 + 1 * J84 - 1 * J85 + 1 * J98 + 1 * J101 + 1 * J106 - 1 * J115 - 1 * J126 + 2 * J127 + 1 * J167 - 2 * J187 - 1 * J201 + 1 * J203 + 1 * J218 + 1 * J225$$

$$K506 * K1018 = 2 * F60 + 1 * F10 - 2 * G124 + 1 * G127 - 1 * G10 + 1 * G40 - 1 * H255 + 1 * H6 + 1 * H12 + 1 * H15 + 1 * H18 - 2 * H60 - 1 * H74 + 1 * H86 + 1 * H116 - 1 * J6 - 1 * J12 - 1 * J15 - 1 * J18 + 1 * J34 - 1 * J40 + 1 * J42 + 2 * J61 + 1 * J74 + 2 * J79 + 2 * J81 + 1 * J85 - 1 * J86 + 1 * J99 + 1 * J102 + 1 * J107 - 1 * J116 - 1 * J127 + 2 * J128 + 1 * J168 - 2 * J188 - 1 * J202 + 1 * J204 + 1 * J219 + 1 * J226$$

$$K507 * K1019 = 2 * F61 + 1 * F11 - 2 * G125 + 1 * G0 - 1 * G11 + 1 * G41 - 1 * H0 + 1 * H7 + 1 * H13 + 1 * H16 + 1 * H19 - 2 * H61 - 1 * H75 + 1 * H87 + 1 * H117 - 1 * J7 - 1 * J13 - 1 * J16 - 1 * J19 + 1 * J35 - 1 * J41 + 1 * J43 + 2 * J62 + 1 * J75 + 2 * J80 + 2 * J82 + 1 * J86 - 1 * J87 + 1 * J100 + 1 * J103 + 1 * J108 - 1 * J117 - 1 * J128 + 2 * J129 + 1 * J169 - 2 * J189 - 1 * J203 + 1 * J205 + 1 * J220 + 1 * J227$$

$$K508 * K1020 = 2 * F62 + 1 * F12 - 2 * G126 + 1 * G1 - 1 * G12 + 1 * G42 - 1 * H1 + 1 * H8 + 1 * H14 + 1 * H17 + 1 * H20 - 2 * H62 - 1 * H76 + 1 * H88 + 1 * H118 - 1 * J8 - 1 * J14 - 1 * J17 - 1 * J20 + 1 * J36 - 1 * J42 + 1 * J44 + 2 * J63 + 1 * J76 + 2 * J81 + 2 * J83 + 1 * J87 - 1 * J88 + 1 * J101 + 1 * J104 + 1 * J109 - 1 * J118 - 1 * J129 + 2 * J130 + 1 * J170 - 2 * J190 - 1 * J204 + 1 * J206 + 1 * J221 + 1 * J228$$

$$K509 * K1021 = 2 * F63 + 1 * F13 - 2 * G127 + 1 * G2 - 1 * G13 + 1 * G43 - 1 * H2 + 1 * H9 + 1 * H15 + 1 * H18 + 1 * H21 - 2 * H63 - 1 * H77 + 1 * H89 + 1 * H119 - 1 * J9 - 1 * J15 - 1 * J18 - 1 * J21 + 1 * J37 - 1 * J43 + 1 * J45 + 2 * J64 + 1 * J77 + 2 * J82 + 2 * J84 + 1 * J88 - 1 * J89 + 1 * J102 + 1 * J105 + 1 * J110 - 1 * J119 - 1 * J130 + 2 * J131 + 1 * J171 - 2 * J191 - 1 * J205 + 1 * J207 + 1 * J222 + 1 * J229$$

$$K510 * K1022 = 2 * F0 + 1 * F14 - 2 * G0 + 1 * G3 - 1 * G14 + 1 * G44 - 1 * H3 + 1 * H10 + 1 * H16 + 1 * H19 + 1 * H22 - 2 * H64 - 1 * H78 + 1 * H90 + 1 * H120 - 1 * J10 - 1 * J16 - 1 * J19 - 1 * J22 + 1 * J38 - 1 * J44 + 1 * J46 + 2 * J65 + 1 * J78 + 2 * J83 + 2 * J85 + 1 * J89 - 1 * J90 + 1 * J103 + 1 * J106 + 1 * J111 - 1 * J120 - 1 * J131 + 2 * J132 + 1 * J172 - 2 * J192 - 1 * J206 + 1 * J208 + 1 * J223 + 1 * J230$$

$$K511 * K1023 = 2 * F1 + 1 * F15 - 2 * G1 + 1 * G4 - 1 * G15 + 1 * G45 - 1 * H4 + 1 * H11 + 1 * H17 + 1 * H20 + 1 * H23 - 2 * H65 - 1 * H79 + 1 * H91 + 1 * H121 - 1 * J11 - 1 * J17 - 1 * J20 - 1 * J23 + 1 * J39 - 1 * J45 + 1 * J47 + 2 * J66 + 1 * J79 + 2 * J84 + 2 * J86 + 1 * J90 - 1 * J91 + 1 * J104 + 1 * J107 + 1 * J112 - 1 * J121 - 1 * J132 + 2 * J133 + 1 * J173 - 2 * J193 - 1 * J207 + 1 * J209 + 1 * J224 + 1 * J231$$

L mod 2048

1024 Gleichungen, davon 110 genutzt

$$L0 * L1024 = 1 * G49 + 2 * H9 - 1 * H49 + 1 * H72 - 2 * J9 + 1 * J18 - 1 * J72 + 1 * J154 - 1 * J177 + 1 * J206 + 1 * J221 + 2 * K0 - 1 * K18 + 1 * K23 + 1 * K154 + 1 * K184 - 1 * K206 - 1 * K221 - 2 * K265 + 1 * K308 - 1 * K328 + 1 * K359 - 1 * K433$$

$$L1 * L1025 = 1 * G50 + 2 * H10 - 1 * H50 + 1 * H73 - 2 * J10 + 1 * J19 - 1 * J73 + 1 * J155 - 1 * J178 + 1 * J207 + 1 * J222 + 2 * K1 - 1 * K19 + 1 * K24 + 1 * K155 + 1 * K185 - 1 * K207 - 1 * K222 - 2 * K266 + 1 * K309 - 1 * K329 + 1 * K360 - 1 * K434$$

$$L2 * L1026 = 1 * G51 + 2 * H11 - 1 * H51 + 1 * H74 - 2 * J11 + 1 * J20 - 1 * J74 + 1 * J156 - 1 * J179 + 1 * J208 + 1 * J223 + 2 * K2 - 1 * K20 + 1 * K25 + 1 * K156 + 1 * K186 - 1 * K208 - 1 * K223 - 2 * K267 + 1 * K310 - 1 * K330 + 1 * K361 - 1 * K435$$

$$L3 * L1027 = 1 * G52 + 2 * H12 - 1 * H52 + 1 * H75 - 2 * J12 + 1 * J21 - 1 * J75 + 1 * J157 - 1 * J180 + 1 * J209 + 1 * J224 + 2 * K3 - 1 * K21 + 1 * K26 + 1 * K157 + 1 * K187 - 1 * K209 - 1 * K224 - 2 * K268 + 1 * K311 - 1 * K331 + 1 * K362 - 1 * K436$$

$$L5 * L1029 = 1 * G54 + 2 * H14 - 1 * H54 + 1 * H77 - 2 * J14 + 1 * J23 - 1 * J77 + 1 * J159 - 1 * J182 + 1 * J211 + 1 * J226 + 2 * K5 - 1 * K23 + 1 * K28 + 1 * K159 + 1 * K189 - 1 * K211 - 1 * K226 - 2 * K270 + 1 * K313 - 1 * K333 + 1 * K364 - 1 * K438$$

$$L17 * L1041 = 1 * G66 + 2 * H26 - 1 * H66 + 1 * H89 - 2 * J26 + 1 * J35 - 1 * J89 + 1 * J171 - 1 * J194 + 1 * J223 + 1 * J238 + 2 * K17 - 1 * K35 + 1 * K40 + 1 * K171 + 1 * K201 - 1 * K223 - 1 * K238 - 2 * K282 + 1 * K325 - 1 * K345 + 1 * K376 - 1 * K450$$

$$L18 * L1042 = 1*G67 + 2*H27 - 1*H67 + 1*H90 - 2*J27 + 1*J36 - 1*J90 + 1*J172 - 1*J195 + 1*J224 + 1*J239 + 2*K18 - 1*K36 + 1*K41 + 1*K172 + 1*K202 - 1*K224 - 1*K239 - 2*K283 + 1*K326 - 1*K346 + 1*K377 - 1*K451$$

$$L54 * L1078 = 1*G103 + 2*H63 - 1*H103 + 1*H126 - 2*J63 + 1*J72 - 1*J126 + 1*J208 - 1*J231 + 1*J260 + 1*J275 + 2*K54 - 1*K72 + 1*K77 + 1*K208 + 1*K238 - 1*K260 - 1*K275 - 2*K319 + 1*K362 - 1*K382 + 1*K413 - 1*K487$$

$$L61 * L1085 = 1*G110 + 2*H70 - 1*H110 + 1*H133 - 2*J70 + 1*J79 - 1*J133 + 1*J215 - 1*J238 + 1*J267 + 1*J282 + 2*K61 - 1*K79 + 1*K84 + 1*K215 + 1*K245 - 1*K267 - 1*K282 - 2*K326 + 1*K369 - 1*K389 + 1*K420 - 1*K494$$

$$L62 * L1086 = 1*G111 + 2*H71 - 1*H111 + 1*H134 - 2*J71 + 1*J80 - 1*J134 + 1*J216 - 1*J239 + 1*J268 + 1*J283 + 2*K62 - 1*K80 + 1*K85 + 1*K216 + 1*K246 - 1*K268 - 1*K283 - 2*K327 + 1*K370 - 1*K390 + 1*K421 - 1*K495$$

$$L63 * L1087 = 1*G112 + 2*H72 - 1*H112 + 1*H135 - 2*J72 + 1*J81 - 1*J135 + 1*J217 - 1*J240 + 1*J269 + 1*J284 + 2*K63 - 1*K81 + 1*K86 + 1*K217 + 1*K247 - 1*K269 - 1*K284 - 2*K328 + 1*K371 - 1*K391 + 1*K422 - 1*K496$$

$$L74 * L1098 = 1*G123 + 2*H83 - 1*H123 + 1*H146 - 2*J83 + 1*J92 - 1*J146 + 1*J228 - 1*J251 + 1*J280 + 1*J295 + 2*K74 - 1*K92 + 1*K97 + 1*K228 + 1*K258 - 1*K280 - 1*K295 - 2*K339 + 1*K382 - 1*K402 + 1*K433 - 1*K507$$

$$L75 * L1099 = 1*G124 + 2*H84 - 1*H124 + 1*H147 - 2*J84 + 1*J93 - 1*J147 + 1*J229 - 1*J252 + 1*J281 + 1*J296 + 2*K75 - 1*K93 + 1*K98 + 1*K229 + 1*K259 - 1*K281 - 1*K296 - 2*K340 + 1*K383 - 1*K403 + 1*K434 - 1*K508$$

$$L76 * L1100 = 1*G125 + 2*H85 - 1*H125 + 1*H148 - 2*J85 + 1*J94 - 1*J148 + 1*J230 - 1*J253 + 1*J282 + 1*J297 + 2*K76 - 1*K94 + 1*K99 + 1*K230 + 1*K260 - 1*K282 - 1*K297 - 2*K341 + 1*K384 - 1*K404 + 1*K435 - 1*K509$$

$$L86 * L1110 = 1*G7 + 2*H95 - 1*H135 + 1*H158 - 2*J95 + 1*J104 - 1*J158 + 1*J240 - 1*J263 + 1*J292 + 1*J307 + 2*K86 - 1*K104 + 1*K109 + 1*K240 + 1*K270 - 1*K292 - 1*K307 - 2*K351 + 1*K394 - 1*K414 + 1*K445 - 1*K519$$

$$L90 * L1114 = 1*G11 + 2*H99 - 1*H139 + 1*H162 - 2*J99 + 1*J108 - 1*J162 + 1*J244 - 1*J267 + 1*J296 + 1*J311 + 2*K90 - 1*K108 + 1*K113 + 1*K244 + 1*K274 - 1*K296 - 1*K311 - 2*K355 + 1*K398 - 1*K418 + 1*K449 - 1*K523$$

$$L92 * L1116 = 1*G13 + 2*H101 - 1*H141 + 1*H164 - 2*J101 + 1*J110 - 1*J164 + 1*J246 - 1*J269 + 1*J298 + 1*J313 + 2*K92 - 1*K110 + 1*K115 + 1*K246 + 1*K276 - 1*K298 - 1*K313 - 2*K357 + 1*K400 - 1*K420 + 1*K451 - 1*K525$$

$$L93 * L1117 = 1*G14 + 2*H102 - 1*H142 + 1*H165 - 2*J102 + 1*J111 - 1*J165 + 1*J247 - 1*J270 + 1*J299 + 1*J314 + 2*K93 - 1*K111 + 1*K116 + 1*K247 + 1*K277 - 1*K299 - 1*K314 - 2*K358 + 1*K401 - 1*K421 + 1*K452 - 1*K526$$

$$L94 * L1118 = 1*G15 + 2*H103 - 1*H143 + 1*H166 - 2*J103 + 1*J112 - 1*J166 + 1*J248 - 1*J271 + 1*J300 + 1*J315 + 2*K94 - 1*K112 + 1*K117 + 1*K248 + 1*K278 - 1*K300 - 1*K315 - 2*K359 + 1*K402 - 1*K422 + 1*K453 - 1*K527$$

$$L95 * L1119 = 1*G16 + 2*H104 - 1*H144 + 1*H167 - 2*J104 + 1*J113 - 1*J167 + 1*J249 - 1*J272 + 1*J301 + 1*J316 + 2*K95 - 1*K113 + 1*K118 + 1*K249 + 1*K279 - 1*K301 - 1*K316 - 2*K360 + 1*K403 - 1*K423 + 1*K454 - 1*K528$$

$$L97 * L1121 = 1*G18 + 2*H106 - 1*H146 + 1*H169 - 2*J106 + 1*J115 - 1*J169 + 1*J251 - 1*J274 + 1*J303 + 1*J318 + 2*K97 - 1*K115 + 1*K120 + 1*K251 + 1*K281 - 1*K303 - 1*K318 - 2*K362 + 1*K405 - 1*K425 + 1*K456 - 1*K530$$

$$\begin{aligned} L109 * L1133 = & 1*G30 + 2*H118 - 1*H158 + 1*H181 - 2*J118 + 1*J127 - \\ & 1*J181 + 1*J263 - 1*J286 + 1*J315 + 1*J330 + 2*K109 - 1*K127 + 1*K132 + \\ & 1*K263 + 1*K293 - 1*K315 - 1*K330 - 2*K374 + 1*K417 - 1*K437 + 1*K468 - \\ & 1*K542 \end{aligned}$$

$$\begin{aligned} L146 * L1170 = & 1*G67 + 2*H155 - 1*H195 + 1*H218 - 2*J155 + 1*J164 - \\ & 1*J218 + 1*J300 - 1*J323 + 1*J352 + 1*J367 + 2*K146 - 1*K164 + 1*K169 + \\ & 1*K300 + 1*K330 - 1*K352 - 1*K367 - 2*K411 + 1*K454 - 1*K474 + 1*K505 - \\ & 1*K579 \end{aligned}$$

$$\begin{aligned} L147 * L1171 = & 1*G68 + 2*H156 - 1*H196 + 1*H219 - 2*J156 + 1*J165 - \\ & 1*J219 + 1*J301 - 1*J324 + 1*J353 + 1*J368 + 2*K147 - 1*K165 + 1*K170 + \\ & 1*K301 + 1*K331 - 1*K353 - 1*K368 - 2*K412 + 1*K455 - 1*K475 + 1*K506 - \\ & 1*K580 \end{aligned}$$

$$\begin{aligned} L148 * L1172 = & 1*G69 + 2*H157 - 1*H197 + 1*H220 - 2*J157 + 1*J166 - \\ & 1*J220 + 1*J302 - 1*J325 + 1*J354 + 1*J369 + 2*K148 - 1*K166 + 1*K171 + \\ & 1*K302 + 1*K332 - 1*K354 - 1*K369 - 2*K413 + 1*K456 - 1*K476 + 1*K507 - \\ & 1*K581 \end{aligned}$$

$$\begin{aligned} L149 * L1173 = & 1*G70 + 2*H158 - 1*H198 + 1*H221 - 2*J158 + 1*J167 - \\ & 1*J221 + 1*J303 - 1*J326 + 1*J355 + 1*J370 + 2*K149 - 1*K167 + 1*K172 + \\ & 1*K303 + 1*K333 - 1*K355 - 1*K370 - 2*K414 + 1*K457 - 1*K477 + 1*K508 - \\ & 1*K582 \end{aligned}$$

$$\begin{aligned} L150 * L1174 = & 1*G71 + 2*H159 - 1*H199 + 1*H222 - 2*J159 + 1*J168 - \\ & 1*J222 + 1*J304 - 1*J327 + 1*J356 + 1*J371 + 2*K150 - 1*K168 + 1*K173 + \\ & 1*K304 + 1*K334 - 1*K356 - 1*K371 - 2*K415 + 1*K458 - 1*K478 + 1*K509 - \\ & 1*K583 \end{aligned}$$

$$\begin{aligned} L151 * L1175 = & 1*G72 + 2*H160 - 1*H200 + 1*H223 - 2*J160 + 1*J169 - \\ & 1*J223 + 1*J305 - 1*J328 + 1*J357 + 1*J372 + 2*K151 - 1*K169 + 1*K174 + \\ & 1*K305 + 1*K335 - 1*K357 - 1*K372 - 2*K416 + 1*K459 - 1*K479 + 1*K510 - \\ & 1*K584 \end{aligned}$$

$$\begin{aligned} L153 * L1177 = & 1*G74 + 2*H162 - 1*H202 + 1*H225 - 2*J162 + 1*J171 - \\ & 1*J225 + 1*J307 - 1*J330 + 1*J359 + 1*J374 + 2*K153 - 1*K171 + 1*K176 + \\ & 1*K307 + 1*K337 - 1*K359 - 1*K374 - 2*K418 + 1*K461 - 1*K481 + 1*K512 - \\ & 1*K586 \end{aligned}$$

$$\begin{aligned} L154 * L1178 = & 1*G75 + 2*H163 - 1*H203 + 1*H226 - 2*J163 + 1*J172 - \\ & 1*J226 + 1*J308 - 1*J331 + 1*J360 + 1*J375 + 2*K154 - 1*K172 + 1*K177 + \\ & 1*K308 + 1*K338 - 1*K360 - 1*K375 - 2*K419 + 1*K462 - 1*K482 + 1*K513 - \\ & 1*K587 \end{aligned}$$

$$\begin{aligned} L155 * L1179 = & 1*G76 + 2*H164 - 1*H204 + 1*H227 - 2*J164 + 1*J173 - \\ & 1*J227 + 1*J309 - 1*J332 + 1*J361 + 1*J376 + 2*K155 - 1*K173 + 1*K178 + \\ & 1*K309 + 1*K339 - 1*K361 - 1*K376 - 2*K420 + 1*K463 - 1*K483 + 1*K514 - \\ & 1*K588 \end{aligned}$$

$$\begin{aligned} L167 * L1191 = & 1*G88 + 2*H176 - 1*H216 + 1*H239 - 2*J176 + 1*J185 - \\ & 1*J239 + 1*J321 - 1*J344 + 1*J373 + 1*J388 + 2*K167 - 1*K185 + 1*K190 + \\ & 1*K321 + 1*K351 - 1*K373 - 1*K388 - 2*K432 + 1*K475 - 1*K495 + 1*K526 - \\ & 1*K600 \end{aligned}$$

$$\begin{aligned} L168 * L1192 = & 1*G89 + 2*H177 - 1*H217 + 1*H240 - 2*J177 + 1*J186 - \\ & 1*J240 + 1*J322 - 1*J345 + 1*J374 + 1*J389 + 2*K168 - 1*K186 + 1*K191 + \\ & 1*K322 + 1*K352 - 1*K374 - 1*K389 - 2*K433 + 1*K476 - 1*K496 + 1*K527 - \\ & 1*K601 \end{aligned}$$

$$L182 * L1206 = 1*G103 + 2*H191 - 1*H231 + 1*H254 - 2*J191 + 1*J200 - 1*J254 + 1*J336 - 1*J359 + 1*J388 + 1*J403 + 2*K182 - 1*K200 + 1*K205 + 1*K336 + 1*K366 - 1*K388 - 1*K403 - 2*K447 + 1*K490 - 1*K510 + 1*K541 - 1*K615$$

$$L224 * L1248 = 1*G17 + 2*H233 - 1*H17 + 1*H40 - 2*J233 + 1*J242 - 1*J296 + 1*J378 - 1*J401 + 1*J430 + 1*J445 + 2*K224 - 1*K242 + 1*K247 + 1*K378 + 1*K408 - 1*K430 - 1*K445 - 2*K489 + 1*K532 - 1*K552 + 1*K583 - 1*K657$$

$$L238 * L1262 = 1*G31 + 2*H247 - 1*H31 + 1*H54 - 2*J247 + 1*J256 - 1*J310 + 1*J392 - 1*J415 + 1*J444 + 1*J459 + 2*K238 - 1*K256 + 1*K261 + 1*K392 + 1*K422 - 1*K444 - 1*K459 - 2*K503 + 1*K546 - 1*K566 + 1*K597 - 1*K671$$

$$L239 * L1263 = 1*G32 + 2*H248 - 1*H32 + 1*H55 - 2*J248 + 1*J257 - 1*J311 + 1*J393 - 1*J416 + 1*J445 + 1*J460 + 2*K239 - 1*K257 + 1*K262 + 1*K393 + 1*K423 - 1*K445 - 1*K460 - 2*K504 + 1*K547 - 1*K567 + 1*K598 - 1*K672$$

$$L240 * L1264 = 1*G33 + 2*H249 - 1*H33 + 1*H56 - 2*J249 + 1*J258 - 1*J312 + 1*J394 - 1*J417 + 1*J446 + 1*J461 + 2*K240 - 1*K258 + 1*K263 + 1*K394 + 1*K424 - 1*K446 - 1*K461 - 2*K505 + 1*K548 - 1*K568 + 1*K599 - 1*K673$$

$$L241 * L1265 = 1*G34 + 2*H250 - 1*H34 + 1*H57 - 2*J250 + 1*J259 - 1*J313 + 1*J395 - 1*J418 + 1*J447 + 1*J462 + 2*K241 - 1*K259 + 1*K264 + 1*K395 + 1*K425 - 1*K447 - 1*K462 - 2*K506 + 1*K549 - 1*K569 + 1*K600 - 1*K674$$

$$L242 * L1266 = 1*G35 + 2*H251 - 1*H35 + 1*H58 - 2*J251 + 1*J260 - 1*J314 + 1*J396 - 1*J419 + 1*J448 + 1*J463 + 2*K242 - 1*K260 + 1*K265 + 1*K396 + 1*K426 - 1*K448 - 1*K463 - 2*K507 + 1*K550 - 1*K570 + 1*K601 - 1*K675$$

$$L243 * L1267 = 1*G36 + 2*H252 - 1*H36 + 1*H59 - 2*J252 + 1*J261 - 1*J315 + 1*J397 - 1*J420 + 1*J449 + 1*J464 + 2*K243 - 1*K261 + 1*K266 + 1*K397 + 1*K427 - 1*K449 - 1*K464 - 2*K508 + 1*K551 - 1*K571 + 1*K602 - 1*K676$$

$$L246 * L1270 = 1*G39 + 2*H255 - 1*H39 + 1*H62 - 2*J255 + 1*J264 - 1*J318 + 1*J400 - 1*J423 + 1*J452 + 1*J467 + 2*K246 - 1*K264 + 1*K269 + 1*K400 + 1*K430 - 1*K452 - 1*K467 - 2*K511 + 1*K554 - 1*K574 + 1*K605 - 1*K679$$

$$L247 * L1271 = 1*G40 + 2*H0 - 1*H40 + 1*H63 - 2*J256 + 1*J265 - 1*J319 + 1*J401 - 1*J424 + 1*J453 + 1*J468 + 2*K247 - 1*K265 + 1*K270 + 1*K401 + 1*K431 - 1*K453 - 1*K468 - 2*K512 + 1*K555 - 1*K575 + 1*K606 - 1*K680$$

$$L303 * L1327 = 1*G96 + 2*H56 - 1*H96 + 1*H119 - 2*J312 + 1*J321 - 1*J375 + 1*J457 - 1*J480 + 1*J509 + 1*J12 + 2*K303 - 1*K321 + 1*K326 + 1*K457 + 1*K487 - 1*K509 - 1*K524 - 2*K568 + 1*K611 - 1*K631 + 1*K662 - 1*K736$$

$$L316 * L1340 = 1*G109 + 2*H69 - 1*H109 + 1*H132 - 2*J325 + 1*J334 - 1*J388 + 1*J470 - 1*J493 + 1*J10 + 1*J25 + 2*K316 - 1*K334 + 1*K339 + 1*K470 + 1*K500 - 1*K522 - 1*K537 - 2*K581 + 1*K624 - 1*K644 + 1*K675 - 1*K749$$

$$L331 * L1355 = 1*G124 + 2*H84 - 1*H124 + 1*H147 - 2*J340 + 1*J349 - 1*J403 + 1*J485 - 1*J508 + 1*J25 + 1*J40 + 2*K331 - 1*K349 + 1*K354 + 1*K485 + 1*K515 - 1*K537 - 1*K552 - 2*K596 + 1*K639 - 1*K659 + 1*K690 - 1*K764$$

$$L332 * L1356 = 1*G125 + 2*H85 - 1*H125 + 1*H148 - 2*J341 + 1*J350 - 1*J404 + 1*J486 - 1*J509 + 1*J26 + 1*J41 + 2*K332 - 1*K350 + 1*K355 + 1*K486 + 1*K516 - 1*K538 - 1*K553 - 2*K597 + 1*K640 - 1*K660 + 1*K691 - 1*K765$$

$$L333 * L1357 = 1*G126 + 2*H86 - 1*H126 + 1*H149 - 2*J342 + 1*J351 - 1*J405 + 1*J487 - 1*J510 + 1*J27 + 1*J42 + 2*K333 - 1*K351 + 1*K356 + 1*K487 + 1*K517 - 1*K539 - 1*K554 - 2*K598 + 1*K641 - 1*K661 + 1*K692 - 1*K766$$

$$L334 * L1358 = 1*G127 + 2*H87 - 1*H127 + 1*H150 - 2*J343 + 1*J352 - 1*J406 + 1*J488 - 1*J511 + 1*J28 + 1*J43 + 2*K334 - 1*K352 + 1*K357 + 1*K488 + 1*K518 - 1*K540 - 1*K555 - 2*K599 + 1*K642 - 1*K662 + 1*K693 - 1*K767$$

$$L335 * L1359 = 1*G0 + 2*H88 - 1*H128 + 1*H151 - 2*J344 + 1*J353 - 1*J407 + 1*J489 - 1*J0 + 1*J29 + 1*J44 + 2*K335 - 1*K353 + 1*K358 + 1*K489 + 1*K519 - 1*K541 - 1*K556 - 2*K600 + 1*K643 - 1*K663 + 1*K694 - 1*K768$$

$$L388 * L1412 = 1*G53 + 2*H141 - 1*H181 + 1*H204 - 2*J397 + 1*J406 - 1*J460 + 1*J30 - 1*J53 + 1*J82 + 1*J97 + 2*K388 - 1*K406 + 1*K411 + 1*K542 + 1*K572 - 1*K594 - 1*K609 - 2*K653 + 1*K696 - 1*K716 + 1*K747 - 1*K821$$

$$L395 * L1419 = 1*G60 + 2*H148 - 1*H188 + 1*H211 - 2*J404 + 1*J413 - 1*J467 + 1*J37 - 1*J60 + 1*J89 + 1*J104 + 2*K395 - 1*K413 + 1*K418 + 1*K549 + 1*K579 - 1*K601 - 1*K616 - 2*K660 + 1*K703 - 1*K723 + 1*K754 - 1*K828$$

$$L408 * L1432 = 1*G73 + 2*H161 - 1*H201 + 1*H224 - 2*J417 + 1*J426 - 1*J480 + 1*J50 - 1*J73 + 1*J102 + 1*J117 + 2*K408 - 1*K426 + 1*K431 + 1*K562 + 1*K592 - 1*K614 - 1*K629 - 2*K673 + 1*K716 - 1*K736 + 1*K767 - 1*K841$$

$$L480 * L1504 = 1*G17 + 2*H233 - 1*H17 + 1*H40 - 2*J489 + 1*J498 - 1*J40 + 1*J122 - 1*J145 + 1*J174 + 1*J189 + 2*K480 - 1*K498 + 1*K503 + 1*K634 + 1*K664 - 1*K686 - 1*K701 - 2*K745 + 1*K788 - 1*K808 + 1*K839 - 1*K913$$

$$L487 * L1511 = 1*G24 + 2*H240 - 1*H24 + 1*H47 - 2*J496 + 1*J505 - 1*J47 + 1*J129 - 1*J152 + 1*J181 + 1*J196 + 2*K487 - 1*K505 + 1*K510 + 1*K641 + 1*K671 - 1*K693 - 1*K708 - 2*K752 + 1*K795 - 1*K815 + 1*K846 - 1*K922$$

$$L536 * L1560 = 1*G73 + 2*H33 - 1*H73 + 1*H96 - 2*J33 + 1*J42 - 1*J96 + 1*J178 - 1*J201 + 1*J230 + 1*J245 + 2*K536 - 1*K554 + 1*K559 + 1*K690 + 1*K720 - 1*K742 - 1*K757 - 2*K801 + 1*K844 - 1*K864 + 1*K895 - 1*K969$$

$$L559 * L1583 = 1*G96 + 2*H56 - 1*H96 + 1*H119 - 2*J56 + 1*J65 - 1*J119 + 1*J201 - 1*J224 + 1*J253 + 1*J268 + 2*K559 - 1*K577 + 1*K582 + 1*K713 + 1*K743 - 1*K765 - 1*K780 - 2*K824 + 1*K867 - 1*K887 + 1*K918 - 1*K992$$

$$L572 * L1596 = 1*G109 + 2*H69 - 1*H109 + 1*H132 - 2*J69 + 1*J78 - 1*J132 + 1*J214 - 1*J237 + 1*J266 + 1*J281 + 2*K572 - 1*K590 + 1*K595 + 1*K726 + 1*K756 - 1*K778 - 1*K793 - 2*K837 + 1*K880 - 1*K900 + 1*K931 - 1*K1005$$

$$L592 * L1616 = 1*G1 + 2*H89 - 1*H129 + 1*H152 - 2*J89 + 1*J98 - 1*J152 + 1*J234 - 1*J257 + 1*J286 + 1*J301 + 2*K592 - 1*K610 + 1*K615 + 1*K746 + 1*K776 - 1*K798 - 1*K813 - 2*K857 + 1*K900 - 1*K922 + 1*K951 - 1*K1$$

$$L615 * L1639 = 1*G24 + 2*H112 - 1*H152 + 1*H175 - 2*J112 + 1*J121 - 1*J175 + 1*J257 - 1*J280 + 1*J309 + 1*J324 + 2*K615 - 1*K633 + 1*K638 + 1*K769 + 1*K799 - 1*K821 - 1*K836 - 2*K880 + 1*K923 - 1*K943 + 1*K974 - 1*K24$$

$$L628 * L1652 = 1*G37 + 2*H125 - 1*H165 + 1*H188 - 2*J125 + 1*J134 - 1*J188 + 1*J270 - 1*J293 + 1*J322 + 1*J337 + 2*K628 - 1*K646 + 1*K651 +$$

$$1*K782 + 1*K812 - 1*K834 - 1*K849 - 2*K893 + 1*K936 - 1*K956 + 1*K987 - 1*K37$$

$$L651 * L1675 = 1*G60 + 2*H148 - 1*H188 + 1*H211 - 2*J148 + 1*J157 - 1*J211 + 1*J293 - 1*J316 + 1*J345 + 1*J360 + 2*K651 - 1*K669 + 1*K674 + 1*K805 + 1*K835 - 1*K857 - 1*K872 - 2*K916 + 1*K959 - 1*K979 + 1*K1010 - 1*K60$$

$$L684 * L1708 = 1*G93 + 2*H181 - 1*H221 + 1*H244 - 2*J181 + 1*J190 - 1*J244 + 1*J326 - 1*J349 + 1*J378 + 1*J393 + 2*K684 - 1*K702 + 1*K707 + 1*K838 + 1*K868 - 1*K890 - 1*K905 - 2*K949 + 1*K992 - 1*K1012 + 1*K19 - 1*K93$$

$$L685 * L1709 = 1*G94 + 2*H182 - 1*H222 + 1*H245 - 2*J182 + 1*J191 - 1*J245 + 1*J327 - 1*J350 + 1*J379 + 1*J394 + 2*K685 - 1*K703 + 1*K708 + 1*K839 + 1*K869 - 1*K891 - 1*K906 - 2*K950 + 1*K993 - 1*K1013 + 1*K20 - 1*K94$$

$$L686 * L1710 = 1*G95 + 2*H183 - 1*H223 + 1*H246 - 2*J183 + 1*J192 - 1*J246 + 1*J328 - 1*J351 + 1*J380 + 1*J395 + 2*K686 - 1*K704 + 1*K709 + 1*K840 + 1*K870 - 1*K892 - 1*K907 - 2*K951 + 1*K994 - 1*K1014 + 1*K21 - 1*K95$$

$$L707 * L1731 = 1*G116 + 2*H204 - 1*H244 + 1*H11 - 2*J204 + 1*J213 - 1*J267 + 1*J349 - 1*J372 + 1*J401 + 1*J416 + 2*K707 - 1*K725 + 1*K730 + 1*K861 + 1*K891 - 1*K913 - 1*K928 - 2*K972 + 1*K1015 - 1*K11 + 1*K42 - 1*K116$$

$$L708 * L1732 = 1*G117 + 2*H205 - 1*H245 + 1*H12 - 2*J205 + 1*J214 - 1*J268 + 1*J350 - 1*J373 + 1*J402 + 1*J417 + 2*K708 - 1*K726 + 1*K731 + 1*K862 + 1*K892 - 1*K914 - 1*K929 - 2*K973 + 1*K1016 - 1*K12 + 1*K43 - 1*K117$$

$$L709 * L1733 = 1*G118 + 2*H206 - 1*H246 + 1*H13 - 2*J206 + 1*J215 - 1*J269 + 1*J351 - 1*J374 + 1*J403 + 1*J418 + 2*K709 - 1*K727 + 1*K732 + 1*K863 + 1*K893 - 1*K915 - 1*K930 - 2*K974 + 1*K1017 - 1*K13 + 1*K44 - 1*K118$$

$$L720 * L1744 = 1*G1 + 2*H217 - 1*H1 + 1*H24 - 2*J217 + 1*J226 - 1*J280 + 1*J362 - 1*J385 + 1*J414 + 1*J429 + 2*K720 - 1*K738 + 1*K743 + 1*K874 + 1*K904 - 1*K926 - 1*K941 - 2*K985 + 1*K4 - 1*K24 + 1*K55 - 1*K129$$

$$L743 * L1767 = 1*G24 + 2*H240 - 1*H24 + 1*H47 - 2*J240 + 1*J249 - 1*J303 + 1*J385 - 1*J408 + 1*J437 + 1*J452 + 2*K743 - 1*K761 + 1*K766 + 1*K897 + 1*K927 - 1*K949 - 1*K964 - 2*K1008 + 1*K27 - 1*K47 + 1*K78 - 1*K152$$

$$L776 * L1800 = 1*G57 + 2*H17 - 1*H57 + 1*H80 - 2*J273 + 1*J282 - 1*J336 + 1*J418 - 1*J441 + 1*J470 + 1*J485 + 2*K776 - 1*K794 + 1*K799 + 1*K930 + 1*K960 - 1*K982 - 1*K997 - 2*K17 + 1*K60 - 1*K80 + 1*K111 - 1*K185$$

$$L777 * L1801 = 1*G58 + 2*H18 - 1*H58 + 1*H81 - 2*J274 + 1*J283 - 1*J337 + 1*J419 - 1*J442 + 1*J471 + 1*J486 + 2*K777 - 1*K795 + 1*K800 + 1*K931 + 1*K961 - 1*K983 - 1*K998 - 2*K18 + 1*K61 - 1*K81 + 1*K112 - 1*K186$$

$$L778 * L1802 = 1*G59 + 2*H19 - 1*H59 + 1*H82 - 2*J275 + 1*J284 - 1*J338 + 1*J420 - 1*J443 + 1*J472 + 1*J487 + 2*K778 - 1*K796 + 1*K801 + 1*K932 + 1*K962 - 1*K984 - 1*K999 - 2*K19 + 1*K62 - 1*K82 + 1*K113 - 1*K187$$

$$L783 * L1807 = 1*G64 + 2*H24 - 1*H64 + 1*H87 - 2*J280 + 1*J289 - 1*J343 + 1*J425 - 1*J448 + 1*J477 + 1*J492 + 2*K783 - 1*K801 + 1*K806 + 1*K937 + 1*K967 - 1*K989 - 1*K1004 - 2*K24 + 1*K67 - 1*K87 + 1*K118 - 1*K192$$

$$L784 * L1808 = 1*G65 + 2*H25 - 1*H65 + 1*H88 - 2*J281 + 1*J290 - 1*J344 + 1*J426 - 1*J449 + 1*J478 + 1*J493 + 2*K784 - 1*K802 + 1*K807 + 1*K938 + 1*K968 - 1*K990 - 1*K1005 - 2*K25 + 1*K68 - 1*K88 + 1*K119 - 1*K193$$

$$L785 * L1809 = 1*G66 + 2*H26 - 1*H66 + 1*H89 - 2*J282 + 1*J291 - 1*J345 + 1*J427 - 1*J450 + 1*J479 + 1*J494 + 2*K785 - 1*K803 + 1*K808 + 1*K939 + 1*K969 - 1*K991 - 1*K1006 - 2*K26 + 1*K69 - 1*K89 + 1*K120 - 1*K194$$

$$L799 * L1823 = 1*G80 + 2*H40 - 1*H80 + 1*H103 - 2*J296 + 1*J305 - 1*J359 + 1*J441 - 1*J464 + 1*J493 + 1*J508 + 2*K799 - 1*K817 + 1*K822 + 1*K953 + 1*K983 - 1*K1005 - 1*K1020 - 2*K40 + 1*K83 - 1*K103 + 1*K134 - 1*K208$$

$$L800 * L1824 = 1*G81 + 2*H41 - 1*H81 + 1*H104 - 2*J297 + 1*J306 - 1*J360 + 1*J442 - 1*J465 + 1*J494 + 1*J509 + 2*K800 - 1*K818 + 1*K823 + 1*K954 + 1*K984 - 1*K1006 - 1*K1021 - 2*K41 + 1*K84 - 1*K104 + 1*K135 - 1*K209$$

$$L801 * L1825 = 1*G82 + 2*H42 - 1*H82 + 1*H105 - 2*J298 + 1*J307 - 1*J361 + 1*J443 - 1*J466 + 1*J495 + 1*J510 + 2*K801 - 1*K819 + 1*K824 + 1*K955 + 1*K985 - 1*K1007 - 1*K1022 - 2*K42 + 1*K85 - 1*K105 + 1*K136 - 1*K210$$

$$L839 * L1863 = 1*G120 + 2*H80 - 1*H120 + 1*H143 - 2*J336 + 1*J345 - 1*J399 + 1*J481 - 1*J504 + 1*J21 + 1*J36 + 2*K839 - 1*K857 + 1*K862 + 1*K993 + 1*K1023 - 1*K21 - 1*K36 - 2*K80 + 1*K123 - 1*K143 + 1*K174 - 1*K248$$

$$L840 * L1864 = 1*G121 + 2*H81 - 1*H121 + 1*H144 - 2*J337 + 1*J346 - 1*J400 + 1*J482 - 1*J505 + 1*J22 + 1*J37 + 2*K840 - 1*K858 + 1*K863 + 1*K994 + 1*K0 - 1*K22 - 1*K37 - 2*K81 + 1*K124 - 1*K144 + 1*K175 - 1*K249$$

$$L841 * L1865 = 1*G122 + 2*H82 - 1*H122 + 1*H145 - 2*J338 + 1*J347 - 1*J401 + 1*J483 - 1*J506 + 1*J23 + 1*J38 + 2*K841 - 1*K859 + 1*K864 + 1*K995 + 1*K1 - 1*K23 - 1*K38 - 2*K82 + 1*K125 - 1*K145 + 1*K176 - 1*K250$$

$$L858 * L1882 = 1*G11 + 2*H99 - 1*H139 + 1*H162 - 2*J355 + 1*J364 - 1*J418 + 1*J500 - 1*J11 + 1*J40 + 1*J55 + 2*K858 - 1*K876 + 1*K881 + 1*K1012 + 1*K18 - 1*K40 - 1*K55 - 2*K99 + 1*K142 - 1*K162 + 1*K193 - 1*K267$$

$$L869 * L1893 = 1*G22 + 2*H110 - 1*H150 + 1*H173 - 2*J366 + 1*J375 - 1*J429 + 1*J511 - 1*J22 + 1*J51 + 1*J66 + 2*K869 - 1*K887 + 1*K892 + 1*K1023 + 1*K29 - 1*K51 - 1*K66 - 2*K110 + 1*K153 - 1*K173 + 1*K204 - 1*K278$$

$$L870 * L1894 = 1*G23 + 2*H111 - 1*H151 + 1*H174 - 2*J367 + 1*J376 - 1*J430 + 1*J0 - 1*J23 + 1*J52 + 1*J67 + 2*K870 - 1*K888 + 1*K893 + 1*K0 + 1*K30 - 1*K52 - 1*K67 - 2*K111 + 1*K154 - 1*K174 + 1*K205 - 1*K279$$

$$L875 * L1899 = 1*G28 + 2*H116 - 1*H156 + 1*H179 - 2*J372 + 1*J381 - 1*J435 + 1*J5 - 1*J28 + 1*J57 + 1*J72 + 2*K875 - 1*K893 + 1*K898 + 1*K5 + 1*K35 - 1*K57 - 1*K72 - 2*K116 + 1*K159 - 1*K179 + 1*K210 - 1*K284$$

$$L876 * L1900 = 1*G29 + 2*H117 - 1*H157 + 1*H180 - 2*J373 + 1*J382 - 1*J436 + 1*J6 - 1*J29 + 1*J58 + 1*J73 + 2*K876 - 1*K894 + 1*K899 + 1*K6 + 1*K36 - 1*K58 - 1*K73 - 2*K117 + 1*K160 - 1*K180 + 1*K211 - 1*K285$$

$$L877 * L1901 = 1*G30 + 2*H118 - 1*H158 + 1*H181 - 2*J374 + 1*J383 - 1*J437 + 1*J7 - 1*J30 + 1*J59 + 1*J74 + 2*K877 - 1*K895 + 1*K900 + 1*K7 + 1*K37 - 1*K59 - 1*K74 - 2*K118 + 1*K161 - 1*K181 + 1*K212 - 1*K286$$

$$L892 * L1916 = 1*G45 + 2*H133 - 1*H173 + 1*H196 - 2*J389 + 1*J398 - 1*J452 + 1*J22 - 1*J45 + 1*J74 + 1*J89 + 2*K892 - 1*K910 + 1*K915 + 1*K22 + 1*K52 - 1*K74 - 1*K89 - 2*K133 + 1*K176 - 1*K196 + 1*K227 - 1*K301$$

$$L893 * L1817 = 1*G46 + 2*H134 - 1*H174 + 1*H197 - 2*J390 + 1*J399 - 1*J453 + 1*J23 - 1*J46 + 1*J75 + 1*J90 + 2*K893 - 1*K911 + 1*K916 + 1*K23 + 1*K53 - 1*K75 - 1*K90 - 2*K134 + 1*K177 - 1*K197 + 1*K228 - 1*K302$$

$$L914 * L1938 = 1*G67 + 2*H155 - 1*H195 + 1*H218 - 2*J411 + 1*J420 - 1*J474 + 1*J44 - 1*J67 + 1*J96 + 1*J111 + 2*K914 - 1*K932 + 1*K937 + 1*K44 + 1*K74 - 1*K96 - 1*K111 - 2*K155 + 1*K198 - 1*K218 + 1*K249 - 1*K323$$

$$L926 * L1950 = 1*G79 + 2*H167 - 1*H207 + 1*H230 - 2*J423 + 1*J432 - 1*J486 + 1*J56 - 1*J79 + 1*J108 + 1*J123 + 2*K926 - 1*K944 + 1*K949 + 1*K56 + 1*K86 - 1*K108 - 1*K123 - 2*K167 + 1*K210 - 1*K230 + 1*K261 - 1*K335$$

$$L931 * L1955 = 1*G84 + 2*H172 - 1*H212 + 1*H235 - 2*J428 + 1*J437 - 1*J491 + 1*J61 - 1*J84 + 1*J113 + 1*J128 + 2*K931 - 1*K949 + 1*K954 + 1*K61 + 1*K91 - 1*K113 - 1*K128 - 2*K172 + 1*K215 - 1*K235 + 1*K266 - 1*K340$$

$$L932 * L1956 = 1*G85 + 2*H173 - 1*H213 + 1*H236 - 2*J429 + 1*J438 - 1*J492 + 1*J62 - 1*J85 + 1*J114 + 1*J129 + 2*K932 - 1*K950 + 1*K955 + 1*K62 + 1*K92 - 1*K114 - 1*K129 - 2*K173 + 1*K216 - 1*K236 + 1*K267 - 1*K341$$

$$L933 * L1957 = 1*G86 + 2*H174 - 1*H214 + 1*H237 - 2*J430 + 1*J439 - 1*J493 + 1*J63 - 1*J86 + 1*J115 + 1*J130 + 2*K933 - 1*K951 + 1*K956 + 1*K63 + 1*K93 - 1*K115 - 1*K130 - 2*K174 + 1*K217 - 1*K237 + 1*K268 - 1*K342$$

$$L934 * L1958 = 1*G87 + 2*H175 - 1*H215 + 1*H238 - 2*J431 + 1*J440 - 1*J494 + 1*J64 - 1*J87 + 1*J116 + 1*J131 + 2*K934 - 1*K952 + 1*K957 + 1*K64 + 1*K94 - 1*K116 - 1*K131 - 2*K175 + 1*K218 - 1*K238 + 1*K269 - 1*K343$$

$$L935 * L1959 = 1*G88 + 2*H176 - 1*H216 + 1*H239 - 2*J432 + 1*J441 - 1*J495 + 1*J65 - 1*J88 + 1*J117 + 1*J132 + 2*K935 - 1*K953 + 1*K958 + 1*K65 + 1*K95 - 1*K117 - 1*K132 - 2*K176 + 1*K219 - 1*K239 + 1*K270 - 1*K344$$

$$L937 * L1961 = 1*G90 + 2*H178 - 1*H218 + 1*H241 - 2*J434 + 1*J443 - 1*J497 + 1*J67 - 1*J90 + 1*J119 + 1*J134 + 2*K937 - 1*K955 + 1*K960 + 1*K67 + 1*K97 - 1*K119 - 1*K134 - 2*K178 + 1*K221 - 1*K241 + 1*K272 - 1*K346$$

$$L949 * L1973 = 1*G102 + 2*H190 - 1*H230 + 1*H253 - 2*J446 + 1*J455 - 1*J509 + 1*J79 - 1*J102 + 1*J131 + 1*J146 + 2*K949 - 1*K967 + 1*K972 + 1*K79 + 1*K109 - 1*K131 - 1*K146 - 2*K190 + 1*K233 - 1*K253 + 1*K284 - 1*K358$$

$$L950 * L1974 = 1*G103 + 2*H191 - 1*H231 + 1*H254 - 2*J447 + 1*J456 - 1*J510 + 1*J80 - 1*J103 + 1*J132 + 1*J147 + 2*K950 - 1*K968 + 1*K973 +$$

$$1*K80 + 1*K110 - 1*K132 - 1*K147 - 2*K191 + 1*K234 - 1*K254 + 1*K285 - 1*K359$$

$$L967 * L1991 = 1*G120 + 2*H208 - 1*H248 + 1*H15 - 2*J464 + 1*J473 - 1*J15 + 1*J97 - 1*J120 + 1*J149 + 1*J164 + 2*K967 - 1*K985 + 1*K990 + 1*K97 + 1*K127 - 1*K149 - 1*K164 - 2*K208 + 1*K251 - 1*K271 + 1*K302 - 1*K376$$

$$L968 * L1992 = 1*G121 + 2*H209 - 1*H249 + 1*H16 - 2*J465 + 1*J474 - 1*J16 + 1*J98 - 1*J121 + 1*J150 + 1*J165 + 2*K968 - 1*K986 + 1*K991 + 1*K98 + 1*K128 - 1*K150 - 1*K165 - 2*K209 + 1*K252 - 1*K272 + 1*K303 - 1*K377$$

$$L969 * L1993 = 1*G122 + 2*H210 - 1*H250 + 1*H17 - 2*J466 + 1*J475 - 1*J17 + 1*J99 - 1*J122 + 1*J151 + 1*J166 + 2*K969 - 1*K987 + 1*K992 + 1*K99 + 1*K129 - 1*K151 - 1*K166 - 2*K210 + 1*K253 - 1*K273 + 1*K304 - 1*K378$$

$$L993 * L2017 = 1*G18 + 2*H234 - 1*H18 + 1*H41 - 2*J490 + 1*J499 - 1*J41 + 1*J123 - 1*J146 + 1*J175 + 1*J190 + 2*K993 - 1*K1011 + 1*K1016 + 1*K123 + 1*K153 - 1*K175 - 1*K190 - 2*K234 + 1*K277 - 1*K297 + 1*K328 - 1*K402$$

$$L1006 * L2030 = 1*G31 + 2*H247 - 1*H31 + 1*H54 - 2*J503 + 1*J0 - 1*J54 + 1*J136 - 1*J159 + 1*J188 + 1*J203 + 2*K1006 - 1*K0 + 1*K5 + 1*K136 + 1*K166 - 1*K188 - 1*K203 - 2*K247 + 1*K290 - 1*K310 + 1*K341 - 1*K415$$

$$L1007 * L2031 = 1*G32 + 2*H248 - 1*H32 + 1*H55 - 2*J504 + 1*J1 - 1*J55 + 1*J137 - 1*J160 + 1*J189 + 1*J204 + 2*K1007 - 1*K1 + 1*K6 + 1*K137 + 1*K167 - 1*K189 - 1*K204 - 2*K248 + 1*K291 - 1*K311 + 1*K342 - 1*K416$$

$$L1008 * L2032 = 1*G33 + 2*H249 - 1*H33 + 1*H56 - 2*J505 + 1*J2 - 1*J56 + 1*J138 - 1*J161 + 1*J190 + 1*J205 + 2*K1008 - 1*K2 + 1*K7 + 1*K138 + 1*K168 - 1*K190 - 1*K205 - 2*K249 + 1*K292 - 1*K312 + 1*K343 - 1*K417$$

$$L1018 * L2042 = 1*G43 + 2*H3 - 1*H43 + 1*H66 - 2*J3 + 1*J12 - 1*J66 + 1*J148 - 1*J171 + 1*J200 + 1*J215 + 2*K1018 - 1*K12 + 1*K17 + 1*K148 + 1*K178 - 1*K200 - 1*K215 - 2*K259 + 1*K302 - 1*K322 + 1*K353 - 1*K427$$

$$L1022 * L2046 = 1*G47 + 2*H7 - 1*H47 + 1*H70 - 2*J7 + 1*J16 - 1*J70 + 1*J152 - 1*J175 + 1*J204 + 1*J219 + 2*K1022 - 1*K16 + 1*K21 + 1*K152 + 1*K182 - 1*K204 - 1*K219 - 2*K263 + 1*K306 - 1*K326 + 1*K357 - 1*K431$$

$$L1023 * L2047 = 1*G48 + 2*H8 - 1*H48 + 1*H71 - 2*J8 + 1*J17 - 1*J71 + 1*J153 - 1*J176 + 1*J205 + 1*J220 + 2*K1023 - 1*K17 + 1*K22 + 1*K153 + 1*K183 - 1*K205 - 1*K220 - 2*K264 + 1*K307 - 1*K327 + 1*K358 - 1*K432$$

M mod 4096 2048 Gleichungen, davon 30 benutzt

$$M92 * ~~M2140~~ = 1*K167 + 1*K246 + 1*K331 + 1*L92 + 1*L93 + 1*L94 - 1*L167 - 1*L246 - 1*L331 + 1*L869 + 1*L892$$

$$M93 * ~~M2141~~ = 1*K168 + 1*K247 + 1*K332 + 1*L93 + 1*L94 + 1*L95 - 1*L168 - 1*L247 - 1*L332 + 1*L870 + 1*L893$$

$$M932 * M2980 = 1*K1007 + 1*K62 + 1*K147 + 1*L932 + 1*L933 + 1*L934 - 1*L1007 - 1*L1086 - 1*L1171 + 1*L1709 + 1*L1732$$

$$M933 * ~~M2981~~ = 1*K1008 + 1*K63 + 1*K148 + 1*L933 + 1*L934 + 1*L935 - 1*L1008 - 1*L1087 - 1*L1172 + 1*L1710 + 1*L1733$$

$$M1024 * ~~M3036~~ = 1*K75 + 1*K154 + 1*K239 + 1*L1024 + 1*L1025 + 1*L1026 - 1*L1099 - 1*L1178 - 1*L1263 + 1*L1801 + 1*L1824$$

$$M1025 * \cancel{M3037} = 1*K76 + 1*K155 + 1*K240 + 1*L1025 + 1*L1026 + 1*L1027 - 1*L1100 - 1*L1179 - 1*L1264 + 1*L1802 + 1*L1825$$

$$M1116 * \cancel{M3164} = 1*K167 + 1*K246 + 1*K331 + 1*L1116 + 1*L1117 + 1*L1118 - 1*L1191 - 1*L1270 - 1*L1355 + 1*L1893 + 1*L1916$$

$$M1117 * \cancel{M3165} = 1*K168 + 1*K247 + 1*K332 + 1*L1117 + 1*L1118 + 1*L1119 - 1*L1192 - 1*L1271 - 1*L1356 + 1*L1894 + 1*L1917$$

$$M1357 * \cancel{M3405} = 1*K408 + 1*K487 + 1*K572 + 1*L1357 + 1*L1358 + 1*L1359 - 1*L1432 - 1*L1511 - 1*L1596 + 1*L86 + 1*L109$$

$$M1956 * M4004 = 1*K1007 + 1*K62 + 1*K147 + 1*L1956 + 1*L1957 + 1*L1958 - 1*L2031 - 1*L62 - 1*L147 + 1*L685 + 1*L708$$

$$M1957 * \cancel{M4005} = 1*K1008 + 1*K63 + 1*K148 + 1*L1957 + 1*L1958 + 1*L1959 - 1*L2032 - 1*L63 - 1*L148 + 1*L686 + 1*L709$$

$$M1991 * \cancel{M4039} = 1*K18 + 1*K97 + 1*K182 + 1*L1991 + 1*L1992 + 1*L1993 - 1*L18 - 1*L97 - 1*L182 + 1*L720 + 1*L743$$

$$M2047 * \cancel{M4095} = 1*K74 + 1*K153 + 1*K238 + 1*L2047 + 1*L0 + 1*L1 - 1*L74 - 1*L153 - 1*L238 + 1*L776 + 1*L799$$

$$\cancel{M0} * M2048 = 1*K75 + 1*K154 + 1*K239 + 1*L0 + 1*L1 + 1*L2 - 1*L75 - 1*L154 - 1*L239 + 1*L777 + 1*L800$$

$$\cancel{M1} * M2049 = 1*K76 + 1*K155 + 1*K240 + 1*L1 + 1*L2 + 1*L3 - 1*L76 - 1*L155 - 1*L240 + 1*L778 + 1*L801$$

$$\cancel{M4245} * M2197 = 1*K224 + 1*K303 + 1*K388 + 1*L149 + 1*L150 + 1*L151 - 1*L224 - 1*L303 - 1*L388 + 1*L926 + 1*L949 \\ (4245 \text{ mod } 4096 = 149)$$

$$\cancel{M4337} * M2289 = 1*K316 + 1*K395 + 1*K480 + 1*L241 + 1*L242 + 1*L243 - 1*L316 - 1*L395 - 1*L480 + 1*L1018 + 1*L1041 \\ (4337 \text{ mod } 4096 = 241)$$

$$\cancel{M4429} * M2381 = 1*K408 + 1*K487 + 1*K572 + 1*L333 + 1*L334 + 1*L335 - 1*L408 - 1*L487 - 1*L572 + 1*L1110 + 1*L1133 \\ (4429 \text{ mod } 4096 = 333)$$

$$\cancel{M4879} * M2831 = 1*K858 + 1*K937 + 1*K1022 + 1*L783 + 1*L784 + 1*L785 - 1*L858 - 1*L937 - 1*L1022 + 1*L1560 + 1*L1583 \\ (4879 \text{ mod } 4096 = 783)$$

$$\cancel{M4935} * M2887 = 1*K914 + 1*K993 + 1*K54 + 1*L839 + 1*L840 + 1*L841 - 1*L914 - 1*L993 - 1*L1078 + 1*L1616 + 1*L1639 \\ (4935 \text{ mod } 4096 = 839)$$

$$\cancel{M4971} * M2923 = 1*K950 + 1*K5 + 1*K90 + 1*L875 + 1*L876 + 1*L877 - 1*L950 - 1*L1029 - 1*L1114 + 1*L1652 + 1*L1675 \\ (4971 \text{ mod } 4096 = 875)$$

$$\cancel{M5027} * M2979 = 1*K1006 + 1*K61 + 1*K146 + 1*L931 + 1*L932 + 1*L933 - 1*L1006 - 1*L1085 - 1*L1170 + 1*L1708 + 1*L1731 \\ (5027 \text{ mod } 4096 = 931)$$

