

Minimize T , subject to:

$$\left\{ \begin{array}{l} y_0^0 + y_1^0 + y_2^0 + y_3^0 + y_4^0 = 1 \quad (\text{row1}) \\ y_0^1 + y_1^1 + y_2^1 + y_3^1 + y_4^1 = 1 \quad (\text{row2}) \\ y_0^2 + y_1^2 + y_2^2 + y_3^2 + y_4^2 = 1 \quad (\text{row3}) \\ y_0^3 + y_1^3 + y_2^3 + y_3^3 + y_4^3 = 1 \quad (\text{row4}) \\ x_{0,0}^0 - y_0^0 \leq 0 \quad (\text{row5}) \\ x_{0,1}^0 - y_0^0 \leq 0 \quad (\text{row6}) \\ x_{0,1}^0 - y_0^0 \leq 0 \quad (\text{row7}) \\ x_{0,2}^0 - y_0^0 \leq 0 \quad (\text{row8}) \\ x_{0,3}^0 - y_0^0 \leq 0 \quad (\text{row9}) \\ x_{0,4}^0 - y_0^0 \leq 0 \quad (\text{row10}) \\ x_{1,0}^0 - y_1^0 \leq 0 \quad (\text{row10}) \end{array} \right. \quad (1)$$

$$\left\{ \begin{array}{l} x_{1,1}^0 - y_1^0 \leq 0 \quad (\text{row11}) \\ x_{1,2}^0 - y_1^0 \leq 0 \quad (\text{row12}) \\ x_{1,3}^0 - y_1^0 \leq 0 \quad (\text{row13}) \\ x_{1,4}^0 - y_1^0 \leq 0 \quad (\text{row14}) \\ x_{2,0}^0 - y_2^0 \leq 0 \quad (\text{row15}) \\ x_{2,1}^0 - y_2^0 \leq 0 \quad (\text{row16}) \\ x_{2,1}^0 - y_2^0 \leq 0 \quad (\text{row17}) \\ x_{2,2}^0 - y_2^0 \leq 0 \quad (\text{row18}) \\ x_{2,3}^0 - y_2^0 \leq 0 \quad (\text{row19}) \\ x_{2,4}^0 - y_2^0 \leq 0 \quad (\text{row20}) \\ x_{3,0}^0 - y_3^0 \leq 0 \quad (\text{row21}) \\ x_{3,1}^0 - y_3^0 \leq 0 \quad (\text{row21}) \end{array} \right. \quad (2)$$

$$\left\{ \begin{array}{l} x_{3,2}^0 - y_3^0 \leq 0 \quad (\text{row22}) \\ x_{3,3}^0 - y_3^0 \leq 0 \quad (\text{row23}) \\ x_{3,4}^0 - y_3^0 \leq 0 \quad (\text{row24}) \\ x_{4,0}^0 - y_4^0 \leq 0 \quad (\text{row25}) \\ x_{4,1}^0 - y_4^0 \leq 0 \quad (\text{row26}) \\ x_{4,2}^0 - y_4^0 \leq 0 \quad (\text{row27}) \\ x_{4,3}^0 - y_4^0 \leq 0 \quad (\text{row28}) \\ x_{4,4}^0 - y_4^0 \leq 0 \quad (\text{row29}) \\ x_{0,2}^0 - y_0^0 \leq 0 \quad (\text{row30}) \\ x_{0,2}^0 - y_0^0 \leq 0 \quad (\text{row31}) \\ x_{0,2}^0 - y_0^0 \leq 0 \quad (\text{row32}) \end{array} \right. \quad (3)$$

$$\left\{ \begin{array}{l} x_{0,2}^0 - y_0^0 \leq 0 \quad (\text{row33}) \\ x_{0,3}^0 - y_0^0 \leq 0 \quad (\text{row34}) \\ x_{0,4}^0 - y_0^0 \leq 0 \quad (\text{row35}) \\ x_{1,0}^0 - y_1^0 \leq 0 \quad (\text{row36}) \\ x_{1,1}^0 - y_1^0 \leq 0 \quad (\text{row37}) \\ x_{1,2}^0 - y_1^0 \leq 0 \quad (\text{row38}) \\ x_{1,3}^0 - y_1^0 \leq 0 \quad (\text{row39}) \\ x_{1,4}^0 - y_1^0 \leq 0 \quad (\text{row40}) \\ x_{2,0}^0 - y_2^0 \leq 0 \quad (\text{row41}) \\ x_{2,1}^0 - y_2^0 \leq 0 \quad (\text{row42}) \\ x_{2,2}^0 - y_2^0 \leq 0 \quad (\text{row43}) \\ x_{2,3}^0 - y_2^0 \leq 0 \quad (\text{row43}) \end{array} \right. \quad (4)$$

$$\left\{ \begin{array}{l} x_{2,4}^0 - y_2^0 \leq 0 \quad (\text{row44}) \\ x_{3,0}^0 - y_3^0 \leq 0 \quad (\text{row45}) \\ x_{3,1}^0 - y_3^0 \leq 0 \quad (\text{row46}) \\ x_{3,2}^0 - y_3^0 \leq 0 \quad (\text{row47}) \\ x_{3,3}^0 - y_3^0 \leq 0 \quad (\text{row48}) \\ x_{3,4}^0 - y_3^0 \leq 0 \quad (\text{row49}) \\ x_{4,0}^0 - y_4^0 \leq 0 \quad (\text{row50}) \\ x_{4,1}^0 - y_4^0 \leq 0 \quad (\text{row51}) \\ x_{4,2}^0 - y_4^0 \leq 0 \quad (\text{row52}) \\ x_{4,3}^0 - y_4^0 \leq 0 \quad (\text{row53}) \\ x_{4,4}^0 - y_4^0 \leq 0 \quad (\text{row54}) \end{array} \right. \quad (5)$$

$$\left\{ \begin{array}{l} x_{0,0}^{1,3} - y_0^1 \leq 0 \quad (\text{row55}) \\ x_{0,1}^{1,3} - y_0^1 \leq 0 \quad (\text{row56}) \\ x_{0,3}^{1,3} - y_0^1 \leq 0 \quad (\text{row57}) \\ x_{0,3}^{1,3} - y_0^1 \leq 0 \quad (\text{row58}) \\ x_{0,3}^{1,3} - y_0^1 \leq 0 \quad (\text{row59}) \\ x_{0,4}^{1,3} - y_0^1 \leq 0 \quad (\text{row60}) \\ x_{1,0}^{1,3} - y_1^1 \leq 0 \quad (\text{row61}) \\ x_{1,1}^{1,3} - y_1^1 \leq 0 \quad (\text{row62}) \\ x_{1,2}^{1,3} - y_1^1 \leq 0 \quad (\text{row63}) \\ x_{1,3}^{1,3} - y_1^1 \leq 0 \quad (\text{row64}) \\ x_{1,3}^{1,3} - y_1^1 \leq 0 \quad (\text{row65}) \end{array} \right. \quad (6)$$

$$\left\{ \begin{array}{l} x_{2,1}^{1,3} - y_2^1 \leq 0 \quad (\text{row66}) \\ x_{2,2}^{1,3} - y_2^1 \leq 0 \quad (\text{row67}) \\ x_{2,3}^{1,3} - y_2^1 \leq 0 \quad (\text{row68}) \\ x_{2,3}^{1,3} - y_2^1 \leq 0 \quad (\text{row69}) \\ x_{2,4}^{1,3} - y_2^1 \leq 0 \quad (\text{row70}) \\ x_{3,0}^{1,3} - y_3^1 \leq 0 \quad (\text{row71}) \\ x_{3,1}^{1,3} - y_3^1 \leq 0 \quad (\text{row72}) \\ x_{3,2}^{1,3} - y_3^1 \leq 0 \quad (\text{row73}) \\ x_{3,3}^{1,3} - y_3^1 \leq 0 \quad (\text{row74}) \\ x_{3,4}^{1,3} - y_3^1 \leq 0 \quad (\text{row75}) \\ x_{4,0}^{1,3} - y_4^1 \leq 0 \quad (\text{row76}) \\ x_{4,1}^{1,3} - y_4^1 \leq 0 \quad (\text{row76}) \end{array} \right. \quad (7)$$

$$\left\{ \begin{array}{l} x_{4,2}^{1,3} - y_4^1 \leq 0 \quad (\text{row77}) \\ x_{4,3}^{1,3} - y_4^1 \leq 0 \quad (\text{row78}) \\ x_{4,4}^{1,3} - y_4^1 \leq 0 \quad (\text{row79}) \\ x_{2,3}^{2,3} - y_0^2 \leq 0 \quad (\text{row80}) \\ x_{0,0}^{2,3} - y_0^2 \leq 0 \quad (\text{row81}) \\ x_{2,3}^{2,3} - y_0^2 \leq 0 \quad (\text{row82}) \\ x_{0,3}^{2,3} - y_0^2 \leq 0 \quad (\text{row83}) \\ x_{2,3}^{2,3} - y_0^2 \leq 0 \quad (\text{row84}) \\ x_{0,4}^{2,3} - y_0^2 \leq 0 \quad (\text{row85}) \\ x_{2,3}^{2,3} - y_1^2 \leq 0 \quad (\text{row86}) \\ x_{1,1}^{2,3} - y_1^2 \leq 0 \quad (\text{row87}) \\ x_{2,3}^{2,3} - y_1^2 \leq 0 \quad (\text{row87}) \end{array} \right. \quad (8)$$

$$\left\{ \begin{array}{l} x_{1,3}^{2,3} - y_1^2 \leq 0 \quad (\text{row88}) \\ x_{2,3}^{2,3} - y_1^2 \leq 0 \quad (\text{row89}) \\ x_{1,4}^{2,3} - y_1^2 \leq 0 \quad (\text{row90}) \\ x_{2,0}^{2,3} - y_2^2 \leq 0 \quad (\text{row91}) \\ x_{2,3}^{2,3} - y_2^2 \leq 0 \quad (\text{row92}) \\ x_{2,1}^{2,3} - y_2^2 \leq 0 \quad (\text{row93}) \\ x_{2,2}^{2,3} - y_2^2 \leq 0 \quad (\text{row94}) \\ x_{2,3}^{2,3} - y_2^2 \leq 0 \quad (\text{row95}) \\ x_{2,3}^{2,3} - y_2^2 \leq 0 \quad (\text{row96}) \\ x_{2,3}^{2,3} - y_2^2 \leq 0 \quad (\text{row97}) \\ x_{2,3}^{2,3} - y_2^2 \leq 0 \quad (\text{row98}) \\ x_{3,3}^{2,3} - y_3^2 \leq 0 \quad (\text{row98}) \end{array} \right. \quad (9)$$

$$\left\{ \begin{array}{l} x_{2,3}^{2,3} - y_3^2 \leq 0 \quad (\text{row99}) \\ x_{2,3}^{2,3} - y_3^2 \leq 0 \quad (\text{row100}) \\ x_{4,0}^{2,3} - y_4^2 \leq 0 \quad (\text{row101}) \\ x_{2,3}^{2,3} - y_4^2 \leq 0 \quad (\text{row102}) \\ x_{4,2}^{2,3} - y_4^2 \leq 0 \quad (\text{row103}) \\ x_{2,3}^{2,3} - y_4^2 \leq 0 \quad (\text{row104}) \\ x_{4,4}^{2,3} - y_4^2 \leq 0 \quad (\text{row104}) \\ -y_0^1 + x_{0,0}^{0,1} + x_{1,0}^{0,1} + x_{2,0}^{0,1} + x_{3,0}^{0,1} + x_{4,0}^{0,1} \geq 0 \quad (\text{row105}) \\ -y_1^1 + x_{0,1}^{0,1} + x_{1,1}^{0,1} + x_{2,1}^{0,1} + x_{3,1}^{0,1} + x_{4,1}^{0,1} \geq 0 \quad (\text{row106}) \\ -y_2^1 + x_{0,2}^{0,1} + x_{1,2}^{0,1} + x_{2,2}^{0,1} + x_{3,2}^{0,1} + x_{4,2}^{0,1} \geq 0 \quad (\text{row107}) \\ -y_3^1 + x_{0,3}^{0,1} + x_{1,3}^{0,1} + x_{2,3}^{0,1} + x_{3,3}^{0,1} + x_{4,3}^{0,1} \geq 0 \quad (\text{row108}) \\ -y_4^1 + x_{0,4}^{0,1} + x_{1,4}^{0,1} + x_{2,4}^{0,1} + x_{3,4}^{0,1} + x_{4,4}^{0,1} \geq 0 \quad (\text{row109}) \end{array} \right. \quad (10)$$

$$\left\{ \begin{array}{l}
-T + 1175504081640600f^{0,1}(T_0 \rightarrow T_4) + 4069103689062500f^{0,2}(T_0 \rightarrow T_4) + 1175504081640600f^{1,3}(T_0 \rightarrow T_4) + 346271955390620f^{2,3}(T_0 \rightarrow T_4) \\
-T + 398360391171880f^{0,1}(T_1 \rightarrow T_3) + 1378957132187500f^{0,2}(T_1 \rightarrow T_3) + 398360391171880f^{1,3}(T_1 \rightarrow T_3) + 117346280421880f^{2,3}(T_1 \rightarrow T_3) \\
-T + 247190784843750f^{0,1}(T_3 \rightarrow T_4) + 855671154375000f^{0,2}(T_3 \rightarrow T_4) + 247190784843750f^{1,3}(T_3 \rightarrow T_4) + 72815771343750f^{2,3}(T_3 \rightarrow T_4) \\
-T + 4069103689062500f^{0,1}(T_0 \rightarrow T_3) + 14085535806250000f^{0,2}(T_0 \rightarrow T_3) + 4069103689062500f^{1,3}(T_0 \rightarrow T_3) + 1198648744062500f^{2,3}(T_0 \rightarrow T_3) \\
-T + 279702128750000f^{0,1}(T_3 \rightarrow T_2) + 9.68211835E + 14f^{0,2}(T_3 \rightarrow T_2) + 279702128750000f^{1,3}(T_3 \rightarrow T_2) + 82392740750000f^{2,3}(T_3 \rightarrow T_2) \\
-T + 1175504081640600f^{0,1}(T_0 \rightarrow T_1) + 4069103689062500f^{0,2}(T_0 \rightarrow T_1) + 1175504081640600f^{1,3}(T_0 \rightarrow T_1) + 346271955390620f^{2,3}(T_0 \rightarrow T_1) \\
-T + 346271955390620f^{0,1}(T_0 \rightarrow T_2) + 1198648744062500f^{0,2}(T_0 \rightarrow T_2) + 346271955390620f^{1,3}(T_0 \rightarrow T_2) + 102002425140620f^{2,3}(T_0 \rightarrow T_2) \\
-T + 160448153593750f^{0,1}(T_4 \rightarrow T_2) + 555404429375000f^{0,2}(T_4 \rightarrow T_2) + 160448153593750f^{1,3}(T_4 \rightarrow T_2) + 47263720093750f^{2,3}(T_4 \rightarrow T_2) \\
-T + 958154647656250f^{0,1}(T_1 \rightarrow T_2) + 3316730815625000f^{0,2}(T_1 \rightarrow T_2) + 958154647656250f^{1,3}(T_1 \rightarrow T_2) + 282246645156250f^{2,3}(T_1 \rightarrow T_2) \\
-T + 1415280600078100f^{0,1}(T_4 \rightarrow T_1) + 4899109752812500f^{0,2}(T_4 \rightarrow T_1) + 1415280600078100f^{1,3}(T_4 \rightarrow T_1) + 416903682828120f^{2,3}(T_4 \rightarrow T_1) \\
-T + 1175504081640600f^{0,1}(T_4 \rightarrow T_0) + 4069103689062500f^{0,2}(T_4 \rightarrow T_0) + 1175504081640600f^{1,3}(T_4 \rightarrow T_0) + 346271955390620f^{2,3}(T_4 \rightarrow T_0)
\end{array} \right. \quad (22)$$

$$\left\{ \begin{array}{l}
-T + 398360391171880f^{0,1}(T_3 \rightarrow T_1) + 1378957132187500f^{0,2}(T_3 \rightarrow T_1) + 398360391171880f^{1,3}(T_3 \rightarrow T_1) + 117346280421880f^{2,3}(T_3 \rightarrow T_1) \\
-T + 247190784843750f^{0,1}(T_4 \rightarrow T_3) + 855671154375000f^{0,2}(T_4 \rightarrow T_3) + 247190784843750f^{1,3}(T_4 \rightarrow T_3) + 72815771343750f^{2,3}(T_4 \rightarrow T_3) \\
-T + 4069103689062500f^{0,1}(T_3 \rightarrow T_0) + 14085535806250000f^{0,2}(T_3 \rightarrow T_0) + 4069103689062500f^{1,3}(T_3 \rightarrow T_0) + 1198648744062500f^{2,3}(T_3 \rightarrow T_0) \\
-T + 279702128750000f^{0,1}(T_2 \rightarrow T_3) + 9.68211835E + 14f^{0,2}(T_2 \rightarrow T_3) + 279702128750000f^{1,3}(T_2 \rightarrow T_3) + 82392740750000f^{2,3}(T_2 \rightarrow T_3) \\
-T + 1175504081640600f^{0,1}(T_1 \rightarrow T_0) + 4069103689062500f^{0,2}(T_1 \rightarrow T_0) + 1175504081640600f^{1,3}(T_1 \rightarrow T_0) + 346271955390620f^{2,3}(T_1 \rightarrow T_0) \\
-T + 346271955390620f^{0,1}(T_2 \rightarrow T_0) + 1198648744062500f^{0,2}(T_2 \rightarrow T_0) + 346271955390620f^{1,3}(T_2 \rightarrow T_0) + 102002425140620f^{2,3}(T_2 \rightarrow T_0) \\
-T + 160448153593750f^{0,1}(T_2 \rightarrow T_4) + 555404429375000f^{0,2}(T_2 \rightarrow T_4) + 160448153593750f^{1,3}(T_2 \rightarrow T_4) + 47263720093750f^{2,3}(T_2 \rightarrow T_4) \\
-T + 958154647656250f^{0,1}(T_2 \rightarrow T_1) + 3316730815625000f^{0,2}(T_2 \rightarrow T_1) + 958154647656250f^{1,3}(T_2 \rightarrow T_1) + 282246645156250f^{2,3}(T_2 \rightarrow T_1)
\end{array} \right. \quad (23)$$

$$\left\{ \begin{array}{l}
f^{2,3}(T_1 \rightarrow T_4) - f^{2,3}(T_1 \rightarrow T_4) \geq 0 \quad (\text{row253}) \\
f^{0,1}(T_0 \rightarrow T_4) - f^{0,1}(T_0 \rightarrow T_4) \geq 0 \quad (\text{row254}) \\
f^{0,2}(T_0 \rightarrow T_4) - f^{0,2}(T_0 \rightarrow T_4) \geq 0 \quad (\text{row255}) \\
f^{1,3}(T_0 \rightarrow T_4) - f^{1,3}(T_0 \rightarrow T_4) \geq 0 \quad (\text{row256}) \\
f^{2,3}(T_0 \rightarrow T_4) - f^{2,3}(T_0 \rightarrow T_4) \geq 0 \quad (\text{row257}) \\
f^{0,1}(T_1 \rightarrow T_3) - f^{0,1}(T_1 \rightarrow T_3) \geq 0 \quad (\text{row258}) \\
f^{0,2}(T_1 \rightarrow T_3) - f^{0,2}(T_1 \rightarrow T_3) \geq 0 \quad (\text{row259}) \\
f^{1,3}(T_1 \rightarrow T_3) - f^{1,3}(T_1 \rightarrow T_3) \geq 0 \quad (\text{row260}) \\
f^{2,3}(T_1 \rightarrow T_3) - f^{2,3}(T_1 \rightarrow T_3) \geq 0 \quad (\text{row261}) \\
f^{0,1}(T_3 \rightarrow T_4) - f^{0,1}(T_3 \rightarrow T_4) \geq 0 \quad (\text{row262}) \\
f^{0,2}(T_3 \rightarrow T_4) - f^{0,2}(T_3 \rightarrow T_4) \geq 0 \quad (\text{row263})
\end{array} \right. \quad (24)$$

$$\left\{ \begin{array}{l}
f^{1,3}(T_3 \rightarrow T_4) - f^{1,3}(T_3 \rightarrow T_4) \geq 0 \quad (\text{row264}) \\
f^{2,3}(T_3 \rightarrow T_4) - f^{2,3}(T_3 \rightarrow T_4) \geq 0 \quad (\text{row265}) \\
f^{0,1}(T_0 \rightarrow T_3) - f^{0,1}(T_0 \rightarrow T_3) \geq 0 \quad (\text{row266}) \\
f^{0,2}(T_0 \rightarrow T_3) - f^{0,2}(T_0 \rightarrow T_3) \geq 0 \quad (\text{row267}) \\
f^{1,3}(T_0 \rightarrow T_3) - f^{1,3}(T_0 \rightarrow T_3) \geq 0 \quad (\text{row268}) \\
f^{2,3}(T_0 \rightarrow T_3) - f^{2,3}(T_0 \rightarrow T_3) \geq 0 \quad (\text{row269}) \\
f^{0,1}(T_3 \rightarrow T_2) - f^{0,1}(T_3 \rightarrow T_2) \geq 0 \quad (\text{row270}) \\
f^{0,2}(T_3 \rightarrow T_2) - f^{0,2}(T_3 \rightarrow T_2) \geq 0 \quad (\text{row271}) \\
f^{1,3}(T_3 \rightarrow T_2) - f^{1,3}(T_3 \rightarrow T_2) \geq 0 \quad (\text{row272}) \\
f^{2,3}(T_3 \rightarrow T_2) - f^{2,3}(T_3 \rightarrow T_2) \geq 0 \quad (\text{row273}) \\
f^{0,1}(T_0 \rightarrow T_1) - f^{0,1}(T_0 \rightarrow T_1) \geq 0 \quad (\text{row274})
\end{array} \right. \quad (25)$$

$$\left\{ \begin{array}{l}
f^{0,2}(T_0 \rightarrow T_1) - f^{0,2}(T_0 \rightarrow T_1) \geq 0 \quad (\text{row275}) \\
f^{1,3}(T_0 \rightarrow T_1) - f^{1,3}(T_0 \rightarrow T_1) \geq 0 \quad (\text{row276}) \\
f^{2,3}(T_0 \rightarrow T_1) - f^{2,3}(T_0 \rightarrow T_1) \geq 0 \quad (\text{row277}) \\
f^{0,1}(T_0 \rightarrow T_2) - f^{0,1}(T_0 \rightarrow T_2) \geq 0 \quad (\text{row278}) \\
f^{0,2}(T_0 \rightarrow T_2) - f^{0,2}(T_0 \rightarrow T_2) \geq 0 \quad (\text{row279}) \\
f^{1,3}(T_0 \rightarrow T_2) - f^{1,3}(T_0 \rightarrow T_2) \geq 0 \quad (\text{row280}) \\
f^{2,3}(T_0 \rightarrow T_2) - f^{2,3}(T_0 \rightarrow T_2) \geq 0 \quad (\text{row281}) \\
f^{0,1}(T_4 \rightarrow T_2) - f^{0,1}(T_4 \rightarrow T_2) \geq 0 \quad (\text{row282}) \\
f^{0,2}(T_4 \rightarrow T_2) - f^{0,2}(T_4 \rightarrow T_2) \geq 0 \quad (\text{row283}) \\
f^{1,3}(T_4 \rightarrow T_2) - f^{1,3}(T_4 \rightarrow T_2) \geq 0 \quad (\text{row284}) \\
f^{2,3}(T_4 \rightarrow T_2) - f^{2,3}(T_4 \rightarrow T_2) \geq 0 \quad (\text{row285})
\end{array} \right. \quad (26)$$

$$\left\{ \begin{array}{l}
f^{0,1}(T_1 \rightarrow T_2) - f^{0,1}(T_1 \rightarrow T_2) \geq 0 \quad (\text{row286}) \\
f^{0,2}(T_1 \rightarrow T_2) - f^{0,2}(T_1 \rightarrow T_2) \geq 0 \quad (\text{row287}) \\
f^{1,3}(T_1 \rightarrow T_2) - f^{1,3}(T_1 \rightarrow T_2) \geq 0 \quad (\text{row288}) \\
f^{2,3}(T_1 \rightarrow T_2) - f^{2,3}(T_1 \rightarrow T_2) \geq 0 \quad (\text{row289}) \\
f^{0,1}(T_4 \rightarrow T_1) - f^{0,1}(T_4 \rightarrow T_1) \geq 0 \quad (\text{row290}) \\
f^{0,2}(T_4 \rightarrow T_1) - f^{0,2}(T_4 \rightarrow T_1) \geq 0 \quad (\text{row291}) \\
f^{1,3}(T_4 \rightarrow T_1) - f^{1,3}(T_4 \rightarrow T_1) \geq 0 \quad (\text{row292}) \\
f^{2,3}(T_4 \rightarrow T_1) - f^{2,3}(T_4 \rightarrow T_1) \geq 0 \quad (\text{row293}) \\
f^{0,1}(T_4 \rightarrow T_0) - f^{0,1}(T_4 \rightarrow T_0) \geq 0 \quad (\text{row294}) \\
f^{0,2}(T_4 \rightarrow T_0) - f^{0,2}(T_4 \rightarrow T_0) \geq 0 \quad (\text{row295}) \\
f^{1,3}(T_4 \rightarrow T_0) - f^{1,3}(T_4 \rightarrow T_0) \geq 0 \quad (\text{row296})
\end{array} \right. \quad (27)$$

$$\left\{ \begin{array}{l} f'^{2,3}(T_4 \rightarrow T_0) - f^{2,3}(T_4 \rightarrow T_0) \geq 0 \quad (\text{row297}) \\ f'^{0,1}(T_3 \rightarrow T_1) - f^{0,1}(T_3 \rightarrow T_1) \geq 0 \quad (\text{row298}) \\ f'^{0,2}(T_3 \rightarrow T_1) - f^{0,2}(T_3 \rightarrow T_1) \geq 0 \quad (\text{row299}) \\ f'^{1,3}(T_3 \rightarrow T_1) - f^{1,3}(T_3 \rightarrow T_1) \geq 0 \quad (\text{row300}) \\ f'^{2,3}(T_3 \rightarrow T_1) - f^{2,3}(T_3 \rightarrow T_1) \geq 0 \quad (\text{row301}) \\ f'^{0,1}(T_4 \rightarrow T_3) - f^{0,1}(T_4 \rightarrow T_3) \geq 0 \quad (\text{row302}) \\ f'^{0,2}(T_4 \rightarrow T_3) - f^{0,2}(T_4 \rightarrow T_3) \geq 0 \quad (\text{row303}) \\ f'^{1,3}(T_4 \rightarrow T_3) - f^{1,3}(T_4 \rightarrow T_3) \geq 0 \quad (\text{row304}) \\ f'^{2,3}(T_4 \rightarrow T_3) - f^{2,3}(T_4 \rightarrow T_3) \geq 0 \quad (\text{row305}) \\ f'^{0,1}(T_3 \rightarrow T_0) - f^{0,1}(T_3 \rightarrow T_0) \geq 0 \quad (\text{row306}) \\ f'^{0,2}(T_3 \rightarrow T_0) - f^{0,2}(T_3 \rightarrow T_0) \geq 0 \quad (\text{row307}) \end{array} \right. \quad (28)$$

$$\left\{ \begin{array}{l} f'^{1,3}(T_3 \rightarrow T_0) - f^{1,3}(T_3 \rightarrow T_0) \geq 0 \quad (\text{row308}) \\ f'^{2,3}(T_3 \rightarrow T_0) - f^{2,3}(T_3 \rightarrow T_0) \geq 0 \quad (\text{row309}) \\ f'^{0,1}(T_2 \rightarrow T_3) - f^{0,1}(T_2 \rightarrow T_3) \geq 0 \quad (\text{row310}) \\ f'^{0,2}(T_2 \rightarrow T_3) - f^{0,2}(T_2 \rightarrow T_3) \geq 0 \quad (\text{row311}) \\ f'^{1,3}(T_2 \rightarrow T_3) - f^{1,3}(T_2 \rightarrow T_3) \geq 0 \quad (\text{row312}) \\ f'^{2,3}(T_2 \rightarrow T_3) - f^{2,3}(T_2 \rightarrow T_3) \geq 0 \quad (\text{row313}) \\ f'^{0,1}(T_1 \rightarrow T_0) - f^{0,1}(T_1 \rightarrow T_0) \geq 0 \quad (\text{row314}) \\ f'^{0,2}(T_1 \rightarrow T_0) - f^{0,2}(T_1 \rightarrow T_0) \geq 0 \quad (\text{row315}) \\ f'^{1,3}(T_1 \rightarrow T_0) - f^{1,3}(T_1 \rightarrow T_0) \geq 0 \quad (\text{row316}) \\ f'^{2,3}(T_1 \rightarrow T_0) - f^{2,3}(T_1 \rightarrow T_0) \geq 0 \quad (\text{row317}) \\ f'^{0,1}(T_2 \rightarrow T_0) - f^{0,1}(T_2 \rightarrow T_0) \geq 0 \quad (\text{row318}) \end{array} \right. \quad (29)$$

$$\left\{ \begin{array}{l} f'^{0,2}(T_2 \rightarrow T_0) - f^{0,2}(T_2 \rightarrow T_0) \geq 0 \quad (\text{row319}) \\ f'^{1,3}(T_2 \rightarrow T_0) - f^{1,3}(T_2 \rightarrow T_0) \geq 0 \quad (\text{row320}) \\ f'^{2,3}(T_2 \rightarrow T_0) - f^{2,3}(T_2 \rightarrow T_0) \geq 0 \quad (\text{row321}) \\ f'^{0,1}(T_2 \rightarrow T_4) - f^{0,1}(T_2 \rightarrow T_4) \geq 0 \quad (\text{row322}) \\ f'^{0,2}(T_2 \rightarrow T_4) - f^{0,2}(T_2 \rightarrow T_4) \geq 0 \quad (\text{row323}) \\ f'^{1,3}(T_2 \rightarrow T_4) - f^{1,3}(T_2 \rightarrow T_4) \geq 0 \quad (\text{row324}) \\ f'^{2,3}(T_2 \rightarrow T_4) - f^{2,3}(T_2 \rightarrow T_4) \geq 0 \quad (\text{row325}) \\ f'^{0,1}(T_2 \rightarrow T_1) - f^{0,1}(T_2 \rightarrow T_1) \geq 0 \quad (\text{row326}) \\ f'^{0,2}(T_2 \rightarrow T_1) - f^{0,2}(T_2 \rightarrow T_1) \geq 0 \quad (\text{row327}) \\ f'^{1,3}(T_2 \rightarrow T_1) - f^{1,3}(T_2 \rightarrow T_1) \geq 0 \quad (\text{row328}) \\ f'^{2,3}(T_2 \rightarrow T_1) - f^{2,3}(T_2 \rightarrow T_1) \geq 0 \quad (\text{row329}) \end{array} \right. \quad (30)$$

$$\left\{ \begin{array}{l} f'^{0,1}(T_1 \rightarrow T_4) \geq 0 \\ f'^{0,1}(T_0 \rightarrow T_4) \geq 0 \\ f'^{0,1}(T_1 \rightarrow T_3) \geq 0 \\ f'^{0,1}(T_3 \rightarrow T_4) \geq 0 \\ f'^{0,1}(T_0 \rightarrow T_3) \geq 0 \\ f'^{0,1}(T_3 \rightarrow T_2) \geq 0 \\ f'^{0,1}(T_0 \rightarrow T_1) \geq 0 \\ f'^{0,1}(T_0 \rightarrow T_2) \geq 0 \\ f'^{0,1}(T_4 \rightarrow T_2) \geq 0 \\ f'^{0,1}(T_1 \rightarrow T_2) \geq 0 \\ f'^{0,1}(T_4 \rightarrow T_1) \geq 0 \end{array} \right. \quad (31)$$

$$\left\{ \begin{array}{l} f'^{0,1}(T_4 \rightarrow T_0) \geq 0 \\ f'^{0,1}(T_3 \rightarrow T_1) \geq 0 \\ f'^{0,1}(T_4 \rightarrow T_3) \geq 0 \\ f'^{0,1}(T_3 \rightarrow T_0) \geq 0 \\ f'^{0,1}(T_2 \rightarrow T_3) \geq 0 \\ f'^{0,1}(T_1 \rightarrow T_0) \geq 0 \\ f'^{0,1}(T_2 \rightarrow T_0) \geq 0 \\ f'^{0,1}(T_2 \rightarrow T_4) \geq 0 \\ f'^{0,1}(T_2 \rightarrow T_1) \geq 0 \\ f'^{0,2}(T_1 \rightarrow T_4) \geq 0 \\ f'^{0,2}(T_0 \rightarrow T_4) \geq 0 \end{array} \right. \quad (32)$$

$$\left\{ \begin{array}{l} f'^{0,2}(T_1 \rightarrow T_3) \geq 0 \\ f'^{0,2}(T_3 \rightarrow T_4) \geq 0 \\ f'^{0,2}(T_0 \rightarrow T_3) \geq 0 \\ f'^{0,2}(T_3 \rightarrow T_2) \geq 0 \\ f'^{0,2}(T_0 \rightarrow T_1) \geq 0 \\ f'^{0,2}(T_0 \rightarrow T_2) \geq 0 \\ f'^{0,2}(T_4 \rightarrow T_2) \geq 0 \\ f'^{0,2}(T_4 \rightarrow T_1) \geq 0 \\ f'^{0,2}(T_4 \rightarrow T_1) \geq 0 \\ f'^{0,2}(T_4 \rightarrow T_0) \geq 0 \\ f'^{0,2}(T_3 \rightarrow T_1) \geq 0 \end{array} \right. \quad (33)$$

$$\left\{ \begin{array}{l} f^{j0,2}(T_4 \rightarrow T_3) \succ 0 \\ f^{j0,2}(T_3 \rightarrow T_0) \succ 0 \\ f^{j0,2}(T_2 \rightarrow T_3) \succ 0 \\ f^{j0,2}(T_1 \rightarrow T_0) \succ 0 \\ f^{j0,2}(T_2 \rightarrow T_0) \succ 0 \\ f^{j0,2}(T_2 \rightarrow T_4) \succ 0 \\ f^{j0,2}(T_2 \rightarrow T_1) \succ 0 \\ f^{j1,3}(T_1 \rightarrow T_4) \succ 0 \\ f^{j1,3}(T_0 \rightarrow T_4) \succ 0 \\ f^{j1,3}(T_1 \rightarrow T_3) \succ 0 \\ f^{j1,3}(T_3 \rightarrow T_4) \succ 0 \end{array} \right. \quad (34)$$

$$\left\{ \begin{array}{l} f^{j1,3}(T_0 \rightarrow T_3) \succ 0 \\ f^{j1,3}(T_3 \rightarrow T_2) \succ 0 \\ f^{j1,3}(T_0 \rightarrow T_1) \succ 0 \\ f^{j1,3}(T_0 \rightarrow T_2) \succ 0 \\ f^{j1,3}(T_4 \rightarrow T_2) \succ 0 \\ f^{j1,3}(T_1 \rightarrow T_2) \succ 0 \\ f^{j1,3}(T_4 \rightarrow T_1) \succ 0 \\ f^{j1,3}(T_4 \rightarrow T_0) \succ 0 \\ f^{j1,3}(T_3 \rightarrow T_1) \succ 0 \\ f^{j1,3}(T_4 \rightarrow T_3) \succ 0 \\ f^{j1,3}(T_3 \rightarrow T_0) \succ 0 \end{array} \right. \quad (35)$$

$$\left\{ \begin{array}{l} f^{j1,3}(T_2 \rightarrow T_3) \succ 0 \\ f^{j1,3}(T_1 \rightarrow T_0) \succ 0 \\ f^{j1,3}(T_2 \rightarrow T_0) \succ 0 \\ f^{j1,3}(T_2 \rightarrow T_4) \succ 0 \\ f^{j1,3}(T_2 \rightarrow T_1) \succ 0 \\ f^{j2,3}(T_1 \rightarrow T_4) \succ 0 \\ f^{j2,3}(T_0 \rightarrow T_4) \succ 0 \\ f^{j2,3}(T_1 \rightarrow T_3) \succ 0 \\ f^{j2,3}(T_3 \rightarrow T_4) \succ 0 \\ f^{j2,3}(T_0 \rightarrow T_3) \succ 0 \\ f^{j2,3}(T_3 \rightarrow T_2) \succ 0 \end{array} \right. \quad (36)$$

$$\left\{ \begin{array}{l} f^{j2,3}(T_0 \rightarrow T_1) \succ 0 \\ f^{j2,3}(T_0 \rightarrow T_2) \succ 0 \\ f^{j2,3}(T_4 \rightarrow T_2) \succ 0 \\ f^{j2,3}(T_1 \rightarrow T_2) \succ 0 \\ f^{j2,3}(T_4 \rightarrow T_1) \succ 0 \\ f^{j2,3}(T_4 \rightarrow T_0) \succ 0 \\ f^{j2,3}(T_3 \rightarrow T_1) \succ 0 \\ f^{j2,3}(T_4 \rightarrow T_3) \succ 0 \\ f^{j2,3}(T_3 \rightarrow T_0) \succ 0 \\ f^{j2,3}(T_2 \rightarrow T_3) \succ 0 \\ f^{j2,3}(T_1 \rightarrow T_0) \succ 0 \end{array} \right. \quad (37)$$

$$\left\{ \begin{array}{l} f^{j2,3}(T_2 \rightarrow T_0) \succ 0 \\ f^{j2,3}(T_2 \rightarrow T_4) \succ 0 \\ f^{j2,3}(T_2 \rightarrow T_1) \succ 0 \\ y_0^0 \in \{0, 1\} \\ y_1^0 \in \{0, 1\} \\ y_2^0 \in \{0, 1\} \\ y_3^0 \in \{0, 1\} \\ y_4^0 \in \{0, 1\} \\ y_0^1 \in \{0, 1\} \\ y_1^1 \in \{0, 1\} \\ y_2^1 \in \{0, 1\} \end{array} \right. \quad (38)$$

$$\left\{ \begin{array}{l} y_3^1 \in \{0, 1\} \\ y_1^3 \in \{0, 1\} \\ y_0^3 \in \{0, 1\} \\ y_1^4 \in \{0, 1\} \\ y_2^4 \in \{0, 1\} \\ y_3^4 \in \{0, 1\} \\ y_0^5 \in \{0, 1\} \\ y_1^5 \in \{0, 1\} \\ y_2^5 \in \{0, 1\} \\ y_3^5 \in \{0, 1\} \end{array} \right. \quad (39)$$

$$\left\{ \begin{array}{l} y_1^3 \in \{0, 1\} \\ x_{0,0} \in \{0, 1\} \\ x_{0,1} \in \{0, 1\} \\ x_{0,1} \in \{0, 1\} \\ x_{0,2} \in \{0, 1\} \\ x_{0,3} \in \{0, 1\} \\ x_{0,4} \in \{0, 1\} \\ x_{1,0} \in \{0, 1\} \\ x_{1,1} \in \{0, 1\} \\ x_{1,2} \in \{0, 1\} \\ x_{1,3} \in \{0, 1\} \\ x_{1,4} \in \{0, 1\} \end{array} \right. \quad (40)$$

$$\left\{ \begin{array}{l} x_{2,0} \in \{0, 1\} \\ x_{2,1} \in \{0, 1\} \\ x_{2,1} \in \{0, 1\} \\ x_{2,1} \in \{0, 1\} \\ x_{2,3} \in \{0, 1\} \\ x_{2,4} \in \{0, 1\} \\ x_{3,0} \in \{0, 1\} \\ x_{3,1} \in \{0, 1\} \\ x_{3,1} \in \{0, 1\} \\ x_{3,2} \in \{0, 1\} \\ x_{3,3} \in \{0, 1\} \\ x_{3,4} \in \{0, 1\} \\ x_{4,0} \in \{0, 1\} \end{array} \right. \quad (41)$$

$$\left\{ \begin{array}{l} x_{4,1} \in \{0, 1\} \\ x_{4,1} \in \{0, 1\} \\ x_{4,2} \in \{0, 1\} \\ x_{4,3} \in \{0, 1\} \\ x_{4,4} \in \{0, 1\} \\ x_{0,0} \in \{0, 1\} \\ x_{0,2} \in \{0, 1\} \\ x_{0,2} \in \{0, 1\} \\ x_{0,2} \in \{0, 1\} \\ x_{0,3} \in \{0, 1\} \\ x_{0,3} \in \{0, 1\} \\ x_{0,4} \in \{0, 1\} \\ x_{1,0} \in \{0, 1\} \\ x_{1,1} \in \{0, 1\} \end{array} \right. \quad (42)$$

$$\left\{ \begin{array}{l} x_{1,2} \in \{0, 1\} \\ x_{1,2} \in \{0, 1\} \\ x_{1,2} \in \{0, 1\} \\ x_{1,4} \in \{0, 1\} \\ x_{2,0} \in \{0, 1\} \\ x_{2,1} \in \{0, 1\} \\ x_{2,2} \in \{0, 1\} \\ x_{2,2} \in \{0, 1\} \\ x_{2,3} \in \{0, 1\} \\ x_{2,4} \in \{0, 1\} \\ x_{2,4} \in \{0, 1\} \\ x_{3,0} \in \{0, 1\} \\ x_{3,1} \in \{0, 1\} \\ x_{3,2} \in \{0, 1\} \end{array} \right. \quad (43)$$

$$\left\{ \begin{array}{l} x_{3,3} \in \{0, 1\} \\ x_{3,4} \in \{0, 1\} \\ x_{4,0} \in \{0, 1\} \\ x_{4,1} \in \{0, 1\} \\ x_{4,2} \in \{0, 1\} \\ x_{4,2} \in \{0, 1\} \\ x_{4,3} \in \{0, 1\} \\ x_{4,4} \in \{0, 1\} \\ x_{4,4} \in \{0, 1\} \\ x_{0,0} \in \{0, 1\} \\ x_{1,3} \in \{0, 1\} \\ x_{1,3} \in \{0, 1\} \\ x_{1,3} \in \{0, 1\} \\ x_{0,3} \in \{0, 1\} \end{array} \right. \quad (44)$$

$$\left\{ \begin{array}{l} x_{0,4}^{1,3} \in \{0,1\} \\ x_{1,0}^{1,3} \in \{0,1\} \\ x_{1,1}^{1,3} \in \{0,1\} \\ x_{1,2}^{1,3} \in \{0,1\} \\ x_{1,3}^{1,3} \in \{0,1\} \\ x_{1,4}^{1,3} \in \{0,1\} \\ x_{2,0}^{1,3} \in \{0,1\} \\ x_{2,1}^{1,3} \in \{0,1\} \\ x_{2,2}^{1,3} \in \{0,1\} \\ x_{2,3}^{1,3} \in \{0,1\} \\ x_{2,4}^{1,3} \in \{0,1\} \end{array} \right. \quad (45)$$

$$\left\{ \begin{array}{l} x_{3,0}^{1,3} \in \{0,1\} \\ x_{3,1}^{1,3} \in \{0,1\} \\ x_{3,2}^{1,3} \in \{0,1\} \\ x_{3,3}^{1,3} \in \{0,1\} \\ x_{3,4}^{1,3} \in \{0,1\} \\ x_{4,0}^{1,3} \in \{0,1\} \\ x_{4,1}^{1,3} \in \{0,1\} \\ x_{4,2}^{1,3} \in \{0,1\} \\ x_{4,3}^{1,3} \in \{0,1\} \\ x_{4,4}^{1,3} \in \{0,1\} \\ x_{0,0} \in \{0,1\} \end{array} \right. \quad (46)$$

$$\left\{ \begin{array}{l} x_{0,1}^{2,3} \in \{0,1\} \\ x_{0,2}^{2,3} \in \{0,1\} \\ x_{0,3}^{2,3} \in \{0,1\} \\ x_{0,4}^{2,3} \in \{0,1\} \\ x_{1,0}^{2,3} \in \{0,1\} \\ x_{1,1}^{2,3} \in \{0,1\} \\ x_{1,2}^{2,3} \in \{0,1\} \\ x_{1,3}^{2,3} \in \{0,1\} \\ x_{1,4}^{2,3} \in \{0,1\} \\ x_{2,0}^{2,3} \in \{0,1\} \\ x_{2,1}^{2,3} \in \{0,1\} \end{array} \right. \quad (47)$$

$$\left\{ \begin{array}{l} x_{2,2}^{2,3} \in \{0,1\} \\ x_{2,3}^{2,3} \in \{0,1\} \\ x_{2,4}^{2,3} \in \{0,1\} \\ x_{3,0}^{2,3} \in \{0,1\} \\ x_{3,1}^{2,3} \in \{0,1\} \\ x_{3,2}^{2,3} \in \{0,1\} \\ x_{3,3}^{2,3} \in \{0,1\} \\ x_{3,4}^{2,3} \in \{0,1\} \\ x_{4,0}^{2,3} \in \{0,1\} \\ x_{4,1}^{2,3} \in \{0,1\} \\ x_{4,2}^{2,3} \in \{0,1\} \end{array} \right. \quad (48)$$

$$\left\{ \begin{array}{l} x_{4,3}^{2,3} \in \{0,1\} \\ x_{4,4}^{2,3} \in \{0,1\} \end{array} \right. \quad (49)$$