

$$\begin{aligned}
x_{1,3}^1 - x_{2,1}^1 &= -2 \\
x_{2,1}^1 + x_{2,6}^1 &= 9 \\
x_{3,4}^1 + x_{3,6}^1 - x_{1,3}^1 &= 9 \\
x_{4,6}^1 - x_{3,4}^1 - x_{5,4}^1 &= -2 \\
x_{5,4}^1 - x_{6,5}^1 &= -2 \\
x_{6,5}^1 - x_{2,6}^1 - x_{3,6}^1 - x_{4,6}^1 &= -12
\end{aligned}$$

$$\begin{aligned}
x_{1,3}^2 + x_{1,4}^2 + x_{1,5}^2 + x_{1,6}^2 &= 15 \\
x_{2,6}^2 - x_{3,2}^2 &= 0 \\
x_{3,2}^2 + x_{3,4}^2 - x_{1,3}^2 &= 4 \\
x_{4,6}^2 - x_{1,4}^2 - x_{3,4}^2 &= -7 \\
-x_{1,5}^2 &= -2 \\
-x_{1,6}^2 - x_{2,6}^2 - x_{4,6}^2 &= -10
\end{aligned}$$

$$\begin{aligned}
x_{1,3}^3 + x_{1,5}^3 - x_{2,1}^3 &= 11 \\
x_{2,1}^3 + x_{2,6}^3 - x_{5,2}^3 &= 0 \\
-x_{1,3}^3 &= -4 \\
x_{4,6}^3 - x_{5,4}^3 &= 5 \\
x_{5,2}^3 + x_{5,4}^3 - x_{1,5}^3 - x_{6,5}^3 &= -4 \\
x_{6,5}^3 - x_{2,6}^3 - x_{4,6}^3 &= -8
\end{aligned}$$

$$\begin{aligned}
3x_{1,3}^1 + 3x_{1,3}^2 + 4x_{1,3}^3 + 4x_{1,4}^2 + 9x_{1,5}^2 + 3x_{1,5}^3 + 6x_{2,1}^1 + 3x_{2,1}^3 + 5x_{2,6}^1 + 5x_{2,6}^2 + 6x_{2,6}^3 + \\
4x_{3,2}^2 + 2x_{3,4}^1 + 5x_{3,4}^2 + 4x_{4,6}^1 + 10x_{4,6}^2 + 2x_{4,6}^3 + 2x_{5,2}^3 + 9x_{5,4}^1 + 5x_{5,4}^3 + 7x_{6,5}^1 + 8x_{6,5}^3 = \\
948
\end{aligned}$$

$$\begin{aligned}
5x_{1,3}^1 + 6x_{1,3}^2 + x_{1,3}^3 + 6x_{1,4}^2 + 6x_{1,5}^2 + 10x_{1,5}^3 + 3x_{1,6}^2 + 5x_{2,1}^1 + 3x_{2,1}^3 + 4x_{2,6}^1 + \\
5x_{2,6}^2 + 9x_{2,6}^3 + 5x_{3,2}^2 + 8x_{3,4}^1 + 10x_{3,4}^2 + x_{3,6}^1 + x_{4,6}^1 + 5x_{4,6}^2 + 9x_{4,6}^3 + 7x_{5,2}^3 + \\
7x_{5,4}^1 + 2x_{5,4}^3 + 5x_{6,5}^1 + 5x_{6,5}^3 = 631
\end{aligned}$$

$$\begin{aligned}
x_{1,3}^2 + 2x_{1,3}^3 + 7x_{1,4}^2 + 7x_{1,5}^2 + 8x_{1,5}^3 + 6x_{1,6}^2 + 8x_{2,1}^1 + 10x_{2,1}^3 + 5x_{2,6}^1 + 10x_{2,6}^2 + 4x_{2,6}^3 + \\
5x_{3,2}^2 + 7x_{3,4}^1 + 3x_{3,4}^2 + x_{3,6}^1 + 7x_{4,6}^1 + x_{4,6}^2 + x_{4,6}^3 + 9x_{5,2}^3 + 5x_{5,4}^1 + 7x_{5,4}^3 + 2x_{6,5}^1 + 2x_{6,5}^3 = \\
590
\end{aligned}$$

$$\begin{aligned}
x_{1,3}^1 + x_{1,3}^2 + x_{1,3}^3 &= 10 \\
x_{5,4}^1 + x_{5,4}^3 &= 7
\end{aligned}$$

$(i, j)$	$k$	$U^k$	$U_1^k$	$U_0$	$K(i, j)$	$K_1(i, j)$	$K_0(i, j)$
(1, 3)	1	+		+	{1,2,3}	$\emptyset$	{1,2,3}
	2	+					
	3	+					
(1, 4)	1				{2}	$\emptyset$	
	2	+					
	3						
(1, 5)	1				{2,3}	$\emptyset$	
	2	+					
	3	+					
(1, 6)	1				{2}	$\emptyset$	
	2	+					
	3						
(2, 1)	1	+			{1,3}	$\emptyset$	
	2						
	3	+					
(2, 6)	1	+			{1,2,3}	$\emptyset$	
	2	+					
	3	+					
(3, 2)	1				{2}	$\emptyset$	
	2	+					
	3						
(3, 4)	1	+			{1,2}	$\emptyset$	
	2	+					
	3						
(3, 6)	1	+			{1}	$\emptyset$	
	2						
	3						
(4, 6)	1	+			{1,2,3}	$\emptyset$	
	2	+					
	3	+					
(5, 2)	1				{3}	$\emptyset$	
	2						
	3	+					
(5, 4)	1	+		+	{1,3}	$\emptyset$	{1,3}
	2						
	3	+					
(6, 5)	1	+			{1,3}	$\emptyset$	
	2						
	3	+					

