$$\begin{bmatrix} a_{\ 1,1} \overset{f_1}{\to} a_{1,2} \overset{f_2}{\to} a_{1,3} \ldots \overset{f_{\frac{t}{2}-1}}{\to} a_{1,\frac{t}{2}} \overset{f_{\frac{t}{2}}}{\to} a_{1,(\frac{t}{2}+1)} \ldots \overset{f_{t-1}}{\to} a_{1,t} \\ a_{2,1} \overset{f_1}{\to} a_{2,2} \overset{f_2}{\to} a_{2,3} \ldots \overset{f_{\frac{t}{2}-1}}{\to} a_{2,\frac{t}{2}} \overset{f_{\frac{t}{2}}}{\to} a_{2,(\frac{t}{2}+1)} \ldots \overset{f_{t-1}}{\to} a_{2,t} \\ \ldots \\ a_{m,1} \overset{f_1}{\to} a_{m,2} \overset{f_2}{\to} a_{m,3} \ldots \overset{f_{\frac{t}{2}-1}}{\to} a_{m,\frac{t}{2}} \overset{f_{\frac{t}{2}}}{\to} a_{m,(\frac{t}{2}+1)} \ldots \overset{f_{t-1}}{\to} a_{m,t} \end{bmatrix}$$

$$\begin{bmatrix} a_{1,1} \overset{f_0}{\to} a_{1,2} \overset{f_0}{\to} a_{1,3} \ldots \overset{f_0}{\to} a_{1,\frac{t}{2}} \overset{f_{\frac{t}{2}}}{\to} a_{1,(\frac{t}{2}+1)} \ldots \overset{f_{t-1}}{\to} a_{1,t} \\ a_{2,1} \overset{f_0}{\to} a_{2,2} \overset{f_0}{\to} a_{2,3} \ldots \overset{f_0}{\to} a_{2,\frac{t}{2}} \overset{f_{\frac{t}{2}}}{\to} a_{2,(\frac{t}{2}+1)} \ldots \overset{f_{t-1}}{\to} a_{2,t} \\ \ldots \\ a_{m,1} \overset{f_0}{\to} a_{m,2} \overset{f_0}{\to} a_{m,3} \ldots \overset{f_0}{\to} a_{m,\frac{t}{2}} \overset{f_{\frac{t}{2}}}{\to} a_{m,(\frac{t}{2}+1)} \ldots \overset{f_{t-1}}{\to} a_{m,t} \end{bmatrix}$$

$$\begin{bmatrix} a_{\ 1,1} \overset{f_1}{\to} a_{1,2} \overset{f_2}{\to} a_{1,3} \ldots \overset{f_{\frac{t}{2}-1}}{\to} a_{1,\frac{t}{2}} \overset{f_0}{\to} a_{1,(\frac{t}{2}+1)} \ldots \overset{f_0}{\to} a_{1,t} \\ a_{2,1} \overset{f_1}{\to} a_{2,2} \overset{f_2}{\to} a_{2,3} \ldots \overset{f_{\frac{t}{2}-1}}{\to} a_{2,\frac{t}{2}} \overset{f_0}{\to} a_{2,(\frac{t}{2}+1)} \ldots \overset{f_0}{\to} a_{2,t} \\ \ldots \\ a_{m,1} \overset{f_1}{\to} a_{m,2} \overset{f_2}{\to} a_{m,3} \ldots \overset{f_{\frac{t}{2}-1}}{\to} a_{m,\frac{t}{2}} \overset{f_0}{\to} a_{m,(\frac{t}{2}+1)} \ldots \overset{f_0}{\to} a_{m,t} \end{bmatrix}$$