

$$\begin{array}{c}
 \begin{array}{c}
 \text{b} \quad \text{d} \quad \text{f} \quad \text{a} \\
 \vdots \quad \vdots \quad \vdots \quad \vdots \\
 \text{d} \quad \text{b} \quad \text{a} \quad \text{e}
 \end{array}
 \end{array}
 \begin{array}{c}
 \text{other} \\
 \text{routes}
 \end{array}
 \begin{array}{c}
 \text{flow on} \\
 \text{routes:}
 \end{array}
 \begin{array}{c}
 \text{flow on} \\
 \text{roads:}
 \end{array}$$

$$\begin{array}{c}
 \text{ab} \\
 \text{ba} \\
 \text{ad} \\
 \text{da} \\
 \vdots \\
 \text{other roads}
 \end{array}
 \begin{bmatrix}
 0 & 1 & 0 & 1 & \dots \\
 1 & 0 & 1 & 0 & \dots \\
 1 & 0 & 0 & 0 & \dots \\
 0 & 1 & 0 & 0 & \dots \\
 \vdots & \vdots & \vdots & \vdots & \ddots
 \end{bmatrix}
 \times
 \begin{array}{c}
 \text{b} \dashrightarrow \text{d} \\
 \text{d} \dashrightarrow \text{b} \\
 \text{f} \dashrightarrow \text{a} \\
 \text{a} \dashrightarrow \text{e} \\
 \vdots
 \end{array}
 \begin{bmatrix}
 0.5 \\
 1.2 \\
 0.8 \\
 0.3 \\
 \vdots
 \end{bmatrix}
 =
 \begin{array}{c}
 \text{ab} \\
 \text{ba} \\
 \text{ad} \\
 \text{da} \\
 \vdots
 \end{array}
 \begin{bmatrix}
 1.5 \\
 1.3 \\
 1.2 \\
 0.5 \\
 \vdots
 \end{bmatrix}$$