$$A = \begin{pmatrix} a_{11} & a_{15} \\ \vdots & \vdots \\ a_{m1} & a_{mn} \end{pmatrix} \in M_{myn}(\mathbb{R}) \quad \text{in } \sum_{\substack{i,j>3 \\ i\neq j}} a_{ij}$$

$$A = \begin{pmatrix} 1 & 2 & 3 \\ 4 & 5 & 6 \end{pmatrix}$$

$$SIC \qquad A = \begin{pmatrix} 1 & 4 \\ 2 & 6 \\ 3 & 6 \end{pmatrix}$$

$$SIC \qquad A = \begin{pmatrix} 1 & 4 \\ 2 & 6 \\ 3 & 6 \end{pmatrix}$$

$$(BA)^{t} = A \cdot B^{t}$$

$$B = \begin{pmatrix} b_{11} & \cdots & b_{1m} \\ \vdots & \vdots & \ddots & \vdots \\ b_{11} & \cdots & b_{1m} \end{pmatrix} \qquad A = \begin{pmatrix} a_{11} & \cdots & a_{1m} \\ \vdots & \ddots & \ddots & \vdots \\ a_{m1} & \cdots & a_{mm} \end{pmatrix} \qquad \vdots \quad |NoJ|$$

$$((\beta A)^t)_{ij} = (\beta A)_{ji} = \sum_{n=1}^{N} b_{ji} \cdot a_{ni}$$

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