

M_u M_v M_{uv}

$$\max \left(\begin{array}{|c|} \hline 1 \\ \hline \end{array} , \begin{array}{|c|} \hline 2 \\ \hline \end{array} \right) = \begin{array}{|c|} \hline 2 \\ \hline \end{array}$$

$$\max \left(\begin{array}{|c|} \hline 3 \\ \hline \end{array} , \begin{array}{|c|} \hline 0 \\ \hline \end{array} \right) = \begin{array}{|c|} \hline 3 \\ \hline \end{array}$$

$$\max \left(\begin{array}{|c|} \hline 0 \\ \hline \end{array} , \begin{array}{|c|} \hline 1 \\ \hline \end{array} \right) = \begin{array}{|c|} \hline 1 \\ \hline \end{array}$$

$$\max \left(\begin{array}{|c|} \hline 1 \\ \hline \end{array} , \begin{array}{|c|} \hline 0 \\ \hline \end{array} \right) = \begin{array}{|c|} \hline 1 \\ \hline \end{array}$$