

$$\left[\begin{array}{cccc}
 n_x(n_y - 1) & n_x(n_y - 1) + 1 & \cdots & n_x n_y - 1 \\
 \vdots & \vdots & \ddots & \vdots \\
 2n_x & 2n_x + 1 & \cdots & 3n_x - 1 \\
 n_x & n_x + 1 & \cdots & 2n_x - 1 \\
 0 & 1 & \cdots & n_x - 1
 \end{array} \right]$$