

1D array distribution

$$P_0 \begin{bmatrix} a_0 \\ a_1 \\ a_2 \end{bmatrix}$$

$$P_1 \begin{bmatrix} a_3 \\ a_4 \\ a_5 \end{bmatrix}$$

$$P_2 \begin{bmatrix} a_6 \\ a_7 \\ a_8 \end{bmatrix}$$

2D array distribution

$$P_0 \begin{bmatrix} a_{00} & a_{01} \\ a_{10} & a_{11} \\ a_{20} & a_{21} \end{bmatrix}$$

$$P_1 \begin{bmatrix} a_{30} & a_{31} \\ a_{40} & a_{41} \\ a_{50} & a_{51} \end{bmatrix}$$

$$P_2 \begin{bmatrix} a_{60} & a_{61} \\ a_{70} & a_{71} \\ a_{80} & a_{81} \end{bmatrix}$$