

$$\begin{bmatrix} \bullet & \bullet \\ \bullet & \bullet \end{bmatrix} \sqcup \begin{bmatrix} \bullet & \bullet \\ \bullet & \bullet \end{bmatrix} = \begin{bmatrix} \bullet & \bullet & \bullet & \bullet \\ \bullet & \bullet & \bullet & \bullet \end{bmatrix}$$

$$\begin{bmatrix} \bullet & \bullet \\ \bullet & \bullet \end{bmatrix} \sqcup \begin{bmatrix} \bullet & \bullet \\ \bullet & \bullet \end{bmatrix} = \begin{bmatrix} \bullet & \bullet & \bullet & \bullet \\ \bullet & \bullet & \bullet & \bullet \end{bmatrix}$$