

$$\Omega_0 = B = \left\{ \begin{array}{l} (1,4), (1,5), (2,4), (2,5), (3,4), (3,5) \\ (4,4), (4,5), (5,4), (5,5), (6,4), (6,5) \end{array} \right\}$$

$$A \cap \Omega_0 = A \cap B = \left\{ \begin{array}{l} (1,5), (2,4), (2,5) \\ (3,4), (3,5), (4,4) \end{array} \right\}$$