

$$\Omega = \left\{ \begin{array}{cccc} (1, 1) & (1, 2) & \dots & (1, 6) \\ (2, 1) & (2, 2) & \dots & (2, 6) \\ \vdots & & & \vdots \\ (6, 1) & (6, 2) & \dots & (6, 6) \end{array} \right\}$$

Diagram illustrating a set Ω of ordered pairs (i, j) where $i, j \in \{1, 2, \dots, 6\}$. The set is represented as a 6x6 grid of pairs. A dashed blue rectangle highlights the entire grid. A solid black parallelogram highlights a subset of the grid, specifically the pairs (i, j) where $i \equiv j \pmod{5}$ (i.e., $(1, 1), (2, 2), \dots, (6, 6)$). An arrow labeled A points to the pair $(2, 2)$. An arrow labeled B points to the pair $(6, 2)$.