Graphs

Definition

The **complete graph** K_n is the graph with n vertices where every pair of different vertices is connected by an edge (Also called a **clique**).

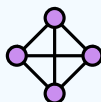### Example

The cliques $K_1, \ldots, K_6$:

$K_1 \qquad K_2 \qquad K_3 \qquad K_4 \qquad K_5 \qquad K_6$