

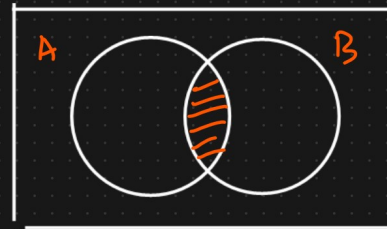
① Sets

$$A = \{1, 2, 3, 4, 5, 6, 7, 8\}$$

$$B = \{3, 4, 5, 6, 7\}$$

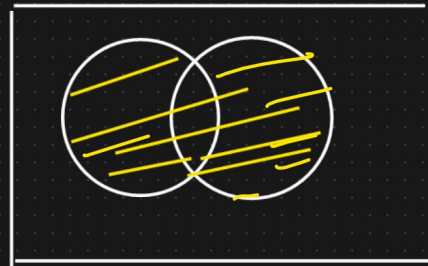
① Intersection

$$A \cap B = \{3, 4, 5, 6, 7\}$$



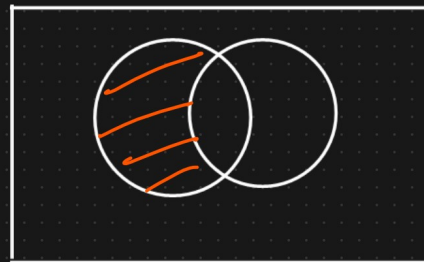
② Union

$$A \cup B = \{1, 2, 3, 4, 5, 6, 7, 8\}$$



③ Difference

$$A - B = \{1, 2, 8\}$$



④ Subset

$$A \rightarrow B \Rightarrow \text{False}$$

$$B \rightarrow A \Rightarrow \text{True}$$

⑤ Superset

$$A \rightarrow B \Rightarrow \text{True}$$

$$B \rightarrow A \Rightarrow \text{False}$$