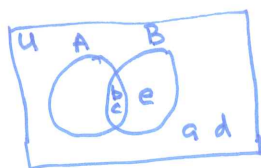


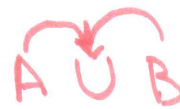
Chap 2

① $A \cup B'$ ← NOT



$$= \{b, c\} \cup \{a, d\} = \{a, b, c, d\}$$

U



all in the cup

② $A' \cap B' = \{a, d, e\} \cap \{a, d\} = \{a, d\}$

③ $(A \cap B)' = \{b, c\}' = \{a, d, e\}$

④ $(A \cup B)' = \{b, c, e\}' = \{a, d\}$

⑤ $\{5\}$

⑥ $\{5\}' = \{1, 2, 3, 7, 11, 13, 17, 19\}$

⑦ $\{1, 2, 3, 5, 7, 11, 13\}$

⑧ $(A \cup B)' = \{17, 19\}$

⑨ $A' \cup B = \{7, 11, 13, 17, 19\} \cup \{5, 7, 11, 13\}$
 $= \{5, 7, 11, 13, 17, 19\}$

⑩ $A \cap B' = \{1, 2, 3, 5\} \cap \{1, 2, 3, 17, 19\} = \{1, 2, 3\}$

⑪ $A' = \{7, 11, 13, 17, 19\}$