

$$\boxed{A \subsetneq B}$$

$$A = \{1, 2\}$$

$$B \subseteq A$$

$$1^\circ \text{ 当 } B = \emptyset \text{ 时}$$

$$x^2 - mx + 2 = 0 \text{ 无解}$$

$$\Delta < 0$$

$$-2\sqrt{2} < m < 2\sqrt{2}$$

$$2^\circ \text{ 当 } B \neq \emptyset \text{ 时}$$

$$x^2 - mx + 2 = 0 \text{ 有解}$$

$$\text{若 } \Delta = 0 \text{ 则 } m = \pm 2\sqrt{2}$$

$$B = \{\sqrt{2}\} \text{ 或 } \{-\sqrt{2}\} \not\subseteq A$$

$$\text{若 } \Delta > 0 \text{ 则 } m < -2\sqrt{2} \text{ 或 } m > 2\sqrt{2}$$

$$B = A$$

$$\therefore x^2 - mx + 2 = 0 \text{ 两根 } x=1 \text{ 或 } x=2$$

$$P = \{x \mid x = 2k, k \in \mathbb{Z}\}$$

$$Q = \{x \mid x = 4k + 2, k \in \mathbb{Z}\}$$

$$= 2(2k+1)$$

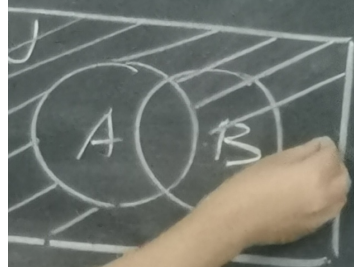


my  
并:  
 $(C \cup A) \cap (C \cup B)$

$$C \cup A = \{2, 5, 6, 7, 8, 9\}$$

$$C \cup B = \{1, 2, 4, 8, 9\}$$

摩根定律 (4)  $(C \cup A) \cap (C \cup B) = \{1, 2, 4, 5, 6, 7, 8, 9\}$



$$\begin{aligned} C \cup (A \cap B) &= (C \cup A) \cap (C \cup B) \\ C \cup (A \cup B) &= (C \cup A) \cup (C \cup B) \end{aligned}$$