

Esercizi 1 settimana 22/09/2020

$$\textcircled{2} A = \{0, 1\} \quad B = \{2, 3\}$$

$$A \cup B = \{0, 1, 2, 3\}$$

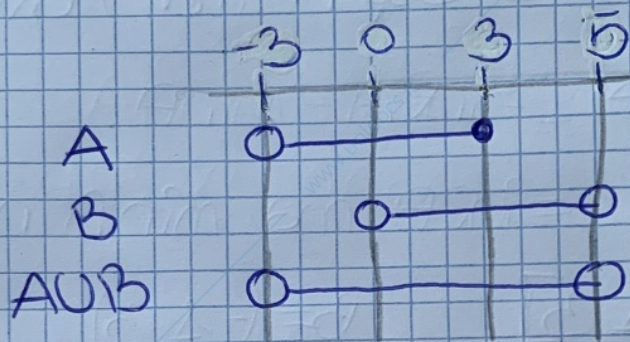
$$A \cap B = \emptyset$$

$$A \setminus B = \{0, 1\}$$

$$B \setminus A = \{2, 3\}$$

$$\textcircled{4} X = A \cup B \quad \text{con } A = (-3, 3] \text{ e } B = (0, 5)$$

$$X = (-3, 5)$$

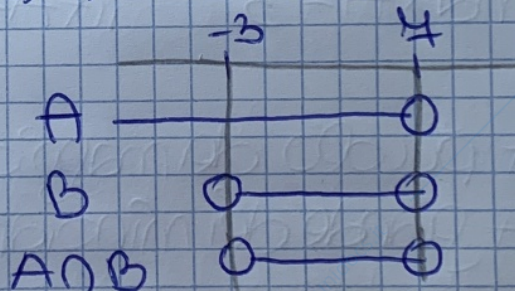


$$\textcircled{6} X = A \cap B \quad \text{con } A = (-\infty, 4) \text{ e } B = (-3, 4)$$

$$X = (-3, 4)$$

coincide con l'insieme B

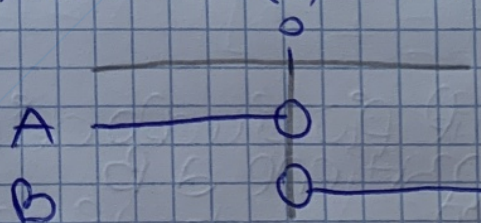
$$A \cap B = B = (-3, 4)$$



$$\textcircled{10} X = (A \cup B)^c \quad \text{con } A = (-\infty, 0) \text{ e } B = (0, +\infty)$$

$$A \cup B = (-\infty, +\infty)$$

$$X = (A \cup B)^c = \emptyset$$



$$\textcircled{15} A = \{-1, 1\} \quad B = \{0, 1\}$$

$$A \times B = \{(-1, 0), (-1, 1), (1, 0), (1, 1)\}$$

$$B \times A = \{(0, -1), (0, 1), (1, -1), (1, 1)\}$$

$$A \neq B \rightarrow A \times B \neq B \times A$$