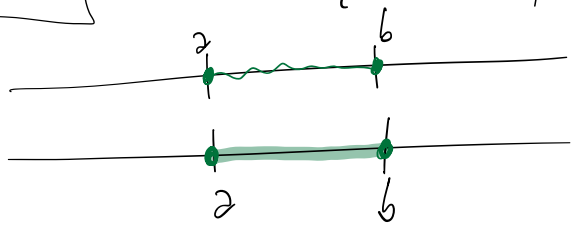
Ensembles

$$\mathbb{Z} = \{ \dots ; -1 ; 0 ; 1 ; 2 ; \dots \}$$

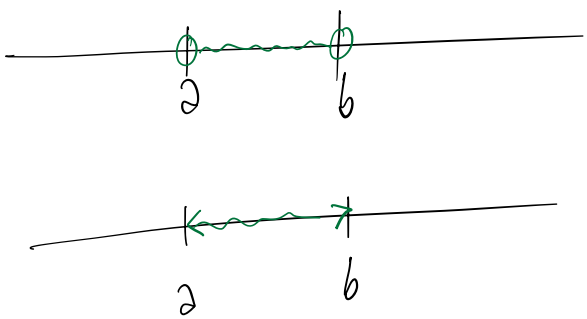
$$\mathbb{P} = \{ p \in \mathbb{Z} \mid p \text{ premier} \}$$

Intervalle

$$I = \{ x \in \mathbb{R} \mid a \leq x \leq b \} = [a ; b]$$

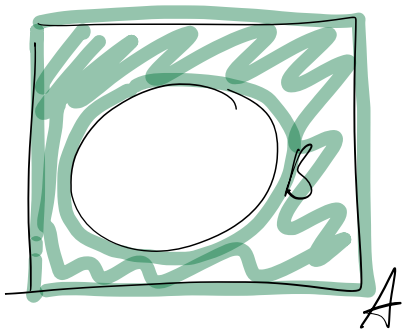


$$]a ; b[= \{ x \in \mathbb{R} \mid a < x < b \}$$

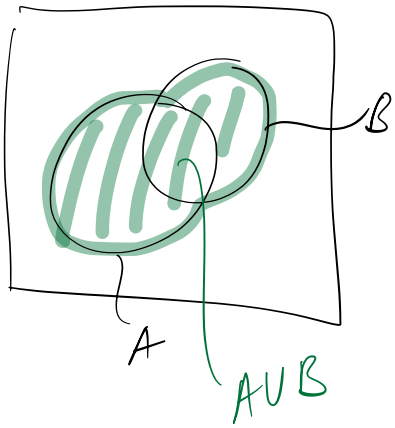


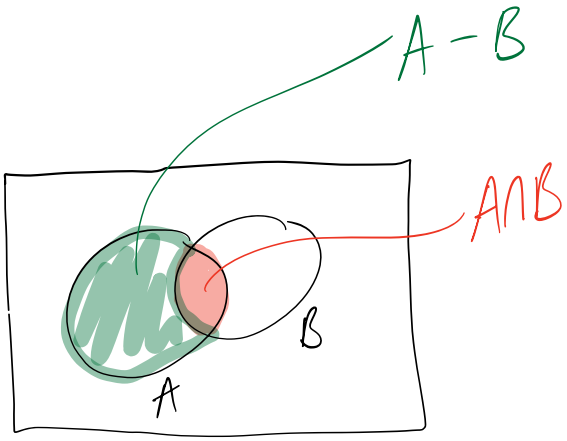
$$]a ; b] =$$

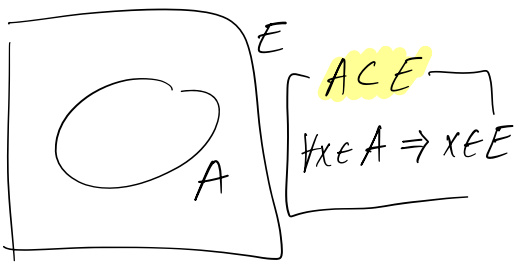
$$[a ; b[=$$



C_A^B







Soit $x \in \mathbb{R}$ et $y \in \mathbb{N}$

$x = 0 \in \mathbb{R}$

$y = 0 \in \mathbb{N}$

$\mathbb{N} = \{0; 1; 2; 3; \dots\}$ entiers naturels

$\cap$

$\mathbb{Z} = \{0; \pm 1; \pm 2; \pm 3; \pm 4; \dots\}$ entiers relatifs

$\cap$

$\mathbb{Q}$ fractions

$\cap$

$\mathbb{R}$ nombres réels

$\cap$

$\mathbb{C}$ nombres complexes

⚠ Corrigé faux : 3.2.2 d) $|x+3| \leq 2$ $x \in \mathbb{Z}$

$\Leftrightarrow x \in \{-5; -4; -3; -2; -1\}$

$A \subseteq E \Leftrightarrow A \subset E$

⚠ 3.2.5 $A \cup B = \{1; 2; 3; 4; 5; 6\}$

$\{x \in \mathbb{R} \mid x < 5\} =]-\infty ; 5[$

$\{x \in \mathbb{R} \mid x \geq -1\} = [-1 ; +\infty[$