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RP: 2252740

Intervalos em \mathbb{N}

Família de subconjuntos de um conjunto onde seus elementos são conjuntos.

$0, 1 \in \mathbb{N}$

Intervalo Aberto

$$\{x \mid a < x < b\} = (a, b) =]a, b[$$

$$(1, 2); (3, 10); (2, 1)$$

Intervalo Fechado

$$\{x \mid a \leq x \leq b\} = [a, b]$$

$$[1, 2]; [-100, 0]; [0, 5]$$

Intervalo Fechado à Direita e Aberto à Esquerda.

$$\{x \mid a < x \leq b\} = (a, b] =]a, b]$$

$$]1, 2]; [0, 1]; [-10, -5]$$

Intervalo aberto é digitado com FOLHA DO
a O SQUEN DO

$$\{x \mid a \leq x < b\} = [a, b) = [a, b[$$

$$[1, 10[; [0, 5); [2, 3)$$

Intervalos Infinitos

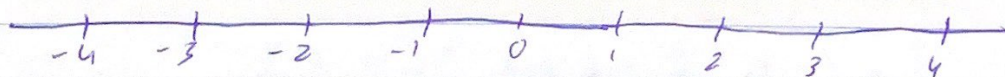
$$\{x \mid x > a\} = (a, +\infty) =]a, +\infty[$$

$$\{x \mid x < b\} = (-\infty, b) =]-\infty, b[$$

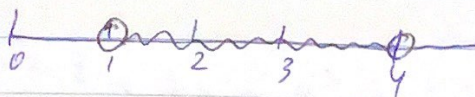
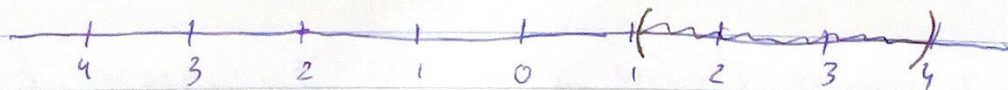
$$\{x \mid x \leq b\} = (-\infty, b] =]-\infty, b]$$

$$\{x \mid x \geq a\} = [a, +\infty) = [a, +\infty[$$

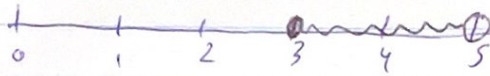
Representação Gráfica



$(1, 4)$



$$[3, 5)$$



$$(-2, +\infty)$$



$$[0, +\infty)$$

