

CLASSIFICAZIONE

ALGEBRICHE

TRASCENDENTE

RA2

INT FR

$$y = x^2 - 3x + 1$$

D: $\forall x \in \mathbb{R}$



$$y = \frac{x-1}{x-2}$$

den $\neq 0$

$x \neq 2$

$\forall x \in \mathbb{R} - \{2\}$



IRR

INT FR

ind. par.

$$y = \sqrt{x-3}$$

$$x-3 \geq 0$$

$$x \geq 3$$

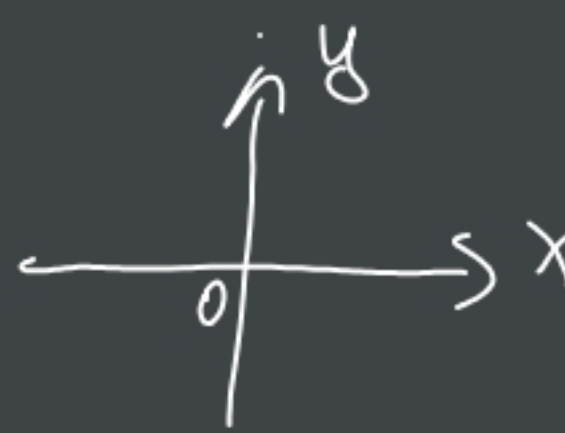
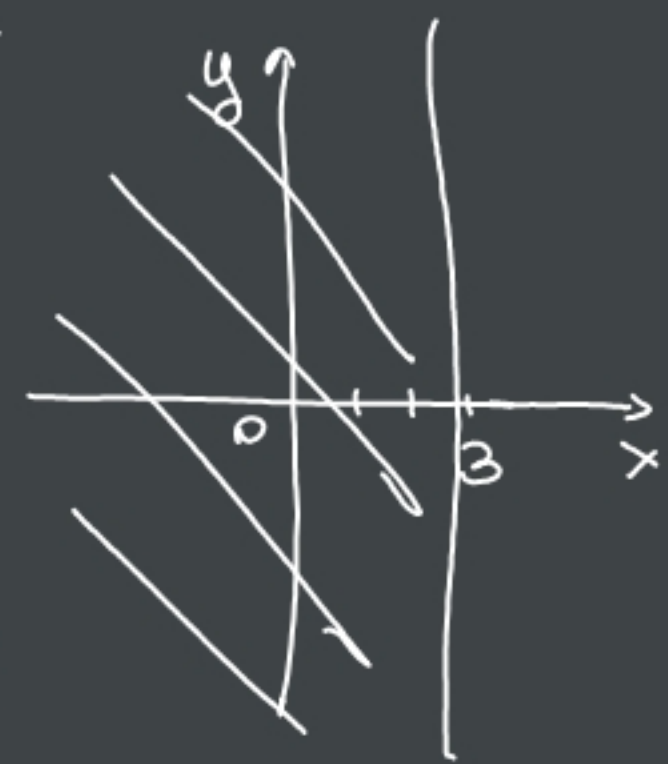


$\forall x \in [3; +\infty[$

ind. dispar.

$$y = \sqrt[3]{x+2}$$

D: $\forall x \in \mathbb{R}$

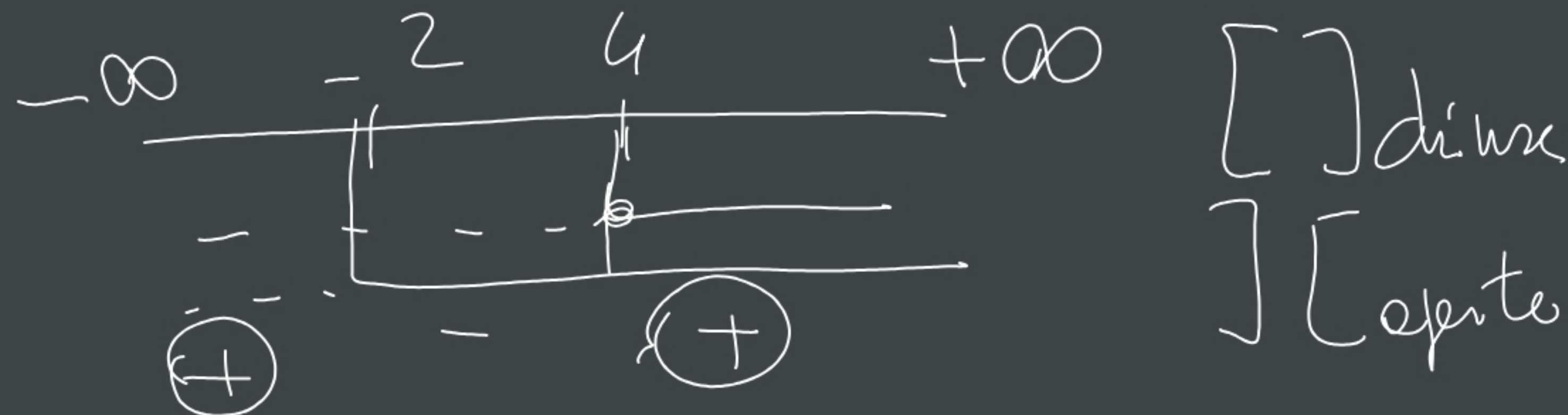


IRR FRATE

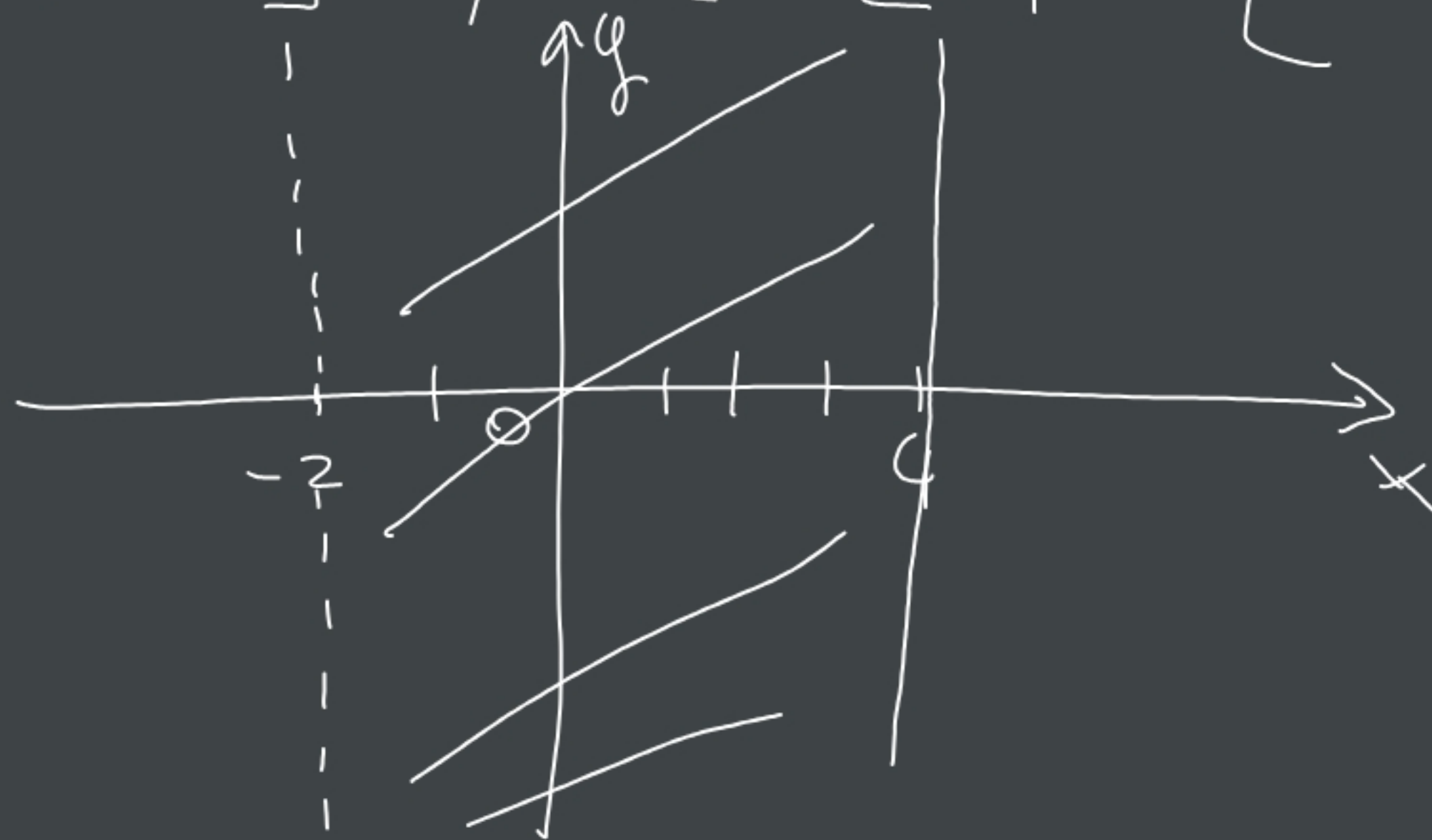
n pari

$$y = \sqrt{\frac{x-4}{x-2}}$$

$$\begin{cases} \frac{x-4}{x-2} \geq 0 \\ x-2 \neq 0 \end{cases} \begin{cases} x-4 \geq 0 \\ x-2 > 0 \end{cases} \begin{cases} x \geq 4 \\ x > -2 \end{cases}$$

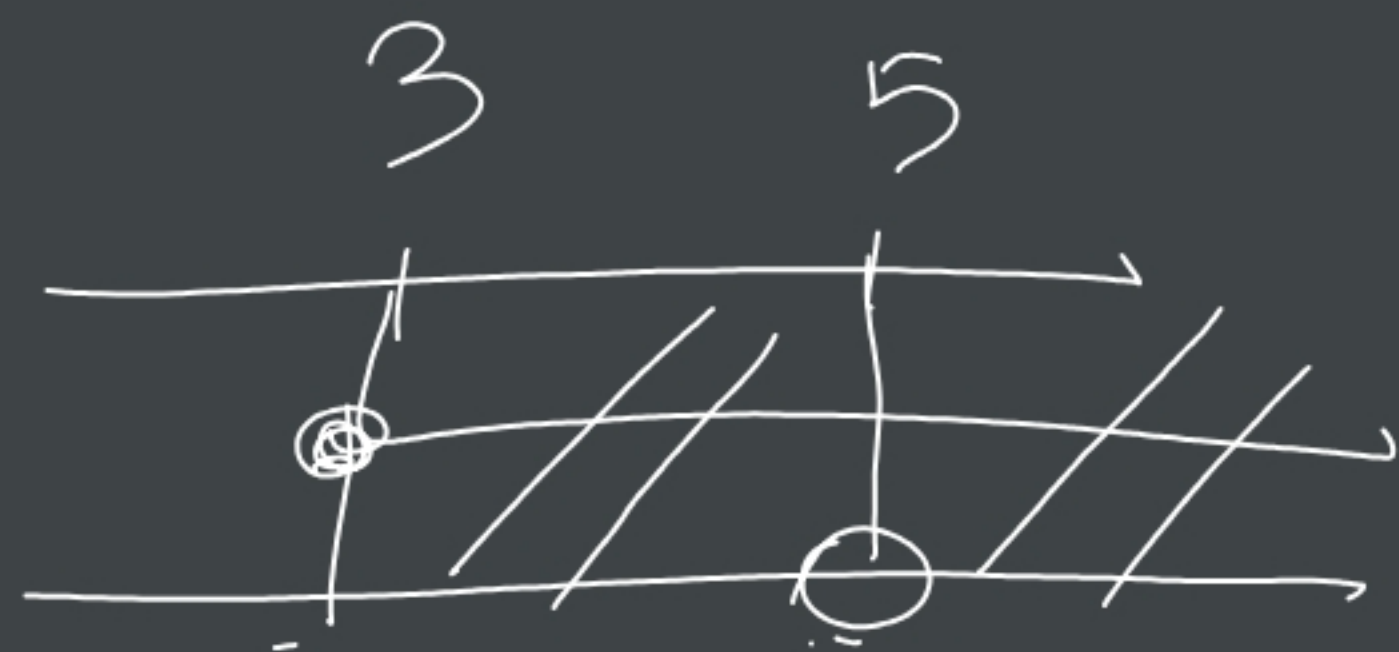


$$\forall x \in]-\infty, -2[\cup [4, +\infty[$$



$$y = \frac{\sqrt{x-3}}{x-5}$$

$$\begin{cases} x-3 \geq 0 \\ x-5 \neq 0 \\ x \geq 3 \\ x \neq 5 \end{cases}$$



$$D: \forall x \in [3; +\infty[- \{5\}$$

$$\rightarrow D: \forall x \in [3; 5[\cup]5; +\infty[$$

