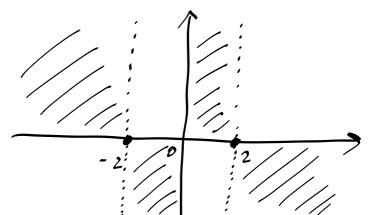
$$y = \frac{x^2 - 4}{x}$$

$$\Lambda$$
 homino $X \neq 0$

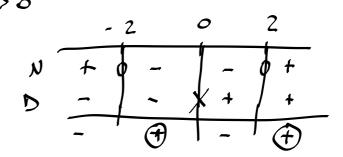


$$\frac{x^2-4}{x}=0$$

$$=$$
7 \times = $^{+2}$

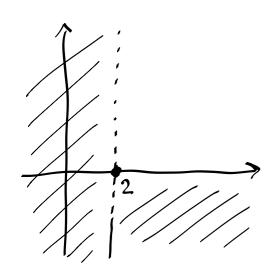
$$3) \frac{5E4N0}{x^2-4} > 0$$

$$N \times^{2} - 4 > 0 \implies X < -2 V \times > 2$$



$$y = \sqrt{\frac{x^2 - 2x}{x^3}}$$

$$D = [2, +\infty)$$



$$\frac{(x^{2}-2x)}{x^{3}} > 0 \qquad \times (x-2)$$

$$\frac{(x-2)}{x^{3}2} > 0 = > x > 2$$

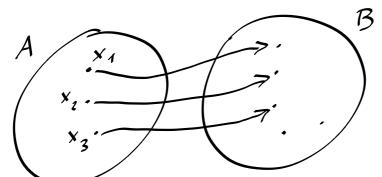
$$\sqrt{\frac{x^2 - \ell x}{x^3}} = 0 = 2 \times 2$$

SEGNO

Le fumore, nel mo sommis,

FUNZIONE INIETTIVA (1-1) : REPRISE

J:A→B € INIETTIVA 20

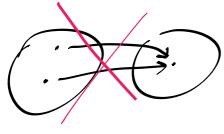


ELEMENTI DISTINTI DIA CORRISPONDONO A ELEMENTI DISTINTI DI B

f(x1) \$ 1(x1)

 $\forall x_1, x_2 \in A \quad x_1 \neq x_2 \Rightarrow$

NON SUCCEDE CHÉ



offue

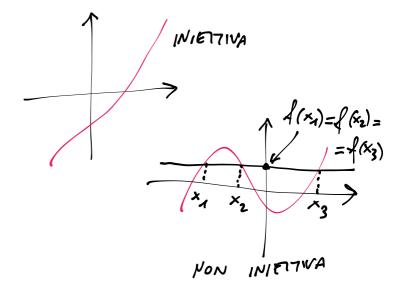
$$\forall x_1, x_2 \in A$$
 $f(x_1) = f(x_2) = \rangle x_1 = x_2$

y 211214

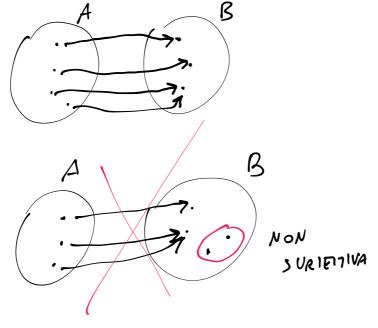
A => B AIMPLICA B

non B => non A

GRAFIGHEME



f: A -B é surificion de il communida com B



LA SURIETTIVITÀ DIPENDE DA B

ESEMPIO

IMPORTA NTE

$$1 f: \mathbb{R}_0^+ \to \mathbb{R}$$

$$f(x) = x^2$$

INTETTIVA, HA NOW SORIETTIVA

$$\mathbb{R}_{o}^{t} = \left\{ x \in \mathbb{R} \mid x \geq 0 \right\}$$

SURIETTIVA, MA NON INVETTIVA
PERCUÉ?