$$y = \frac{\arcsin x}{\sqrt{1 - 4x^2}}$$

$$\left[0 < x < \frac{1}{2}\right]$$

argin
$$\times$$

$$D = \begin{bmatrix} -1,1 \end{bmatrix}$$

$$-1$$

$$-\frac{\pi}{2}$$

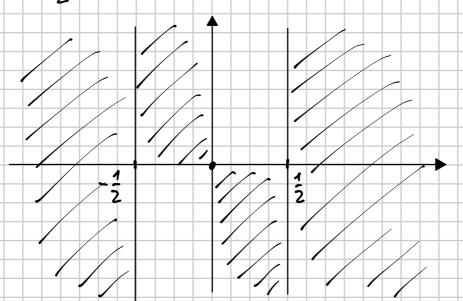
$$\left(1-4\times^2>0\right)$$

$$1-4x^2 > 0$$
 $4x^2 - 1 < 0$

$$X = \frac{1}{2} \frac{1}{2} - \frac{1}{2} \langle X \langle \frac{1}{2} \rangle$$

$$\begin{cases} -1 \le x \le 1 \\ -\frac{1}{2} < x < \frac{1}{2} \end{cases} \Rightarrow -\frac{1}{2} < x < \frac{1}{2}$$

$$D = J - \frac{1}{2}, \frac{1}{2} \begin{bmatrix} 1 \\ 1 \end{bmatrix}$$



$$\frac{\operatorname{arcsin} X}{\sqrt{1-4x^2}} = 0 \implies \operatorname{aucsin} X = 0 \implies X = 0$$

$$0 \Rightarrow x = 0 \quad O(o, o)$$

3) SEWO
$$\frac{1}{\sqrt{1-4x^2}}$$
 \Rightarrow 0 \Rightarrow our in \times > 0 \Rightarrow o $< \times 4 - \frac{1}{2}$ \Rightarrow $\sqrt{1-4x^2}$

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$$y = \frac{x^2 - 5x + 4}{x^2 - 3x} \quad [x < 0 \lor 1 < x < 3 \lor x > 4]$$

$$[x < 0 \lor 1 < x < 3 \lor x > 4]$$

 $D =]-\infty, O[v]o, 3[v]3, +\infty[$

1) DOMINIO

$$x^2-3 \times \neq 0$$
 $\times (x-3) \neq 0 \Rightarrow x \neq 0$ $\wedge x \neq 3$

$$\begin{array}{c} x^2 - 5 \times + 4 = 0 \\ x^2 - 3 \times \end{array}$$

$$x^{2}-5x+4=0$$
 $(x-4)(x-1)=0$

A (1,0) B (4,0) INT. ASSE X Non a sono interesioni

con l'ane y perche x=0 à funi dal dominis

