

SEGNO

Per quali x e y sono positive / negative?

$$y = \frac{3x+3}{x-1}$$

D: $x-1 \neq 0$, $x \neq 1$

Asse
 y $\begin{cases} y = \frac{3x+3}{x-1} \\ x=0 \end{cases}$

$A(0, -3)$

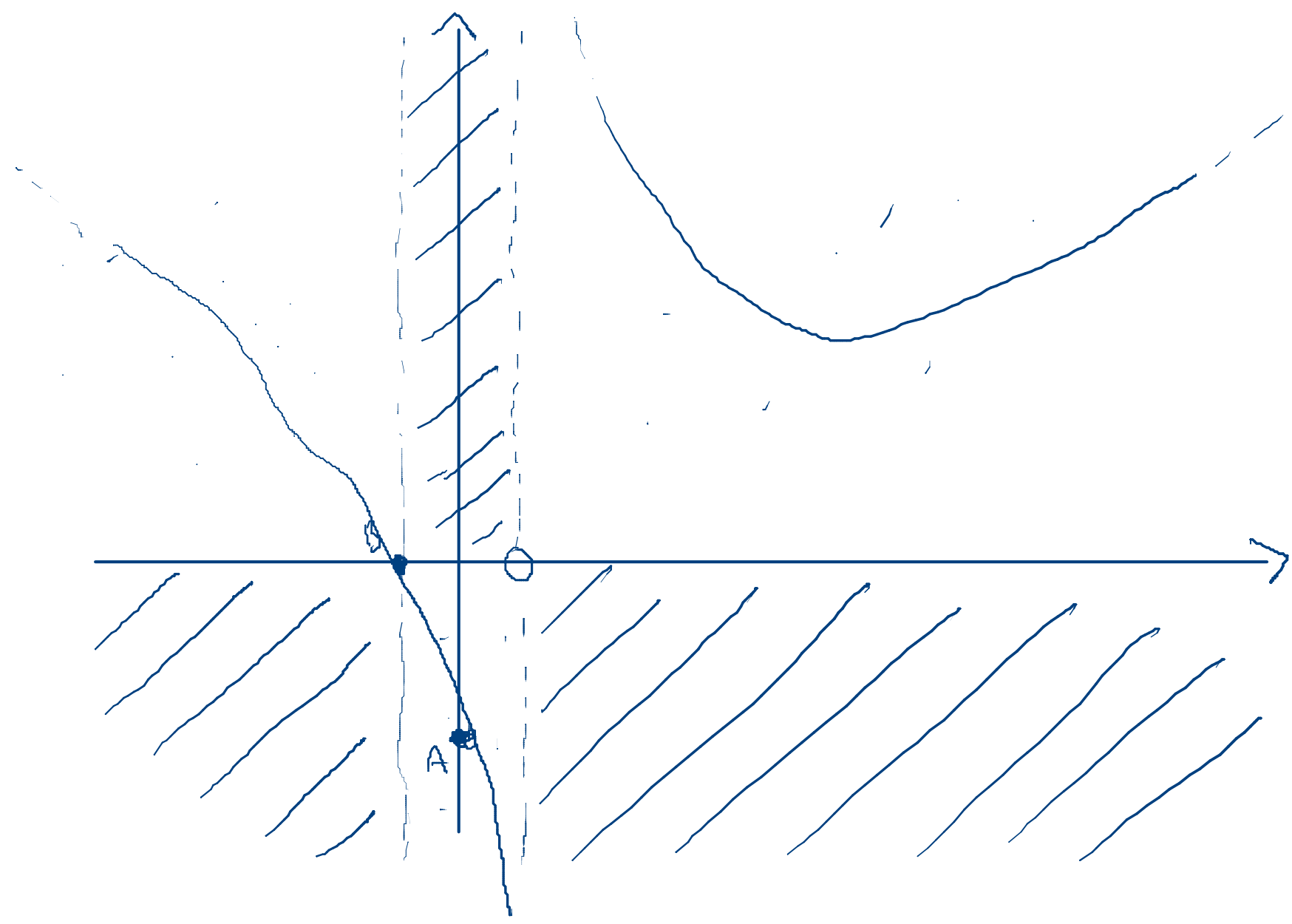
Asse
 x $\begin{cases} y = \frac{3x+3}{x-1} \\ y=0 \end{cases}$

$B(-1, 0)$

$$\frac{3x+3}{x-1} = 0$$

$$3x+3=0$$

$$\frac{3x}{3} = \frac{-3}{3} = -1$$



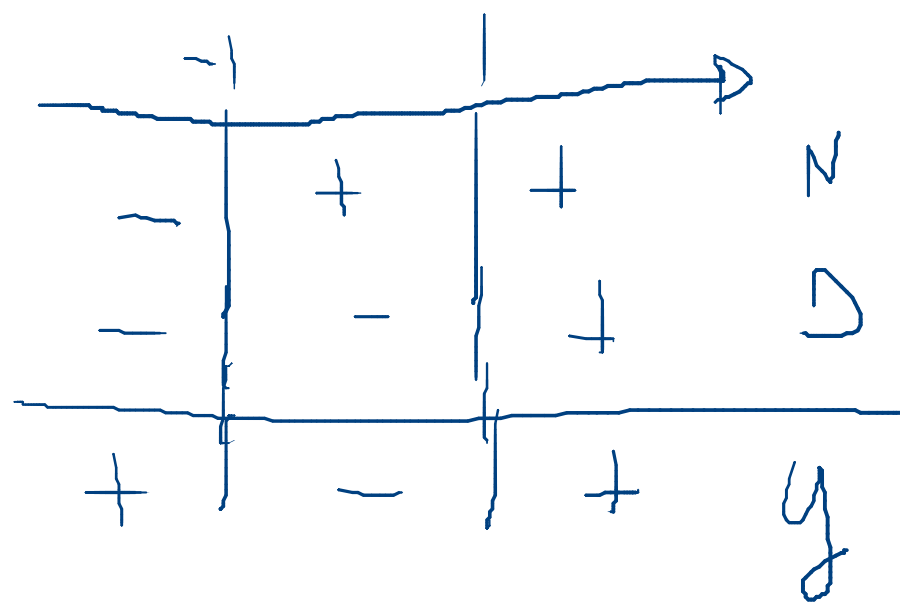
$$y > 0$$

$x ?$

$$\frac{3x+3}{x-1} > 0$$

N: $3x+3 > 0$
 $x > -1$

D: $x-1 > 0$
 $x > 1$



$y > 0$ se $x < -1$ v $x > 1$

$y < 0$ se $-1 < x < 1$