$$f(x) = \frac{x^3}{(x+1)^2} \qquad Df = \mathbb{R} \setminus \{-1\}$$

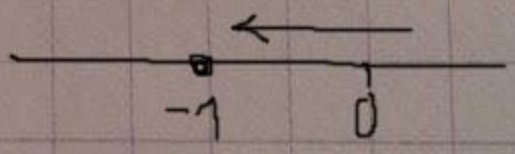
$$\lim_{x \downarrow -1} \frac{x^3}{(x+1)^2} = -\infty$$

$$\lim_{x \uparrow -1} \frac{x^3}{(x+1)^2} = -\infty$$

??

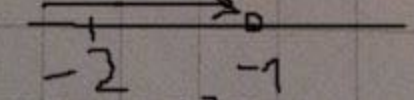
$$\lim_{x \downarrow -1} \frac{x^3}{(x+1)^2}$$

$x \downarrow -1$ TOREJ



$$\frac{(-0,99)^3}{(-0,99+1)^2} = \frac{-0,98}{(0,01)^2} = -\infty$$

$x \uparrow -1$



$$\frac{(-1,01)^3}{(-1,01+1)^2} = \frac{-1,03}{(-0,01)^2} = -\infty$$