

$$f(x) = \frac{x^3}{(x+1)^2}$$

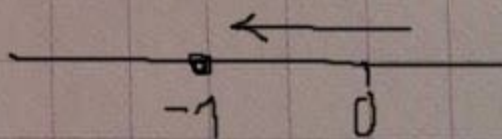
$$D_f = \mathbb{R} \setminus \{-1\}$$

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

??

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

$x \downarrow -1$ TOPEJ



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

$$\frac{(-0.99)^3}{(-0.99+1)^2} = \frac{-0.998}{(0.01)^2} = -\infty$$

$$x \uparrow -1 \quad \frac{-1}{-2} \quad \frac{-1}{-1}$$

$$\frac{(-1.01)^3}{(-1.01+1)^2} = \frac{-1.03}{(-0.01)^2} = -\infty$$