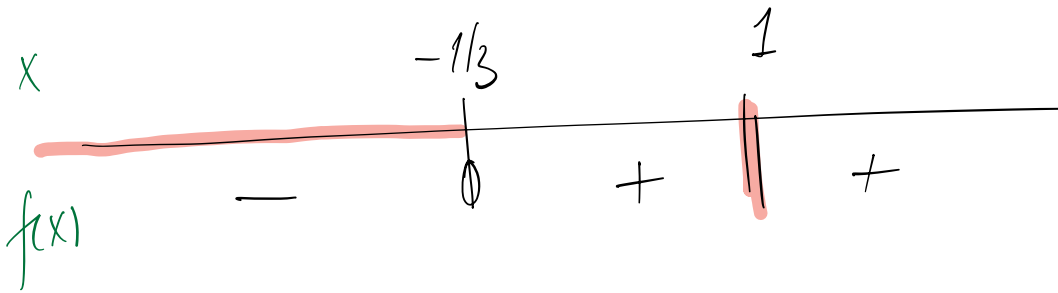


$$\boxed{\frac{3x^2 - 2x - 1}{x^3 - 1}} \leq 0 \Leftrightarrow \frac{\boxed{(3x+1)}(x-1)}{(x-1)\boxed{(x^2+x+1)}} \leq 0$$

$> 0 \forall x \in \mathbb{R}$

↓
Signe

$$3x^2 - 2x - 1 = (3x+1)(x-1) = 0 \Leftrightarrow x = -\frac{1}{3} \quad x \neq 1$$



$$\Rightarrow \frac{3x^2 - 2x - 1}{x^3 - 1} \leq 0 \Leftrightarrow x \in]-\infty; -\frac{1}{3}]$$