

$$x \geq \frac{1}{4x-3}$$

$$\text{множ: } 4x-3$$

$$x - \frac{1}{4x-3} \geq 0$$

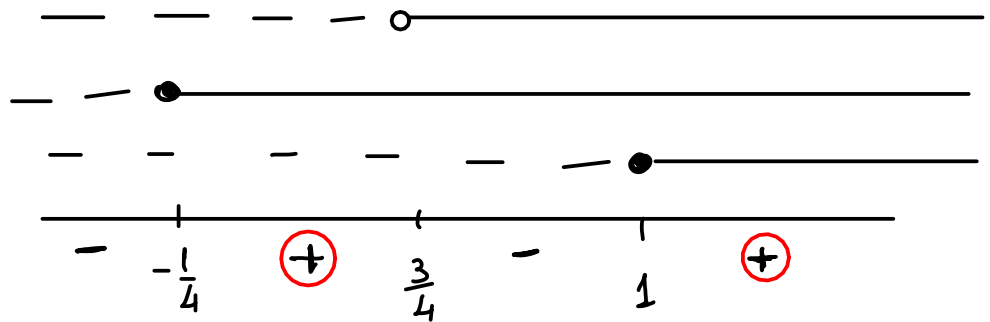
$$\frac{x(4x-3) - 1}{4x-3} \geq 0$$

$$\frac{4x^2 - 3x - 1}{4x-3} \geq 0$$

$$\frac{4(x^2 - 3/4x - 1/4)}{4x-3} \geq 0$$

$$\cancel{4} \frac{(x-1)(x+1/4)}{\cancel{4}(x-3/4)} \geq 0$$

- $x-1 \geq 0 \Rightarrow x \geq 1$
- $x+1/4 \geq 0 \Rightarrow x \geq -1/4$
- $x-3/4 > 0 \Rightarrow x > 3/4$



$$-\frac{1}{4} \leq x < \frac{3}{4} \vee x \geq 1$$