g) $1 \leq \frac{3}{2x-1} \leq 5$

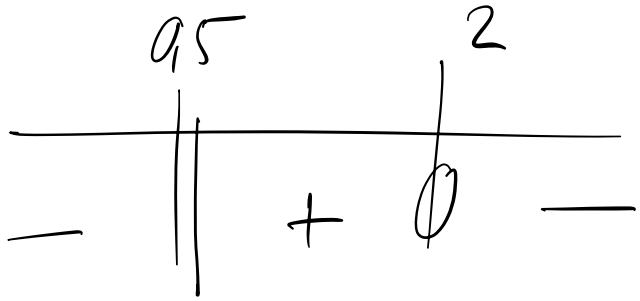
$f(x) = \frac{3}{2x-1}$

$f(x) \in [1;5]$

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

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

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



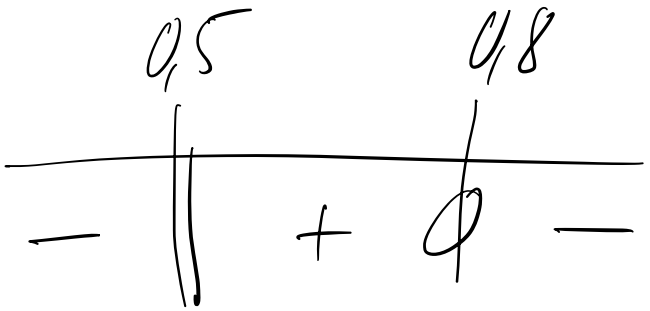
0.0. -4

$x \in]95;2]$

$$\frac{3-5(2x-1)}{2x-1} \leq 0$$

$$\frac{3-10x+5}{2x-1} \leq 0$$

$$\frac{-10x+8}{2x-1} \leq 0$$



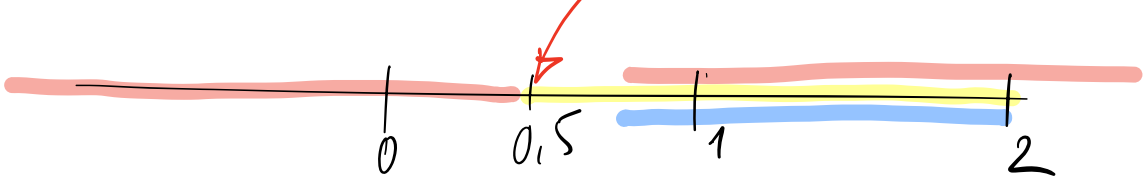
$$x \in]-\infty ; 0,5[\cup [0,8 ; +\infty[$$

Deux conditions simultanées

$$x \in]0,5 ; 2]$$

Non compris (0,5)

$$x \in]-\infty ; 0,5[\cup [0,8 ; +\infty[$$



$x \in [0,8; 2]$