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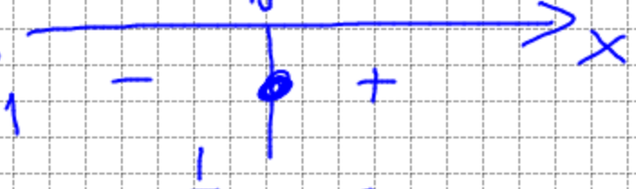
$$\left(5^{3x}-5^{2x}\right)\left(e^{\frac{1}{x}}-e^{2}\right)\leq 0$$

P_1 $\qquad$ P_2

$5^{3x}-5^{2x}\geq 0$ $\qquad$ $5^{3x}\geq 5^{2x}$ a meno $3x \geq 2x$

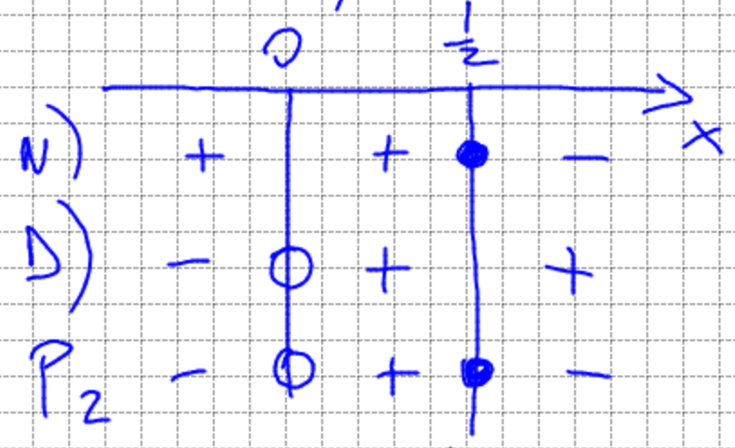
P_1 $\quad x\geq 0$

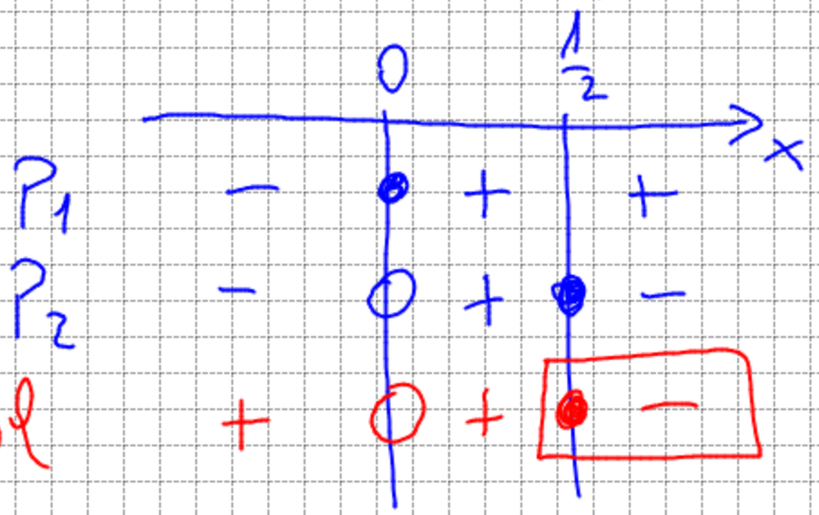


$e^{\frac{1}{x}}-e^{2}\geq 0$ $\qquad$ $e^{\frac{1}{x}}\geq e^{2}$ a meno $\frac{1}{x}\geq 2$

N) $1-2x\geq 0$ $\quad x\leq \frac{1}{2}$

$\frac{1-2x}{x}\geq 0$ $\qquad$ D) $x>0$





$x\geq \frac{1}{2}$

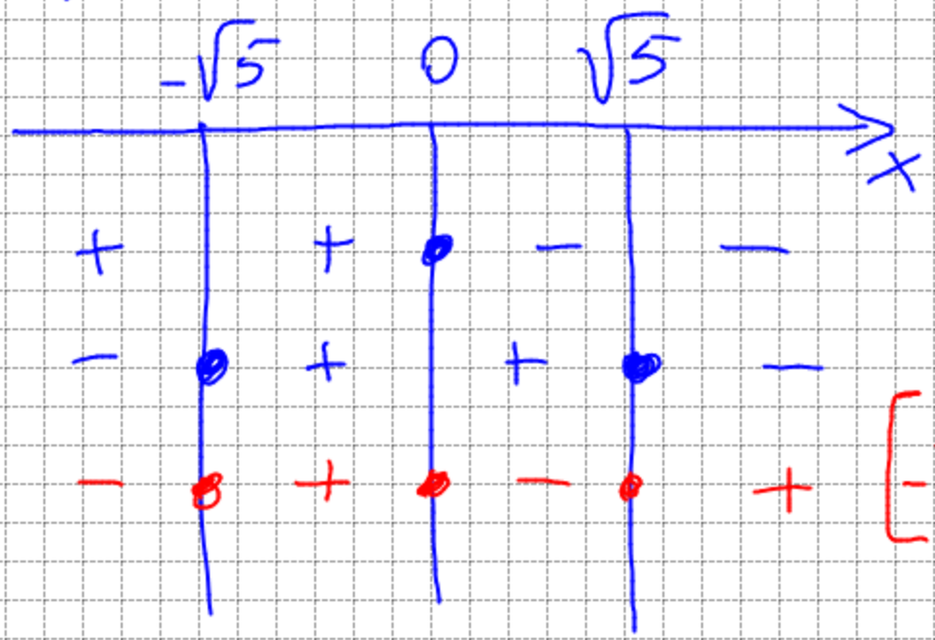
ESN 139

$$\left[\left(\frac{2}{3}\right)^x - 1\right] \cdot (5 - x^2) \geq 0$$

P_1 $\qquad$ P_2

P_1: $\left(\frac{2}{3}\right)^x - 1 \geq 0 \quad \left(\frac{2}{3}\right)^x \geq \left(\frac{2}{3}\right)^0$ (*) $x \leq 0$

P_2: $5 - x^2 \geq 0 \quad -\sqrt{5} \leq x \leq \sqrt{5}$



$[-\sqrt{5}; 0] \cup [\sqrt{5}; +\infty)$