514
$$\ln x + \frac{2}{\ln x} - 3 \le 0$$
 $[0 < x < 1 \lor e \le x \le e^2]$

c.f. $\begin{cases} x > 0 \\ x \ne 1 \end{cases}$

$$t + \frac{2}{t} - 3 \le 0$$

$$t = \ln x$$

$$t + 2 - 3t + 2 \le 0$$

$$t = \ln x$$

$$t - 2 > 0 \quad t > 2$$

$$t - 4 > 0 \quad t > 4$$

$$t + 4 \Rightarrow 0 \Rightarrow 0 \Rightarrow 0$$

$$t - 4 \Rightarrow 0 \Rightarrow 0 \Rightarrow 0$$

$$t + 4 \Rightarrow 0 \Rightarrow 0 \Rightarrow 0$$

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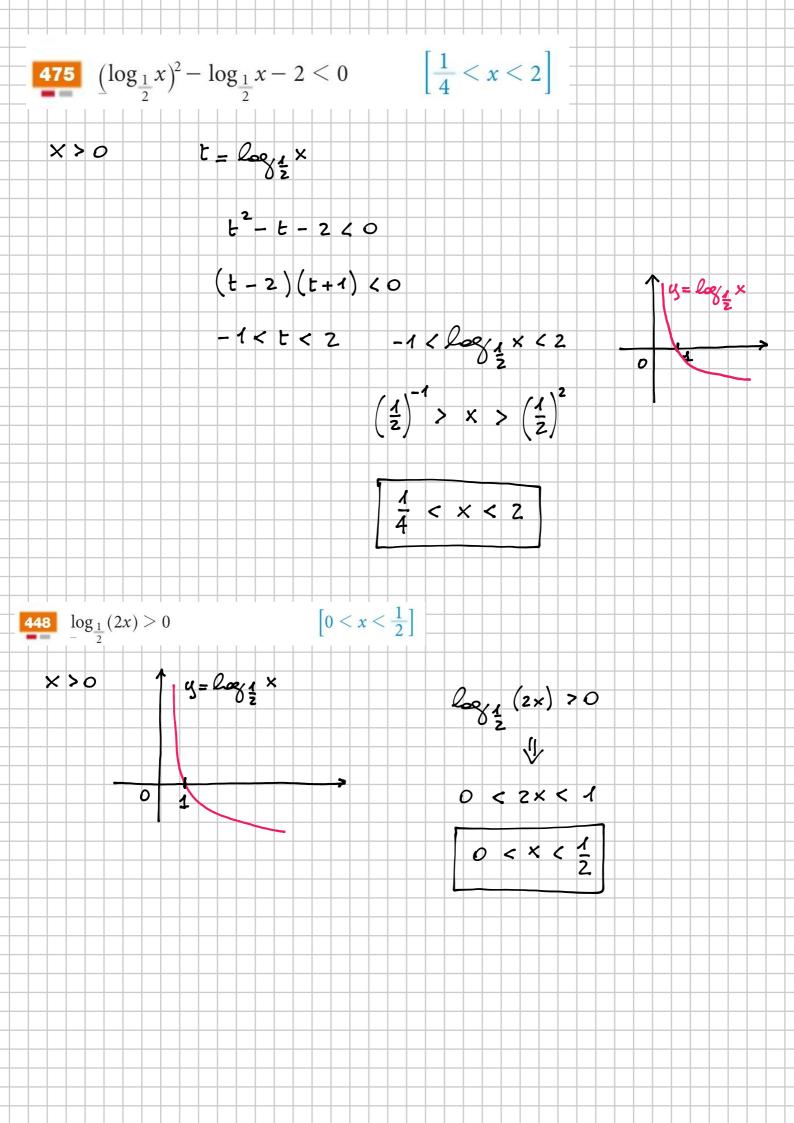
$$t + 4 \Rightarrow 0 \Rightarrow 0 \Rightarrow 0$$

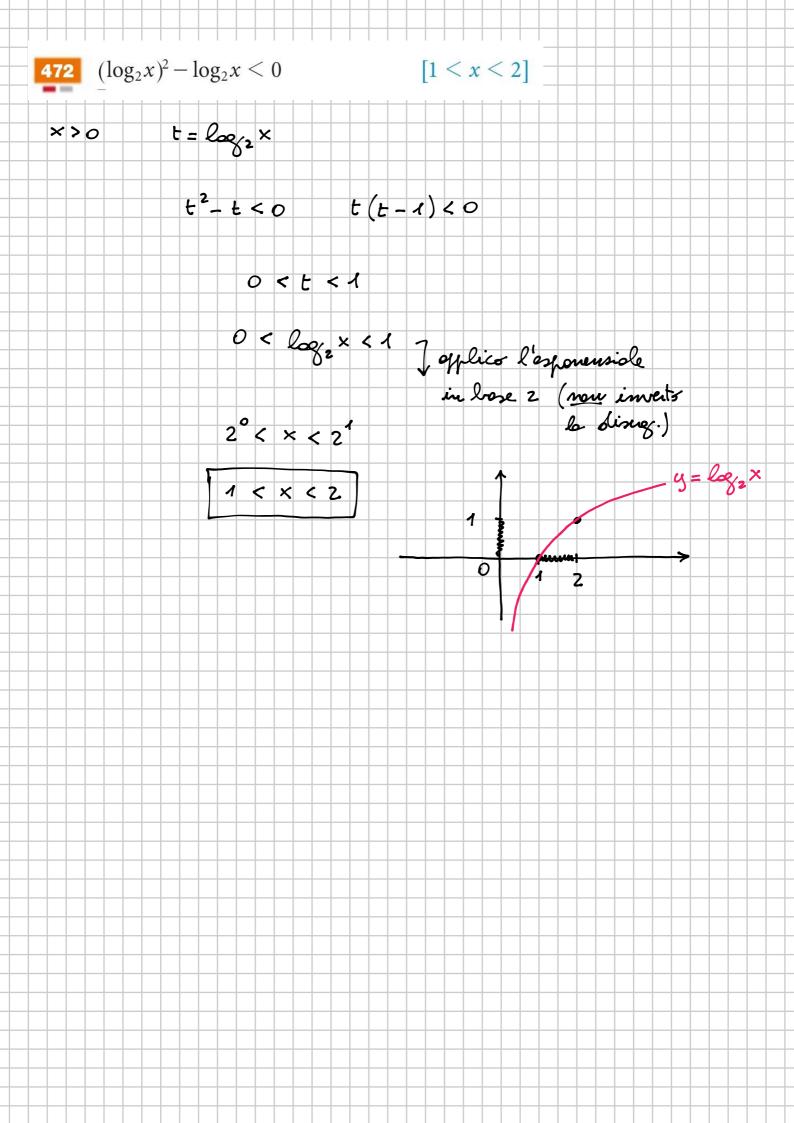
$$t + 4 \Rightarrow 0 \Rightarrow 0 \Rightarrow 0$$

$$t + 4 \Rightarrow 0 \Rightarrow 0 \Rightarrow 0$$

$$t + 4 \Rightarrow 0 \Rightarrow 0 \Rightarrow 0$$

$$t + 4 \Rightarrow 0 \Rightarrow$$





$$|\log(\log(x-1))| \ge 0 \qquad |x \ge 11|$$

$$|\log(x-1)| \ge 0 \qquad |\log(x-1)| \ge 0$$

$$|\log(x-1)| \ge 0$$

$$|\log(x-1$$

$$\times > 0 \ \land \ \times \neq 10^{-2} \ \land \ \times \neq 10^{2}$$

×>0 / × ± 1 / 100

