22/2/2018

$$\frac{9 \cdot 3^{-x}}{9^x + 3^{2x}} > \frac{27}{2}$$

$$\left[x < -\frac{1}{3}\right]$$

$$3^{\times} = t$$

$$\frac{9t^{-1}}{t^2+t^2} > \frac{27}{2}$$

$$\frac{9}{2t^2}\cdot\frac{1}{t}>\frac{27}{2}$$

$$\frac{1}{2t^3} > \frac{2}{2}t^3$$

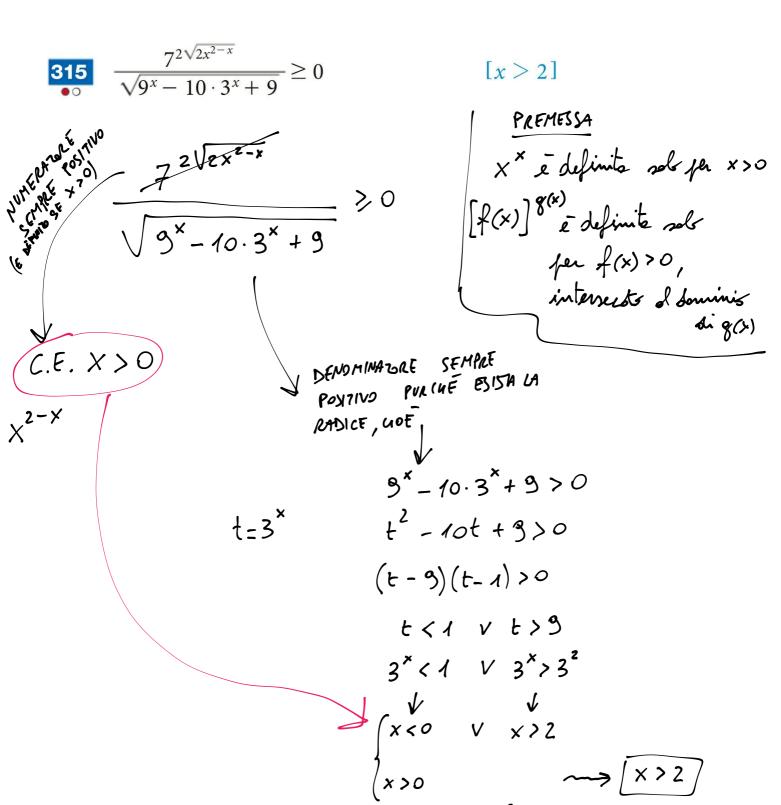
$$\frac{1}{t^3} > 3 \longrightarrow 1 > 3t^3 \longrightarrow 3t^3 < 1$$
MOLTIPLICO PER  $t^3$ ,

POSITIVO DATE ONE t=3x

$$t^{3} < \frac{7}{3}$$

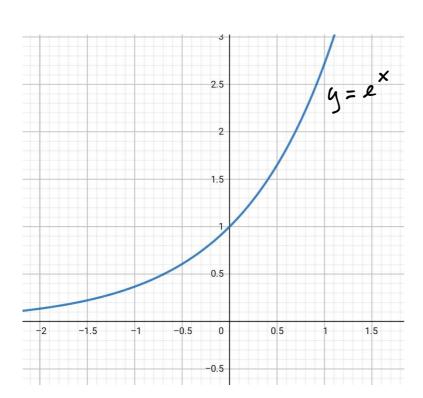
$$3^{3\times} < 3^{-1}$$

$$3\times < -1 \left[ \times < -\frac{1}{3} \right]$$



DEN.

NUM.



BASE PRIVILEGATA DELLA FUNZIONE FSPONENZIALE