

min E = -3 mos E son siste

6) $F = (-\infty, -2) \cup [5, +\infty)$ mon he ne maggionant ne minoranti son è né symaneste né inferiormente limitats Prendiame un insieme SUPERIORYENTE LIMITATO (e non vents) od s. [-5,2)= 9 Sep G = min { X E R | X à maggiorante di G } = 2 ESTREMO SUPERIORE \$1 G inf G = max { x \in R | x \in minorante di G Z = -5 ESTREMO INFERIORE min G = inf G = - 5 sup G = 2 mox G non existe

ESERCIZI FUNZIONI ESPONENZIMI
$$\lim_{x \to 0^{+}} \left(\frac{x^{2}}{4} \right)^{\frac{1}{3 \ln x}} = 0^{\circ} \quad \left[e^{\frac{2}{3}} \right]$$

$$\lim_{x \to 0^{+}} \left(\frac{x^{2}}{3}\right)^{\frac{1}{3}\ln x} = \lim_{x \to 0^{+}} \left(\frac{x^{2}}{4}\right)^{\frac{1}{3}\ln x} = \lim_{x \to 0^{+}} \left(\frac{x$$

$$\frac{A \operatorname{FARTE}}{3 \operatorname{lu} \times 4} \cdot \operatorname{lu} \left(\frac{x^2}{4} \right) = \frac{1}{3 \operatorname{lu} \times 2} \cdot \operatorname{lu} \left[\operatorname{lu} \times 2 - \operatorname{lu} \right] = \frac{1}{3 \operatorname{lu} \times 2} \cdot \operatorname{lu} \left[\operatorname{lu} \times 2 - \operatorname{lu} \right] = \frac{1}{3 \operatorname{lu} \times 2} \cdot \operatorname{lu} \left[\operatorname{lu} \times 2 - \operatorname{lu} \right] = \frac{1}{3 \operatorname{lu} \times 2} \cdot \operatorname{lu} \left[\operatorname{lu} \times 2 - \operatorname{lu} \right] = \frac{1}{3 \operatorname{lu} \times 2} \cdot \operatorname{lu} \left[\operatorname{lu} \times 2 - \operatorname{lu} \right] = \frac{1}{3 \operatorname{lu} \times 2} \cdot \operatorname{lu} \left[\operatorname{lu} \times 2 - \operatorname{lu} \right] = \frac{1}{3 \operatorname{lu} \times 2} \cdot \operatorname{lu} \left[\operatorname{lu} \times 2 - \operatorname{lu} \right] = \frac{1}{3 \operatorname{lu} \times 2} \cdot \operatorname{lu} \left[\operatorname{lu} \times 2 - \operatorname{lu} \right] = \frac{1}{3 \operatorname{lu} \times 2} \cdot \operatorname{lu} \left[\operatorname{lu} \times 2 - \operatorname{lu} \right] = \frac{1}{3 \operatorname{lu} \times 2} \cdot \operatorname{lu} \left[\operatorname{lu} \times 2 - \operatorname{lu} \right] = \frac{1}{3 \operatorname{lu} \times 2} \cdot \operatorname{lu} \left[\operatorname{lu} \times 2 - \operatorname{lu} \right] = \frac{1}{3 \operatorname{lu} \times 2} \cdot \operatorname{lu} \left[\operatorname{lu} \times 2 - \operatorname{lu} \right] = \frac{1}{3 \operatorname{lu} \times 2} \cdot \operatorname{lu} \left[\operatorname{lu} \times 2 - \operatorname{lu} \right] = \frac{1}{3 \operatorname{lu} \times 2} \cdot \operatorname{lu} \left[\operatorname{lu} \times 2 - \operatorname{lu} \right] = \frac{1}{3 \operatorname{lu} \times 2} \cdot \operatorname{lu} \left[\operatorname{lu} \times 2 - \operatorname{lu} \right] = \frac{1}{3 \operatorname{lu} \times 2} \cdot \operatorname{lu} \left[\operatorname{lu} \times 2 - \operatorname{lu} \right] = \frac{1}{3 \operatorname{lu} \times 2} \cdot \operatorname{lu} \left[\operatorname{lu} \times 2 - \operatorname{lu} \right] = \frac{1}{3 \operatorname{lu} \times 2} \cdot \operatorname{lu} \left[\operatorname{lu} \times 2 - \operatorname{lu} \right] = \frac{1}{3 \operatorname{lu} \times 2} \cdot \operatorname{lu} \left[\operatorname{lu} \times 2 - \operatorname{lu} \right] = \frac{1}{3 \operatorname{lu} \times 2} \cdot \operatorname{lu} \left[\operatorname{lu} \times 2 - \operatorname{lu} \right] = \frac{1}{3 \operatorname{lu} \times 2} \cdot \operatorname{lu} \left[\operatorname{lu} \times 2 - \operatorname{lu} \right] = \frac{1}{3 \operatorname{lu} \times 2} \cdot \operatorname{lu} \left[\operatorname{lu} \times 2 - \operatorname{lu} \right] = \frac{1}{3 \operatorname{lu} \times 2} \cdot \operatorname{lu} \left[\operatorname{lu} \times 2 - \operatorname{lu} \right] = \frac{1}{3 \operatorname{lu} \times 2} \cdot \operatorname{lu} \left[\operatorname{lu} \times 2 - \operatorname{lu} \right] = \frac{1}{3 \operatorname{lu} \times 2} \cdot \operatorname{lu} \left[\operatorname{lu} \times 2 - \operatorname{lu} \right] = \frac{1}{3 \operatorname{lu} \times 2} \cdot \operatorname{lu} \left[\operatorname{lu} \times 2 - \operatorname{lu} \right] = \frac{1}{3 \operatorname{lu} \times 2} \cdot \operatorname{lu} \left[\operatorname{lu} \times 2 - \operatorname{lu} \right] = \frac{1}{3 \operatorname{lu} \times 2} \cdot \operatorname{lu} \left[\operatorname{lu} \times 2 - \operatorname{lu} \right] = \frac{1}{3 \operatorname{lu} \times 2} \cdot \operatorname{lu} \left[\operatorname{lu} \times 2 - \operatorname{lu} \right] = \frac{1}{3 \operatorname{lu} \times 2} \cdot \operatorname{lu} \left[\operatorname{lu} \times 2 - \operatorname{lu} \right] = \frac{1}{3 \operatorname{lu} \times 2} \cdot \operatorname{lu} \left[\operatorname{lu} \times 2 - \operatorname{lu} \right] = \frac{1}{3 \operatorname{lu} \times 2} \cdot \operatorname{lu} \left[\operatorname{lu} \times 2 - \operatorname{lu} \right] = \frac{1}{3 \operatorname{lu} \times 2} \cdot \operatorname{lu} \left[\operatorname{lu} \times 2 - \operatorname{lu} \right] = \frac{1}{3 \operatorname{lu} \times 2} \cdot \operatorname{lu} \left[\operatorname{lu} \times 2 - \operatorname{lu} \right] = \frac{1}{3 \operatorname{lu} \times 2} \cdot \operatorname{lu} \left[\operatorname{lu} \times 2 - \operatorname{lu} \right] = \frac{1}{3 \operatorname{lu} \times 2} \cdot \operatorname{lu} \left[\operatorname{lu} \times 2 - \operatorname{lu} \right] = \frac{1}{3 \operatorname{lu} \times 2} \cdot \operatorname{lu} \left[\operatorname{lu} \times 2 - \operatorname{lu} \right] = \frac{1}{3 \operatorname{lu} \times 2} \cdot \operatorname{lu} \left[\operatorname{lu} \times 2 - \operatorname{lu} \right] = \frac{1}{3 \operatorname{lu} \times$$

$$\frac{3 \ln x}{3 \ln x} = \frac{2}{3 \ln 4} = \frac{2}{3 \ln x} = \frac{2}{3 \ln x$$

$$\lim_{x \to +\infty} (x+1)^{\frac{1}{\ln x}} \qquad [e]$$

$$\lim_{x \to +\infty} x^{\frac{1}{1 + \ln x}}$$

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