

$$x^2 + a - 1 + b = 0 \Rightarrow x^2 + 2a + b = 0 \Rightarrow x^2 + a > 0 \Rightarrow (x^2 - 2)^2 \leq x^2 - 1 + 1 \Rightarrow -1 + 1 = 0$$

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$$(x^2 + a)^2 + a(x^2 + a) + b = 0$$

$$(x^2 - x^2)^2 \leq x^2 - 2\sqrt{x^2} + 1 \Rightarrow x^2 - 2\sqrt{x^2} + 1 \Rightarrow \left(\frac{x^2 - 2\sqrt{x^2}}{-2\sqrt{x^2}} \right) \leq -1$$

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$$\lim_{x \rightarrow \frac{1}{a}} \frac{a-1}{\left| \frac{\sqrt{x}}{x} + a \right| + a} = \lim_{x \rightarrow \frac{1}{a}} \frac{a-1}{\left| a + \frac{1}{a} \right| + a}$$

$$\left| a + \frac{1}{a} \right| \leq -a$$

$$a + \frac{1}{a} \leq -a \Rightarrow -2a \leq \frac{1}{a} \Rightarrow a \leq \frac{1}{-2}$$

$$[a]_{-1}$$

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$$\lim_{x \rightarrow \infty} \frac{x}{x^2 - 1} = \lim_{x \rightarrow \infty} \frac{1}{x} = 0$$

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$$n \rightarrow -1^- \quad \frac{(n+2)(n+1)}{4(1+\sqrt{n})} \rightarrow \frac{0}{0}$$

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$$H_0 \beta_{57} = \frac{\sqrt{K} \cdot (\sqrt{K} a)}{Y K a} \rightarrow$$

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$$\lim_{n \rightarrow -1^+} \frac{1+K}{n-1} = -\infty \quad \text{if } K > 0$$

$$\lim_{n \rightarrow -1^+} \frac{1+Yh}{n-1} = -\infty \quad \text{if } Yh < 0$$

10