

Logarithme népérien – inéquations

$$1^{\circ} / n > \frac{\ln(10^{-11})}{\ln(0,999)}$$

$$2^{\circ} / n > \frac{\ln(10^9)}{\ln(1,000\,001)}$$

$$3^{\circ} / n \geq \frac{\ln(5 - 4,999\,9)}{\ln(1/3)}$$

$$4^{\circ} / n \geq \frac{\ln(3,000\,1 - 3)}{\ln(4/5)}$$

Logarithme népérien – limites de fonctions

$$1. \lim_{x \rightarrow 0^+} f(x) = -\infty, \lim_{x \rightarrow +\infty} f(x) = 0^+.$$

$$2. \lim_{x \rightarrow -1^+} g(x) = +\infty, \lim_{x \rightarrow +\infty} g(x) = +\infty.$$

$$3. \lim_{x \rightarrow 0^+} h(x) = -\infty, \lim_{x \rightarrow +\infty} h(x) = +\infty.$$

$$4. \lim_{x \rightarrow -\infty} p(x) = 0^+, \lim_{x \rightarrow -1^-} p(x) = +\infty, \lim_{x \rightarrow 0^+} p(x) = -\infty, \lim_{x \rightarrow +\infty} p(x) = 0^-.$$

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Logarithme népérien – limites de fonctions

$$5. \lim_{x \rightarrow 0^+} f(x) = -\infty, \lim_{x \rightarrow +\infty} f(x) = 0^+.$$

$$6. \lim_{x \rightarrow -1^+} g(x) = +\infty, \lim_{x \rightarrow +\infty} g(x) = +\infty.$$

$$7. \lim_{x \rightarrow 0^+} h(x) = -\infty, \lim_{x \rightarrow +\infty} h(x) = +\infty.$$

$$8. \lim_{x \rightarrow -\infty} p(x) = 0^+, \lim_{x \rightarrow -1^-} p(x) = +\infty, \lim_{x \rightarrow 0^+} p(x) = -\infty, \lim_{x \rightarrow +\infty} p(x) = 0^-.$$