ON PRIME NUMBERS

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\[ C[n] = \sqrt{\frac{P[n]}{4}} + \frac{1}{2} \]

\[ D[n] = \frac{C[n]^2 + 7 \cdot C[n] - 6}{2} \]

\[ \therefore P[n] = nthPrimeNumber \]

\[ \lim_{n \to \infty} \frac{\ln(n)}{\ln(D[n])} = 1 \]