The identity of log n

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Abstract

In this paper, I describe the identity of $\log n$.
The paper ends with "The End"

The identity of $\log n$

The identity of $\log n$ states for $n \in \mathbb{Z}$ and $n > 1$

$$\log n = \log (n-1) + \frac{1}{n}\left(1 - \sum_{i=1}^{\infty} \frac{(-1)^i}{(n-1)^i i(i+1)}\right)$$

The End