2019년 8월 14일 수요일 오후 7:09

On is equal to n+1th Fibbonachi number

(By recurrence relation, N+1 = 51+ ( )-an
2+ ( )-an+1 -> ant = artant  $\frac{1}{\sigma_n \sigma_{n+1}} = \frac{1}{\sigma_n (\sigma_{n+1} + \sigma_n)} = \left(\frac{1}{\sigma_n} - \frac{1}{\sigma_{n+1}}\right) \frac{1}{\sigma_{n+1}}$  $=\frac{Q^{V}Q^{V+1}}{I}-\frac{Q^{V+1}Q^{V+1}}{I}$  $\frac{1}{12} = \frac{1}{12} - \frac{1}{2 \cdot 3} + \frac{1}{3 \cdot 3} - \frac{1}{3 \cdot 5} - \frac{1}{3 \cdot 5} - \frac{1}{3 \cdot 5} - \frac{1}{3 \cdot 5} = \frac{1}{3 \cdot 5} - \frac{1}{3 \cdot 5} - \frac{1}{3 \cdot 5} = \frac{1}{3$ 

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