... Series Continución

Serie
$$\sum_{n=1}^{\infty} \frac{1}{n^2} = \frac{1}{12} + \frac{1}{2^2} + \frac{1}{3^2}, \chi_{n} = \frac{1}{3^2}$$

$$S_{0} = \frac{1}{12} + \frac{1}{2^{2}} + \dots + \frac{1}{2^{n}} \leq \frac{1}{12} + \frac{1}{2^{2}} + \dots + \frac{1}{2^{n}} + \frac{1}{2^{n}}$$

Son his Surus purcets

fe he Serie geometrill

$$\frac{1}{2^{k-1}} = \sum_{k=1}^{\infty} \binom{1}{x}$$

AS!
$$S_{K} = \left| \begin{array}{c} S_{k} \right| \geq 1 + \dots + 1 \\ 2^{\circ} + \dots + 2^{k-1} \end{array} \right|$$
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Esta serie geometrica Conege pues r=1/2, |r|21.

Solve Sign Crecimite
$$(S_{2k})$$
.

$$S_{2k+1} = \frac{1}{1} - (\frac{1}{2} - \frac{1}{3}) = (\frac{1}{4} - \frac{1}{5}) + \dots + (\frac{1}{4} - \frac{1}{2k+1})$$

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$$S_{2k+1} = \frac{1}{2k+1} - \frac{1}{2k+1} = \frac{1}{2k+1} = \frac{1}{2k+1}$$

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$$S_{2k+1} = \frac{1}{2k+1} - \frac{1}{2k+1} - \frac{1}{2k+1} - \frac{1}{2k+1} - \frac{1}{2k+1}$$

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$$S_{2k+1} = \frac{1}{2k+1} - \frac{1}{2k+1} -$$