

$$\sum_{k=1}^{N} \frac{1}{1 + k} = \sum_{k=1}^{N} \frac{1$$

badde (ba) k = 6k

$$\sum_{n=1}^{\infty} \frac{1}{(1+i)^n} = \frac{1}{1+i} = \frac{1}{1+i}$$

$$\sum_{n=1}^{\infty} \frac{1}{(1+i)^n} = \frac{37}{1+i}$$

Derson N>00

0

$$S_{n} = 3 \cdot \left(\frac{1}{1 - \frac{3}{4}}\right) + \frac{q}{4} \cdot \left(\frac{1}{1 - \frac{3}{4}}\right) = 3 \cdot \left(4\right) + \frac{q}{4}$$

A(n-2)tB(n) = 1 $A = \frac{1}{2}$ $A = \frac{1}{2}$ $B = \frac{1}{2}$

$$\begin{array}{c} \mathcal{E} \left(\begin{array}{c} \left(\begin{array}{c} -3 \\ -1 \end{array} \right) \end{array} \right) = \begin{array}{c} \mathcal{E} \left(\begin{array}{c} -1 \\ -1 \end{array} \right) \\ \mathcal{E} \left(\begin{array}{c} -3 \\ -1 \end{array} \right) \end{array} \right) = \begin{array}{c} \mathcal{E} \left(\begin{array}{c} -1 \\ -1 \end{array} \right) \\ \mathcal{E} \left(\begin{array}{c} -3 \\ -1 \end{array} \right) = \begin{array}{c} \mathcal{E} \left(\begin{array}{c} -1 \\ -1 \end{array} \right) \\ \mathcal{E} \left(\begin{array}{c} -3 \\ -1 \end{array} \right) = \begin{array}{c} \mathcal{E} \left(\begin{array}{c} -1 \\ -1 \end{array} \right) \\ \mathcal{E} \left(\begin{array}{c} -1 \\ -1 \end{array} \right) = \begin{array}{c} \mathcal{E} \left(\begin{array}{c} -1 \\ -1 \end{array} \right) \\ \mathcal{E} \left(\begin{array}{c} -1 \\ -1 \end{array} \right) = \begin{array}{c} \mathcal{E} \left(\begin{array}{c} -1 \\ -1 \end{array} \right) \\ \mathcal{E} 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\right) \\ \mathcal{E} \left(\begin{array}{c}$$

$$a = \frac{1}{2}$$

$$i = \frac{1}{2}$$

$$-\frac{1}{3}$$

$$\frac{-\frac{1}{3}}{2}$$

$$=\frac{1}{2}$$

$$=\frac{1}{2}$$

$$=\frac{1}{2}$$

$$=\frac{1}{2}$$

$$=\frac{1}{2}\sum_{n=3}^{\infty}\left(\frac{1}{n^{2}}-\frac{1}{n}\right)=\frac{1}{2}\left(1-\frac{1}{3}+\frac{1}{2}-\frac{1}{4}+\frac{1}{3}-\frac{1}{5}-\frac{1}{2}\right)=\frac{1}{2}\left(1+\frac{1}{2}\right)=\frac{1}{2}\cdot\frac{3}{2}=\frac{3}{4}$$















|-3x|<1 $x>-\frac{1}{3}$