



HD:

$$\begin{aligned} N &= \frac{4}{1.3} + \frac{4}{3.5} + \frac{4}{5.7} + \dots + \frac{4}{99.101} \\ &= 2 \left( \frac{2}{1.3} + \frac{2}{3.5} + \frac{2}{5.7} + \dots + \frac{2}{99.101} \right) \\ &= 2 \left( \frac{1}{1} - \frac{1}{3} + \frac{1}{3} - \frac{1}{5} + \frac{1}{5} - \frac{1}{7} + \dots + \frac{1}{99} - \frac{1}{101} \right) = 2 \left( \frac{1}{1} - \frac{1}{101} \right) = 2 \cdot \frac{100}{101} = \frac{200}{101} \end{aligned}$$

VINASTUDY.VN