$$\sum_{k=1}^{21} k = \frac{29(30)}{2} = \frac{29(15)}{2}$$

$$\frac{10}{9}$$
 1,4,9,16,25,...

 $\frac{1}{3}$,5,7,9,...

 $\frac{5}{5}$,27,9,...

 $\frac{5}{5}$,27,9,...

$$\begin{array}{c}
1, 5, 9, 13, 17, \dots, 49 \\
\hline
\alpha_{n} = 1 + 4(n-1) \\
\hline
2(1+4(i-1)) = 13(49+1) \\
= 24i+1 \\
= 2i-1 & 2i-1
\end{aligned}$$

finde:
$$\sum_{n=1}^{K} \alpha_{n} r^{n-1} = \frac{\alpha_{n}(1-r^{k})}{1-r}$$
infide
$$\sum_{n=1}^{\infty} \alpha_{n} r^{n-1} = \frac{\alpha_{n}}{1-r}$$

8000, 8000 (1.02) 8000 (1.02) 8000 (1.02), 8000 (1.02), (1.035), 8000 (1.02), (1.035), 8000 (1.02), (1.035),

$$\frac{21}{10} = \frac{10(\frac{3}{4})}{10(\frac{3}{4})} = \frac{10(\frac{3}{4})^{\frac{3}{4}}}{10(\frac{3}{4})^{\frac{3}{4}}}$$

$$= \frac{10}{10} + 2 \left(\sum_{i=1}^{4} \frac{10(\frac{3}{4})^{i}}{10(\frac{3}{4})^{i}} \right)$$

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