

$$(a_n) \rightarrow \begin{matrix} a_1 = 1 \\ a_2 = 10 \\ \vdots \\ a_n = 1 \end{matrix} \quad \begin{matrix} b_1 = 1 \\ b_2 = 10 \\ \vdots \\ b_n = 1 \end{matrix}$$

$$\frac{1}{a} > \frac{1}{b} > \frac{1}{c} > \frac{1}{d}$$

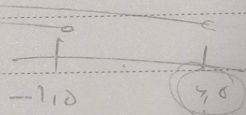
$$\frac{1}{a} > \frac{1}{b} > \frac{1}{c} > \frac{1}{d}$$

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$$\frac{a_n - r}{r_{n+1}} - \frac{r}{r} < 0$$

$$\frac{a_n - r - \frac{r}{n+1}}{r_{n+1}} < 0$$

$$\frac{a_n - 1}{r_{n+1}} < 0$$



$$a_n - 1 < 0$$

$$n < \frac{1}{r}$$

$$a_n + 1 < 0$$

$$n < -\frac{1}{r}$$

$$e_n = \frac{r}{n} + 10n$$

$$r_x - \frac{r}{x} + 10 \times \frac{10}{x} = -\frac{9}{x} + \frac{100}{x} = \frac{91}{x} = r_y$$

$$-1/2 - 1/2 = -1$$

$$a_n + b_n + c_n$$

$$n^2 - n - 5$$

$$(9)^2 - 9 - 5 = 84$$

$$\begin{matrix} e_1 = 1 \\ e_2 = 10 \end{matrix}$$

$$\Delta n + r$$

$$\Delta(9) + r = 84$$

$$n^2 - n - 5 = \Delta n + r$$

$$n \times n - 5 = r$$

$$n = 9$$