

4x^2 + (m+5)x + m = 0 \rightarrow m = 3
 \rightarrow 4x^2 + 9x + 3 = 0 \rightarrow x = -\frac{1}{4} \rightarrow \lim_{x \rightarrow -\frac{1}{4}} \frac{\sqrt{4|x+1/4|}}{x+1/4} = 2\sqrt{2} + 9
 \Rightarrow \frac{\sqrt{4}}{4} = 2\sqrt{2} + 9 \Rightarrow 1/2 = 2\sqrt{2} + 9 \Rightarrow \boxed{2\sqrt{2} + 9}

در ضابطه ۱ با
 استخراج است
 حاصل می شود
 محاسبه می کنیم
 محاسبه می کنیم
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صورت است چون ضابطه صورت به ازای همی متناهی است و صفت است.

$$f(n) = \frac{n^2 + 9n + 5}{n-1} \xrightarrow{n \rightarrow \infty} 1 + 9 + 5 = 15$$

$$\textcircled{5} \rightarrow \frac{5}{1} \cdot b(n - [-5]) = b(n+5) = b(10)$$

$$\Rightarrow \frac{28}{-69} = -\frac{v}{9} \Rightarrow 10 \cdot b = \frac{v}{9}$$

$$\rightarrow 9b = \frac{v}{10} \quad \checkmark$$

$$f(n) = a([n] + 1) + b([a] + 1)$$

$$\Rightarrow f(n) = a[n] + \cancel{a} + b[n] + b[a] + \cancel{b} \Rightarrow a = -b$$

$$\Rightarrow f(n) = b[a] \Rightarrow \frac{a[a]}{b[a]} = \frac{a}{b} = -1$$

حاصل

$$f(n) = 5[n^2 - 8n] - 28 \rightarrow f(n) = -28$$

$$\frac{f}{-28} = \left(\frac{1}{-28} \right)$$

$\lim_{n \rightarrow \infty} \frac{n^2 + mn + n}{n - n} = 2 \rightarrow \text{HOP} \frac{2n + m}{-1} = 2 \rightarrow m = -2n - 2 \rightarrow (-4)$ $f(19) \rightarrow \varepsilon n^2 - \varepsilon n^2 - \varepsilon n + n \rightarrow n = \varepsilon n \rightarrow 1$ $n^2 + (-2n - 2)n + \varepsilon n \xrightarrow{n=\varepsilon} \varepsilon^2 - 2\varepsilon^2 - 2\varepsilon + \varepsilon = 0 \rightarrow \varepsilon = 2$ $n - m = 1 - (-4) = 1 + 4 = 5$	۶
$\lim_{x \rightarrow 1} \frac{x^2 - 1}{x - 1} = 0 \rightarrow \lim_{x \rightarrow 1} \frac{x+1}{1} = 2$ $\lim_{x \rightarrow 1} \frac{x^2 - 1}{x - 1} = 0 \rightarrow x^2 - 1 = 0 \rightarrow x = 1$ $\lim_{x \rightarrow 1} \frac{x^2 - 1}{x - 1} = 0 \rightarrow x^2 - 1 = 0 \rightarrow x = 1$	۷
$\lim_{n \rightarrow \infty} \frac{n^2 + 5n - 5}{n^2 - 11n + 11} = \frac{4}{4}$ $\lim_{n \rightarrow \infty} \frac{n^2 + 5n - 5}{n^2 - 11n + 11} = \frac{4}{4}$	۸
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