

عرفان حقیقی یا زده سیر A

الف)  $f(r) - \omega \Rightarrow \omega \checkmark$

(٢) (١)

ب)  $f(r) - \omega \Rightarrow \omega \checkmark$

الف)  $f[1,1] - \omega \Rightarrow \omega \checkmark$

ب)  $f[2,9] - \omega = 1 \checkmark$

(٢) / ٢

الف)  $[f_n] - \omega \xrightarrow{n > r \Rightarrow f_n > \Lambda} \Lambda - \omega = \omega \checkmark$

(٢) / ٣

ب)  $[f_n] - \omega \xrightarrow{n < r \Rightarrow f_n < \Lambda} \omega - \omega = \omega \checkmark$

$\lim_{n \rightarrow r^+} f_n - \omega \Rightarrow [\omega] = \omega \checkmark$        $\lim_{n \rightarrow r^-} f_n - \omega \Rightarrow [\omega] = \omega \checkmark$

(٢) (٢)

الف)  $\lim \frac{f_n - \omega}{n - \omega} \begin{cases} \xrightarrow{\mu^+} \frac{9}{. +} = +\infty \checkmark \\ \xrightarrow{\mu^-} \frac{9}{. -} = -\infty \checkmark \end{cases}$

(٢) (٥)

$$\rightarrow) \lim_{n \rightarrow \infty} \frac{f_{n-\mu}}{(n-\mu)^2} \begin{cases} \mu^+ & \frac{9}{. +} = +\infty \checkmark \\ \mu^- & \frac{9}{. +} = +\infty \checkmark \end{cases}$$

الف)  $\lim_{n \rightarrow \infty} \frac{f_{n-\mu}}{\sqrt{n-\mu}} \begin{cases} \mu^+ & \frac{9}{. +} = +\infty \checkmark \\ \mu^- & \text{ن} = \checkmark \end{cases} \quad (2) \checkmark$

$$\rightarrow) \lim_{n \rightarrow \infty} \frac{f_{n-\mu}}{\sqrt{n^2 - n + \mu}} \begin{cases} \mu^+ & \frac{9}{. +} = +\infty \checkmark \\ \mu^- & \text{ن} = \checkmark \end{cases}$$

1	μ
+	-
+	+

الق)  $\lim_{n \rightarrow \infty} \frac{f_{n-\mu}}{(n-\mu)(n-\mu)} \begin{cases} \mu^+ & \frac{9}{. -} = -\infty \checkmark \\ \mu^- & \frac{9}{. +} = +\infty \checkmark \end{cases} \quad (2) \checkmark$

μ	μ
+	-
+	+

$$\rightarrow) \lim_{n \rightarrow \infty} \frac{f_{n-\mu}}{[n-\mu]} \begin{cases} \mu^+ & \text{ن} = \checkmark \\ \mu^- & \frac{9}{-1} = -9 \checkmark \end{cases}$$

$$\lim_{n \rightarrow \infty} [f_n] + [-r_n] \begin{cases} \mu^+ & [f(\mu, 1)] + [-r(\mu, 1)] = r \\ \mu^- & [f(\mu, 1)] + [-r(\mu, 1)] = r \end{cases} \quad (2) \checkmark$$

$$\rightarrow \lim [-f_n] + [r_n]$$

$-y^+$

$$[-f(-2, 9)] + [r(-2, 9)] = 11$$

$-y^-$

$$[-f(-4, 1)] + [r(-4, 1)] = 11$$

(2) / 9

$$\lim [n^r - r^n] \begin{cases} r^+ & [(r, 1)^r - r^n(1, 1)] = -r^6 \checkmark \\ r^- & [(1, 9)^r - r^n(1, 9)] = -r^6 \checkmark \end{cases}$$

$$\Rightarrow \lim [4n - n^r] \begin{cases} r^+ & [4(r, 1) - (r, 1)^r] = 1 \checkmark \\ r^- & [4(1, 9) - (1, 9)^r] = 1 \checkmark \end{cases}$$


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(2) / 1.

$$\lim \frac{|n-r|}{(n-1)(n-r)} \begin{cases} r^+ & \frac{n-r}{(n-r)(n-1)} = \frac{1}{1} = 1 \checkmark \\ r^- & \frac{-n+r}{(n-r)(n-1)} = \frac{-1}{1} = -1 \checkmark \end{cases}$$

$$\Rightarrow \lim \frac{n - [n]}{n^r - 1} \begin{cases} r^+ & \frac{n-1}{(n-1)(n+1)} = \frac{1}{r} \checkmark \\ r^- & \frac{n}{n^r - 1} = \frac{1}{r} = -\infty \checkmark \end{cases}$$