

$$\textcircled{1} - \gamma^+ \rightarrow 0$$

$$Y - a = 0$$

② $r^- \rightarrow r-a$

$$\Rightarrow a = 2$$

$$(v) \left[\frac{a}{v} \right] = \left[\frac{r}{v} \right] = 0$$

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① $\lim_{x \rightarrow \infty} \left[x \left(\frac{1}{x} \right)^x - 1 \right] = \lim_{x \rightarrow \infty} [0] = -1$

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$$\textcircled{1} \lim \left[\ln \left(-\frac{1}{x} \right) + \frac{1}{x} \right] = \textcircled{-1}$$

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$$\textcircled{1} \lim_{n \rightarrow (-\frac{1}{r})^-} \frac{\ln n - a + [\frac{r}{1-\frac{1}{r}}]}{\ln n - [-\frac{r}{\frac{1}{r}}]} = \lim_{n \rightarrow (-\frac{1}{r})^-} \frac{\ln n - a + 11}{\ln n + 1} = \frac{\ln n + 11}{\ln n + 1} = \frac{\infty}{\infty} = \frac{1}{0^-} = -\infty$$

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$$\lim_{n \rightarrow 1^+} \frac{1 - \cos^2 \pi n}{1 + \cos \pi n} = \frac{(1 - \cos \pi n)(1 + \cos \pi n)}{1 + \cos \pi n} = 1 - \cos \pi n$$

$$\lim_{\lambda \rightarrow 1^+} 1 - \cos \pi \lambda = 0$$

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