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$\frac{1}{4}$

$$\frac{5r \frac{1}{r} \times \frac{1}{r} \frac{1}{r}}{\frac{1}{r}} = \frac{1}{r}$$

Ex 11.11 $D_A^{-1} \cdot (r_D + D_A) \quad (r)$

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$$y' \cdot (n-1)^r + r \rightarrow \sqrt{y-r} \cdot \sqrt{(n-1)^r} \rightarrow |n-1| \cdot \sqrt{y-r} \rightarrow n-1 \cdot \sqrt{y-r}$$

$$Q_2^{-1} \in \{4, \infty\}$$

$$y = 4$$

~~$y^{-1} \sqrt{n-r+1}$~~

$$y = r_m - \sqrt{14 - 14m + 6m^r} \Rightarrow r_m - \sqrt{f(m-r)^r} - r | m-r |$$

$$\frac{f(m^r - rm + c)}{(m-r)^r}$$

$$\frac{r_m + r_m - c}{(m-r)^r}$$

$$\begin{array}{c|c} T_m + T_m - \epsilon & T_m - T_m + \epsilon \\ \hline \epsilon m - \epsilon & \uparrow \end{array}$$

Ans: 0

②

$$y = f_m - f \quad \text{Ans!} \rightarrow f_m = y + f \quad y \neq \frac{y+f}{f}$$


 $S = R(1+r)$

20 $\frac{y}{\sqrt{x^2 - a^2}} \rightarrow y' \cdot \frac{x^2 - a^2}{x^2 - a^2} \rightarrow y' \cdot \frac{x^2 - a^2}{x^2 - a^2} = y' \cdot \frac{x^2 - a^2}{x^2 - a^2}$ (K)

$$u_1 \cdot \frac{u_1^r}{u_1^r - \alpha} \cdot \frac{u_1^r}{u_1^r - \alpha} \Rightarrow u_1^r = u_1^r \cdot \frac{u_1^r}{y_1^r - 1} \rightarrow y_1^r \cdot \frac{d u_1^r}{u_1^r - 1} + y_1^r \cdot \frac{d u_1^r}{u_1^r - 1}$$

صحت (+) قابل قبول است چون «دو» هم علامت حسن است ✓

$$g(n) = \begin{cases} n^r - \text{for } n \geq k & n \geq r \xrightarrow{R} [k-2, +\infty) \\ -n^r + 4n + r^2 k & n < r \xrightarrow{R} (-\infty, r^{k+1}) \end{cases}$$

$$|k-2| \geq |k+1|$$

$$2k \leq -12 \rightarrow k \leq -6$$

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$$f(u) = r_m + |u| \xrightarrow{u \geq 0} f(u) = r_m + u \xrightarrow{f^{-1}(u)} \frac{u}{1} \quad (4)$$

$$a = \frac{1}{\epsilon} + \frac{1}{r} \quad \frac{r}{\lambda} \quad n = 1 \quad \frac{1}{\epsilon} \quad b = \frac{1}{\epsilon} - \frac{r}{\lambda} = -\frac{1}{\lambda}$$

$$f(u) = \frac{r_m + \epsilon}{u + m} \xrightarrow{u \geq r} \ln \frac{1}{r + m} \rightarrow \ln \frac{1}{r} - \ln m = \ln \frac{1}{r} - \ln m = -\ln m = -r \quad m = -r$$

$$f^{-1}(u) \xrightarrow{y + \epsilon} \frac{r_m + \epsilon}{y - r} \xrightarrow{f^{-1}} \frac{r_m - \epsilon}{r - u}$$

$$f^{-1}(u) + \ln f^{-1}(u) \xrightarrow{-r_m - \epsilon} \frac{-r_m - \epsilon}{r - u} + u = u \xrightarrow{-r_m - \epsilon} -r_m - \epsilon \Rightarrow -r_m - \epsilon \leq u$$

$$f(r - m) = r - g\left(\frac{u}{r}\right) \rightarrow g\left(\frac{u}{r}\right) = r - f(r - m) \rightarrow r - f(r - m) = \epsilon \quad (1)$$

$$r - g\left(\frac{u}{r}\right) = -r \quad g\left(\frac{u}{r}\right) = r \quad g^{-1} \left| \frac{r}{\frac{u}{r}} \right. \quad f \circ g^{-1}(\epsilon) + f^{-1}(-r) = r \times \frac{u}{r} + r \times m = r_m + r - m \leq r$$

$$y = \frac{am - 1r}{1 - u} \xrightarrow{u = -u} y = \frac{-am - 1r}{1 + u} \xrightarrow{(u-r)} y = \frac{-a(u-r) - 1r}{1 + (u-r)} = r$$

$$f = \frac{am + r}{u - 1} = r \rightarrow \frac{am + r - rm + r}{u - 1} \rightarrow f = \frac{rm + 4}{u - 1} \rightarrow f^{-1} \frac{ry + 4}{y - 1} = u$$

$$f^{-1} \frac{u + 4}{u - r} \quad \frac{u + 4}{u - r} = \frac{rm + 4}{u - 1} \Rightarrow u^r + am - 4 = rm^r + rm - 1r \quad u^r - rm - 4 \rightarrow 5 = r$$

$$[y] = [u] + \epsilon[u] \rightarrow [y] = [u] \rightarrow f^{-1}(u) = u - \frac{1}{\lambda}[u] \quad f(u) = m + f[u] \rightarrow y = -m + f[-u] \quad f \circ g = u + \epsilon[u] - u + \frac{1}{\lambda}[u] = \frac{1}{\lambda}[u]$$