

B पास

A Giv lab

$$x^r + r a = x^r - \epsilon \quad a = -r \quad \text{---} \quad \textcircled{2}$$

$$a^r + a = \epsilon m^r - b^r \quad \text{---} \quad \textcircled{1}$$

if $a = r \quad m^r - b^r - a \quad 1r - b^r - a = r^r$

$$b^r + a = a \quad r m + b \rightarrow \epsilon + b = r^r \quad b = -1$$

$$f(m) = r \rightarrow \frac{f(a) \cdot r}{r \cdot b} \rightarrow f(a) = 1a \rightarrow a = 11 \quad a = 11$$

$$\frac{m^r + a}{r m + 1} = \frac{r}{r} = r \quad f(m) = \frac{a^{r+1}}{r m + 1} \rightarrow f(1) = \frac{1^r}{r} = r$$

$$r(m+1)(m-\epsilon) \rightarrow r m^r - r m - 1 \quad \text{---} \quad \textcircled{2}$$

$$a = r \quad b = 1 \quad f(1) = -\frac{a}{1r} \quad \checkmark$$

$$-\epsilon(m+1)^r = -\epsilon m^r - \epsilon m - \epsilon \quad \begin{matrix} \downarrow a \\ \downarrow b \end{matrix} \quad \text{---} \quad \textcircled{2}$$

$$-K = a + b \quad \checkmark \quad \text{---} \quad \textcircled{2}$$

$$-r \leq m < r \quad \Delta \subset \circ \quad m^r - \epsilon \subset \circ \quad m^r \in \epsilon - km < r \quad \text{---} \quad \textcircled{2}$$

$$(m-1)^r \rightarrow m^r - r m + 1 \quad \checkmark \quad m = -r \quad \text{---} \quad \textcircled{2}$$

$$\epsilon - \frac{1}{m} > 0 \Rightarrow \frac{1}{m} < \epsilon$$

4

(P)

$$m^r \leq \frac{1}{\epsilon}$$

$$(m \geq \frac{1}{\epsilon}, m \leq \frac{1}{\epsilon})$$

✓

 $\Delta \leq 0$

$$\{m^r - \epsilon m \leq 0 \quad m(m-1) \leq 0\}$$

-1

(P)

$$0 \leq m \leq 1$$

$$m \geq 0 \rightarrow a \geq 0$$

✓

$$\text{if } (m) = \frac{1}{\epsilon}$$

$$r_{m+1} \rightarrow r = r+k \quad k=0$$

(P) -1

$$\{m+k$$

$$r_{m-1} \neq 0 \rightarrow m \neq \frac{1}{\epsilon} = a$$

$$a+k = \frac{1}{\epsilon}$$

✓

$$\text{if } (m) = 1$$

$$r+b = \frac{9-\epsilon}{a} = 1 \quad b = r$$

(P)

-9

$$-ra+r = -r-r$$

$$-ra = -r$$

✓ $a=r$

$$a-b = r+r = 2a$$

2/0

$$ra^r + r a = \epsilon$$

$$a^r + a = r$$

$$\text{or } (a-1)(a+r)$$

$$\leftarrow (a-1)(a+r)$$

$$a=1 \quad a=-r$$

(P)