

17, 15

(A) 100

$$\frac{a}{q} + a + aq = r1 \Rightarrow a^r = r1 \quad [a, r] \quad \checkmark \quad 0, 1, \omega$$

0, 1, \omega

$$\frac{a}{q} + a + aq = r1 \Rightarrow \frac{a}{q} + \frac{aq}{q} + \frac{aq^r}{q} = r1$$

$$\frac{r}{q} + r + rq = r1$$

$$\frac{a}{q} (q + q^r) = r1$$

$$r + \epsilon q + \epsilon q^r = r1$$

$$\frac{r}{q} (q + q^r) = r1$$

$$r \times \frac{1}{q} (q + q^r) = r1$$

$$\epsilon a^r + \epsilon q - 1 = 0 \quad q = \frac{1}{\epsilon} \quad \checkmark$$

$$1 + q = \frac{r1}{\epsilon} \quad q = \frac{r1}{\epsilon} - \frac{1}{\epsilon}$$

$$q = \frac{1}{\epsilon} \quad \checkmark$$

$$x^r - r, r x, x^r + r$$

$$(rx)^r = (x^r - r)(x^r + r)$$

$$rx^r = x^r + rx^r - rx^r - r$$

$$rx^r = x^r + rx^r - r$$

$$\Rightarrow x^r - rx^r - r = 0 \quad \Delta = b^2 - 4ac$$

$$r - r \times 1 \times -1 = (r)$$

$$x^r = \frac{-b \pm \sqrt{b^2 - 4ac}}{2a}$$

$$\frac{r \pm \sqrt{r^2}}{\epsilon}$$

$$\frac{\Delta}{r} \leq \epsilon$$

$$\lambda_0 - \epsilon, r, \epsilon$$

$$\lambda_0, r, r \quad \checkmark$$

$$n = r \quad \omega q \leq \frac{1}{r}$$

$$1, q, q^r, q^r, q^r = \frac{r1}{\lambda 1}$$

$$aq^{n-1} = a = r r r$$

$$a + aq + aq^r + aq^r + aq^r$$

$$a(1 + q + q^r + q^r + q^r) = \frac{r1}{\lambda 1} \times r r r = r r r$$

$$A \quad r r \quad \Rightarrow a + (n-1)d = 1 + r d = A \quad 4$$

$$B \quad r r \quad \Rightarrow aq^{n-1} = 1q^r = B \quad q = r r$$

$$d = \frac{r r - 1}{n+1 = r} = 1, \omega \quad r + r d \leq A = r r, \omega$$

$$q^r = \frac{r r}{1} = q^r \Rightarrow r \Rightarrow$$

$$r r / \omega + r \leq r r / \omega$$

$$A + B = r r, \omega + 1 = r r, \omega$$

$$q = -r$$

$$A + B = r r, \omega$$

$$Arman \quad B = -1$$

$$-r^f, -\frac{q^d}{f}, \dots$$

$$a_{1.1} = -r^f (1.00) d = 1 - \omega$$

$$a_{1.1} = 1r^f q^v \quad \} =$$

$$\hookrightarrow r^f q^v = 1$$

$$(r^f q)^v = 1$$

$$r^f q = 1 \quad q = \frac{1}{2}$$

$$a_r \quad a_v \quad a_q$$

$$a+r^d \quad a+q^d \quad a+1^d$$

$$(a+q^d)^r = (a+r^d)(a+1^d) \Rightarrow a^r + r^f q^d r^r + 1r^d a = a^r + 1r^d a + r^d a + 1q^d r^r$$

$$r^f q^d r^r + r^d a = 1q^d r^r$$

$$r^d a + r^d a = 0 \quad r^d a = -r^d a$$

$$r^d a = -r^d a$$

$$d = -\frac{r}{r^d} a$$

د = -r/a

$$a_r \quad a_f \quad a_1$$

$$a_{1.1} = \frac{1}{4} q^v$$

$$a+d \quad a+r^d \quad a+v^d$$

$$(a+r^d)^r = (a+d)(a+v^d) = a^r + r^f d^r + r^d a = a^r + v^d a + r^d a + v^d r^r$$

$$r^f d^r = r^d a$$

$$d = r^d a \hookrightarrow \frac{1}{4} \times \left(\frac{1}{4}\right)^r$$

$$r^d a_r = r^d a_f = a_f$$

$$r(a_q) = r(a_q r^r) = (a_q r^r)$$

$$r(r a_q r^r) = r a_q + a_q r^r \sim r a_q r^r = r a_q + a_q r^r \sim r a_q r^r = a_q (r^r + q^r)$$

$$q^r - r^f q + r^r = 0 \quad (q-1)(q-r^r) = 0$$

$$r^r, \frac{v}{f}, \dots$$

$$a_r, a_f, a_1; a_{1.1} \Rightarrow a_f, a_f + r^d, a_f + q^d \Rightarrow a_f + \theta, (a_f + r^d) + \theta, (a_f + q^d) + \theta$$

$$a_f + \theta = k \quad k, k+r^d, k+q^d \Rightarrow (k+r^d)^r = k(k+q^d) \Rightarrow k^r + 1r^d k + 1q^d k$$

$$= k^r + 1q^d k \rightarrow 1r^d k = k^r$$

$$a_1, a_r, a_v$$

$$a + a q^r + a q^v = v r$$

$$q=1 \quad d = a q^r = a = v r$$

$$r^d a = v r \Rightarrow a = \frac{v r}{r^d}$$

$$a_1, a_r, a_{1.1}$$

$$a, a+r^d, a+q^d \Rightarrow (a+r^d)^r = a(a+q^d) \Rightarrow a^r + r^f d^r + r^d a = a^r + q^d a$$

$$r^d a + 1.0 a = v r$$

$$r^d \left(\frac{d}{v}\right) + 1.0 d$$

$$d = v$$

$$d^r = v a d$$

$$v a = d$$

Arman