

(طها بعمري) 1915 (بنالضرا)

$$t_1 = \xi_0 \quad h = \frac{y_1 - \xi_0}{y} = y$$

$$t_2 = y_1$$

$$\xi_0 + (n-1)y = 208$$

$$n = 15$$

✓

$$y = 10 - 17 - 28 = \dots$$

$$y + (n-1)y$$

$$t_n = yn - \xi$$

$$100 \leq yn - \xi \leq 999$$

$$10 \leq yn \leq 1000$$

$$\frac{10 \xi}{y} \leq n \leq \frac{1000}{y}$$

$$14 \leq n \leq 143$$

(b)

$n \rightarrow$ max

$$a_{n+1} + a_{n+r} + a_{n+s} = -yn + 17$$

$$(5119)$$

✓

$$n=1 \quad \alpha r + \alpha w + \alpha \varepsilon = \gamma$$

$$n=\gamma \quad \alpha r + \alpha \varepsilon + \alpha x = 0 \quad \rightarrow \alpha x - \alpha r = -\gamma$$

$$\alpha_1 + \varepsilon d - \alpha_1 - d = -\gamma \quad \rightarrow \quad \gamma d = -\gamma \quad \rightarrow \quad d = -1$$

$$\alpha r + \alpha w + \alpha \varepsilon = \gamma \alpha_1 + \gamma d = \gamma \quad \rightarrow \quad \alpha_1 = \gamma$$

$$a_{1V} + \alpha r = \gamma \alpha_1 + \gamma d = \gamma \quad \rightarrow \quad \gamma \varepsilon$$

P

$$(r \times r) - (r^n - 1) = (r^n - r^n) - (r \times r) \quad \varepsilon$$

$$r^{n+1} = r^n - r - r^{n+1}$$

$$r^n + \varepsilon = r^n - r^{n+1} \rightarrow r^n = r$$

ρ

$$r^n - 1 = r^n$$

$$r^{n+1} = r^n - r^n + 1 = r \varepsilon$$

$$r^{n+1} - r^n = 1$$

$1, v_0$

$$a_{10} - a_{11} = a \quad - r d = a \quad d = -r/a$$

$$a_{10} + a_{11} = r a \quad r a_1 + r_0 d = r a$$

$$-a_0 \rightarrow \frac{v_0}{r} = \frac{r v_0}{a}$$

$$r a_1 = v a \rightarrow a_1 = r v/a$$

$$r a_1 = r v/a + r_0 \times (-r/a) \rightarrow r v/a - r_0 r/a = -1 v/a$$

$$SI = \frac{a_1 + a_0}{r} = \frac{a(a_1 + r_1)}{r}$$

$$SR = \frac{a_1 + a_0}{r} = \frac{a(a_1 + r_1)}{r}$$

$$SI = \frac{1}{r} SR \quad a(a_1 + r_1) = \frac{1}{r} (a_1 + r_1)$$

$$a + r_1 = \frac{1}{r} (a_1 + r_1)$$

$$a_1 = a_1 + r_1 - r_1$$

(r)

$$(r a_1 = r_1)$$

$$\frac{r_1}{r_1} = \frac{r a_1}{a_1} = r_1$$

$$\Delta x = (a_1 + r a_1) \times n$$

$$t_n = t_n - r + r d$$

$$t_n - r + r d = t_n - r + d \rightarrow d = r$$

$$\frac{t a - t a^r}{t V} = \frac{(a_1 + r a_1^r) - (a_1 - r d)}{a_1 + r a_0}$$

$$\frac{a_1 + r a_0 + 1 r d a_1 - a_1 - r a_0}{a_1 + r a_0} = \frac{1 r a_0 + 1 r d a_1}{a_1 + r a_0}$$

$$\frac{1 r a_0 + 1 r d a_1}{a_1 + r a_0} \rightarrow \frac{r a_0 (1 + d)}{a_1 + r a_0} = r$$

$$\frac{x + \sqrt{x} - x + 12\sqrt{x}}{12} = \frac{12\sqrt{x}}{12} = \sqrt{x} = 12 \quad \gamma$$

g

$$\frac{12-12}{12-12} = \frac{12}{12-12} = 1 \quad \gamma$$

1/0

$$\frac{11-1}{11-1} = \frac{1}{11-1} = \frac{1}{10}$$

$$a_{n+1} = a_1 + (n+1-1)d = 11 \rightarrow nd = 9$$

$$nd - d = 10 \quad nd = 4 \quad \begin{cases} d = 12 \\ n = 12 \end{cases} \quad n = 12$$

$$12 \cdot 12 - 12 = 144 - 12 = 132$$

