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1. 2. 3. 4. 5. 6. 7. 8. 9. 10.

Subject:

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$$A^T = A^T = A^T$$

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$$a_1 = \epsilon$$

$$a_2 = a + 1$$

$$a_3 = r$$

$$-r$$

$$a_4 = r$$

$$a_5 = a + 1$$

$$a_6 = r = 19$$

$$a_{10}$$

$$a_7 = 0$$

$$a_8 = a + r$$

$$a_9 = 1$$

$$a = -r$$

$$\left[\frac{n}{k+r} \right] + a$$

$$-r$$

$$n = k+r$$

$$\left[\frac{k-r}{k+r} \right]$$

$$\sum_{k=0}^a \left[\frac{k-r}{k+r} \right]$$

$$-1 - 1 + 0 + \dots + 0 = -r$$

$$a_n = an^n + bn + c$$

$$a = \frac{1}{V_0} \times (-a_0) = \frac{-1E}{V_0} = \frac{-1}{V_0}$$

$$\frac{-1}{V_0} \times 1 + a + b + c = 1E \Rightarrow -a + ab + c = 1E$$

$$ab + c = 1E$$

$$\frac{-1}{V_0} \times 1 + 1 + Vb + c = 1V, 1 \Rightarrow -a + 1 + Vb + c = 1V, 1$$

$$Vb + c = 1V$$

$$Vb + c = 1V$$

$$ab + c = 1E$$

$$Vb = 1 \quad b = \frac{1}{V}, c = -1$$

$$a_n = \frac{-1}{V_0} n^n + \frac{1}{V} n - 1 \Rightarrow a_1 = \frac{-1}{V_0} + \frac{1}{V} - 1 = \frac{-1E}{V_0}$$

$$a_1 a = \frac{-1}{V_0} \times 1 + 1 + (-1) = 1E$$

(1, 1)

$$\frac{1E}{\frac{1E}{V_0}} = \boxed{V_0}$$

$$a_E = a_1 + r d$$

$$a_1 = a_1 + r d$$

$$t_1 = 1 \cdot a + b = 0$$

$$b = -1 \cdot a \Rightarrow$$

$$t_n = a_n - 1 \cdot a$$

$$a(n-1)$$

$$a_E = t_r = a(1-1) = -1a = a_1 + r d$$

$$a_1 + r d = \underbrace{a(V-1)}_{-r d}$$

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Subject:

Algebra

$$(a_1 + 1^2 d) - (a_1 + 1^2 d) = (1^2 a) - (1^2 a)$$

$$ed = a \Rightarrow d = \frac{a}{e}$$

$$b + a = a(10 - 10) = a \Rightarrow \frac{a + a}{d} = \frac{a \cdot a}{\frac{a}{e}} = \boxed{e}$$

$$b \rightarrow b + d \quad a \rightarrow b + d$$

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Subject:

$$\frac{r}{s}(a+d)^r = a(a+rd)a + r(a+rd)a$$

$$\frac{r}{s}a^r + \frac{r}{s}a^r d + \frac{r}{s}d^r = sa^r + r(a+rd)a$$

$$\Rightarrow \frac{r}{s}a^r - \frac{r}{s}d^r + a^r d = 0 \Rightarrow \frac{r}{s}a^r + a^r d - \frac{r}{s}d^r$$

$$a^r + a^r d - \frac{r}{s}d^r = 0 \Rightarrow (a+rd)(a+rd)$$

$$a = -rd$$

$$\frac{ae}{d} = 1$$

$$a = \frac{r}{s}d$$

$$\frac{ae}{d} = \frac{r}{s}d$$

$$1. b \rightarrow b \quad c \rightarrow b+d \quad a \rightarrow b-d$$

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$$b, \frac{1}{\epsilon}(b-d), \frac{1}{\epsilon}(b+d)$$

$$\Rightarrow \frac{1}{\epsilon}(b-d)^2 = b^2 \times \frac{1}{\epsilon}(b+d)^2 \Rightarrow b^2 - \epsilon b d + d^2 =$$

$$b^2 + b d \Rightarrow d^2 - \epsilon b d = 0$$

$$d(d - \epsilon b) = 0 \quad \begin{matrix} \nearrow \\ \searrow \end{matrix} \quad \begin{matrix} d=0 \\ d=\epsilon b \end{matrix}$$

$$\Rightarrow b, \frac{1}{\epsilon}(b - \epsilon b), \frac{1}{\epsilon}(b + \epsilon b) \Rightarrow b, -b, b$$

$$r = -1 \Rightarrow \boxed{r_x - 1 = -1}$$

$$\begin{array}{ccc} a & , & b & , & c \\ \downarrow & & \downarrow & & \downarrow \\ a & & ar & & ar^2 \end{array}$$

-A

$$c, ra, rb \Rightarrow rb + c = ra$$

$$rar + ar^2 = ra$$

$$ar(r+1) = ra$$

$$r^2 + r - 1 = 0$$

$$D = b^2 - 4ac = 1 + 4 = 5$$

$$r = \frac{-1 \pm \sqrt{5}}{2}$$

$$\frac{ar^2}{ar} = \frac{ar^2}{ar^2} = r^2 \Rightarrow 1, (-1)$$

$$\boxed{1, -1}$$

$$\boxed{1}$$

$$\boxed{-1}$$

$$\frac{ar^2}{ar^2} + \frac{ar}{ar} = r \Rightarrow \frac{r^2}{ar} + \frac{r}{a} = r$$

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$$\frac{r}{a} = x$$

$$x^2 + x = r$$

$$x^2 + x - r = 0$$

$$x = 1 = \frac{r}{a} \rightarrow a = r$$

$$x = -1 = \frac{r}{a} \rightarrow r = -ra$$

$$\frac{ar}{ar} = \frac{a}{r} \rightarrow \frac{a}{ra} = \frac{1}{r} \quad \text{or} \quad \frac{a}{a} = 1$$

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Subject:

$$a_v = \sqrt{a_\epsilon} \Rightarrow a_v^2 = a_\epsilon$$

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$$a_v^2 = a_v^2 \Rightarrow a_v = 1$$

$$a_v = v_v = a_v^2 = a_v^2$$

$$v_v = v_v \quad v = v, a = \frac{1}{v}$$

$$\frac{1}{v} = \frac{1}{v} = \left[\frac{1}{s} \right]$$