

$$a_1 + a_r + a_r = 21$$

$$a_1 \cdot a_r \cdot a_r = 4\varepsilon \rightarrow a \cdot aq \cdot aq^r \quad (aq)^r = 4\varepsilon \quad aq = \varepsilon \Rightarrow a = \frac{\varepsilon}{q}$$

$$\varepsilon(1 + q + q^r) = 21\varepsilon \Rightarrow \varepsilon q^r - 17q + \varepsilon = 0 \rightarrow q = \frac{17 \pm \sqrt{17^2 - 4\varepsilon}}{2} = \frac{17 \pm 10}{2}$$

$$q = \varepsilon$$

$$q = \frac{1}{\varepsilon}$$

$$a_1 = x + \varepsilon \quad a_r = x \quad a_r = x^r - \varepsilon \quad (x\varepsilon)^r = (x + \varepsilon)(x^r - \varepsilon)$$

$$(x\varepsilon)^r - (x + \varepsilon)(x^r - \varepsilon) = 0 \Rightarrow -(x - r)(x + r)(x^r + r) = 0$$

$$a_1 = r + \varepsilon = 1 \quad a_r = x \cdot r = \varepsilon \quad a_r = r \quad S_v = a_1 \frac{1 - q^v}{1 - q} = 1 \times \frac{1 - (1/r)^v}{1 - 1/r} = \frac{1 - 1/r^v}{1 - 1/r}$$

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$$1 + q + q^r + q^r + q^r = \frac{171}{11} \quad a_1 = 12r \quad q = 0.4 \quad (\div 2)$$

$$S_0 = a_1 \frac{1 - q^0}{1 - q} = 12r \times \frac{1 - q^0}{1 - q} \Rightarrow S_0 = 4.4$$

$$a = \frac{4^4 - 1}{4} = 1.1 \cdot 0 = \frac{1}{4}$$

$$A = 1 + 3d = 1 + 3\left(\frac{4^r}{4}\right) = \frac{40}{4}$$

$$B = r^r = r^r = 1$$

$$A + B = 1 + \frac{40}{4} = \frac{41}{4}$$

$$d = \frac{1}{\varepsilon} \Rightarrow a_{1,1} = -4\varepsilon + 10 = 1 \Rightarrow \varepsilon_1 = 1, \varepsilon_1 = r^v \Rightarrow q = \frac{1}{r}$$

$$a_r = a + rd \quad a_v = a + vd \quad a_1 = a + nd$$

$$(a + rd)' = (a + rd)(a + nd)$$

$$(a + rd)^r = (a + rd)(a + nd) \Rightarrow rad + rdn = 0 \Rightarrow rd(a + d) = 0$$

$$d = 0$$

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

$$a_r = A + rd \quad a_E = A + vd \quad a_n = A + vd \quad (A + rd)' = (A + d)(A + vd)$$

$$g_1 = g r^q \cdot \frac{1}{2} (r^q) = r^v = 1 \quad n$$

$$wgr \quad rgr^r \quad gr^w \quad rgr^r - wgr = gr^r - rgr^r \quad \text{eg } rr - r = r^r - r$$

$$r^r - r + r = 0 \Rightarrow (r-1)(r-r) = 0 \quad \boxed{r = r}$$

$$a_E = a + vd \quad a_n = a + vd \quad a_r = a + rd$$

$$(a + vd)' = (a + vd)(a + rd) \quad (a + vd)' = (a + rd)(a + vd)$$

$$a^r + rad + rd^r = a^r + rad + rd^r \Rightarrow -ad + rd^r = 0 \quad r = \frac{a + vd}{a + rd} = \frac{rd + vd}{rd + rd}$$

$$r = \frac{r \cdot}{19} = \frac{0}{E}$$

$$a(1 + r^r \cdot r^r) = vr^r \quad ar^r = a + d' \quad ar^r = a + rd' \quad a + rd' = ar^r \quad d' = ar^r - a = a(r^r - 1)$$

$$a + ra \quad (r^r - 1) = ar^r \Rightarrow gr^r - a = r^r$$

$$a(1 + n + 4E) - vr^r a = vr^r \Rightarrow a = 1 \quad \boxed{d = v}$$