

کلاس: دهم (فصل)

با توجه به تشریحی کلید شماره ۱۵:

نام و نام خانوادگی: آلا و ش. به سیر

$$a+d, a+rd, a+vd \rightarrow a_1 = a_r = \frac{1}{r} \rightarrow a+d = \frac{1}{r} \quad ac = b^r$$

$$(a+d)(a+vd) = (a+rd)^r \rightarrow \cancel{a^r} + \frac{vad+ad+vd^r}{\cancel{rad}} = \cancel{a^r} + \cancel{rad} + \cancel{ad^r}$$

$$rad = rd^r \rightarrow a = d \rightarrow a+a = \frac{1}{r} \rightarrow a = \frac{1}{\lambda} = d$$

$$\frac{1}{r}, \frac{1}{r}, 1 \rightarrow q = r, a = \frac{1}{r} \quad a_{10} = ar^9 \rightarrow a_{10} = \frac{1}{r} \times r^9 \rightarrow a_{10} = \frac{1}{r} \times \frac{1}{r} \rightarrow a_{10} = \frac{1}{r^2} \quad \text{جواب}$$

$$\frac{ra_r}{ra_r}, \frac{ra_r}{ra_r}, a_r \rightarrow a+c = rb \rightarrow rar + ar^r = rar \rightarrow ar(r+r^r) = rar \rightarrow r+r^r = rr$$

$$r^r - rr + r = 0 \rightarrow (r-r)(r-1) \rightarrow r=r \leq r=1$$

$$r=r \rightarrow qa, la, rva \rightarrow +qa + qa$$

$$r=1 \rightarrow ra, ra, a \rightarrow -la - la \quad \text{جواب } r=r$$

$$r, \frac{v}{r}, \dots \rightarrow ar = a+d \rightarrow \frac{v}{r} = r+d \rightarrow \frac{v}{r} - \frac{\lambda}{r} = d \rightarrow d = \frac{-1}{r} \quad a_r = a+rd \rightarrow a_r = r - \frac{r}{r} \rightarrow a_r = \frac{0}{r}$$

$$a_{11} = a+vd \rightarrow a_{11} = r - \frac{v}{r} \rightarrow a_{11} = \frac{1}{r} \quad a_{12} = a+rd \rightarrow a_{12} = r - r \rightarrow a_{12} = -1$$

$$\frac{0}{r}, \frac{1}{r}, -1 \xrightarrow{+x} \frac{0}{r} + x, \frac{1}{r} + x, -1 + x \quad ac = b^r \rightarrow (\frac{0}{r} + x)(x-1) = (\frac{1}{r} + x)^r \rightarrow$$

$$\frac{0}{r}x - \frac{0}{r} + x^r - x = \frac{1}{r} + \frac{1}{r}x + x^r \rightarrow \frac{-1}{r}x = \frac{r1}{r} \rightarrow -x = \frac{r1}{r} \rightarrow x = -\frac{r1}{r}$$

$$\frac{0}{r} \frac{r1}{r}, \frac{1}{r} - \frac{r1}{r}, -\frac{r}{r} - \frac{r1}{r} \rightarrow -r, -\frac{0}{r}, -\frac{r0}{r} \rightarrow q = \frac{-0}{-r} = \frac{0}{r} \quad \text{جواب}$$

$$a_1 + a_r + a_v = vr \rightarrow a + ar^r + ar^v = vr \rightarrow a(1+r^r+r^v) = vr$$

$$a_1, a_r, a_{10} \rightarrow a, a+d, a+vd \quad a+d = ar^r \rightarrow d = a(r^r-1)$$

$$a+ad = ar^r \rightarrow d = \frac{a(r^r-1)}{a} \rightarrow a(r^r-1) = \frac{a(r^r-1)}{a} \rightarrow d = \frac{a(r^r-1)}{a} \rightarrow a=0 \rightarrow d=0$$

$$r^r-1 = \frac{(r-1)(r+1)}{a} \rightarrow 1 = \frac{r+1}{a} \rightarrow a = r+1 \rightarrow r^r = \lambda \rightarrow r = r$$

$$a(1+\lambda+re) = vr \rightarrow a=1 \quad d = a(r^r-1) = 1(\lambda-1) \rightarrow d = v$$