

|                                                                                                                                                                                                                                                                                                                  |                                 |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------|
| $\left. \begin{aligned} 1^2 + 2^2 + 3^2 + \dots + n^2 \\ 2^2 + 3^2 + 4^2 + \dots + (n+1)^2 \end{aligned} \right\} \Rightarrow 1^2 + 9 + 16 + 25 + \dots + n^2$ $\Delta = 225 \Rightarrow \sqrt{\Delta} = 15$ <p>مغنون چون ۱۵ نیز جابجایی<br/>سوال خوانات</p> $q = \frac{15+15}{8} = 0$ $q = \frac{15-15}{8} = 0$ | <p>۱۲,۵</p> <p>۱۵۰</p> <p>✓</p> |
| $2x^2 + 2x^2 - \Lambda = 2x^2 \Rightarrow 2x^2 - 2x^2 - \Lambda = 0 \Rightarrow x = 1, 2 \Rightarrow x = 2$ $\Lambda = 14, 2, \dots \Rightarrow \Delta_V = \Lambda \left( \frac{1 - (\frac{1}{2})^V}{\frac{1}{2}} \right) = 14 - \left( \frac{1}{2} \right)^V = \frac{127}{\Lambda}$                             | <p>۲</p> <p>۲</p> <p>✓</p>      |
| $1 + q + q^2 + q^3 + q^4 = \frac{121}{\Lambda_1}, \Lambda = 243$ $a + aq + aq^2 + aq^3 + aq^4 = a(1 + q + q^2 + q^3 + q^4) = 144 \times \frac{121}{\Lambda_1} = 343$                                                                                                                                             | <p>۳</p> <p>۲</p> <p>✓</p>      |
| $A = \frac{4^4 + 1}{2} = 32, 8$ $B^2 = 4^4 \times 1 \Rightarrow B = \Lambda \rightarrow \dots$ $\Rightarrow B + A = 40, 8$ $32, 8 - \Lambda = 24, 8$                                                                                                                                                             | <p>۴</p> <p>۱۵۰</p> <p>✓</p>    |
| $b_n = -24, \frac{1}{4}, \dots, a_n = 128, \dots$ $b_n = -24 + (n-1) \frac{1}{4}, a_n = 2^4 q^{n-1}$ $b_{1.1} = a_{1.1} \Rightarrow -24 + 24 = 2^4 q^0 \Rightarrow 2^4 = q^0 \Rightarrow q = \frac{1}{4}$                                                                                                        | <p>۵</p> <p>۲</p> <p>✓</p>      |

$$(a+rd)(a+rd) = (a+rd)^2 \Rightarrow a^2 + 2ard + r^2d^2 = a^2 + 2ard + r^2d^2$$

$$\cdot rad \cdot r \cdot d^2 \Rightarrow ad + 1 \cdot d^2 \Rightarrow d = \frac{-a}{1}$$

✓

$$(a+rd)(a+rd) = (a+rd)^2 \Rightarrow rad \cdot rd^2 \Rightarrow a = d$$

$$q = \frac{b_r}{b_r} = \frac{rd}{rd} = 1 \Rightarrow b_v = \frac{1}{r} r^q \text{ or } V = 1/r$$

✓

$$ra^q + ra^q = 2a^q \Rightarrow q = 1 + \sqrt{2}, q = 1 - \sqrt{2}$$

$$a^2 (x^2 - 4x + 3) = 0 \Rightarrow x = 0 \rightarrow x = 1$$

$$\downarrow q = 3$$

✓

$$a_{1/2} = \frac{5}{2} \quad a_{1/2} = \frac{1}{2} \quad a_{1/2} = -1 \Rightarrow (a + \frac{5}{2})(n-1) = (n + \frac{1}{2})^2$$

$$\Rightarrow \frac{-n}{2} - \frac{n}{14} = \frac{21}{2} \Rightarrow -\frac{7n}{7} = \frac{21}{2} \Rightarrow n = -\frac{3}{2}$$

✓

$$\left. \begin{array}{l} ra + 1 \cdot d = \sqrt{2} \\ aq^2 = a + d \end{array} \right\} \Rightarrow 1 + q^2 + q^2 = \sqrt{2} \Rightarrow q = 1, q = -1$$

کامل بنویس !!!  
 $d = \sqrt{2}$   
 $d = 0$   
 نمی تواند باشد  
 (1, 2)