

$$1) a_1 \cdot \frac{1}{r} \times q^0 \cdot r^1$$

$$\sum_{k=1}^n \frac{1}{r^k} \times q^{k-1} \cdot r^k$$

$$2) \frac{a q^1}{a q^1 r} \cdot q^1 \cdot r^1$$

$$3) \sqrt{a_1 \times a_r} = \sqrt{r^1 \times r^1} \cdot r^1$$

$$4) \frac{1}{r} \times r^{n-1} \cdot r^1 \rightarrow n=9$$

$$q^r \cdot r^1 \rightarrow q \cdot r^2 \quad a_1 \cdot a_r \times r^1 \rightarrow a \cdot \frac{1}{r} \cdot r^1 \Rightarrow a_1 \cdot \frac{1}{r} \times r^1$$

$$a_1 \times a_r \times a_{r-1} \times a_{r-2} \times \dots \times a_2 \cdot a_1 \Rightarrow a_1 \cdot r^1$$

$$a_1 \times a_2 \cdot a_r^1 = q$$

$$r^1 \cdot a+b \cdot r^1 \Rightarrow a+b \cdot r^1 \quad \frac{a+b}{r} \cdot r^1$$

$$\frac{a_1}{a_r} \cdot \frac{a_r}{a_1} \Rightarrow \frac{a+1}{n} \cdot \frac{1}{1+n} \Rightarrow a^r = -(n-1)(n+1) \rightarrow a^r = -1 - n^2 \Rightarrow r n^2$$

$$n^2 \cdot \frac{1}{r} \Rightarrow n^2 \cdot \frac{1}{r}$$

$$a_1 \times a_r \cdot a_r \times a_1$$

$$a_1 + a_r = r^1 \Rightarrow \text{ناتمام: } 1, 2, 9, 27 \rightarrow (27)$$

$$a_r + a_1 = r^1$$

$$r^1 \cdot a \cdot a \cdot a$$

$$1, 2, 1+2+9 \Rightarrow \text{ناتمام} = 1, 2, 9$$

$$1) S_1 \cdot r \left(\frac{r^6}{r} - 1 \right) \cdot r^1 - 1$$

$$2) \sqrt{\left(\frac{r^1 \times a_1}{r^1 \times a_1} \right)^6} \cdot r^1 \cdot r^1$$

$$a \quad a q \quad a q^2 \quad a q^3 \rightarrow a, -a q, a q - a q^2, a q^2 - a q^3$$

س و ترتیب

$$1) S = a + (a+d) + \dots + (a+(n-1)d) \\ S = (a+(n-1)d) + \dots + (a+d) + a \rightarrow rS = (ra+(n-1)d) + (ra+(n-1)d) + \dots + (ra+(n-1)d) + a$$

$$\Rightarrow rS = n(ra+(n-1)d) \rightarrow S = \frac{n}{r} (ra+(n-1)d)$$

