

$$p^{n+1} + q^{n+1} = (p+q)(p^n + q^n) - pq(p^{n-1} + q^{n-1})$$

तब १२:

$$a_{n+1} = a_1 a_n - (-1) a_{n-1}$$

$$\therefore a_1 a_n = a_{n+1} - a_{n-1}$$