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Progresii aritmetice

a_1 primul termen

$r \neq 0$ raţia

$$a_n = a_1 + (n-1)r \qquad \forall n \in N; n \geq 2$$

$$a_n = \frac{a_{n-1} + a_{n+1}}{2} \qquad \forall n \in N; n \geq 2$$

$$S_n = a_1 + a_2 + \ldots + a_n$$

$$S_n = \frac{a_1 + a_n}{2} \cdot n \qquad S_n = \frac{2a_1 + (n-1)r}{2} \cdot n$$

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