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General term in binomial expansion of (a + x) raised to n

(r + 1)th term

Notation for general term in binomial expansion of (a + x) raised to n

$$t_{r+1}$$

Expression for general term in binomial expansion of (a + x) raised to n

$$t_{r+1} = C(n, r) a^{n-r} x^r$$

Expression for binomial theorem in terms of general term

$$(a + x)^n = \sum_{r=0}^n C(n, r) a^{n-r} x^r$$

Expression for general term in binomial expansion of (a - x) raised to n

$$t_{r+1} = (-1)^r . C(n, r) a^{n-r} x^r$$