

Download Recursive Routine Formula

How recursive formulas work. In the formula, n is any term number and $a(n)$ is the n th term. This means $a(1)$ is the first term, and $a(n-1)$ is the term before the n th term. In a recursive formula, each term is defined as a function of its preceding term(s). [Each term is found by doing something to the term(s) immediately in front of that term.] A recursive formula designates the starting term, a_1 , and the n th term of the sequence, a_n , as an expression containing the previous term (the term before it), a_{n-1} . Sequences can have formulas that tell us how to find any term in the sequence. For example, 2,5,8,... can be represented by the formula $2+3(n-1)$. Sequences are ordered lists of numbers (called "terms"), like 2,5,8. Recursive Formula. For a sequence $a_1, a_2, a_3, \dots, a_n, \dots$ a recursive formula is a formula that requires the computation of all previous terms in order to find the value of a_n . Note: Recursion is an example of an iterative procedure., Recursive Routine Formula.

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