

NCERT Discrete 11.9.1 Q7

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Question: Find the indicated terms in the sequence whose n th term is $a_n = 4n - 3$. Find a_{17} and a_{24} .

Solution: In the question, following information is provided:

Symbol	Value	Description
a_n	$4n - 3$	The n th term of the sequence
a_{17}	?	17th term
a_{24}	?	24th term

TABLE I
PARAMETERS

We know that $a_n = 4n - 3$. So, after substituting the values in the formula, we get :

$$a_{17} = 4 \times 17 - 3 = 65 \quad (1)$$

$$a_{24} = 4 \times 24 - 3 = 93 \quad (2)$$