

MOCK TEST-5921

Q.1 Find factorial for a given number.

Test cases:

Input	Output
5	120
4	24

Q.2 How to remove space in a string from both ends.

Test cases:

Input	Output
Hello world	Hello world
Trisect	Trisect

Q.3 Consider an algorithm that takes as input a positive integer n . If n is even, the algorithm divides it by two, and if n is odd, the algorithm multiplies it by three and adds one. The algorithm repeats this until n is one. Your task is to simulate the execution of the algorithm for a given value of n .

Test cases:

Input	Output
3	3, 10, 5, 16, 8, 4, 2, 1
6	6, 3, 10, 5, 16, 8, 4, 2, 1

Q.4 You are given all numbers between 1, 2..., n except one. Your task is to find the missing number.

Input: -The first input line contains an integer n .

The second line contains $n-1$ numbers. Each number is distinct and between 1 and n (inclusive).

Output: - Print the missing number.

Input	Output
1,2,4,5,6	3
1,2,3,5,6	4