Sum of an AP

Write a program to print sum of an AP with n terms with first term a and common difference d.

Input:

The first line of the input contains T denoting the number of testcases. The first line of the test case will be the number of terms of AP and second line its first term and common difference.

Output:

For each test case, output will be the sum of AP

Constraints:

1 <= T<= 100

1 <= N <= 1000

1 <= a,d <= 100

Example:

Input:

1
5
1 3

Output:

35