

Triangle

Problem Statement:

Arko is a little boy. He loves to watch the stars in the sky at night. Every night he makes various shapes (triangle, square, circle etc) by joining the stars and tries to count the number of shapes (Triangles). But he makes confusion in counting the number of shapes. So he has come to you. He will tell you the number of the stars. Now you have to write a program that will show maximum the number of triangle.

Input:

The input will start with a positive integer **T**($0 < T \leq 1000$). In next line there will be an integer **S** ($3 \leq S \leq 2000$) denoting the number of the stars.

Output:

Print the test case and the maximum number of triangle can be form by the stars.

Sample Input/output:

Sample Input	Sample Output
2	Case 1: 4
4	Case 2: 120
10	

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