ICPC Assiut University Community

Newcomers Training , Do Your Best



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PROBLEMS SUBMIT CODE MY SUBMISSIONS STATUS STANDINGS CUSTOM INVOCATION

D. Range Sum

time limit per test: 1 second memory limit per test: 256 megabytes input: standard input output: standard output

You are given a range represented by two integers L and R, and you should find the sum of the numbers in the range between L and R inclusive.

Input

First line contains a number T ($1 \le T \le 10^5$) – the number of test cases.

Each of the next T lines contains two numbers L, R ($1 \le L, R \le 10^9$).

Output

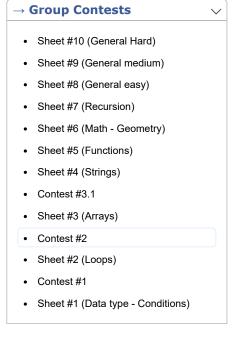
For each test case, print the sum.

Example

input	Сору
4	
3 6	
2 11	
4 16	
7 17	
output	Сору
18	
65	
130	
132	

Assiut University Training Newcomers Public Participant





Contest #2	
Finished	