

ICPC Assiut University Community

Newcomers Training ,Do Your Best



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HOME TOP CATALOG CONTESTS GYM PROBLEMSET GROUPS RATING EDU API CALENDAR HELP

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 ($1 \leq T \leq 10^5$) – the number of test cases.

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

Output

For each test case, print the sum.

Example

| input | Copy |
|--------|------|
| 4 | |
| 3 6 | |
| 2 11 | |
| 4 16 | |
| 7 17 | |
| output | Copy |
| 18 | |
| 65 | |
| 130 | |
| 132 | |

Assiut University Training - Newcomers

Public

Participant



→ About Group



ICPC Assiut
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[Group website](#)

→ Group Contests

- Sheet #10 (General Hard)
- Sheet #9 (General medium)
- Sheet #8 (General easy)
- Sheet #7 (Recursion)
- Sheet #6 (Math - Geometry)
- Sheet #5 (Functions)
- Sheet #4 (Strings)
- Contest #3.1
- Sheet #3 (Arrays)
- Contest #2
- Sheet #2 (Loops)
- Contest #1
- Sheet #1 (Data type - Conditions)

Contest #2

Finished