

BIUPC-2025 Spring Final Round (Junior Division)

A. You Know Who

1 s., 256 MB

input
abcdefghi
output
adfhi

B. Sudoku World

1 s., 256 MB

input
3 6 2 5 4 1 9 7 8 5 8 7 9 6 3 2 4 1 1 4 9 8 7 2 3 5 6 9 5 8 7 3 4 6 1 2 2 7 6 1 8 9 4 3 5 4 1 3 2 5 6 7 8 9 6 2 5 4 1 7 8 9 3 7 9 1 3 2 8 5 6 4 8 3 4 6 9 5 1 2 7
output
YES

input
7 5 8 1 4 3 2 9 6 1 2 3 6 9 5 7 8 4 4 6 9 7 8 2 1 5 3 3 9 5 4 2 8 6 1 7 2 4 6 9 7 1 8 3 5 8 1 7 3 5 6 4 9 2 5 7 2 8 3 9 4 6 1 9 3 1 2 6 4 5 7 8 6 8 4 5 1 7 3 2 9
output
NO

input
6 5 7 8 2 9 3 4 1 1 4 9 6 3 5 8 2 7 2 3 8 1 4 7 6 9 5 9 6 2 4 7 8 1 5 3 7 1 3 5 6 2 9 8 4 5 8 4 3 9 1 7 6 2 8 9 1 2 5 3 4 7 6 4 7 5 9 1 6 2 3 8 3 2 6 7 8 4 5 1 9
output
YES

input
9 4 6 7 5 8 1 3 2 1 3 8 6 2 4 5 7 9 7 5 2 3 1 9 6 8 4 4 8 2 1 7 5 9 6 3 3 9 1 2 4 6 8 5 7 5 6 7 8 9 3 4 2 1 2 7 4 5 6 1 3 9 8 6 1 3 9 8 2 7 4 5 8 5 9 4 3 7 2 1 6

output
NO

C. Even Pizza Distribution

1 s., 256 MB

input
7 3
output
2

D. BUBT CP-IT TICKET HUNT

1 s., 512 MB

input
5 4 20 10 40 50 30 35 15 50 10
output
30 10 50 -1

E. Even Odd Divisor

1 s., 256 MB

input
3 1 2 5
output
Odd Odd Even

F. The Lazy Mathematician

2 s., 256 MB

input
3 3 2 4 5 12 5
output
6 2 6

G. The Castle's Hidden Rooms

1 s., 256 MB

input
5 8 ##### #..#...# ####.#.# #..#...# #####
output
3

H. Adda Shanda

1 s., 256 MB

Input

The first line contains three integers U , S , and Q ($1 \leq U, S \leq 10^4$, $1 \leq Q \leq 10^5$) — the number of friends, the number of Wi-Fi networks, and the number of commands.

Each of the next Q lines contains one command in one of the following formats:

- CONNECT $u\ s$ ($1 \leq u \leq U, 1 \leq s \leq S$)
- DISCONNECT u ($1 \leq u \leq U$)
- QUERY u ($1 \leq u \leq U$)

input
5 3 9 CONNECT 1 2 CONNECT 2 2 CONNECT 3 1 QUERY 1 DISCONNECT 2 QUERY 1 CONNECT 4 2 CONNECT 5 2 QUERY 4
output
2 NONE 1 5

I. Forest Monitoring 2

1 s., 256 MB

input
1 5 4 6 12 8 8 10 12 8 11 0 12 11 12 2 20
output
Case 1: 4 3 1 0

J. Sum of Two Segments

1 s., 256 MB

input
7 2 1 2 3 4 5 6 1
output
18

K. Sleepy Student

1 s., 256 MB

input
3 3 10 10 10 1 1 0
output
30

input
6 6 1 3 5 2 5 4 1 1 0 1 0 0
output
20

[Codeforces](#) (c) Copyright 2010-2025 Mike Mirzayanov
The only programming contests Web 2.0 platform