

C. IO - End of File

time limit per test: 1 second

memory limit per test: 256 megabytes

Today we are going to add up a bunch of numbers and then subtract a bunch of numbers from it. All you have to do is read them all in!

Input

Each test case starts with a line containing two numbers $0 \leq T_a \leq 100$ and $0 \leq T_s \leq 100$, the number of items to add and the number of items to subtract, respectively. This is followed by $T_a + T_s$ numbers $a_1, \dots, a_{T_a}, b_1, \dots, b_{T_s}$. Each number will be on its own line, and range from -1000 to 1000. The tests are done when you read an EOF.

Output

For each test case, output the sum $\sum_i^{T_a} a_i - \sum_i^{T_s} b_i$.

Example

input	Copy
4 4	
2	
4	
6	
8	
1	
1	
1	
1	
output	Copy
16	

UIUC CS 491 Spring 2025

Private

Participant



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→ Group Contests

- Line Sweep - Homework (Extra Credit)
- Convex Hull - Preclass
- Number Theory I - Homework
- Line Sweep - Preclass
- Number Theory II - Homework
- Combinatorics - Homework
- Geometry - Preclass
- Geometry - Homework
- Convex Hull - Homework (Extra Credit)
- Rabin Karp - Homework
- Number Theory II - Preclass
- Combinatorics - Preclass
- DP TSP - Homework
- KMP - Homework
- DP Tree - Homework
- Number Theory I - Preclass
- KMP - Preclass
- DP Palindromes - Homework
- Rabin Karp - Preclass
- DP Edit Distance - Homework
- DP Knapsack - Homework
- DP TSP - Preclass
- DP Longest Increasing Subsequence - Homework
- DP Intro - Homework
- DP Tree - Preclass
- Greedy - Homework
- Fenwick Tree - Homework