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Matrix Multiplication AZ101

? Ask Doubt

Time-Limit: 1 sec

Score: 100.00/100

Difficulty :

Memory: 256 MB

Accepted Submissions: 100

Description

You are given matrix A of size N*M and matrix B of size M*P. You have to find the matrix multiplication of A and B.

Input Format

The first line of the input contains one integer T - the number of test cases. Then T test cases follow.

The first line of each test case contains three space-separated integers, N, M and P.

Each of the next N lines contain M space-separated integers - matrix A.

Each of the next M lines contain P space-separated integers - matrix B.

Output Format

For each test case, print the matrix multiplication of A and B.

Constraints

$1 \leq T \leq 10$

$1 \leq N, M, P \leq 100$

$-10^3 \leq A_{ij}, B_{ij} \leq 10^3$

Sample Input 1

Copy

```
2
2 3 2
1 2 3
2 5 1
3 1
-2 1
0 -1
1 4 1
1 2 1 -5
3
0
2
4
```

C++14[GCC] ▾

Submit

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