B - 行列積 / Matrix Product

Time limit: 2sec / Memory limit: 256MB

Problem Statement

You are given a N-by-M matrix A and a M-by-K matrix B.

Write a program that finds and prints the product AB.

For details on matrix multiplication, refer to the following:

https://en.wikipedia.org/wiki/Matrix_multiplication#Matrix_product_.28two_matrices.29

Input

Input is given from Standard Input in the following format:

- The first line contains three space-separated integers $N(1 \le N \le 50)$, $M(1 \le M \le 50)$ and $K(1 \le K \le 50)$. They represent the dimensions of the matrices A and B.
- The following N lines describe the matrix A.
- Each of these N lines contains M space-separated integers. The j-th integer on the i-th of these lines, $a_{ij}(-50 \le a_{ij} \le 50)$, represents the entry in the i-th row and j-th column of A.
- The following M lines describe the matrix B.
- Each of these M lines contains K space-separated integers. The j-th integer on the i-th of these lines, $b_{ij}(-50 \le b_{ij} \le 50)$, represents the entry in the i-th row and j-th column of B.

Output

Print N lines. Each line should contain K space-separated integers. The j-th integer on the i-th line should be the entry in the i-th row and j-th column of AB. Do not print an extra space at the end of each line.

Write to Standard Output. Be sure to print a newline at the end of the output.

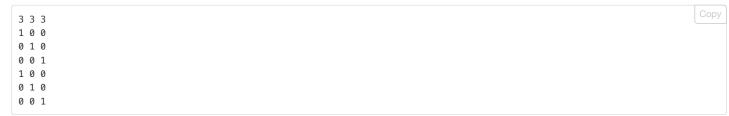
Sample Input 1

```
2 3 4
1 2 3
4 5 6
7 8 9 10
11 12 13 14
15 16 17 18
```

Sample Output 1

173 188 203 218	Сору
173 100 203 210	

Sample Input 2



Sample Output 2

