[LAB4\_4] Given two squared matrix: A B, write C code to compute matrix C = A\*B. For example, the multiplication of two 3\*3 matrices can be computed as follows:

$$\begin{pmatrix} 1 & 2 & -1 \\ 3 & 2 & 0 \\ -4 & 0 & 2 \end{pmatrix} \begin{pmatrix} 3 & 4 & 2 \\ 0 & 1 & 0 \\ -2 & 0 & 1 \end{pmatrix}$$

$$=$$

$$\begin{pmatrix} 1(3) + 2(0) + (-1)(-2) & 1(4) + 2(1) + (-1)0 & 1(2) + 2(0) + (-1)(1) \\ 3(3) + 2(0) + (0)(-2) & 3(4) + 2(1) + (0)0 & 3(2) + 2(0) + (0)(1) \\ -4(3) + 0(0) + (2)(-2) & -4(4) + 0(1) + (2)0 & -4(2) + 0(0) + (2)(1) \end{pmatrix}$$

$$= \begin{pmatrix} 5 & 6 & 1 \\ 9 & 14 & 6 \\ -16 & -16 & -6 \end{pmatrix}$$

## Input

First line n indicates the dimension size of squared matrix, where  $1 \le n \le 10$ 

N+1 lines each line consists of n column vector in matrix A, separating a white space,

where 
$$1 \le i, j \le n$$
 and  $-100 \le A[i][j] \le 100$ 

N+1 lines each line consists of n column vector in matrix B, separating a white space,

where 
$$1 \le i, j \le n$$
 and  $-100 \le B[i][j] \le 100$ 

## Output

N lines represent the matrix resultant C where each line represents n column vector, separating a white space.

Input sample	Output sample
3	5 6 1
1 2 -1	9 14 6
3 2 0	-16 -16 -6
-4 0 2	
3 4 2	
0 1 0	
-2 0 1	