

Matrix is quite common to store a table of values. Important information may reside in submatrices, which can be defined by four parameters, including the starting row, *srow* the starting column *scol*, the ending row *erow*, and the ending column *ecol*. Write a program to give all the submatrix for a given matrix according to the four parameters.

**Input**

The input includes several cases, separated by a newline character. Each case contains six integers and a matrix. The first two integers indicate the row and column numbers of the matrix, respectively, and the last four integers are the starting row, *srow* the starting column *scol*, the ending row *erow*, and the ending column *ecol* of the submatrix. All elements in the matrix have the range between 0 to 9. The consecutive rows in the matrix are separated by a newline character, while each pair of consecutive columns in the matrix is separated by a space. The input ends with the asterisk symbol.

**Output**

For each case, output the corresponding submatrix. A newline character should be added between two consecutive submatrices.

**Sample Input**

3 3 0 1 2 2  
1 2 3  
4 5 6  
7 8 9

2 3 1 0 1 2  
1 2 3  
4 5 6

\*

**Sample Output**

2 3  
5 6  
8 9

4 5 6