

## E. Square Table

time limit per test: 1 second

memory limit per test: 256 megabytes

input: standard input

output: standard output

While resting on the ship after the "Russian Code Cup" a boy named Misha invented an interesting game. He promised to give his quadrocopter to whoever will be the first one to make a rectangular table of size  $n \times m$ , consisting of positive integers such that the sum of the squares of numbers for each row and each column was also a square.

Since checking the correctness of the table manually is difficult, Misha asks you to make each number in the table to not exceed  $10^8$ .

### Input

The first line contains two integers  $n$  and  $m$  ( $1 \leq n, m \leq 100$ ) — the size of the table.

### Output

Print the table that meets the condition:  $n$  lines containing  $m$  integers, separated by spaces. If there are multiple possible answers, you are allowed to print anyone. It is guaranteed that there exists at least one correct answer.

### Examples

<b>input</b>
1 1
<b>output</b>
1

  

<b>input</b>
1 2
<b>output</b>
3 4