

488 Triangle Wave

In this problem you are to generate a triangular wave form according to a specified pair of Amplitude and Frequency.

Input and Output

The input will contain two integers, each on a separate line. The first integer is the Amplitude; the second integer is the Frequency.

For the output of your program, you will be printing wave forms each separated by a blank line. The total number of wave forms equals the Frequency, and the horizontal “height” of each wave equals the Amplitude. The Amplitude will never be greater than nine.

The waveform itself should be filled with integers on each line which indicate the “height” of that line.

NOTE: There is a blank line after each separate waveform, **excluding** the last one.

Sample Input

```
3
2
```

Sample Output

```
1
22
333
22
1

1
22
333
22
1
```