
Painting rectangles

P95178_en

Your task is to write a program that, given two integers a and b , prints a rectangle $a \times b$ following the format of the instances.

Input

Input consists of two numbers a and b , both of them between 1 and 20. The first one indicates the number of rows, and the second one indicates the number of columns of the rectangle that must be painted.

Output

Your program must only print a rectangle, as the format of the instances.

Sample input 1

5 14

Sample output 1

```
0000000000000000
0111111111111110
0122222222222210
0111111111111110
0000000000000000
```

Sample input 2

4 3

Sample output 2

```
000
010
010
000
```

Sample input 3

1 1

Sample output 3

```
0
```

Sample input 4

1 20

Sample output 4

```
00000000000000000000
```

Sample input 5

20 20

Sample output 5

```
00000000000000000000
01111111111111111110
01222222222222222210
01233333333333333210
01234444444444443210
012345555555555543210
0123456666666666543210
012345677777776543210
01234567888876543210
01234567899876543210
01234567899876543210
0123456788876543210
0123456777776543210
0123456666666543210
```

0123455555555543210
0123444444444443210
012333333333333210

012222222222222210
011111111111111110
000000000000000000

Problem information

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