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## Zeros and ones (2)

P45965\_en

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Write a program to print all the combinations of  $n - o$  zeros and  $o$  ones, for some given  $n$  and  $o$ .

### Input

Input consists of  $n$  and  $o$ , two natural numbers such that  $n > 0$  and  $0 \leq o \leq n$ .

### Output

Print all the combinations of  $n - o$  zeros and  $o$  ones, one per line and in lexicographical order.

### Sample input

```
5 2
```

### Sample output

```
0 0 0 1 1
0 0 1 0 1
0 0 1 1 0
0 1 0 0 1
0 1 0 1 0
0 1 1 0 0
1 0 0 0 1
1 0 0 1 0
1 0 1 0 0
1 1 0 0 0
```

### Problem information

Author : Salvador Roura

Translator : Carlos Molina

Generation : 2018-07-09 15:18:02

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