

---

**Zeros and ones (2)****P45965\_en**

---

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 1**

5 2

**Sample output 1**

```
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: 2026-01-25T11:20:23.414Z

© Jutge.org, 2006–2026.

<https://jutge.org>