## 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

```
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

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Generation : 2024-05-03 15:44:13