Multisets (3)   P22110_en

Write a program that, given two numbers n and t, prints all the multisets with t numbers that can be made up with $\{1, \dots, n\}$.

Input

Input consists of a natural number $n > 0$, followed by a natural number $t \geq 0$.

Output

Print all the multisets of size t that can be made up with $\{1, \dots, n\}$. The numbers inside each multiset must appear in non-decreasing order.

Information about the checker

You can print the solutions to this exercise in any order.

Sample input 1

```
3 3
```

Sample output 1

```
{3,3,3}
{2,3,3}
{2,2,3}
{2,2,2}
{1,3,3}
{1,2,3}
{1,2,2}
{1,1,3}
{1,1,2}
{1,1,1}
```

Problem information

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