
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

3 3

Sample output

```
{ 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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