Multisets (2)   P70914_en

Write a program that, given three numbers n, x and y, prints all the multisets that can be made up with $\{1, \ldots, n\}$, in such a way that every number appears between x and y times.

Input

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

Output

Print all the multisets that can be made up with $\{1, \ldots, n\}$, using each number between x and y times. 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

```
2 1 4
```

Sample output

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

Problem information

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