Write a program that, given four natural numbers \( n, x, y \) and \( t \), prints all the multisets with \( t \) numbers 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 \( y > x \), followed by a natural number \( t \geq 0 \). Assume \( nx \leq t \leq ny \).

**Output**

Print all the multisets of size \( t \) 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**

3 1 4 6

**Sample output**

\[
\begin{align*}
&\{1, 2, 3, 3, 3, 3\} \\
&\{1, 2, 2, 3, 3, 3\} \\
&\{1, 2, 2, 2, 3, 3\} \\
&\{1, 1, 2, 3, 3, 3\} \\
&\{1, 1, 2, 2, 3, 3\} \\
&\{1, 1, 2, 2, 2, 3\} \\
&\{1, 1, 1, 2, 3, 3\} \\
&\{1, 1, 1, 2, 2, 3\} \\
&\{1, 1, 1, 1, 2, 3\} \\
&\{1, 1, 1, 1, 1, 2\} \\
\end{align*}
\]

**Problem information**

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