

Time Limit: 1000ms
Memory Limit: 256MB

F - Ruler

Submissions

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Iyas likes measuring things, for that he wants to create his own special ruler, he has a wooden stick of length L and wants to draw dashes on the stick so that it works as a ruler, the ruler will also have a precision P .

The ruler will consist of multiple lines, there are $L + 1$ main lines, the i th of them will have P dashes and number $i - 1$ next to the dashes, between those will be other lines consisting of $P - 1$ dashes and so on until lines with a single dash are reached (see examples for a clearer idea).

Given L and P , print the drawing that should be on the ruler.

Input

A single line consisting of $L, P(1 \leq L, P \leq 10)$, the length of the ruler and its precision.

Output

Output the drawing that should be on the ruler.

Samples

| Input | Output |
|----------------|--|
| <div>3 4</div> | <div>-----0 - -- - --- - -- - -----1 - -- - --- - -- - -----2 - -- - --- - -- - -----3</div> |

| Input | Output |
|----------------|--|
| <div>1 5</div> | <div>-----0 - -- - --- - -- - ----- - -- - ----- - -- - -----1</div> |