## Problem Description

Consider an N-by-N two-dimensional map. On the map, use the symbol '+' to draw a cross that is centered at the location (ROW, COLUMN) and with a radius of R. Mark the center of the cross as 'S' and fill the rest parts of the map with the symbol '-'. For example, the following is a 7-by-7 map, where the cross is centered at (3, 4) and with a radius of 2. That is, we have N=7, ROW=3, COLUMN=4, and R=2.

```
---+---
---+---
-++S++-
---+---
---+---
-------
-------
```

Note that, in some cases, the cross might be close to the border of the map and therefore only a part of the cross can be shown on the map. For example,

```
---+-
-++S+
---+-
---+-
-----
```

## Input

The first line is an integer N (1<=N<=10) denoting the size of the map.
The second line contains two integers ROW and COLUMN (1<=ROW,COLUMN<=10) denoting the location of the cross center.
The last line is an integer R (1<=R<=10) denoting the radius.

## Output

The N-by-N map with the specified cross on it, displayed in N lines. Each line is ended with a newline character '\n'.

## Sample Input

```
5
2 4
2
```

## Sample Output

```
---+-
-++S+
---+-
---+-
-----
```