27 3D box drawing
13 points

Introduction

Drawing with ASCII characters is always fun. But let's go a step further and draw in 3D. To keep things simple, we ask you just draw a box using its 3 dimensions as input; that is 3 positive integer numbers corresponding to the box width, height and depth provided in this order. The characters to use to depict the box are "_", "/" and "\". Have fun!

> **HINTS:** Notice that horizontal line at the top has an extra character "_" versus the two other horizontal lines. Also remember not to put any extra white space after the last right drawing character of each row.

Input

The first line contains a single positive integer defining the width of the box.
The second line contains a single positive integer defining height of the box.
The third line contains a single positive integer defining the depth of the box.

Output

The representation in 3D of the corresponding box with the given dimensions.

Example 1

Input

```
1
1
1
```

Output

```
 _ _
/_/ \
\_\ /
```
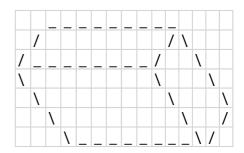
Example 2

Input

```
8
4
2
```

Output

```
   _ _ _ _ _ _ _ _
  /             / \
 /_ _ _ _ _ _ _ _/   \
 \             \      \
  \             \      \
   \             \_    /
    \ _ _ _ _ _ _ _\ /
```

Example 3

Input

3
6
9

Output

```
                  _ _ _ _
                /       / \
              /       /     \
            /       /         \
          /       /             \
        /       /                 \
      /       /                     \
    /       /                       /
  /       /                       /
/ _ _ _ /                       /
\         \                   /
  \         \               /
    \         \           /
      \         \       /
        \         \   /
          \ _ _ _ \ /
```