



# EXERCISES — Tower

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version #



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## 1 Tower

### Files to submit:

- tower/tower.sh

## Authorized commands:

- builtins
- seq(1)

## 1.1 Goal

Write a shell script that draws a tower in ASCII-art. This script takes as arguments the number of floors of the building and the type of its windows. The rest of the drawing has to be strictly identical to the following examples. The types of windows are `square` or `triangle`, as these examples show us.

Return values:

- No error: 0;
- If not: 1.

Observation:

1. You have to be careful not to display useless spaces.
2. A negative number of floor is considered as an error and the script must not display anything and exit with 1 as return value.

## 1.2 Example

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```
|          -          |$  
|          | |        |$  
|          | |        |$  
|_-----| |-----|$  
42sh$ ./tower.sh 0 triangle | cat -e  
-----$  
|          -          |$  
|          | |        |$  
|          | |        |$  
|_-----| |-----|$  
42sh$ ./tower.sh 3 rectangle  
42sh$ echo $?  
1  
42sh$ ./tower.sh -42 triangle  
42sh$ echo $?  
1
```

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