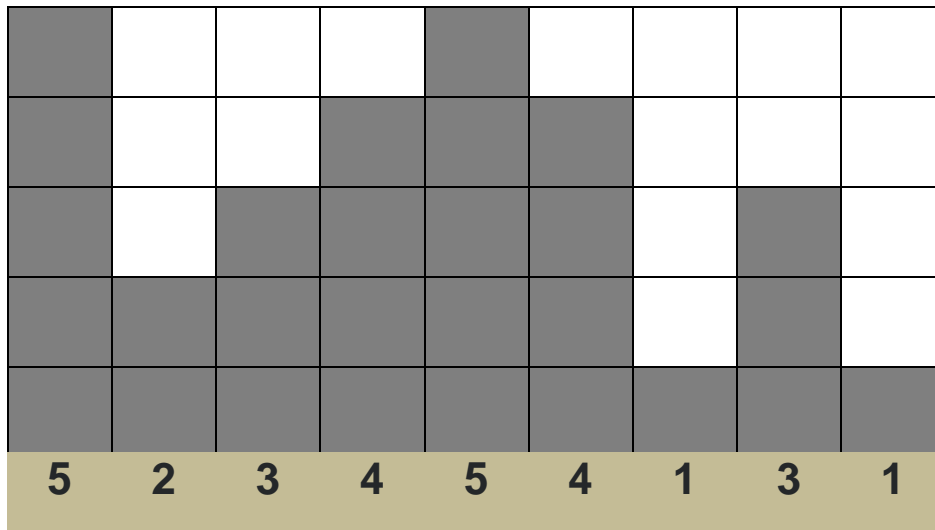
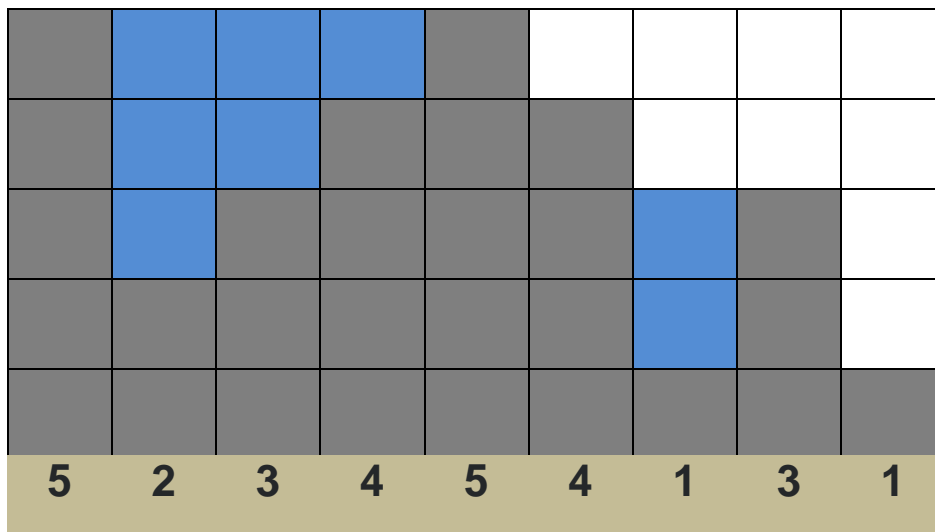


Task: There is a landscape with hills and pits which have similar square shape. Each position in this landscape has a specified height. Max number of positions is 32000. Height is between 0 and 32000.

For example: the first position has height 5, the second position has height 2. The landscape can be presented as a collection of heights. {5,2,3,4,5,4,1,3,1}



When rain happens, landscape is filled with water. Water is collected inside pits only between hills. For example: collected 8 squares of water.



You need:

- to implement an application which calculates amount of collected water for any landscapes.
- cover this application with tests
- use maven to build the application