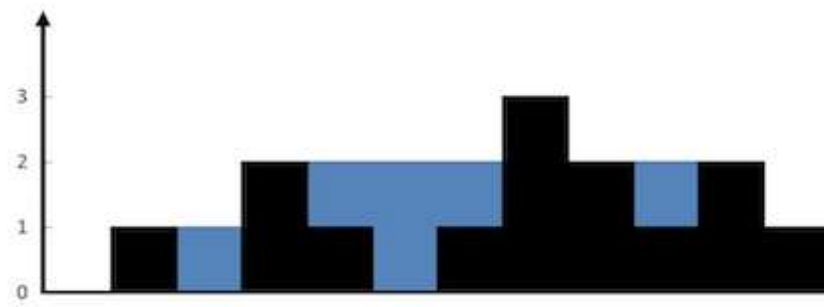# Water trapping

Given n non-negative integers representing an elevation map where the width of each bar is 1, compute how much water it can trap after raining.

Example 1


```
Input: height = [0,1,0,2,1,0,1,3,2,1,2,1]
Output: 6
Explanation: The above elevation map (black section) is represented by array
[0,1,0,2,1,0,1,3,2,1,2,1]. In this case, 6 units of rain water (blue section) are being trapped.
```

Example 2

```
Input: height = [4,2,0,3,2,5]
Output: 9
```

Tasks

1. implement the function `trap`

```
/**
 * @param {number[]} height
 * @return {number}
 */
var trap = function(height) {

};
```

2. Visualize the results

Visualize the example in the web environment.

- for given input render the elevation map and also the trapped rain water (check the image form the "Example 1" for inspiration)
- allowed libraries: `Backbone` , `Lodash` , `jQuery` , `jointJS`

- extra points:
  - render the results using the jointJS library
  - "Generate" button. This button generates random elevation map and renders the results.

send the solution as a link to github repository or zip archive.