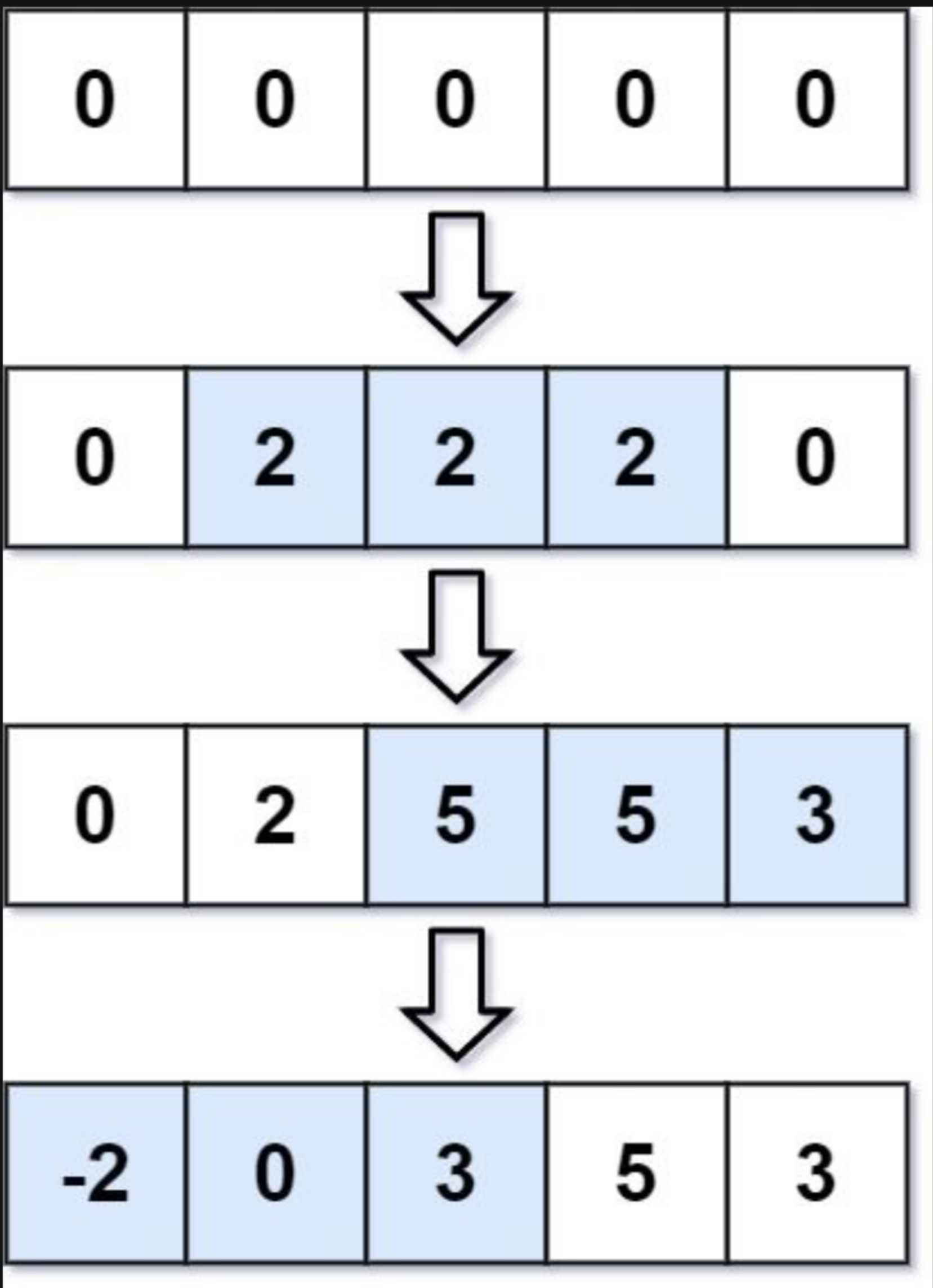# 370. Range Addition

Description

You are given an integer `length` and an array `updates` where `updates[i] = [startIdx`$_i$`, endIdx`$_i$`, inc`$_i$`]`.

You have an array `arr` of length `length` with all zeros, and you have some operation to apply on `arr`. In the `i`th operation, you should increment all the elements `arr[startIdx`$_i$`], arr[startIdx`$_i$` + 1], ..., arr[endIdx`$_i$`]` by `inc`$_i$`.

Return `arr` *after applying all the* `updates`.

Example 1:


```
Input: length = 5, updates = [[1,3,2],[2,4,3],[0,2,-2]]
Output: [-2,0,3,5,3]
```

Example 2:

```
Input: length = 10, updates = [[2,4,6],[5,6,8],[1,9,-4]]
Output: [0,-4,2,2,4,4,-4,-4,-4]
```

Constraints:

- `1 <= length <= 10`^{5}
- `0 <= updates.length <= 10`^{4}
- `0 <= startIdx`$_i$` <= endIdx`$_i$` < length`
- `-1000 <= inc`$_i$` <= 1000`