

1282. Group the People Given the Group Size They Belong To

Description

There are `n` people that are split into some unknown number of groups. Each person is labeled with a **unique ID** from `0` to `n - 1`.

You are given an integer array `groupSizes`, where `groupSizes[i]` is the size of the group that person `i` is in. For example, if `groupSizes[1] = 3`, then person `1` must be in a group of size `3`.

Return *a list of groups such that each person `i` is in a group of size `groupSizes[i]`*.

Each person should appear in **exactly one group**, and every person must be in a group. If there are multiple answers, **return any of them**. It is **guaranteed** that there will be **at least one** valid solution for the given input.

Example 1:

Input: `groupSizes = [3,3,3,3,3,1,3]`

Output: `[[5],[0,1,2],[3,4,6]]`

Explanation:

The first group is `[5]`. The size is 1, and `groupSizes[5] = 1`.

The second group is `[0,1,2]`. The size is 3, and `groupSizes[0] = groupSizes[1] = groupSizes[2] = 3`.

The third group is `[3,4,6]`. The size is 3, and `groupSizes[3] = groupSizes[4] = groupSizes[6] = 3`.

Other possible solutions are `[[2,1,6],[5],[0,4,3]]` and `[[5],[0,6,2],[4,3,1]]`.

Example 2:

Input: `groupSizes = [2,1,3,3,3,2]`

Output: `[[1],[0,5],[2,3,4]]`

Constraints:

- `groupSizes.length == n`
- `1 <= n <= 500`
- `1 <= groupSizes[i] <= n`

