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

Solved ●

Medium     🏷 Topics     🔒 Companies     💡 Hint

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`

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Yes     No

Discussion (69)                                                                              ⌄

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