We are given a list nums of integers representing a list compressed with run-length encoding.

Consider each adjacent pair of elements [a, b] = [nums[2\*i], nums[2\*i+1]] (with i >= 0).  For each such pair, there are a elements with value b in the decompressed list.

Return the decompressed list.

**Example 1:**

**Input:** nums = [1,2,3,4]

**Output:** [2,4,4,4]

**Explanation:** The first pair [1,2] means we have freq = 1 and val = 2 so we generate the array [2].

The second pair [3,4] means we have freq = 3 and val = 4 so we generate [4,4,4].

At the end the concatenation [2] + [4,4,4,4] is [2,4,4,4].

**Constraints:**

* 2 <= nums.length <= 100
* nums.length % 2 == 0
* 1 <= nums[i] <= 100