There are n houses in a village. We want to supply water for all the houses by building wells and laying pipes.

For each house i, we can either build a well inside it directly with cost wells[i - 1] (note the -1 due to **0-indexing**), or pipe in water from another well to it. The costs to lay pipes between houses are given by the array pipes, where each pipes[j] = [house1j, house2j, costj] represents the cost to connect house1j and house2j together using a pipe. Connections are bidirectional.

Return *the minimum total cost to supply water to all houses*.

**Example 1:**

**Diagram

Description automatically generated**

**Input:** n = 3, wells = [1,2,2], pipes = [[1,2,1],[2,3,1]]

**Output:** 3

**Explanation:**

The image shows the costs of connecting houses using pipes.

The best strategy is to build a well in the first house with cost 1 and connect the other houses to it with cost 2 so the total cost is 3.

**Constraints:**

* 1 <= n <= 104
* wells.length == n
* 0 <= wells[i] <= 105
* 1 <= pipes.length <= 104
* pipes[j].length == 3
* 1 <= house1j, house2j <= n
* 0 <= costj <= 105
* house1j != house2j