256. Paint House Premium

Medium

There is a row of n houses, where each house can be painted one of three colors: red, blue, or green. The cost of painting each house with a certain color is different. You have to paint all the houses such that no two adjacent houses have the same color.

The cost of painting each house with a certain color is represented by an $n \times 3$ cost matrix costs.

 For example, costs [0] [0] is the cost of painting house 0 with the color red; costs [1] [2] is the cost of painting house 1 with color green, and so on...

Return the minimum cost to paint all houses.

Example 1:

Input: costs = [[17,2,17],[16,16,5],[14,3,19]] Output: 10

Explanation: Paint house 0 into blue, paint house 1 into green, paint house 2 into blue.

Minimum cost: 2 + 5 + 3 = 10.

Example 2:

Input: costs = [[7,6,2]] Output: 2

Constraints:

- costs.length == n
- costs[i].length == 3
- 1 <= n <= 100
- 1 <= costs[i][j] <= 20

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