**Paint House:**

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 a *n* x *3* cost matrix. 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... Find 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 = []

**Output:** 0

**Example 3:**

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

**Output:** 2

**Constraints:**

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

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