834. Sum of Distances in Tree

An undirected, connected tree with N nodes labelled 0...N-1 and N-1 edges are given.

The ith edge connects nodes edges[i][0] and edges[i][1] together.

Return a list ans, where ans[i] is the sum of the distances between node i and all other nodes.

**Example 1:**

**Input:** N = 6, edges = [[0,1],[0,2],[2,3],[2,4],[2,5]]

**Output:** [8,12,6,10,10,10]

**Explanation:**

Here is a diagram of the given tree:

0

/ \

1 2

/|\

3 4 5

We can see that dist(0,1) + dist(0,2) + dist(0,3) + dist(0,4) + dist(0,5)

equals 1 + 1 + 2 + 2 + 2 = 8. Hence, answer[0] = 8, and so on.

Note: 1 <= N <= 10000