📄 Description   📖 Editorial   ⚗ Solutions   🕘 Submissions   🐞 Debugger ✕
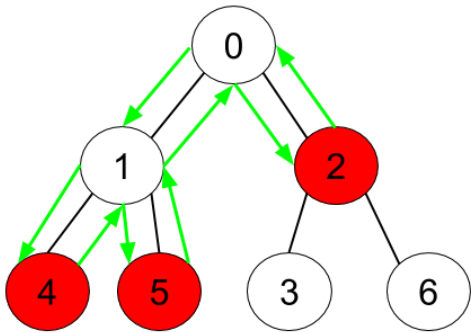
1443. Minimum Time to Collect All Apples in a Tree

Medium   ♡ Topics   ⊞ Companies   ♡ Hint

Given an undirected tree consisting of n vertices numbered from 0 to $n-1$, which has some apples in their vertices. You spend 1 second to

The edges of the undirected tree are given in the array `edges`, where `edges[i] = [a_i, b_i]` means that exists an edge connecting the vert

Example 1:


```
Input: n = 7, edges = [[0,1],[0,2],[1,4],[1,5],[2,3],[2,6]], hasApple = [false,false,true,false,true
Output: 8
Explanation: The figure above represents the given tree where red vertices have an apple. One optima
```

Example 2:
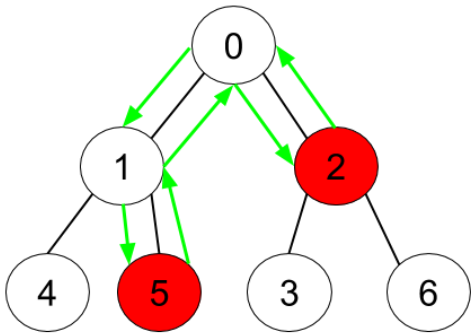

```
Input: n = 7, edges = [[0,1],[0,2],[1,4],[1,5],[2,3],[2,6]], hasApple = [false,false,true,false,fals
Output: 6
Explanation: The figure above represents the given tree where red vertices have an apple. One optima
```

Example 3:

```
Input: n = 7, edges = [[0,1],[0,2],[1,4],[1,5],[2,3],[2,6]], hasApple = [false,false,false,false,fal
Output: 0
```

Constraints:

- `1 <= n <= 10^5`

- `edges.length == n - 1`

- `edges[i].length == 2`

- `0 <= a_i < b_i <= n - 1`

- `hasApple.length == n`

Seen this question in a real interview before?   1/4

Yes   No

Accepted **109.7K**   Submissions **176.1K**   Acceptance Rate **62.3%**