Firing Employees

Lets look at example:

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Rank of employee | 1 | 2 | 3 | 4 | 5 | 6 | 7 |
| Rank of immediate senior | 2 | 3 | 5 | 3 | 0 | 5 | 2 |

We will take vector<int> v[n+1] and push the rank of immediate seniors. So here it will be:

v[2][0] = 1

v[3][0] = 2

v[5][0] = 3

v[3][1] = 4

v[0][0] = 5

v[5][1] = 6

v[2][0] = 7

Here v[0][0] is Mr Alfred. So we start from the top and go

down of the tree. And each time we will add to the number of

siniors of the current employee, the number of seniors of its root.

Time complexity of such algorithm is O(n).