class Solution {

public:

int candy(vector<int>& ratings) {

int n = ratings.size();

if(n < 2) return n;

int res = 0;

vector<int> C(n, 1);

for(int i=1; i<n; i++)

{

if(ratings[i] > ratings[i-1])

C[i] = C[i-1] + 1;

}

for(int i=n-2; i>=0; i--)

{

if(ratings[i] > ratings[i+1] && C[i] <= C[i+1])

C[i] = C[i+1] + 1;

}

for(int i=0; i<n; i++)

res += C[i];

return res;

}

};