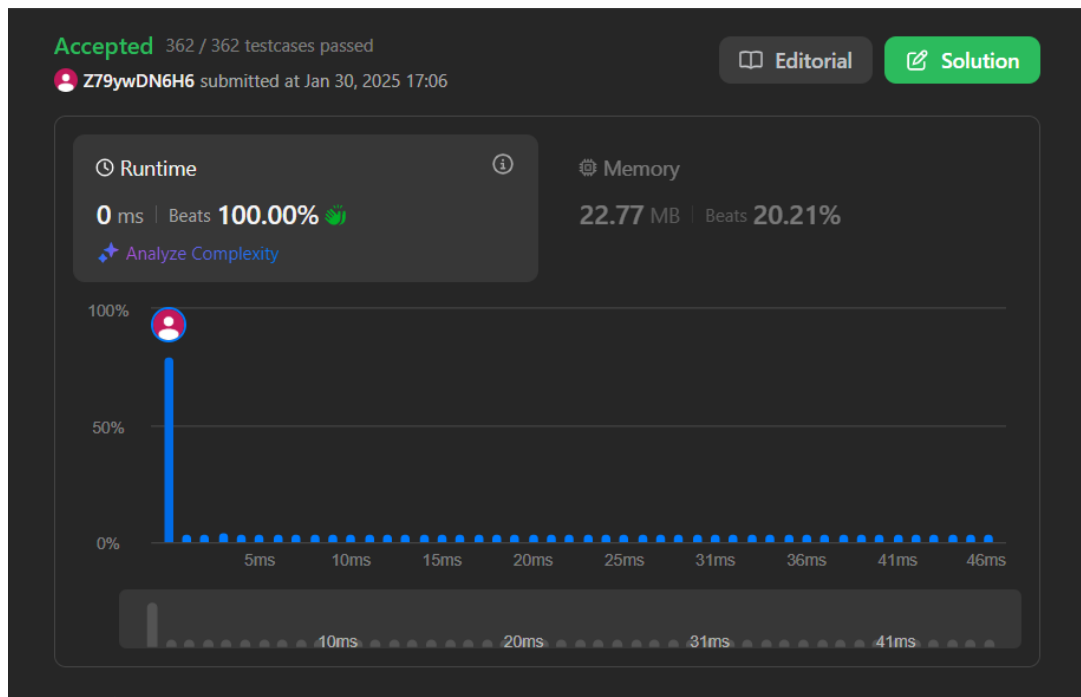


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```
#include <bits/stdc++.h>
using namespace std;

int removeDuplicates(vector<int> &nums)
{
    if (nums.empty())
    {
        return 0;
    }

    int unique = 0;
    for (int i = 1; i < nums.size(); i++)
    {
        if (nums[i] != nums[unique])
        {
            unique++;
            nums[unique] = nums[i];
        }
    }
    return unique + 1;
}

int main()
{
    vector<int> nums = {1, 1, 2};
    cout << removeDuplicates(nums) << endl;
}
```