

ASSIGNMENT-4(AP)

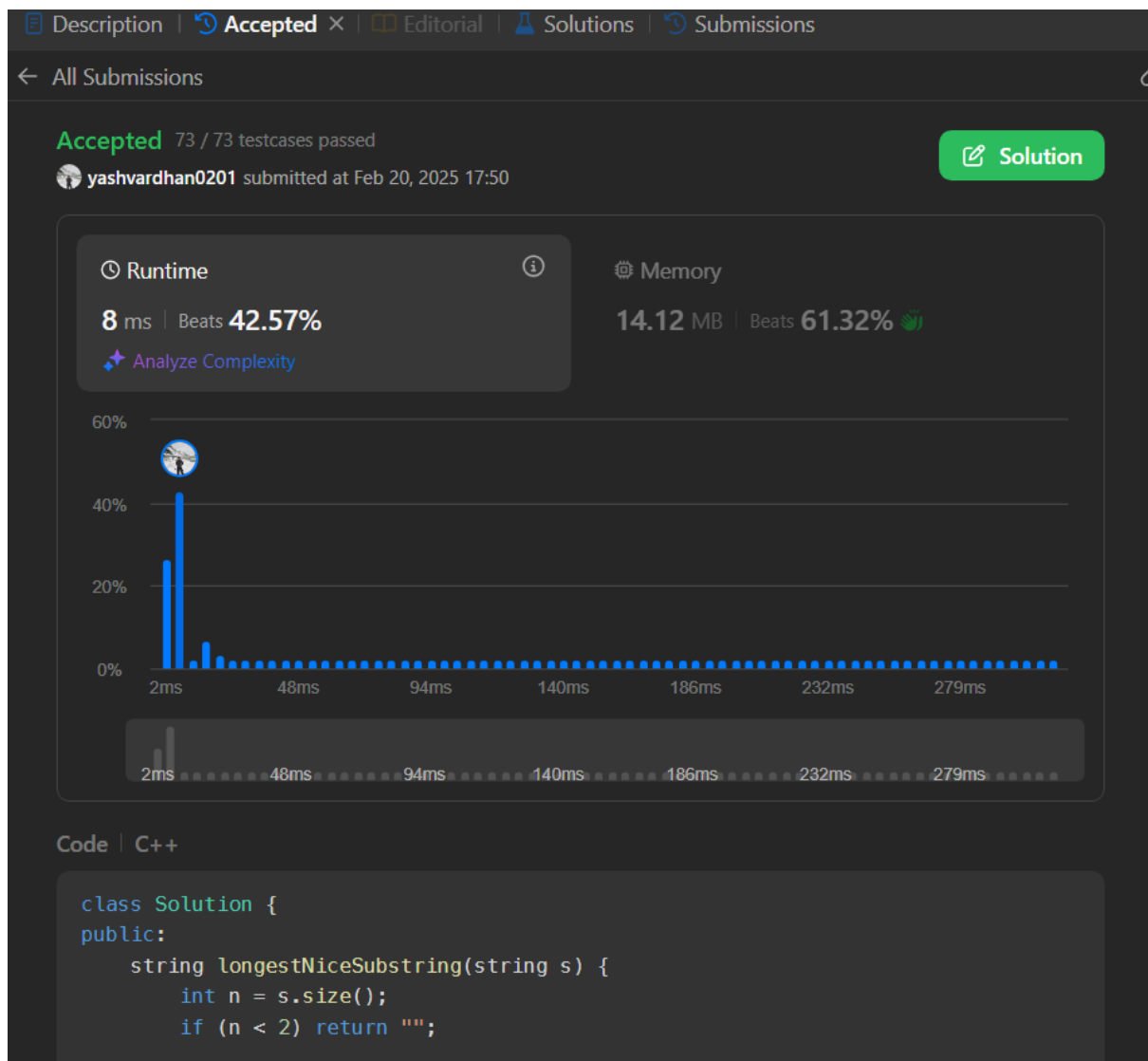
Name: Yashvardhan Singh

UID: 22BCS10258

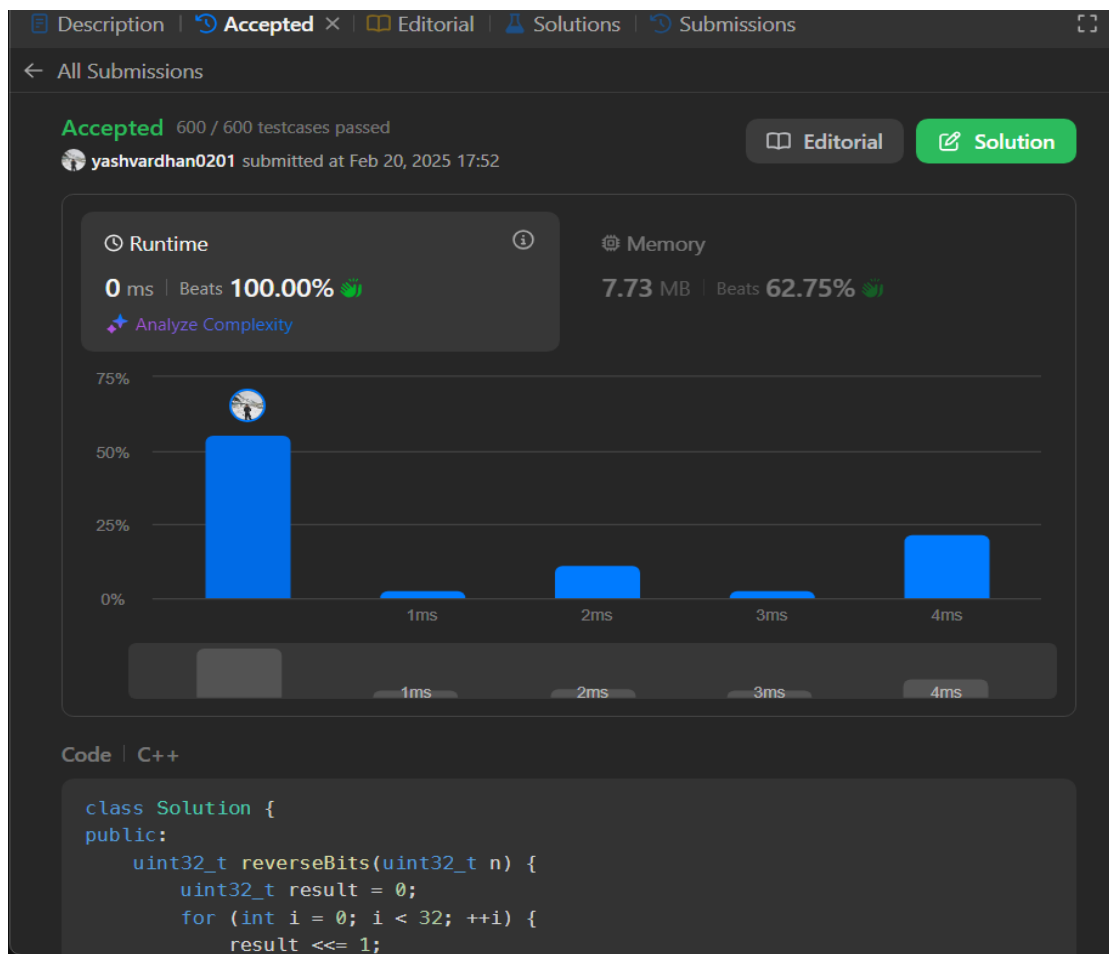
Section: 22BCS_FL_IOT-604

Group: A

1763. [Longest Nice Substring](#)



190. Reverse Bits



191. Number of 1 Bits



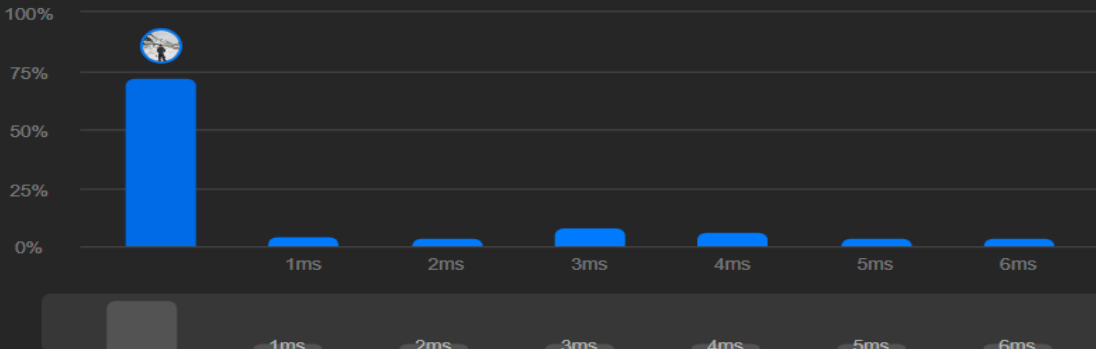
53. [Maximum Subarray](#)

Accepted 210 / 210 testcases passed
yashvardhan0201 submitted at Feb 20, 2025 17:55

[Editorial](#) [Solution](#)

Runtime 0 ms | Beats 100.00% 🌱
[Analyze Complexity](#)

Memory 71.76 MB | Beats 52.68% 🌱



Code | C++

```
class Solution {
public:
    int maxSubArray(vector<int>& nums) {
        int currentSum = nums[0];
        int maxSum = nums[0];
        for (size_t i = 1; i < nums.size(); ++i) {
```

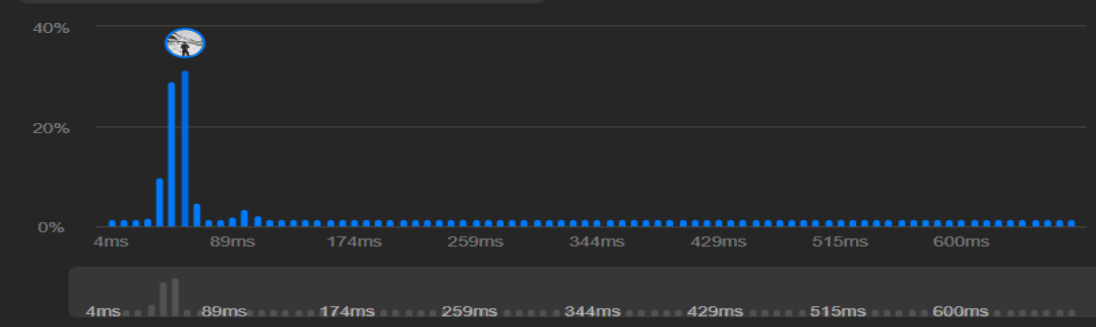
240. [Search a 2D Matrix II](#)

Accepted 130 / 130 testcases passed
yashvardhan0201 submitted at Feb 20, 2025 17:58

[Editorial](#) [Solution](#)

Runtime 59 ms | Beats 33.13%
[Analyze Complexity](#)

Memory 18.65 MB | Beats 67.40% 🌱




Code | C++


```
class Solution {
public:
    bool searchMatrix(vector<vector<int>>& matrix, int target) {
        int m = matrix.size(), n = matrix[0].size();
        int row = 0, col = n - 1;
        while (row < m && col >= 0) {
```



372. [Super Pow](#)

← All Submissions


Accepted 57 / 57 testcases passed


 **yashvardhan0201** submitted at Feb 20, 2025 18:00


 **Solution**

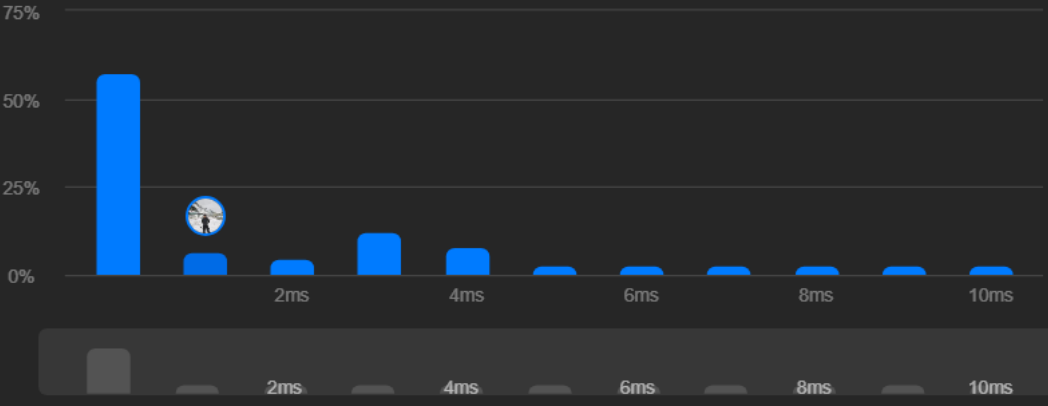
 **Runtime** 

1 ms | Beats **42.60%**

 [Analyze Complexity](#)

 **Memory**

15.12 MB | Beats **83.11%** 



Runtime (ms)	Percentage
0-1	~60%
1-2	~10%
2-3	~5%
3-4	~15%
4-5	~10%
5-6	~5%
6-7	~5%
7-8	~5%
8-9	~5%
9-10	~5%

Code | C++

```
class Solution {
public:
    const int MOD = 1337;

    int modExp(int a, int k) {
        int res = 1;
```