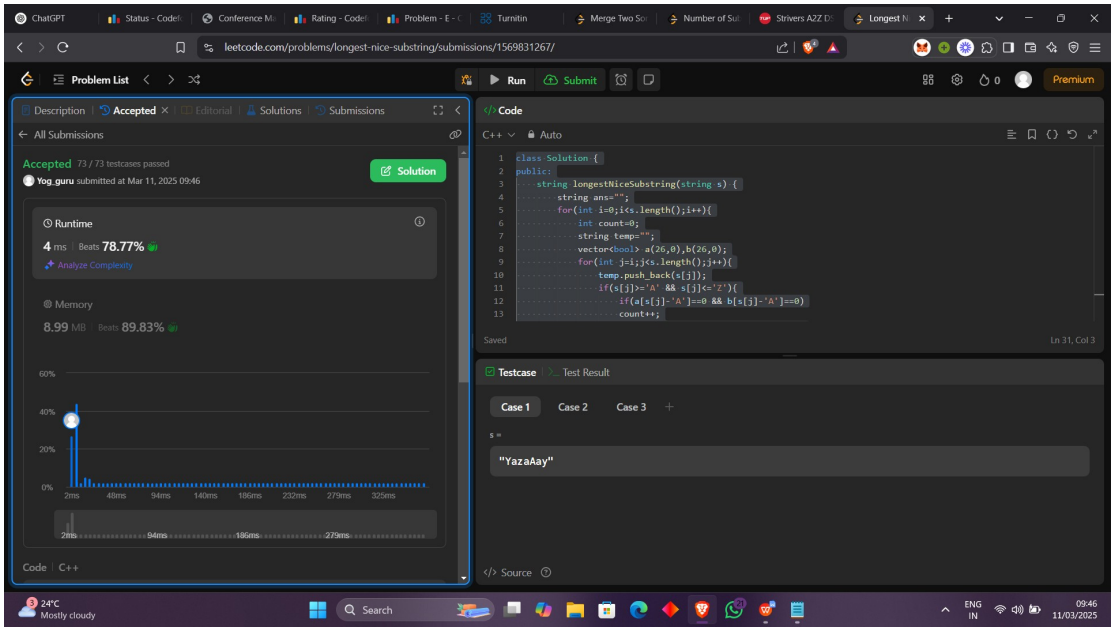
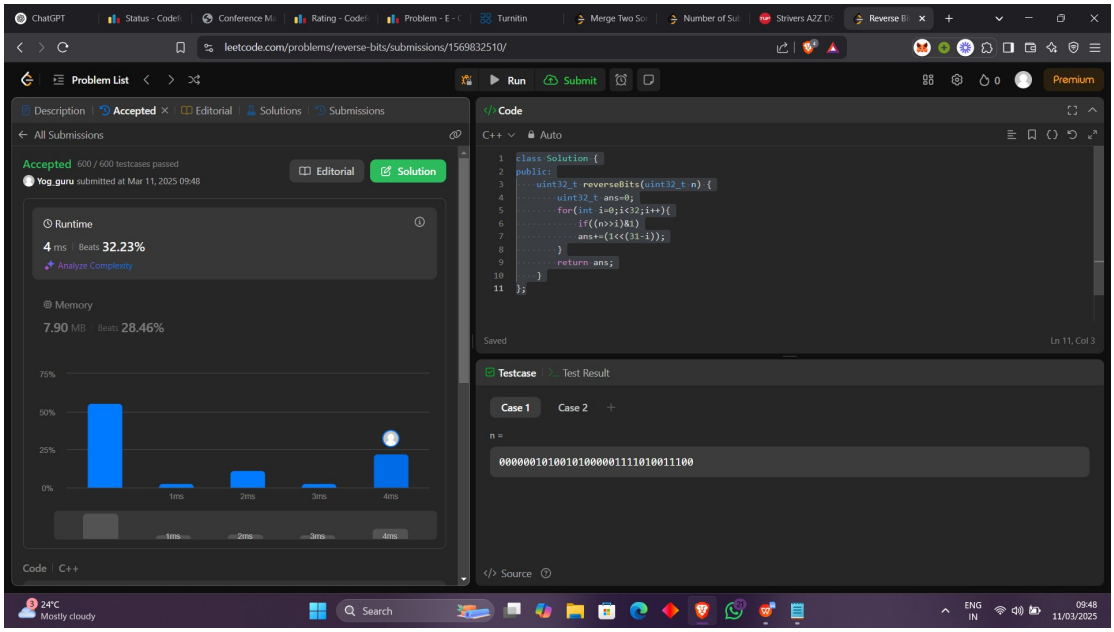
1763. Longest Nice Substring

```
class Solution {
public:
    string longestNiceSubstring(string s) {
        string ans="";
        for(int i=0;i<s.length();i++){
            int count=0;
            string temp="";
            vector<bool> a(26,0),b(26,0);
            for(int j=i;j<s.length();j++){
                temp.push_back(s[j]);
                if(s[j]>='A' && s[j]<='Z'){
                    if(a[s[j]-'A']==0 && b[s[j]-'A']==0)
                    count++;
                    else if(a[s[j]-'A'] && !b[s[j]-'A'])
                    count--;
                    b[s[j]-'A']=1;
                }
                else{
                    if(b[s[j]-'a']==0 && a[s[j]-'a']==0)
                    count++;
                    else if(b[s[j]-'a'] && !a[s[j]-'a'])
                    count--;
                    a[s[j]-'a']=1;
                }
                if(ans.size()<temp.size() && count==0)
                ans=temp;
            }
        }
        return ans;
    }
};
```



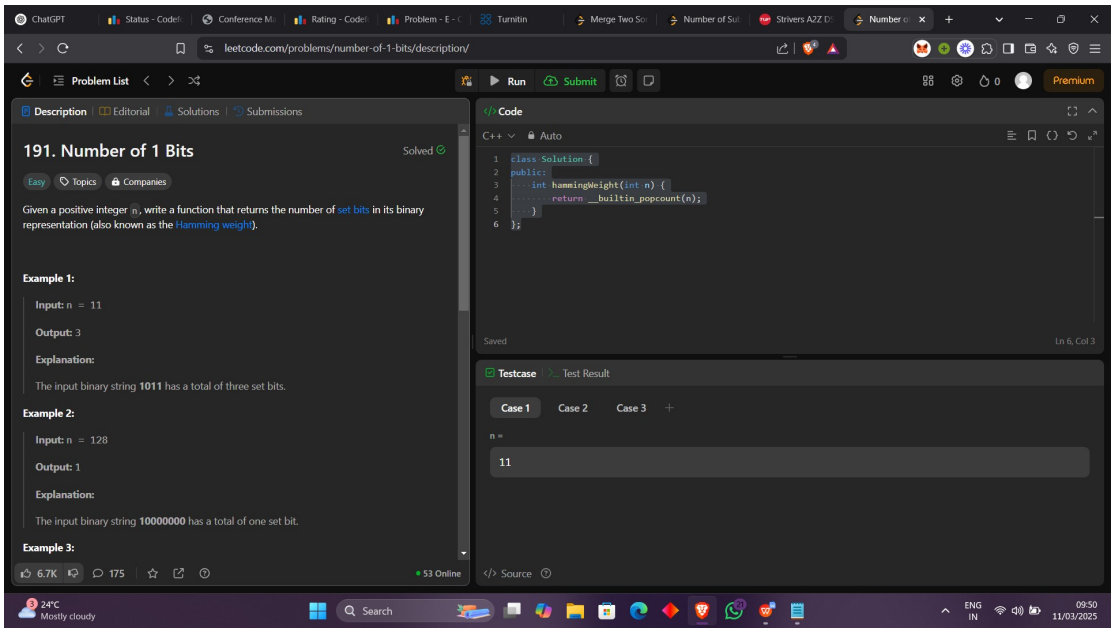
190. Reverse Bits

```
class Solution {
public:
    uint32_t reverseBits(uint32_t n) {
        uint32_t ans=0;
        for(int i=0;i<32;i++){
            if((n>>i)&1)
            ans+=(1<<(31-i));
        }
        return ans;
    }
};
```



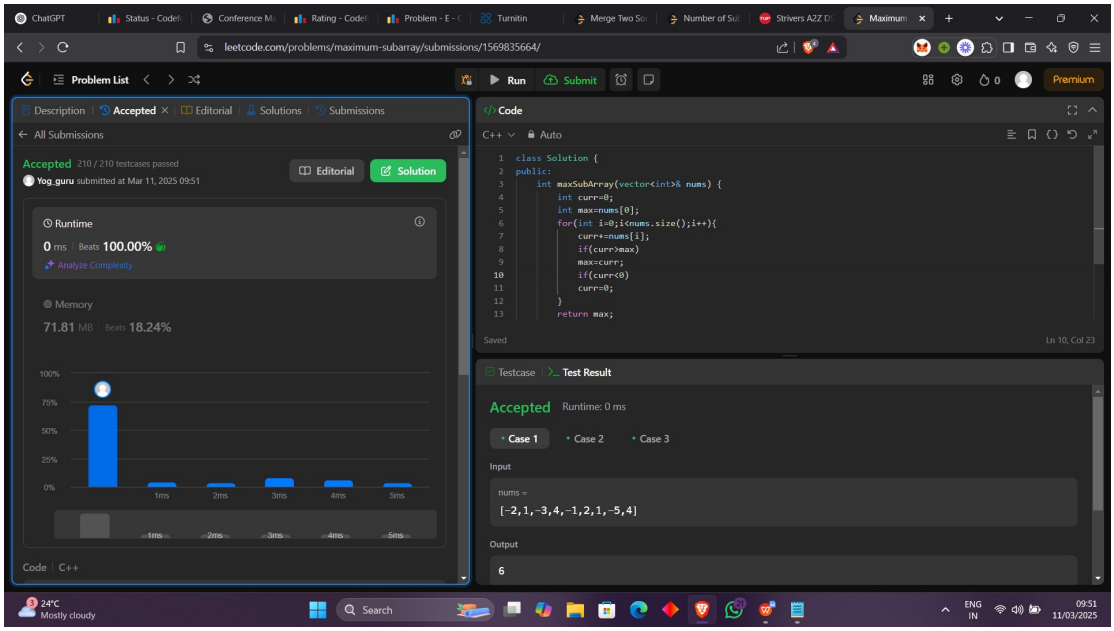
191. Number of 1 Bits

```
class Solution {
public:
    int hammingWeight(int n) {
        return __builtin_popcount(n);
    }
};
```



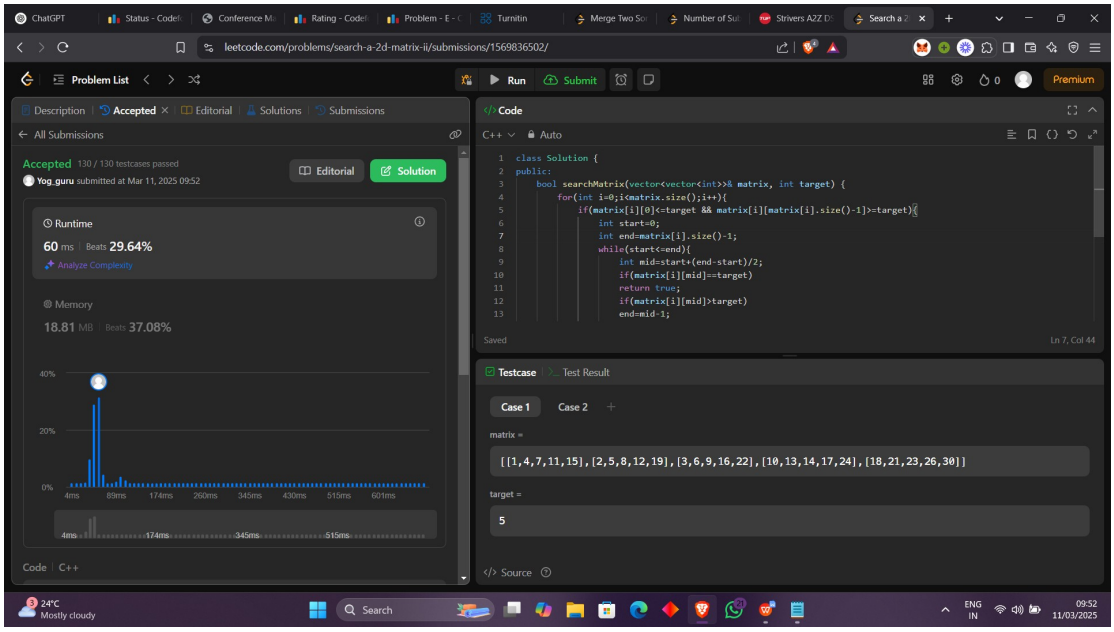
53. Maximum Subarray

```
class Solution {
public:
    int maxSubArray(vector<int>& nums) {
        int curr=0;
        int max=nums[0];
        for(int i=0;i<nums.size();i++){
            curr+=nums[i];
            if(curr>max)
            max=curr;
            if(curr<0)
            curr=0;
        }
        return max;
    }
};
```



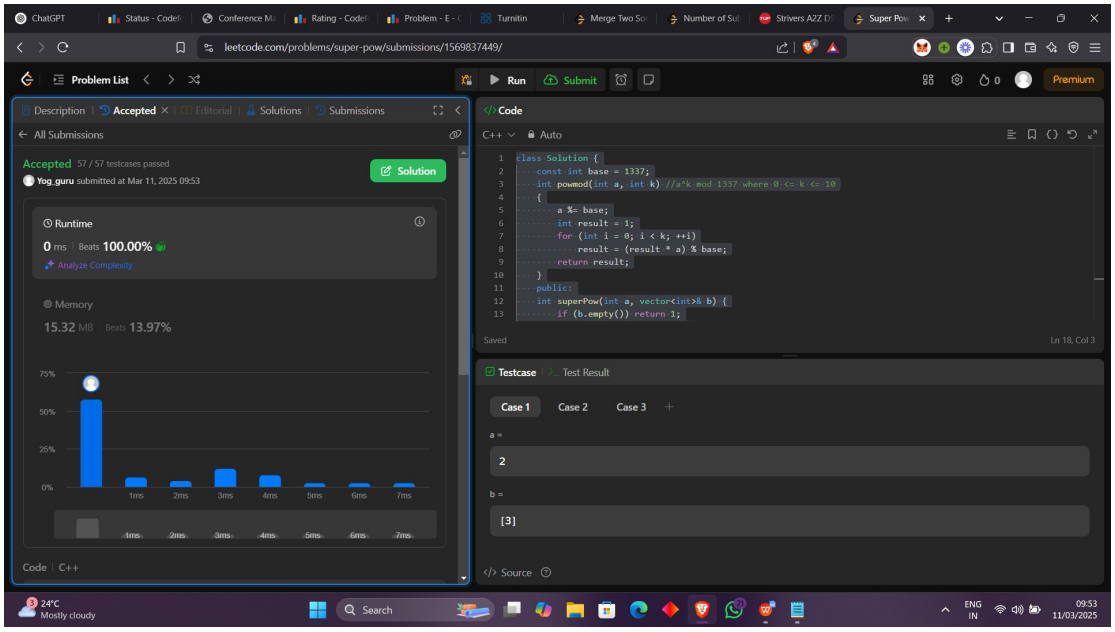
240. Search a 2D Matrix II

```
class Solution {
public:
    bool searchMatrix(vector<vector<int>>& matrix, int target) {
        for(int i=0;i<matrix.size();i++){
            if(matrix[i][0]<=target && matrix[i][matrix[i].size()-1]>=target){
                int start=0;
                int end=matrix[i].size()-1;
                while(start<=end){
                    int mid=start+(end-start)/2;
                    if(matrix[i][mid]==target)
                    return true;
                    if(matrix[i][mid]>target)
                    end=mid-1;
                    else
                    start=mid+1;
                }
            }
        }
        return false;
    }
};
```



372. Super Pow

```
class Solution {
   const int base = 1337;
   int powmod(int a, int k) //a^k mod 1337 where 0 <= k <= 10
   {
      a %= base;
      int result = 1;
      for (int i = 0; i < k; ++i)
         result = (result * a) % base;
      return result;
   }
   public:
   int superPow(int a, vector<int>& b) {
      if (b.empty()) return 1;
      int last_digit = b.back();
      b.pop_back();
      return powmod(superPow(a, b), 10) * powmod(a, last_digit) % base;
   }
};
```


leetcode.com/problems/super-pow/submissions/1569837449/
Problem List
Run
Submit
Premium
Description
Accepted
Editorial
Solutions
Submissions
All Submissions
Accepted 57 / 57 testcases passed
Yog_guru submitted at Mar 11, 2025 09:53
Solution
Runtime
0 ms Beats 100.00%
Analyze Complexity
Memory
15.32 MB Beats 13.97%
75%
50%
25%
0%
1ms 2ms 3ms 4ms 5ms 6ms 7ms
Code | C++
Code
C++
Auto
class Solution {
const int base = 1337;
int powmod(int a, int k) //a^k mod 1337 where 0 <= k <= 10
{
a %= base;
int result = 1;
for (int i = 0; i < k; ++i)
result = (result * a) % base;
return result;
}
public:
int superPow(int a, vector<int>& b) {
if (b.empty()) return 1;
Saved
Ln 18, Col 3
Testcase
Test Result
Case 1
Case 2
Case 3
a =
2
b =
[3]
Source
24°C
Mostly cloudy
Search
ENG
IN
09:53
11/03/2025