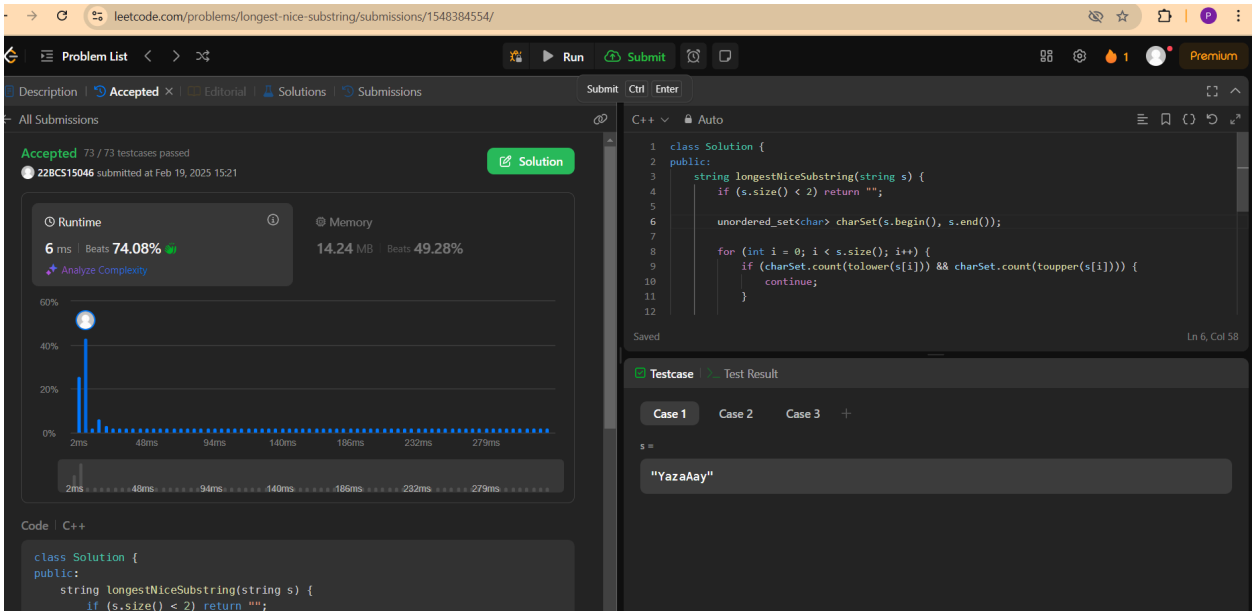
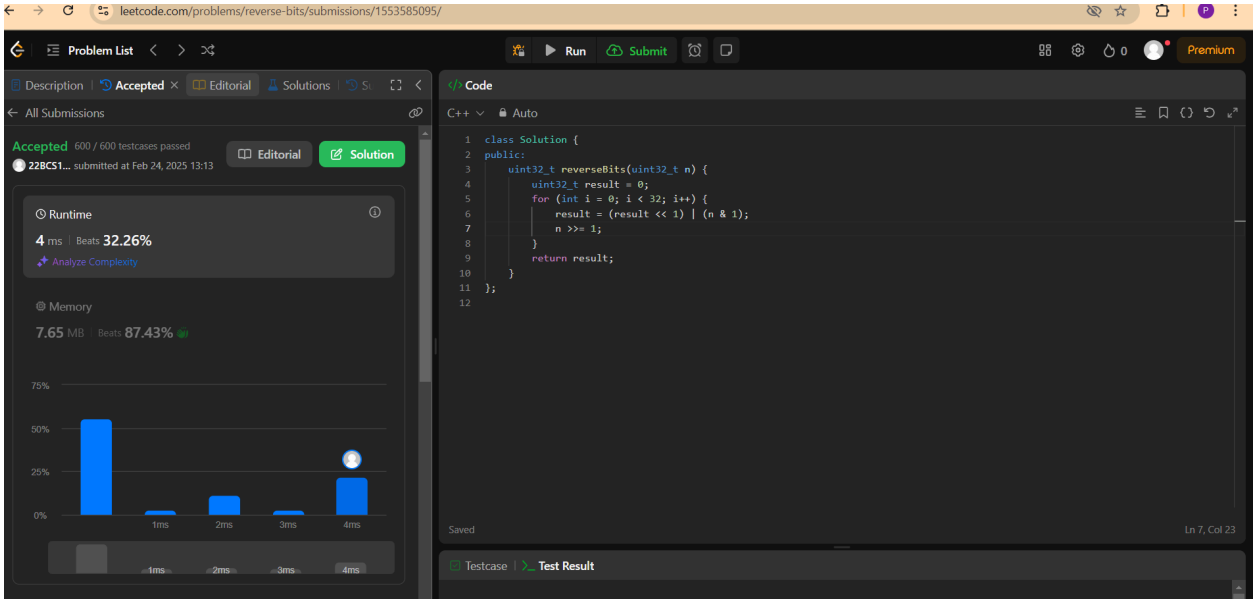
ASSIGNMENT-4(AP)
22BCS15046(PRIYANSHU)

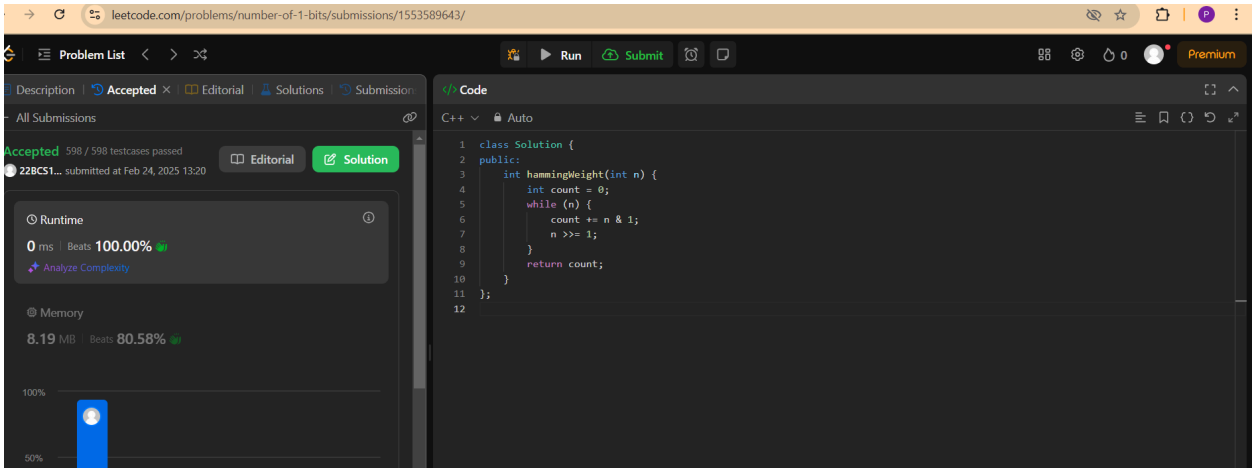
1(LONGEST NICE SUBSTRING)



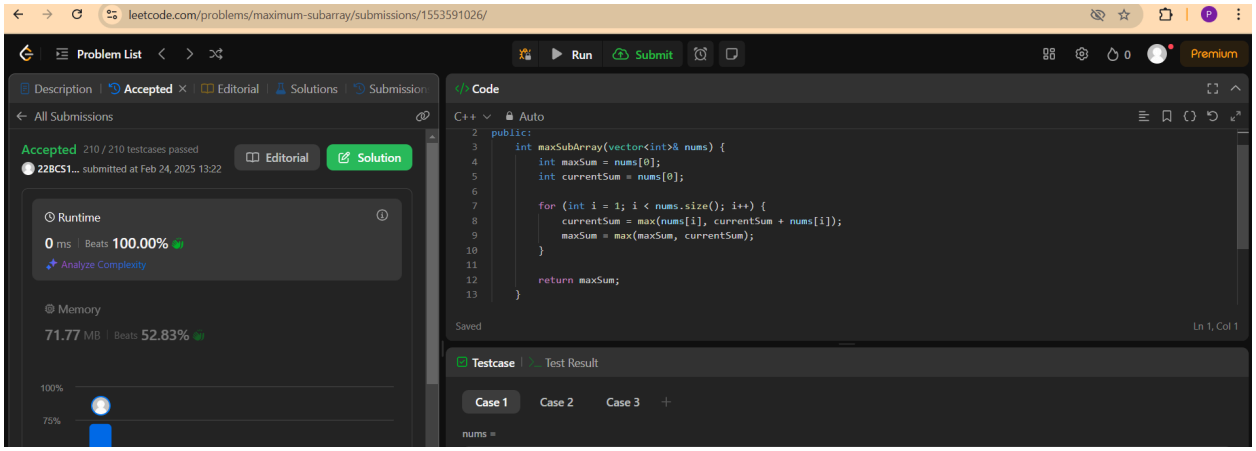
2(REVERSE BITS)



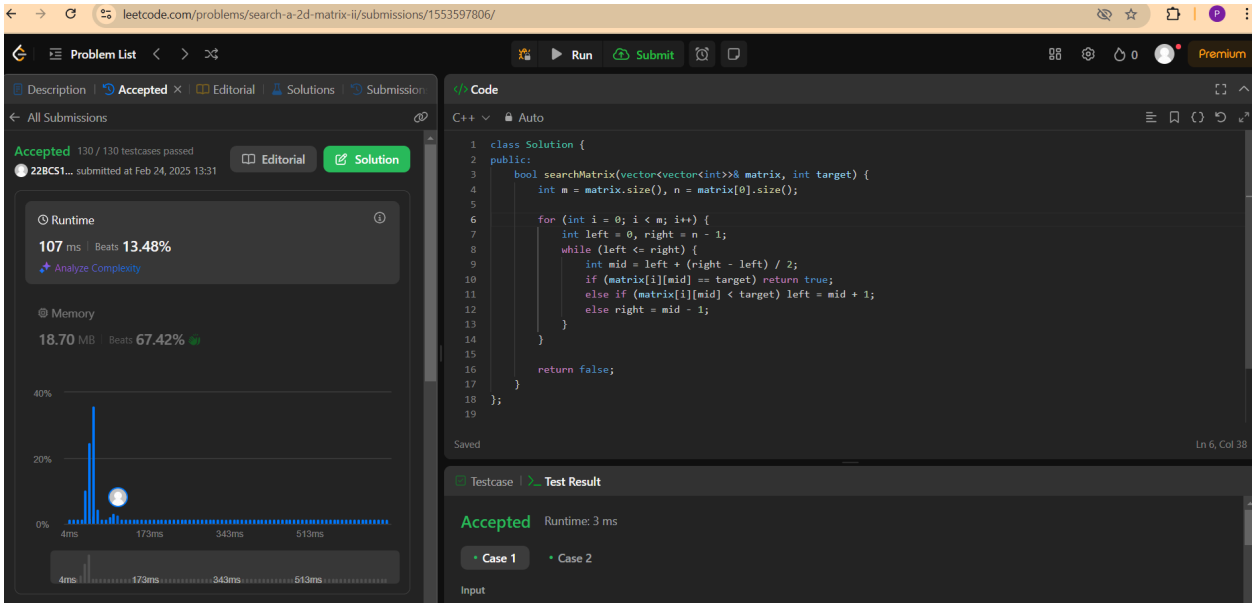
3(NUMBER OF 1 BITS)



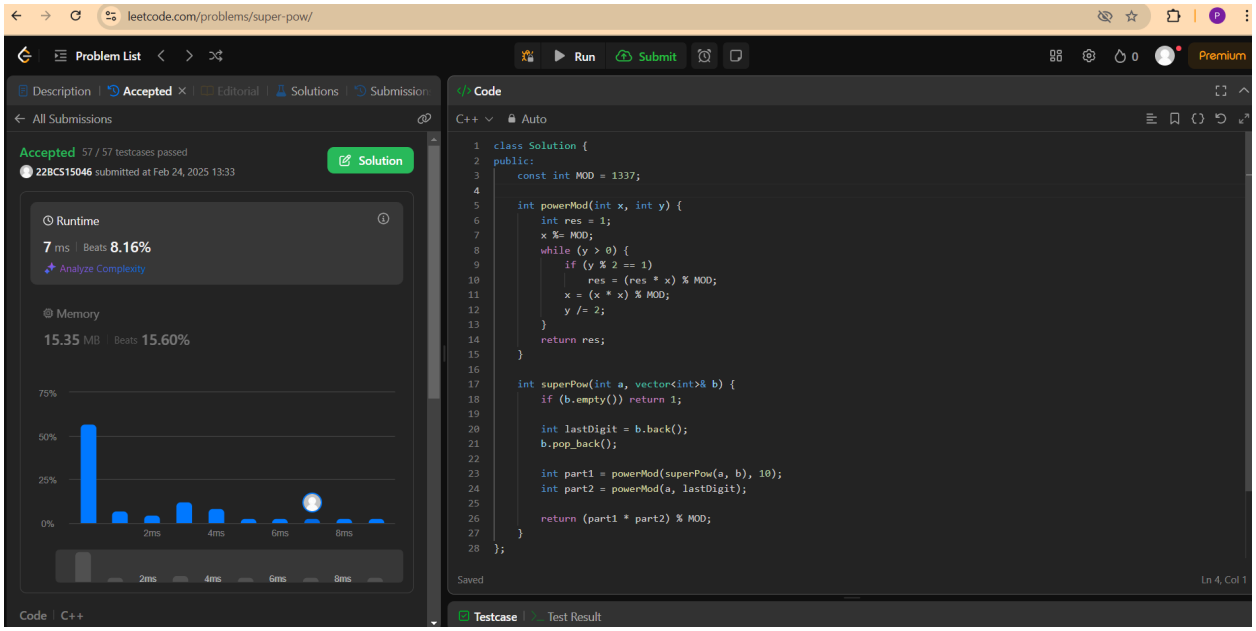
4(MAXIMUM SUBARRAY)



5(SEARCH A 2D MATRIX ||)



6(SUPER POW)


leetcode.com/problems/super-pow/
Problem List
Run
Submit
Premium
Description
Accepted
Editorial
Solutions
Submissions
All Submissions
Accepted 57 / 57 testcases passed
22BCS15046 submitted at Feb 24, 2025 13:33
Solution
Runtime
7 ms | Beats 8.16%
Analyze Complexity
Memory
15.35 MB | Beats 15.60%
75%
50%
25%
0%
2ms
4ms
6ms
8ms
Code | C++
Code
C++
Auto
class Solution {
public:
const int MOD = 1337;
int powerMod(int x, int y) {
int res = 1;
x %= MOD;
while (y > 0) {
if (y % 2 == 1)
res = (res * x) % MOD;
x = (x * x) % MOD;
y /= 2;
}
return res;
}
int superPow(int a, vector<int>& b) {
if (b.empty()) return 1;
int lastDigit = b.back();
b.pop_back();
int part1 = powerMod(superPow(a, b), 10);
int part2 = powerMod(a, lastDigit);
return (part1 * part2) % MOD;
}
};
Saved
Ln 4, Col 1
Testcase
Test Result