#15 days Dsa Coding challenge

Day 7

#Leetcode 456

132 pattern

Solution:

class Solution {

public:

bool find132pattern(vector<int>& nums) {

int n = nums.size();

stack<int> st;

int third = INT\_MIN;

for (int i = n - 1; i >= 0; i--) {

if (nums[i] < third) return true;

while (!st.empty() && nums[i] > st.top()) {

third = st.top();

st.pop();

}

st.push(nums[i]);

}

return false;

}

};

Time Complexity:O(n)

Space Complexity:O(n)