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#15 Days of Coding Challenge
#Day 7
132 pattern
#Leetcode 456
Solution:
class Solution {
public:
  bool find132pattern(vector<int>& nums) {
     stack<pair<int, int>> st;
     int cur_min = nums[0];
     for (size_t i = 1; i < nums.size(); ++i) {
        int n = nums[i];
        while (!st.empty() && n \ge st.top().first) {
          st.pop();
        }
        if (!st.empty() && n > st.top().second) {
          return true;
        }
        st.push(std::make_pair(n, cur_min));
        cur_min = std::min(cur_min, n);
     }
     return false;
};
Time Complexity: O(n)
Space Complexity: O(n)
```