Problem Link:

<https://leetcode.com/problems/longest-strictly-increasing-or-strictly-decreasing-subarray/?envType=daily-question&envId=2025-02-03>

Solution:

class Solution {

public:

int longestMonotonicSubarray(vector<int>& nums) {

int n = nums.size();

if(n == 1)

return 1;

int m = 1;

int il = 1;

int dl = 1;

for(int i = 1; i < n; ++i)

{

if(nums[i] > nums[i-1])

{

il++;

dl = 1;

}

else if(nums[i] < nums[i-1])

{

dl++;

il = 1;

}

else

{

il = 1;

dl = 1;

}

m = max(m, max(il, dl));

}

return m;

}

};