

Next Greater Element II

nums = [1, 2, 3, 4, 3]

Scenario; array, list is circular, means we have to check on the both sides left and right (both)

Brute Force Approach $O(n^2)$

Optimal Approach

nums = [3, 6, 5, 4, 2] 3, 6, 5, 4, 2

ans = [6, -1, 6, 6, 3]

vector<int> s(n-1)

stack<int> s

for(2n-1 to 0){

while(s.size() > 0 && nums[s.top()] <= nums[i%n])

s.pop()

ans[i%n] = s.empty() ? -1 : nums[s.top()];

s.push(i%n) - valid idx

$T.C = O(n)$

$S.C = O(n)$