503. Next Greater Element II <medium>

class Solution {

public:

vector<int> nextGreaterElements(vector<int>& nums) {

int n = nums.size();

vector<int> res(n, -1);

stack<int> s;

for(int i = 0; i < n\*2; i++){

int p = nums[i%n];

while(!s.empty() && nums[s.top()] < p){

res[s.top()] = p;

s.pop();

}

if(i < n)

s.push(i);

}

return res;

}

};