Problem Link:

<https://leetcode.com/problems/next-greater-element-i/>

Solution:

class Solution {

public:

vector<int> nextGreaterElement(vector<int>& nums1, vector<int>& nums2) {

unordered\_map<int, int> m;

stack<int> s;

for(int n : nums2)

{

while(!s.empty() && n > s.top())

{

m[s.top()] = n;

s.pop();

}

s.push(n);

}

while(!s.empty())

{

m[s.top()] = -1;

s.pop();

}

vector<int> v;

for(int n : nums1)

{

v.push\_back(m[n]);

}

return v;

}

};