Problem Link:

<https://leetcode.com/problems/contains-duplicate-ii/>

Solution:

class Solution {

public:

bool containsNearbyDuplicate(vector<int>& nums, int k) {

map<int, int> m;

for(int i = 0; i < nums.size(); ++i)

{

if(m.find(nums[i]) != m.end() && i - m[nums[i]] <= k)

{

return true;

}

m[nums[i]] = i;

}

return false;

}

};