Problem Link:

<https://leetcode.com/problems/partition-array-such-that-maximum-difference-is-k/?envType=daily-question&envId=2025-06-19>

Solution:

class Solution {

public:

int partitionArray(vector<int>& nums, int k) {

sort(nums.begin(), nums.end());

int c = 0;

int s = 0;

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

{

if(nums[i] - nums[s] > k)

{

c++;

s = i;

}

}

return c + 1;

}

};