1060. Missing Element in Sorted Array <Medium>

class Solution {

public:

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

int N = nums.size();

int sum = 0;

int i = 0;

for(; i+1 < N; i++){

int steps = nums[i+1] - nums[i] - 1;

if(sum + steps >= k) {

break;

}

sum += steps;

}

return nums[i] + k - sum;

}

};