**268. Missing Number**

Easy

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Given an array nums containing n distinct numbers in the range [0, n], return *the only number in the range that is missing from the array.*

**Example 1:**

**Input:** nums = [3,0,1]

**Output:** 2

**Explanation:** n = 3 since there are 3 numbers, so all numbers are in the range [0,3]. 2 is the missing number in the range since it does not appear in nums.

class Solution {

public int missingNumber(int[] nums) {

int n=nums.length;

int su=((n+1)\*(n))/2;

for(int i=0;i<n; i++)

su=su-nums[i];

return su;

}

}

