

Missing number

```
class Solution {
```

```
public:
```

```
    int missingNumber(vector<int>& nums) {
```

```
        int ans1 = 0, ans2 = 0, n= nums.size();
```

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

```
            ans1 ^=i;
```

```
            ans2 ^=nums[i];
```

```
        }
```

```
        return (ans1^n)^ans2;
```

```
    }
```

```
};
```