

1539. Kth Missing Positive Number

```
1 class Solution {
2 public:
3 int find(vector<int>& arr,int k){
4
5     int s=0;
6     int e=arr.size()-1;
7     int mid=s+(e-s)/2;
8     while(s<=e){
9         int ele=arr[mid]-(mid+1);
0         if(ele<k){
1             s=mid+1;
2         }else{
3             e=mid-1;
4         }
5         mid=s+(e-s)/2;
6     }
7     return k+e+1;
8 }
9
0 int findKthPositive(vector<int>& arr, int k) {
1
2     int idx=find(arr,k);
3
4     return idx;
5
6
7
8
9 }
0 };
```