

TO FIND KEY VALUE 38

|   |   |   |    |    |    |    |    |    |    |
|---|---|---|----|----|----|----|----|----|----|
| 2 | 4 | 8 | 17 | 25 | 27 | 30 | 32 | 38 | 45 |
| 0 | 1 | 2 | 3  | 4  | 5  | 6  | 7  | 8  | 9  |



```
class Solution
{
public:
    int search(vector<int>& nums, int target)
    {
        int l=0;
        int h=nums.size()-1;
        int mid;
        while(l<=h)
        {
            mid=(l+h)/2;
            if(target==nums[mid])
                return mid;
            if (target<nums[mid])
                h=mid-1;
            else
                l=mid+1;
        }
        return -1;
    }
};
```