```
int get_map_pos(int pos, int offset,int numsSize)
   if (pos >= (numsSize - offset))
       return (pos+offset) % numsSize;
   }else
       return pos+offset;
}
int get_next(int pos, int numsSize)
   return (pos+1) % numsSize;
int get_prev(int pos,int numsSize)
   return ( (pos-1) >= 0 ) ? (pos-1) : (numsSize-1);
int search(int* nums, int numsSize, int target){
  int left;
   int middle;
   int right;
int offset;
   left = 0;
right = numsSize-1;
   while (left<=right)</pre>
       middle = left + (right - left) / 2;
if(nums[middle] == target)
            return middle;
        }else if (nums[middle] < nums[right])</pre>
            left = middle + 1;
            }else
               right = middle - 1;
       } else
            if (nums[left] <= target && nums[middle] > target)
               right = middle - 1;
               left = middle + 1;
   return -1;
```