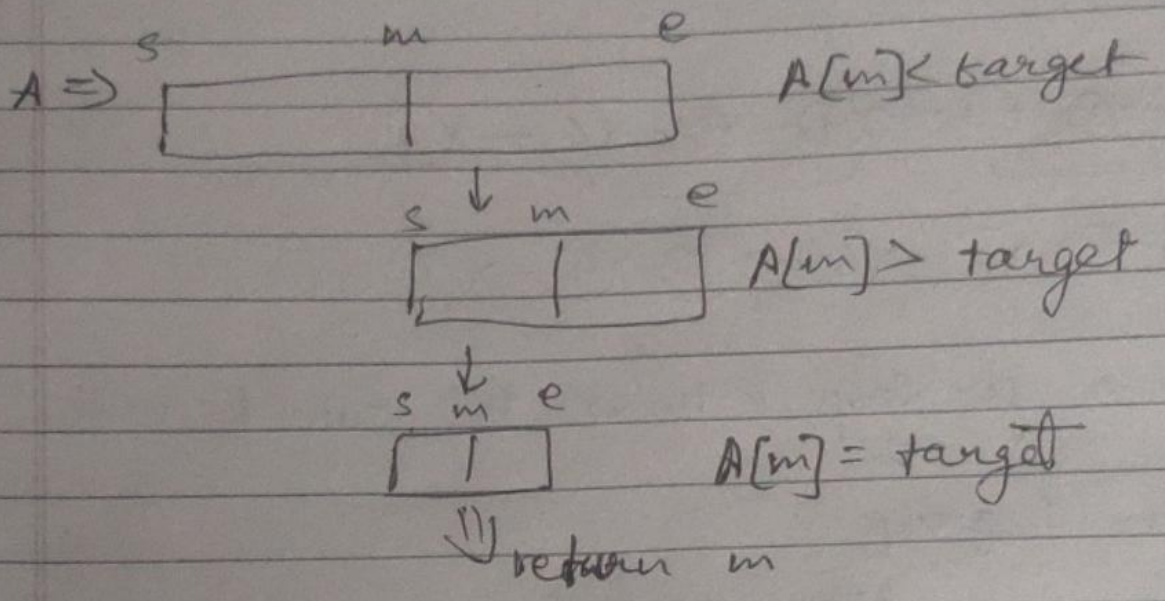
BINARY SEARCH (Recursion)




```
int search ( int[] arr, int target, int s, int e){
    if (s > e) { // Base condn (start crosses end)
        return -1;
    }
    int mid = s + (e-s)/2; // calc. mid (prevent integer overflow)
    if (arr[mid] == target) return mid; // return found at mid
    if (target > arr[mid]) // search right half
        return search(arr, target, mid+1, e);
    // search left half
    return search(arr, target, s, mid-1);
}
```