

We know it is somewhere between mid and j, since we know it is now mid we can start at index mid+1 to j for the next recursion call



By doing (j-i)/2 we get how far is the middle from a starting point and since the index of our starting point is not 0 we need to add in i to get correct middle index



If the target is in the first half of the array we just call fun(i,mid) to cover since the other half is covered by mid+1 to j

