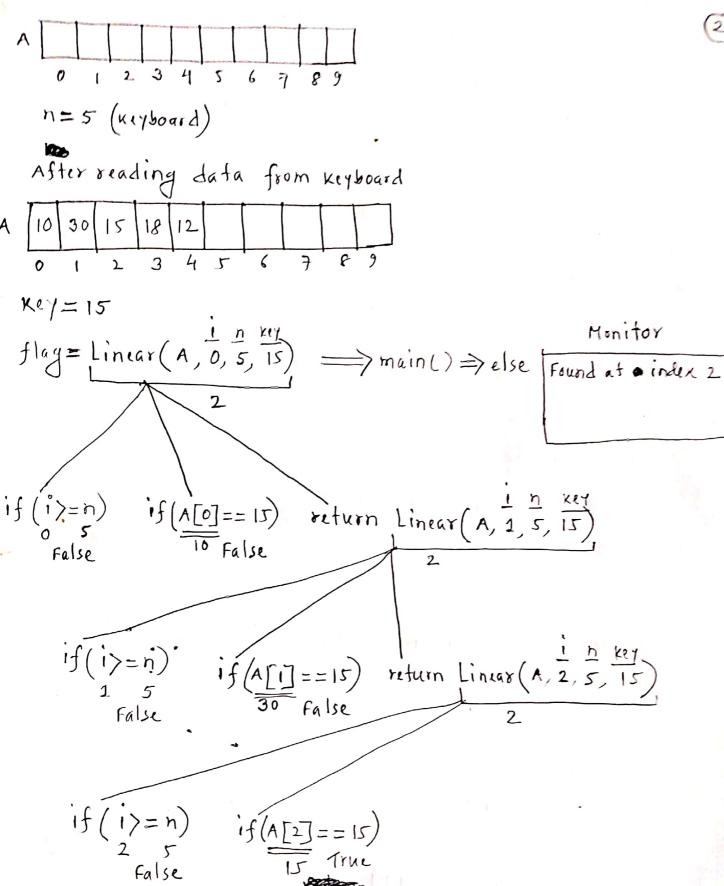
```
Recursive Linear Search
   # include (ntdio.h)
  int Linear ( a int A[], int i, int n, inf key);
  int main() {
      int A[10], key, n; int flag.
     Arcad n from keyboard
    11 read key from key board
    11 read data A from keyboard
    flag = Linear (A, O, n, key);
    if (flag == 0)
       printf ("Not Found");
    else printf ("Found at index /d", flag),
    return o;
int Linear (int A[], int i, int n, int key) {
         if(i)=n
              return o;
         if (A[i] = = key)
              return 1;
         else return Linear(A, i+1, n, key),
```



return 2

```
# include (ntdio.h)
 int Binary (int A[], int low, int high, int key),
 int main() {
     int A[10], key, n, flag;
    11 read in from keyboard
   11 read A data from keyboard
   // read key from keyboard
   flag= Binary (A, O, n-1, Key),
  if (flag==0)
      printf ("Not Found");
  printf ("Found at index /d", flag).
   return o;
int Binary (int A[], int low, int high, int key)?
         if (low) high)
              return o;
         mid = (low+ high)/2;
          dimage .
          if(A[mid] = = Key)
              return mid;
          else if (n[mid] > key)
              return Binary (A, low, mid-1, key).
```

return Binary (A, mid+1, high, key),.

