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   1BM19CS150
 Recursive Linear and Binary Search.
 #include < stdio.h>
  void binary-search (int[], int, int, int);
  void bubble_sunt [int[], int);
  int main ()
     int key, size, i;
     int list [25];
     printf ("Enter size of a list:");
     scanf ("/d", & size);
     printf (" futer clements \n");
     for (i=0; icaize; i++)
       scanf(" . / d", & list[i]);
      bubble - sent ( list, size);
      printf ("\n");
      printf (" futer key to search \n");
      scanf ("/d", h hey);
      binary-search (list, o, size, key);
     void bubble - sout (int list [], int size)
         int temp, i, j;
         for ( i=0; i < size; i++)
         l for (j=i;j(size;j++)
              l if (list[i] > list[j])
                   I temp = list[i];
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list[i] = list[j];
             list [j] = temp;
void binary-search (int list [], int lo, inthi, int key)
  int mid;
   printf ("Key not found \n");
   mid = (lo+hi)/2;
if (lis+[mid] == key)
    printf ("Key mot found \n");
   else if (list [mid] > key)
   1 binary - search (list, lo, mid-1, key);
     else if (list[mid] < key)

L binary - search (list, mid+1, hi, key);
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