```
Public static int binarySearch(int[] sortedArray, int key, int low, int high) {
int middle = (low + high) / 2;
if (high < low) {
   (key == sortedArray[middle])
   return middle;
} else if (key < sortedArray[middle]) {
    return binarySearch(sortedArray, key, low, middle - 1);
} else {
    return binarySearch(sortedArray, key, middle + 1, high);
```