public static int pesquisaBinaria(int[] arr, int key) {

int inf = 0, sup = arr.length -1;

return pesquisaBinaria(arr, key, inf, sup);

}

public static int pesquisaBinaria(int[] arr, int key, int inf, int sup){

int med = (inf + sup) / 2;

if (key == arr[med] ) return med;

else if ( inf == sup ) return -1;

else if ( key > arr[med] )

return pesquisaBinaria( arr, key, med + 1, sup );

else if ( key < arr[med] )

return pesquisaBinaria( arr, key, inf, med – 1 );

}