function binarySearch(numArray, key) {

var middleIdx = Math.floor(numArray.length / 2);

var middleElem = numArray[middleIdx];

if (middleElem === key) return true;

else if (middleElem < key && numArray.length > 1) {

return binarySearch(numArray.splice(middleIdx, numArray.length), key);

}

else if (middleElem > key && numArray.length > 1) {

return binarySearch(numArray.splice(0, middleIdx), key);

}

else return false;

}

binarySearch([5, 7, 12, 16, 36, 39, 42, 56, 71], 56);