

Algorithm count0sAnd1 (arr, start, end)

Input: Array of 0s and 1s and start & end index

Output: count of 0s and 1s

~~start ← 0~~

~~end ←~~

middle \leftarrow (start + end) / 2

~~if (arr[middle] = 0)~~

if (arr[middle] = 0)

{

return count0sAnd1(start, middle);

}

else

{

return count0sAnd1(middle, end);

}

if (middle == end)

{

return middle;

}