20.24. N LOG N COMPLEXITY

$$for(i = 1; i \leq n; i + +)\{$$

$$\quad for(j = 1; j \leq n; j = j * 2)\{$$

$$\quad\quad c = c + 1;$$

$$\}$$

SOLUTION:

Here outer for loop runs n times and inner loop runs `logn` times , hence time complexity is :
$O(nlogn)$.