20.25. LOG SQUARED N COMPLEXITY

EXAMPLE

```
for(i = 1; i \le n; i = i * 2){
for(j = 1; j \le n; j = j * 2){
c = c + 1;
```

ANSWER

Outer loop run : logn and inner loop run: logn and c = c + 1 prints logn \times logn times = $O(log^2n)$ times.