

对数阶 $O(\log n)$

```
int count=1;  
while (count<n) {  
    count*=2;  
    //时间复杂度为 $O(1)$ 的语句块  
}
```

$$2^x = n \implies$$

$$x = \log_2 n = \frac{\log n}{\log 2}.$$