01-F-1 动态规划 & 01-F-02 fib() 递推方程 & 01-F-3 fib 封底计算

#数据结构邓神

```
Make it work
make it right
make it first
 – Kent Beck
```

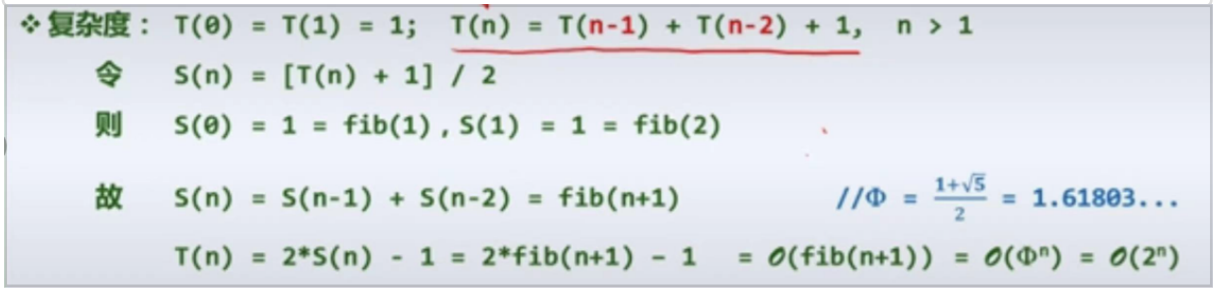
fib(): 递归

```
fib(0) = 0;fib(1) = 1;
fib(n) = fib(n–1) + fib(n–2) : {0,1,1,2,3,5,8,...}
```

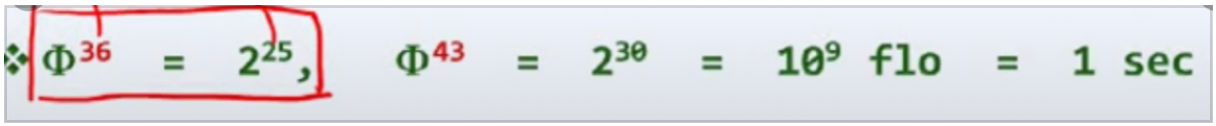
```
int fib(int n){
  return (2 > n) ? n : fib(n–1) + fib(n–2);
}
```

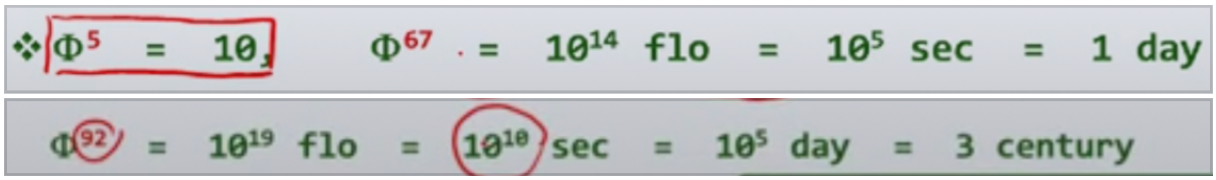
为什么这么满?

It work and It Right; But it is slow



指数级别复杂度





计算 67 要1天！！！

计算 92 要3个世纪！！！