```
const fact = f \Rightarrow n \Rightarrow n < 2 ? 1 : n * f(f)(n - 1);
                                                    调用变化
```

```
fact
=> (f => n => n < 2 ? 1 : n * f(f)(n - 1))
```



```
=> (f => (g => n => n < 2 ? 1 : n * g(n - 1))(f(f)))
```

这不就是函数映射P吗

```
=> (l => f => l(x => f(f)(x)))(P)
```

```
=> (l => f => l(f(f))(P)
```

延迟计算防止爆栈

```
(l \Rightarrow f \Rightarrow l(x \Rightarrow f(f)(x)))(P) 等价于 fact
```

const fact = f => n => n < 2 ? 1 : n *
$$f(f)(n - 1)$$
; 调用变化

fact

$$=> (l => f => l(x => f(f)(x)))(P)$$

$$(l \Rightarrow f \Rightarrow l(x \Rightarrow f(f)(x)))(P)$$
 等价于 fact

fact(fact)(n)