

操作系统课设之进程

小组主要工作

可视化以下过程：

进程初始化

进程创建

进程切换

进程结束

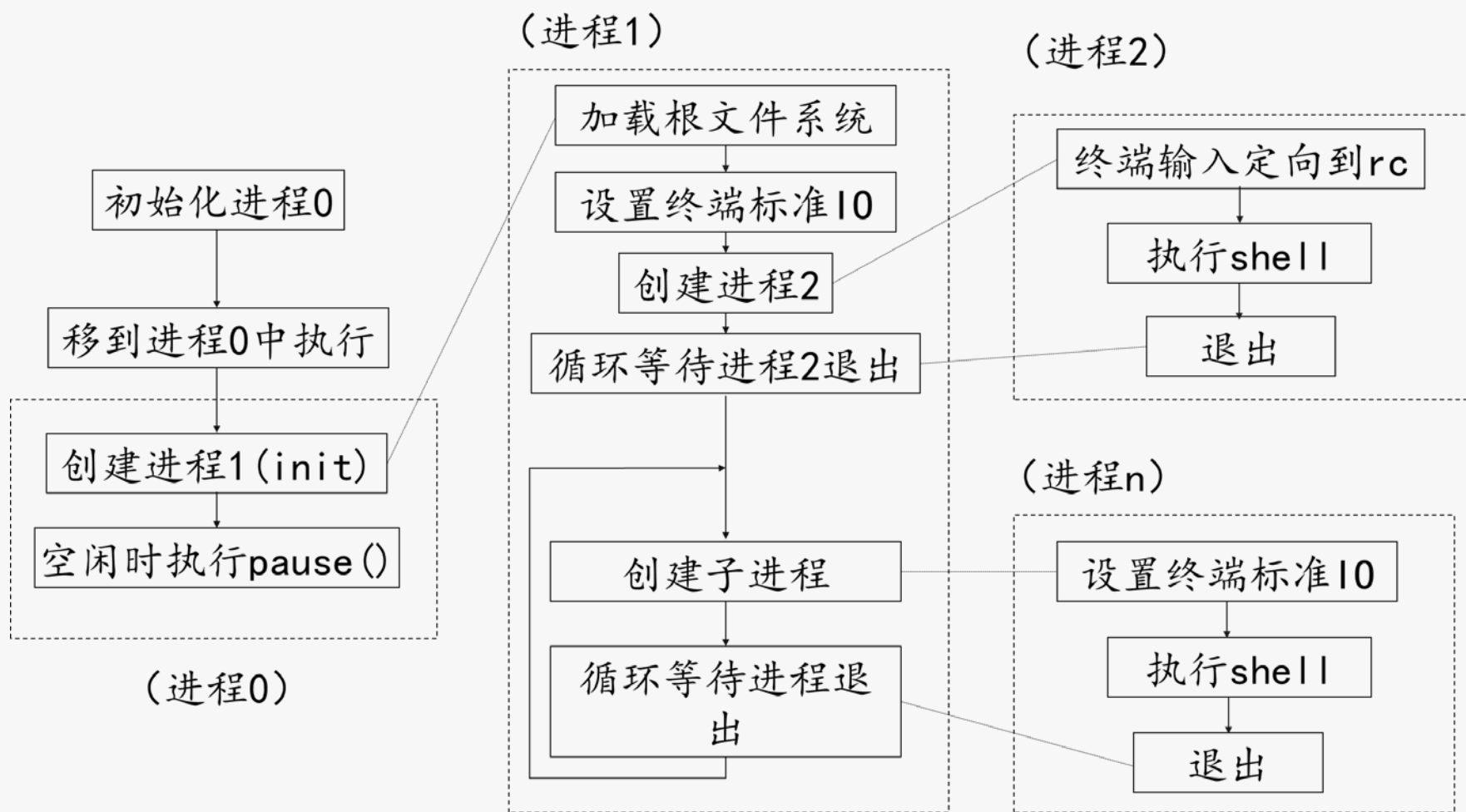
进程通信

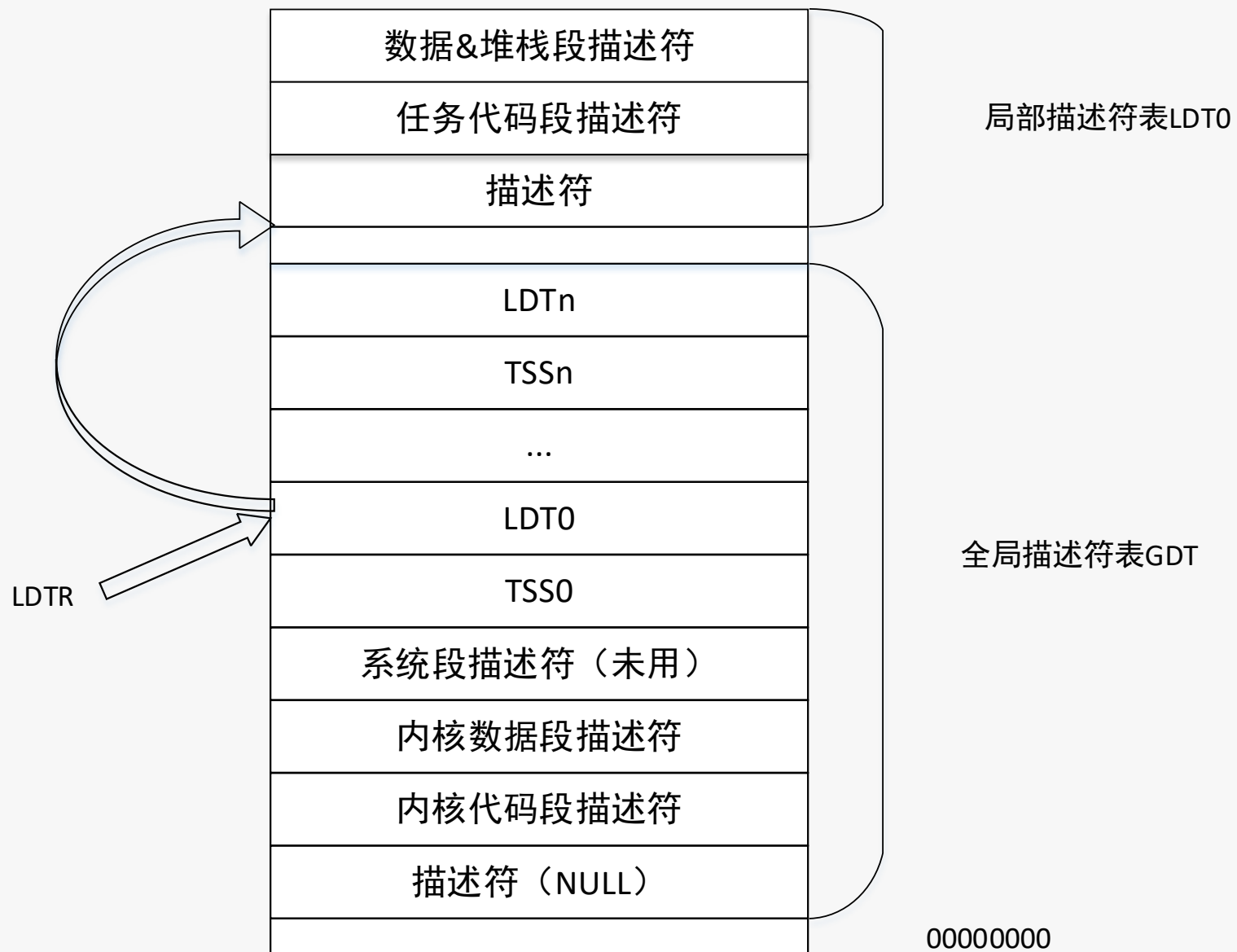


我的工作

进程初始化

进程通信





第三项	0x00C0 F200
	0x0000 009F
第二项	0xc0 FA00
	0x0000 009F
第一项	0x0
	0x0

```

struct tss_struct {
    back_link = 0x0;
    esp0 = PAGE_SIZE + (long)&init_task
    ss0 = 0x10
    esp1 = 0x0
    ss1 = 0x0
    esp2 = 0x0
    ss2 = 0x0
    cr3 = (long)&pg_dir
    eip = 0x0
    eflags = 0x0
    eax = 0x0
    ecx = 0x0
    edx = 0x0
    ebx = 0x0
    esp = 0x0
    ebp = 0x0
    esi = 0x0
    edi = 0x0
    es = 0x17
    cs = 0x17
    ss = 0x17
    ds = 0x17
    fs = 0x17
    gs = 0x17

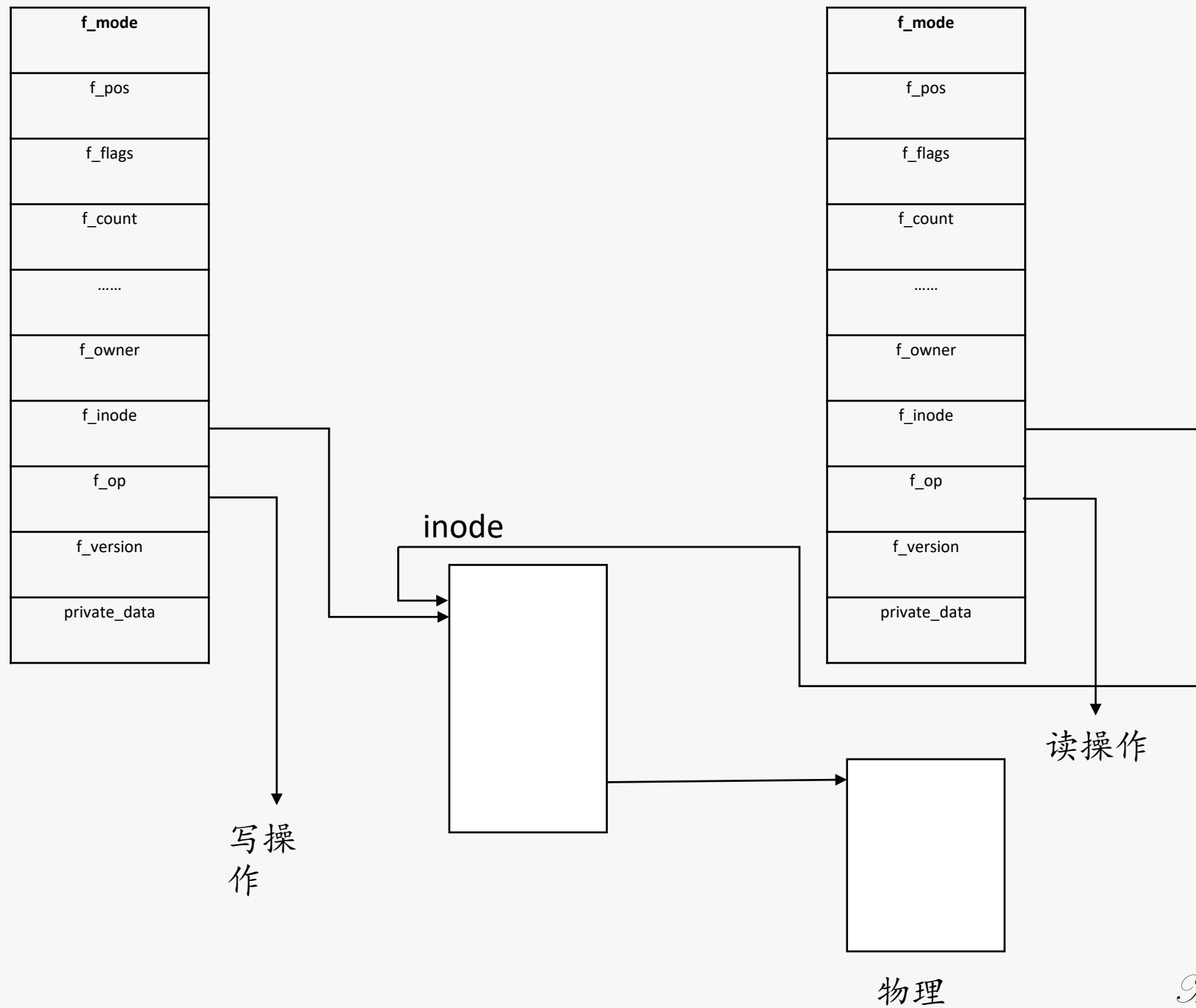
```

```
struct tss_struct {  
    back_link = 0x0;  
    esp0 = PAGE_SIZE + (long)p(也就是任务数据结构所处页面的基地址)  
    ss0 = 0x10  
    esp1 = 0x0  
    ss1 = 0x0  
    esp2 = 0x0  
    ss2 = 0x0  
    cr3 = (long)&pg_dir  
    eip = 0x6756  
    eflags = 0x202  
    eax = 0x0  
    ecx = 0x3D400  
    edx = 0x21  
    ebx = 0x3  
    esp = 0x1E24C  
    ebp = 0x1E254  
    esi = 0x900A0  
    edi = 0x1CD98  
    es = 0x17  
    cs = 0xF  
    ss = 0x17  
    ds = 0x17  
    fs = 0x17  
    gs = 0x17
```

进程通信

借助文件系统中file
结构和索引节点inode

通过共享物理内存页
来实现





Thank you!