



临界区问题之算法一 (Algorithm 1)

Algorithm 1

◆ 定义两进程共享数据

∞ **int** **turn**;

并且取初值 **turn = 0**

∞ **turn = i** \Rightarrow 进程 P_i 可以进入临界区

◆ 进程 P_i

```
do {  
    while (turn != i) ;  
    critical section  
    turn = j;  
    remainder section  
} while (1);
```

Algorithm 1 (续)

◆ 进程 P_j

```
do {  
    while (turn != j) ;  
    critical section  
    turn = i;  
    remainder section  
} while (1);
```

◆ 满足 Mutual Exclusion, 但不满足 Progress

◆ 为什么 ?



End