

Mutual Exclusion With Busy Waiting

Peterson's Solution

```
1 | int interest[0] = 0;  
2 | int interest[1] = 0;  
3 | int turn;
```

P0

```
1 | interest[0] = 1;  
2 | turn = 1;  
3 | while(interest[1] == 1  
4 |         && turn == 1);  
5 | critical_section();  
6 | interest[0] = 0;
```

P1

```
1 | interest[1] = 1;  
2 | turn = 0;  
3 | while(interest[0] == 1  
4 |         && turn == 0);  
5 | critical_section();  
6 | interest[1] = 0;
```



Wikipedia. *Peterson's algorithm* — Wikipedia, The Free Encyclopedia. 2015.