

First process

1. while True:
2.   x = True
3.   while y: pass
4.   # critical section
5.   x = False

Second process

1. while True:
2.   y = True
3.   if x then:
4.     y = False
5.     while x: pass
6.     goto 2
7.   # critical section
8.   y = False

