exp8

April 21, 2022

```
[]: import time
     from threading import Thread, RLock
[]: class Shared:
         def __init__(self):
             self.lock = RLock()
         def test1(self, arg):
             with self.lock:
                 print("test 1 begin")
                 time.sleep(1)
                 arg.test2(self)
                 print("test 1 end")
         def test2(self, arg):
             with self.lock:
                 print("test 2 begin")
                 time.sleep(1)
                 arg.test1(self)
                 print("test 2 end")
     class Thread1(Thread):
         def __init__(self,s1,s2):
             super().__init__()
             self.s1 = s1
             self.s2 = s2
         def run(self):
             self.s1.test1(self.s2)
     class Thread2(Thread):
         def __init__(self,s1,s2):
             super().__init__()
             self.s1 = s1
             self.s2 = s2
         def run(self):
```