一、利⽤管程解决多读者多写者问题

class monitor():  
 def \_\_init\_\_(self,ID):  
 self.ID=ID  
 def pickup(self):  
 P(fork[self.ID])  
 P(fork[(self.ID+1)%5])  
 def putup(self):  
 V(fork[self.ID])  
 V(fork[(self.ID + 1) % 5])  
  
def philosopler(i):  
 思考问题  
 monitor(i).pickup()  
 吃东西  
 monitor(i).putup()  
  
if \_\_name\_\_=="\_\_main\_\_":  
 fork = [1, 1, 1, 1, 1]  
 for i in range(5):  
 philosopler(i)