```
home > aryan > Projects > ECGR5101 > ass07 > 🤣 q1.py
      counting_semaphore customerReady
      chairs_available = 3
      binary_semaphore cut
      def barber_function():
               cutHair() # cut their hair
      def customer_function():
          lock (chairs)
          if (chairs_available == 0):
               chairs_available -= 1
          getHairCut()
          lock(chairs)
          chairs_available += 1
      def cutHair():
          sleep(2)
          signal(cut)
```

```
> aryan > Projects > ECGR5101 > ass07 > 💠 q2.py
# the signal that this thread is ox
   conditional_var waiting_hackers
conditional_var waiting_employees
        f RowBoat():
thread.exit()
                  (captain):
RowBoat()
```

at minimum wage (7.25) is costing the company \$1'160 per month, assuming 40-hour work week and 4 weeks a month.

8 If the employee is fired and the dead lock is mitigated using a algorithm, All the jobs still get completed, but without the \$60 + \$1'160 cost of the salary and the job restart cost.

y

Yes, the company should fire the employee and setup a deadlock algorithm