```
1 class Process:
   def __init__(self, chanID, procID, procIDSet):
2
      self.chan.join(procID)
3
     self.procID = int(procID)
     self.otherProcs.remove(self.procID)
     self.queue = []
                                               # The request queue
     self.clock = 0
                                               # The current logical clock
9
   def requestToEnter(self):
      self clock = self clock + 1
                                                         # Increment clock value
      self.queue.append((self.clock, self.procID, ENTER)) # Append request to q
     self.cleanupQ()
                                                         # Sort the gueue
      self.chan.sendTo(self.otherProcs. (self.clock, self.procID, ENTER)) # Send request
   def ackToEnter(self. requester):
5
      self clock = self clock + 1
                                                         # Increment clock value
      self.chan.sendTo(requester, (self.clock, self.procID, ACK)) # Permit other
   def release(self):
      tmp = [r for r in self.queue[1:] if r[2] == ENTER] # Remove all ACKs
      self.aueue = tmp
                                                         # and copy to new queue
      self.clock = self.clock + 1
                                                         # Increment clock value
      self.chan.sendTo(self.otherProcs, (self.clock, self.procID, RELEASE)) # Release
3
5
   def allowedToEnter(self):
      commProcs = set([req[1] for req in self.queue[1:]]) # See who has sent a message
      return (self.queue[0][1] == self.procID and len(self.otherProcs) == len(commProcs))
```

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