```
class Participant:
def run(self):
  self.log.info('INIT')
  msg = self.chan.recvFrom(self.coordinator, BLOCK, TIMEOUT)
  if msg == -1: # Crashed coordinator - give up entirely
    decision = LOCAL_ABORT
  else: # Coordinator will have sent VOTE REQUEST
    decision = self.do work()
    if decision == LOCAL ABORT:
      self.chan.sendTo(self.coordinator, VOTE_ABORT)
      self.log.info('LOCAL ABORT')
    else: # Ready to commit, enter READY state
      self.log.info('READY')
      self.chan.sendTo(self.coordinator, VOTE_COMMIT)
      msg = self.chan.recvFrom(self.coordinator, BLOCK, TIMEOUT)
      if msg == -1: # Crashed coordinator - check the others
        self.log.info('NEED_DECISION')
        self.chan.sendTo(self.participants, NEED_DECISION)
        while True:
          msg = self.chan.recvFromAny()
          if msg[1] in [GLOBAL COMMIT. GLOBAL ABORT. LOCAL ABORT]:
             decision = msg[1]
            break
      else: # Coordinator came to a decision
        decision = msg[1]
  if decision == GLOBAL COMMIT:
    self.log.info('COMMIT')
  else: # decision in [GLOBAL_ABORT, LOCAL_ABORT]:
    self.log.info('ABORT')
  while True: # Help any other participant when coordinator crashed
    msg = self.chan.recvFrom(self.participants)
    if msg[1] == NEED DECISION:
       self.chan.sendTo([msg[0]], decision)
```