Distributed System Assignment

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```
class Lamport clock:
 det -- enit -- (seff):
      Self. time = 0
  de tick (self):
       self. time t = 1
    de send_event (sef):
        Self. tick ()
      & return Self. time
  def receive-event (self, received time):
       Set. line = max (set . line, received time)+1
    if _name _ = = "_ main - - "."
            process - a = Lamport clock ()
            process -b = Lamprot clock ()
            preint (" griet seil times").
     preint (f " Process A : 1 Process -a. times")
     print (f" Process B: ( Preocess -b. line?")
    mexage_timestamp = Preocen_a . Send_revent()
  print (f "In Presieus a sends a message at line forcessage time stourne stourne stourne stourne stourne stourne
 Process - b. receive - event (mexage timestamp)
 preint (f & Priocess B receives the message and updates it's clock to
               f process B. same })
 print (1 " In Previous B sends a message at time homewage timestamp)
 preocess _a. seceive _ event (message _ time stop)")
 PHOCES _a. receive _event (message _timestop)
preint (per Precess A receives the mestage and repolates it's clock
            to {Precess. a lime!").
```