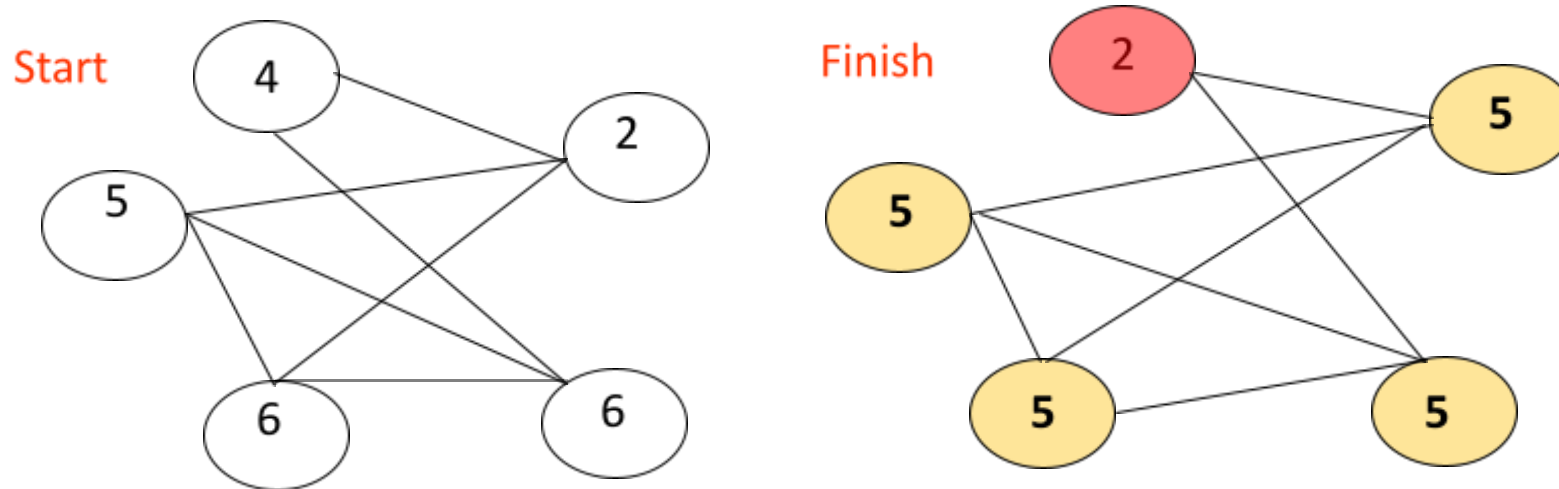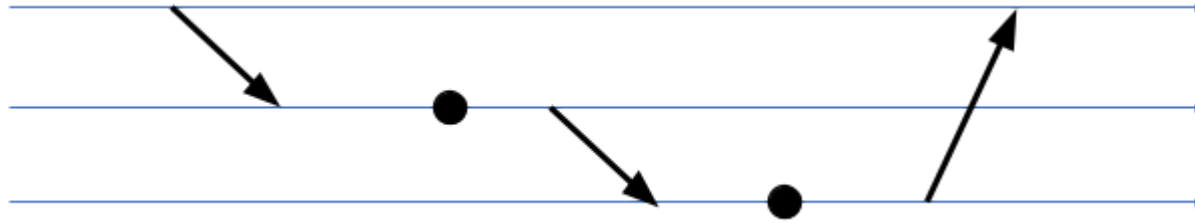| Parallel and Distributed Computing (BCS-6C/6D, BDS-6A) Quiz 06 (Spring 2023). Instructor: Dr. Syed M. Irteza		Name:
Date: 2023-05-09 (CLO: 3)		Roll Number:
Total Marks: 10	Time Allowed: 10 mins	

1. With the given start configuration, show a possible finish configuration that enables "AGREEMENT" (assume the top process is faulty)

*This is one possible solution, where all the non-faulty processors agree on **5**. We could have also written the value **2** on all non-faulty processors, that would also be acceptable, or **6** for all of them, or even **2** for all of them would be also be acceptable. The value on the faulty processor is **unimportant**.*

2. Show with an example how vector clocks work, with your example having 3 processes, at least 2 local events and at least 3 messages.

P_0

P_1

P_2

(1,0,0)

(1,1,0)

(1,2,0)

(1,3,0)

(1,3,1)

(1,3,2)

(1,3,3)

(2,3,3)