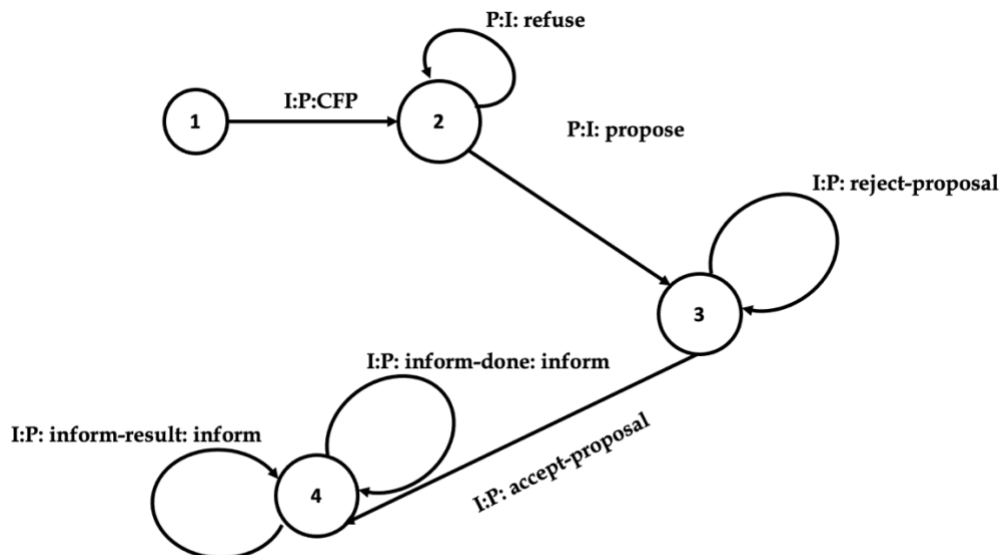


Assessment 1
Part 3

- a) Provide an equivalent representation of the protocol as a finite automation. Your messages (Which should appear as labels on the edges) should be in the form of Sender: Receiver: Message.



- b) Provide the pseudo-code for the initiator. Notice that the protocol considers one initiator interacting with m participants whose unique IDs are known in advance.

```
1: procedure Initiator
2: send (participant, CFP)
3: receive (participant, refuse) OR receive (participant, propose)
4: send (participant, accept-proposal) OR send (participant, reject-proposal)
5: receive (participant, failure) OR receive (participant, inform-done: inform) OR receive (participant, inform-result: inform)
6: end procedure
```

- c) Provide a pseudo-code for the participant. The protocol considers all participants communicating with a single initiator.

```
1: procedure Participant
2: receive (Initiator, CFP)
3: send (initiator, refuse) OR send (initiator, propose)
4: receive (initiator, accept-proposal) OR send (initiator, reject-proposal)
5: send (initiator, failure) OR send (initiator, inform-done: inform) OR send (initiator, inform-result: inform)
6: end procedure
```