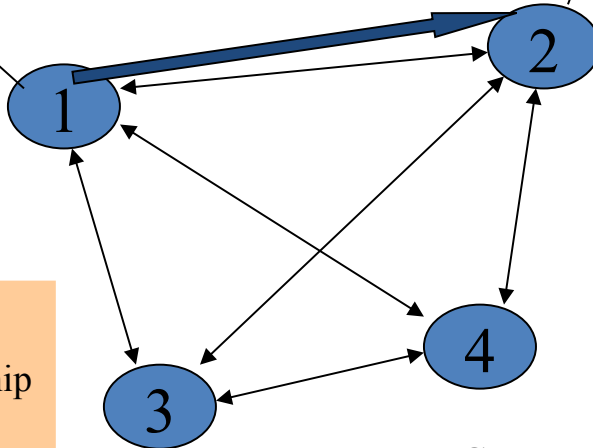


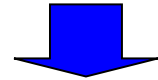
Gossip-Style Failure Detection

1	10120	66
2	10103	62
3	10098	63
4	10111	65

Address Time (local)
Heartbeat Counter



1	10118	64
2	10110	64
3	10090	58
4	10111	65



1	10120	70
2	10110	64
3	10098	70
4	10111	65

Current time : 70 at node 2
(asynchronous clocks)

Protocol:

- Nodes periodically gossip their membership list: pick random nodes, send it list
- On receipt, it is *merged* with local membership list
- When an entry times out, member is marked as failed