

**Question 1**

Suppose a distributed system is running a gossip-style failure detection with  $T_{fail} = 15$ ;  $T_{cleanup} = 20$ . If a node A, at local time = 65, has heartbeat table

1	10220	55
2	10115	48
3	11028	44
4	10640	57
5	10880	60
6	11000	48

and receives a gossip message from node B containing the table

1	10150	45
2	10250	56
3	10910	57
4	10790	60
5	11010	60
6	10960	60

What will the updated table of A look like?

**Answer:**

Updated table A

1	10220	55
2	10250	65
4	10790	65
5	11010	65
6	11000	48