Hands on homework

1. The entries are:
   port vlan MAC age
   port vlan MAC age

2. The links are:
   b-s1
   s1-s2
   a-s1
   d-s2
   e-s2
3. The link is:
   s1-s2: id = 25
4. The entries did not change:
   port vlan MAC age
   port vlan MAC age
5. The links are:
   e-s2
   d-s2
   s1-s2
   a-s1
   b-s1
6. The entries are:
7. Port   vlan   MAC   age
   4   25   00:00:00:ee:ee:ee   138
   2   25   00:00:00:ee:ee:ee   164
8. Pinging e runs successfully whereas pinging c fails with a "Destination Host Unreachable" error. The first ping is successful because hosts b and e are in the same VLAN, thus, reachable from each other. The second ping fails because hosts b and c are in different VLANs, and communication between different VLANs require a router (level 3 switch).
9. The behavior is different. The ping is successful for both c and e. This is because if VLAN is not configured and there is a direct connection between two switches, the two switches and their hosts make the same broadcast domain. Therefore, pinging any host on either switch should be successful.