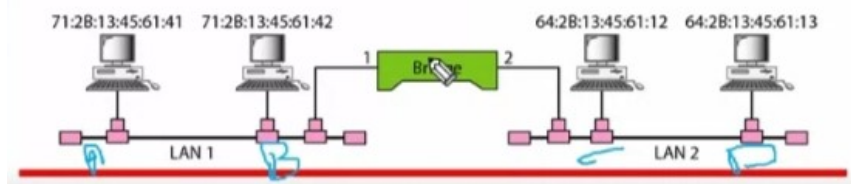


– forwarding & dropping of frames.

- If the frame is to be forwarded, the port must be specified.
 - A bridge has a table used in filtering decisions.
 - A bridge doesn't change the physical addresses contained in the frame.
-

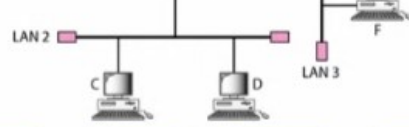
71:2B:13:45:61:41	1
71:2B:13:45:61:42	1
64:2B:13:45:61:12	2
64:2B:13:45:61:13	2

Bridge Table



According to IEEE 802.1D, a system equipped with transparent bridges must meet three criteria.

1. Forwarding.
 2. Learning.
 3. Loops should not be present.
-



Address	Port

a. Original

Address	Port
A	1

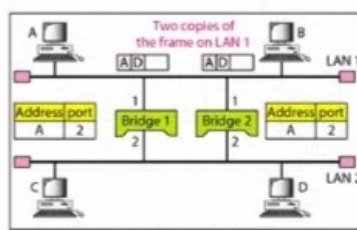
b. After A sends a frame to D

Address	Port
A	1
E	3

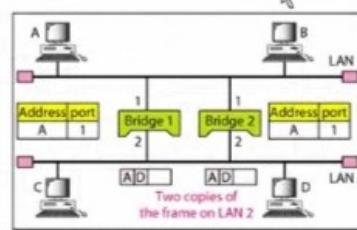
c. After E sends a frame to A

Address	Port
A	1
E	3
B	1

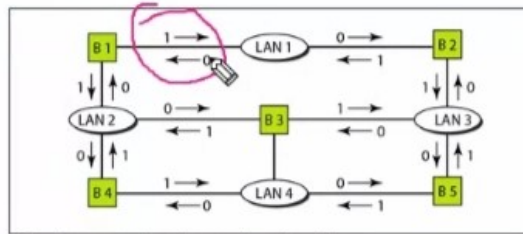
d. After B sends a frame to C



c. Both bridges forward the frame



d. Both bridges forward the frame



b. Graph representation with cost assigned to each arc

15.13