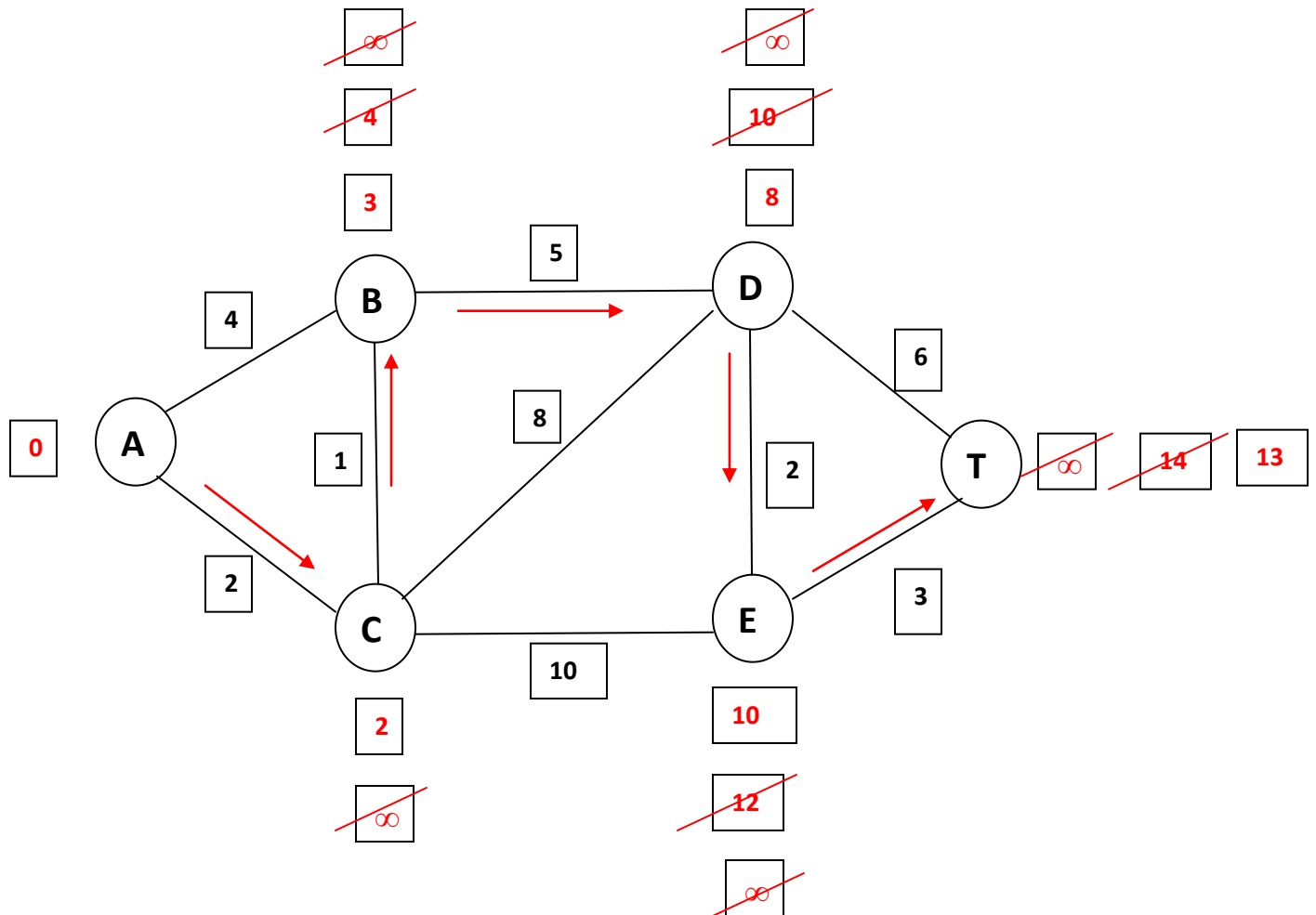


**Introduction to Computer Networks
Answers of Sheet No. 5**

#1

(Dijkstra's Algorithm)



#2

Destination	Next Hop	Cost
B	C	3
C	C	2
D	C	8
E	C	10
T	C	13

#3

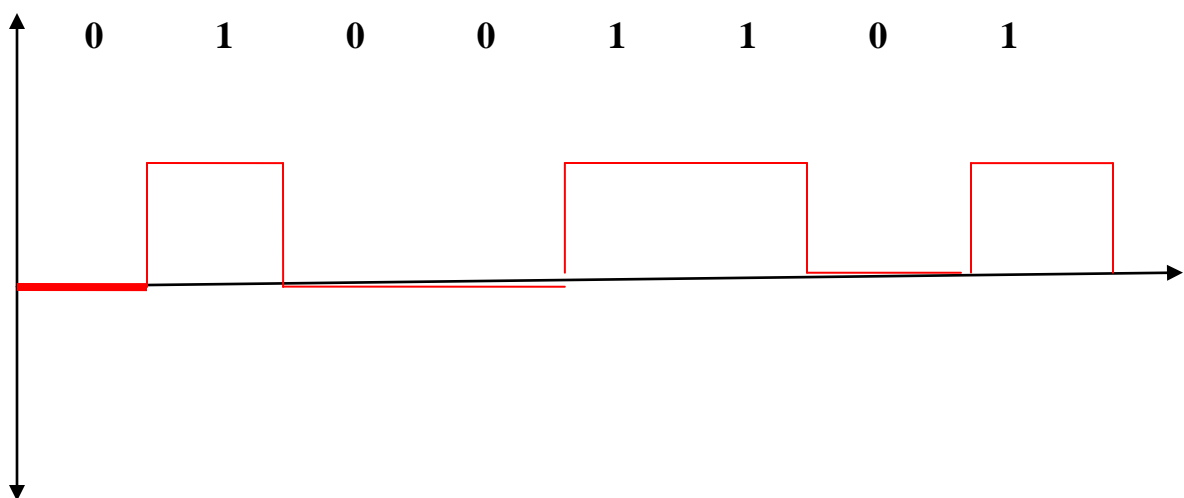
Find the interface each IP address should go through.

IP Address	Link Interface
10.50.20.10	0
10.50.20.16	0
10.0.0.50	3
24.0.0.1	4

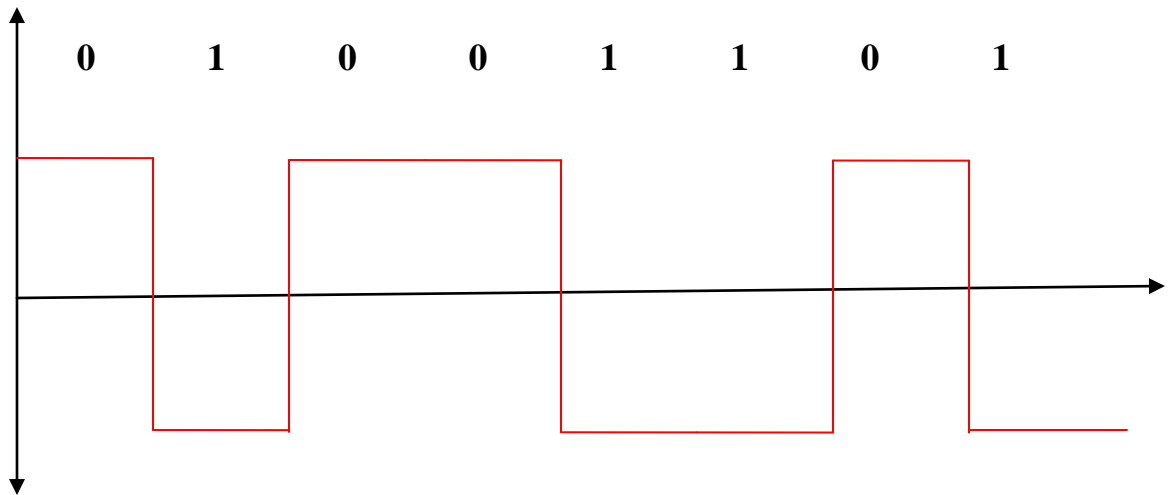
#4

Bits Given: (01001101)

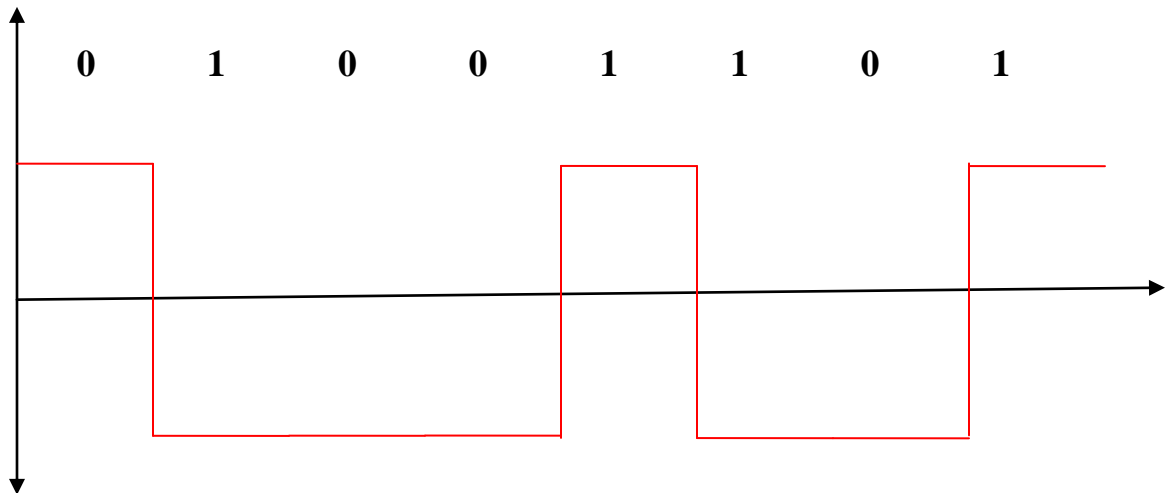
a) UniPolar



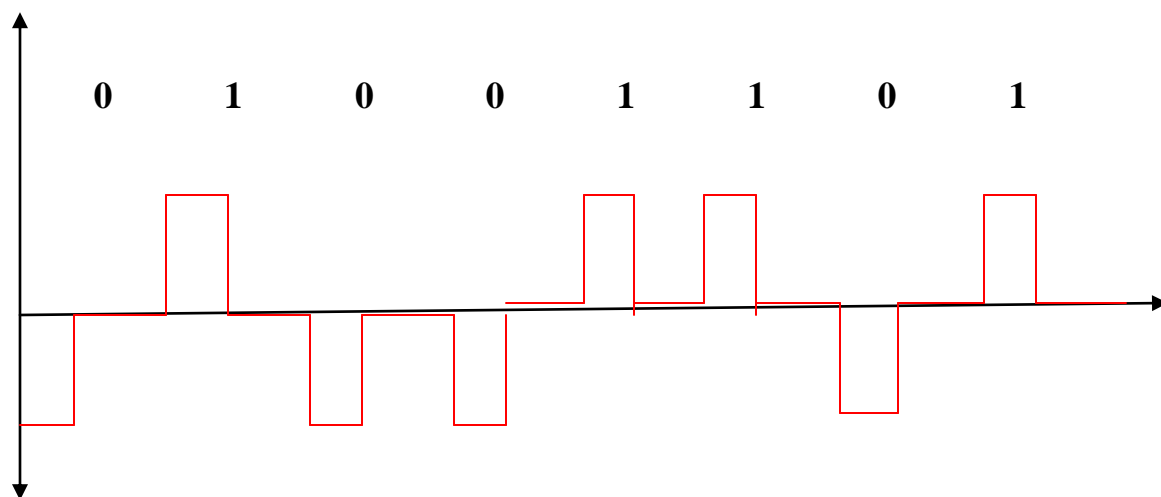
b) Polar (NRZ-L)



Polar (NRZ-I)



Polar (RZ)



c) Bipolar AMI

