P2.

a. No, they can't. It's possible to transmit only one packet at a time over a shared bus.

b. No, they can't. Only one memory (read/write) can be done at a time over a shared system bus.

c. No, they can't. Those 2 packets would have to be sent over the same output bus at the same time this isn't possible.

P5

a.

11100000 00		0
11100000 01 000000		1
1110000		2
11100001 1		3
other		3

b. 5th entry : link interface 3
   3nd entry : link interface 2
   4th entry : link interface 3

P9

Destination Address	Link Interface
202.23.16/21	0
200.23.24/24	1
200.23.24/21	2
other	3

P10

Destination Address	Link Interface

1110000 0	00 (224.0/10)	0
1110 0000	01 000000 (224.64/16)	1
1110000	(224/8)	2
1110 0001	1 (225.128/9)	3
other		3

P16

a. Router interface : 192.168.1.4

Home address : 192.168.1.1 ; 192.168.1.2 ; 192.168.1.3

b.

WAN side	LAN side
24.34.112.235 , 4000	192.188.1.1 , 3345
24.34.112.235 , 4001	192.168.1.1 , 3346
24.34.112.235 , 4002	192.188.1.2 , 3445
24.34.112.235 , 4003	192.168.1.2 , 3446
24.34.112.235 , 4004	192.168.1.3 , 3545
24.34.112.235 , 4005	192.168.1.3 , 3546