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B.C.D.G.H are intercested.

|            | , |   |              |   |            |   |            |
|------------|---|---|--------------|---|------------|---|------------|
|            | 0 | 1 | 2            | 3 | 1          | 5 |            |
| B (101110) | 1 | 0 | 1            | 1 | 1          | 0 |            |
| C (101010) |   | 0 | 1,           |   | × 1        | × |            |
| D (100010) | 1 | 0 | <b>O</b> ( ) | × | ×          | × |            |
| G (10110g) | 1 | 0 | 1            | 1 | 0          | × |            |
| H(011011)  | O | × | ×            | × | <b>×</b>   | × | Ž.         |
| or,        | 1 | 0 | 1            | 1 | ) <b>1</b> | 0 | <b>→</b> B |
|            | j |   | ,            |   |            |   |            |

so, the winner will be "B"

forc A:

-> 0×512 bit time = 0 bit waiting time

-> 1 × 512 bit time = 512 bit waiting time

-> 2 × 512 bit time = 1024 bit waiting time

-> 3 × 512 bit time = 1536 bit waiting time

Herre, B is similar as A.

and, c = {0,1,2,3,4,5,6}

first 3 bit is similar, but for 1,5,6

we will get 2048, 2560, 30 × 2 bit

waiting time.

e) pao e sis cos sur :

If we compare between A and c, if we choose any rrandom number from A and C they will waif before fransmitting,
Herce,

{0,1,2,3} is common to all set (A,B,C). so, they will wait 102<br/>bit time to transmit and they will occur a collision for same time.

c can't communicat with other nodes because if A tries to communicate with e fore picked numbers it with e fore picked numbers it can occur collision in sending.

Same goes fore b and e.

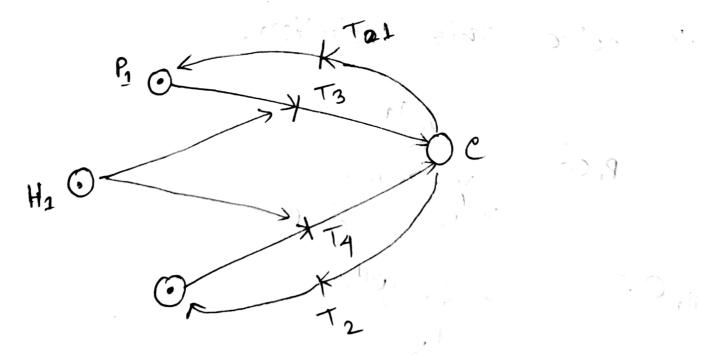
#### Ans: to the qui NO: 5

There is a problem of restarring the token and mutual exclusion.

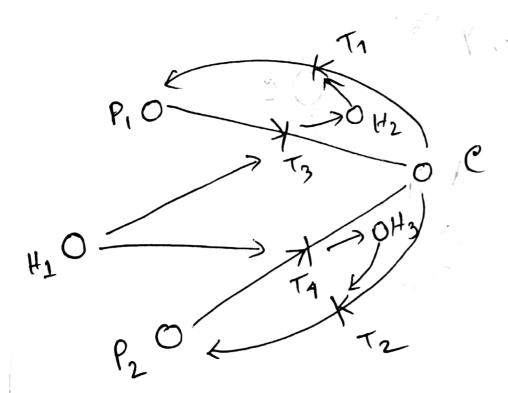
Herre, P1 and H1 sends token to P1

but it can't complete process for because

of return function.



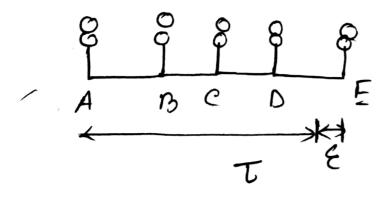
# In the diagream if P, and Hy send two token it will go to the to c through to and while refurening, it will refuren token to P1 which is irrelevent. and same for P2, so we should use two more (h2, h3) to solve this solution.



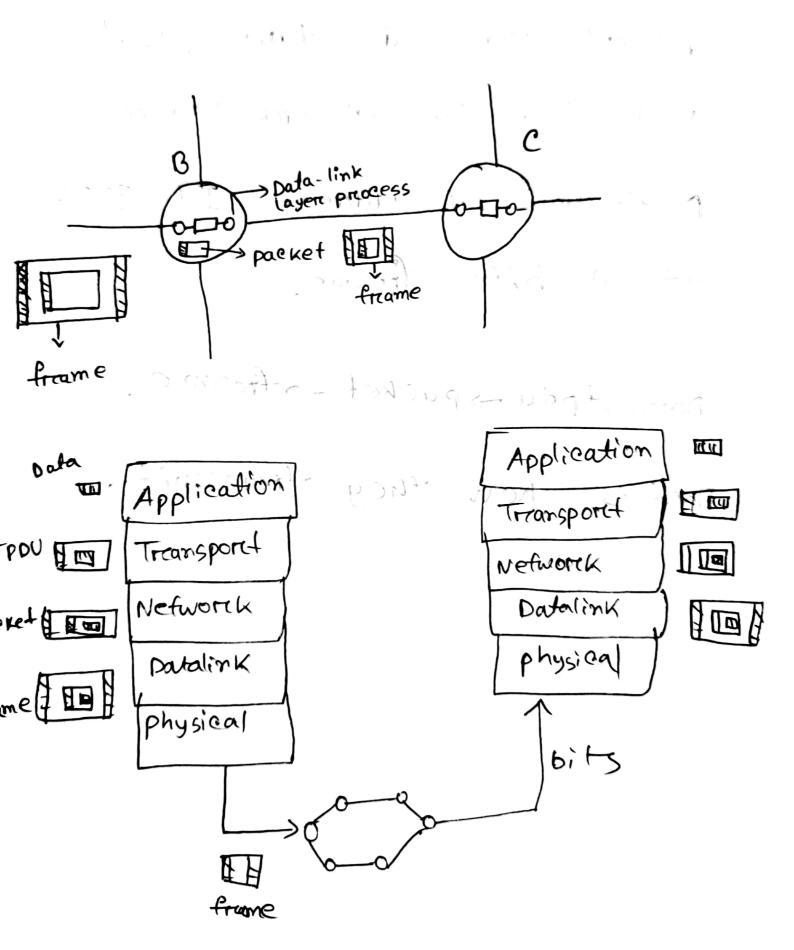
esmaled is inherently half duplex because it cannot send and recieve data at the same time. It can send when if is not receiving and it will wait to treats mit.

If may ocean collision if they do send and receive at a same time.

contention period always counted between the two farthest node. Here, we can see the farthest node is E. So, even C is destination, it will propagate to the E.



: contention period = 2t



Here, is the encapsulation. Here parket holds id address, that's parket holds id address, that's why it is in network layer.

Destination Id address It goes as a bifs irrame.

Data-stpdu-spacket -strame.

That is how they transmit.

Scanned with CamScanner

1/2/2/2017