A)-(R1)-(R2)-TCP hdr = 20 Data = 920 IP payload = 940 TPhdr=20 A-RI->MTU=1029 (data) (frame

1010>960-)No frogmentation

P1-R2-)MTU=512 8 504 So, the packet size con be maximum 504 bytes. That means, maximum 489 bytes of IP paylund can be accompated considering 20 bytes of aphot a moultiple of 8. so, we can send maximum 480 bytes of data.

So, our data will be frogmented in this linu to two fragments. one will contain 480 bytes of data, another Wil contain (940-480)=460 bytes. So the values are: 70tal size = 500 Wf=1 offset=0

Total Size = 480MF = 0offset = 60

R2-B: MTU =5/2 Total Size (f1) < 500 Total Size (F2) < 500 So, no fragmentation in this linu. fland f2 will

transmitted as they are without any fuerther fragmentation.

2. IP=172'16'15'2 S.M. = 255.255.240.0 a) P.M. = /20 b) N.A. = 172.16.0.0 (1) 1st moble ip = 172'16.0.1

1)B.A.= 172.16.15.255 e) HPC = 4094