100 abps 114 m Cable 200,000 Km/ Sel

a) worst case collision is 2+ prop delay any conference Stots before Successful transmission is 4 efficiency of Soil prop delay = 1km = 1 km = ,000006 See 200,000 Kingsec = 5 micro Secondo 5 Mg transmission fine = Len. burlende 100 m8P3 = 108 bps .50 = Toomboss Smg = 5x 10-6 4 \* 2 \* Sus + 4 ms Ps + Sers 05 - 3 (SXID4) + 108 + 5XIDE L=4,500 5,+5

Undruces for gr

3 & Fixed Prob P Find expected delay T

T= T3+(1-P)+ Ta/P.

C) A Sends datagram to B addressed MAC to B WILL C Process frames C will process the fames but will not pass the IP dutagrams because the MAC IS addressed to B. if A Sends W/ MAC broadcast it will pass the iP data grain as well because it Sends all Francisa

A 28-1 = 31

2' 2' 2" 23 2" = 31

[0,1,2,00,31]

bit = 1/10mbps = . I me

Py = /32

delay = 14 x 512 . lus = 2048 us 4 x S12x-1

204.8 Wicro Secondo