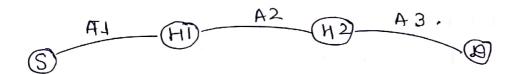
gue 1 3) Ansip.



Bandwith of each wink = 1 mbps, = 10 10 bpx signal travelling speed = 10 s

Propagation time = <u>length</u> speed obrignar.

for leach link,

Propagatione time =
$$\frac{100 \text{ km}}{100 \text{ m/sec}} = \frac{100 \times 10^3}{100 \text{ m/sec}}$$

= $\frac{10^5}{100}$ fec = $\frac{1}{100}$ sec = . Lms.

Transmission Time =

$$=\frac{1000}{10^6}=\frac{1}{103}=Lms$$
.

Teo

Now total time taken to reall destination =.

(Transmission time obsender + Propagation Time of render to HI) + fransmission Time of HI+ Propagation Time of from HI+OH2) + (Transmission time obH2) +
Propagation Time from P12 to destination)

= 1 ms + 1 ms + 1 ms + 1 ms + 1 ms= 6 ms.

> % total Kme for 1000 parkets = 6ms + 999ms = 1005ms.

And I Total time taken for file to send from s to B is 1005 ms.

The state of the s

Branch I and