

TDM

File size of 640,000 bits. All the links use TDM with 24 slots, has a lift-rate of 1.536 Mbps. How much time does it take to transmit the file? Delay =  $\frac{L}{R}$   $\frac{Size}{Rote}$ Such circuit will have a transmission rate = 1.536 Hbbs = 64 Kbbs. Time or Delay = 640,000 = 10 Sec.

## Delay in Packet Suitched Nedworks

## Caravan analogy



- i) Con accolorate at a speed of lookenfar.
- are Serviced at 12 Sec per Gr

Transmission Delay 
$$d_{tran} = \frac{L}{R} = \frac{10 \text{ Gyrs}}{5 \text{ Gyrs/minute}} = 2 \frac{10 \text{ minutes}}{120 \text{ Sec}}$$

A they Scenario

dundal = 16 minter