Internals -03

Dc(180846)

Statul Hermad. S 1KN18CS097

> CSE'A'Su 4th sam.

En channelingation is a multiple -access method. This revalable , mit is neveryito resulted besons is said to for orthings soconary, or thousand corporer

CDMAC who divisor multiple access)

Hedma deffers from FDMA because only on chartel occupies the Entire bardwidth of the line.

* COMA differs prion PDMA retaine all stations can Send date Simulatoroughy, treve ig no time shasing.

A OMA wingly means communication with different codes.

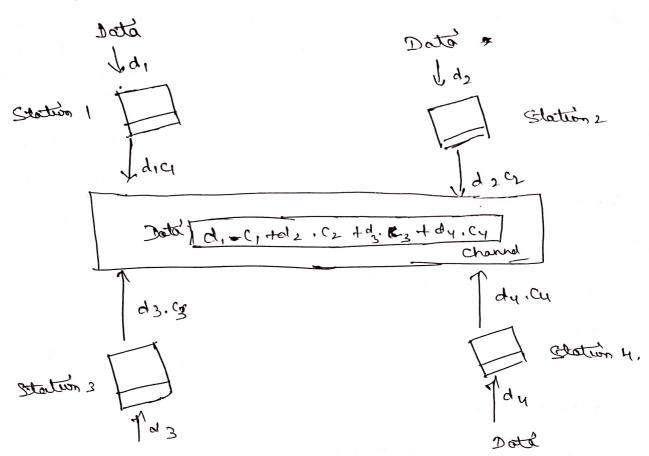
Egy & It is based on a asling through.

* such station is osigned a code, which is a requience

of numbers called chips.

* These Sequerer were carefully selected and one called Athogonal sequences.





Suppore station I and a are tousting to sach other creation I is sourced.

Station 2 multiplies the data on the channel by Cithe and Code Charles.

(C1,C1)=4, (C2,C1)=0 (C3,C1)=0 and (G4,G)=0

Thoughte station-2 divides the sustery 4 to got the duto

from Station-1

Data = (d1,C1)+d2,C2,C1+d3,C3,C1+d4,C4),C1

= d1,G,C1+d2,C2,C1+d3,C3,C1+d4,C4,C1

=40//.

(3G)

The peams transmission time is 300/200 kbps of Ims.

If the system created 1000 peams per second, this is,

frame per millisecond. The load is 1. in this case 5= byxeter.

OT S: 0.135 (13.5 person).

This means that tholoughet is 1000 X 0.135 = 135 frames only 135 Plannes out of 1000 will probably be survive.

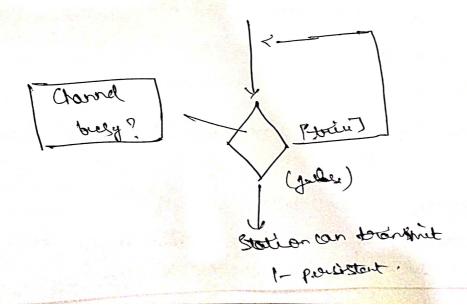
Pellsitterce methody

1- persistent

Before Serding a florre, a statetion senses me line.

- If the line is later the station hards immediately.
- The live is buty, the Station continues berding theline.
 Their netwood has the highest charact of coelision because of more stations of may gird the live idle and good the grames

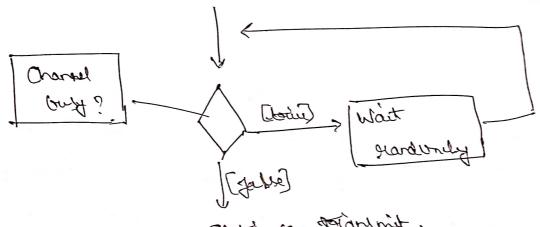
immediately.



the Byode bending the Juane, the Estation Serses the line. -> y the line is idle, the station Sends immediately. -> if the live is buyy, the station wait's a lardom answer of time and Senses the line again.

of this netherd fedures the chances of colination blueds nou Station.

which will not wait for the same amount of this and will not retry to rend simultanously.



Station can stanfait.

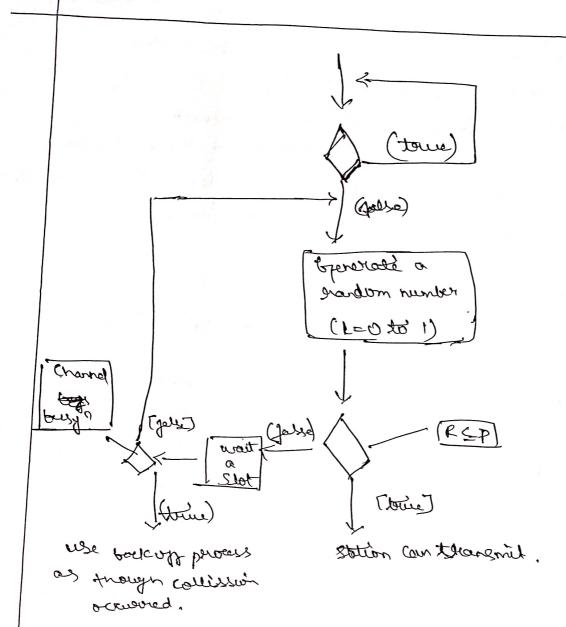
(3) P- Perlistent!

This neatherd is used of the channel has time - shall with a Slot discours Equal to or greater man the mainiment Orapogention time

After the statum first the line idle, it pollows these following Steps:

is with pseabobility P, the Station Sends plane,

- Tower partability of sI-P, the station wants for the beginning of most time - slot and sheeks truline again.



Celutar telephony:

It is the designed to provide communication by without moving until Called mobile Elations, on by one visabile.

Station and one stationary unit Called a land unit.

A service provided is responsible for locating and tracking a caller assigning a channel to the Call and transporting the channel from buse station to the Call and transporting the out -of-longe.

Even cellulur sourier area is divided into smaller origions alled by balls. Even cell wintering antinna, tach cell is controlled by

(Ta).

Ac powered returned. Station called the base station. Forch base station is Rentrialed by Switching office Called a enable - Switching - center , MSC wordinates communication bow all the bose station and the telephone Certified office. Meeting a computationized center that is suggested Jos connecting (all newsding (all injohnstier and billing.

Third eperation (307)

3eg calular telephony project both digital rand voice communication. Egt. Smartphren.

brond in. blow in his sels enound the state in moved of Phone is always connected; we do not reed to dial a number . Penieski ort out several oft