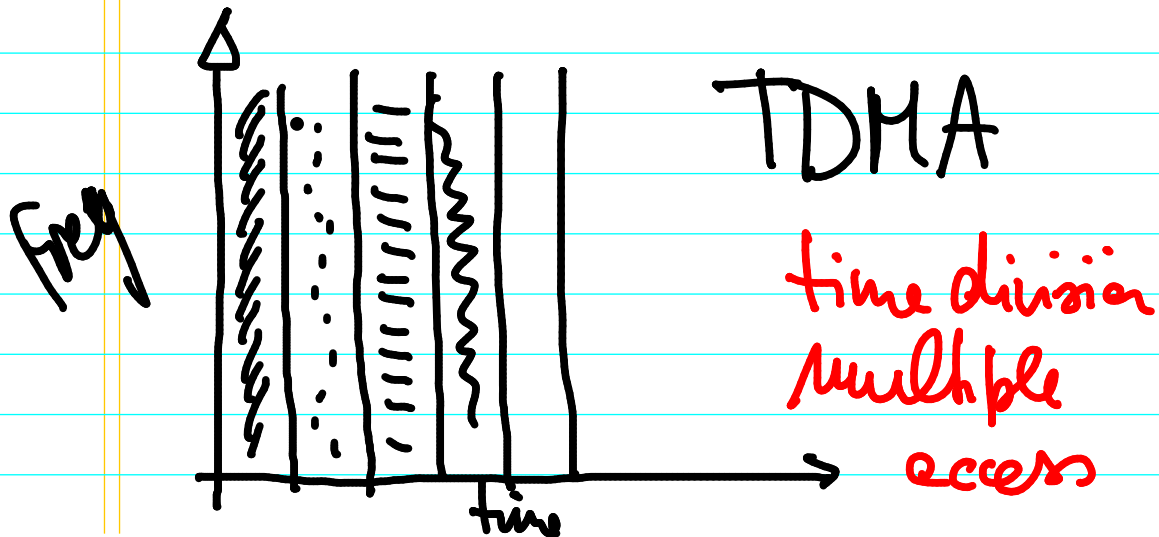
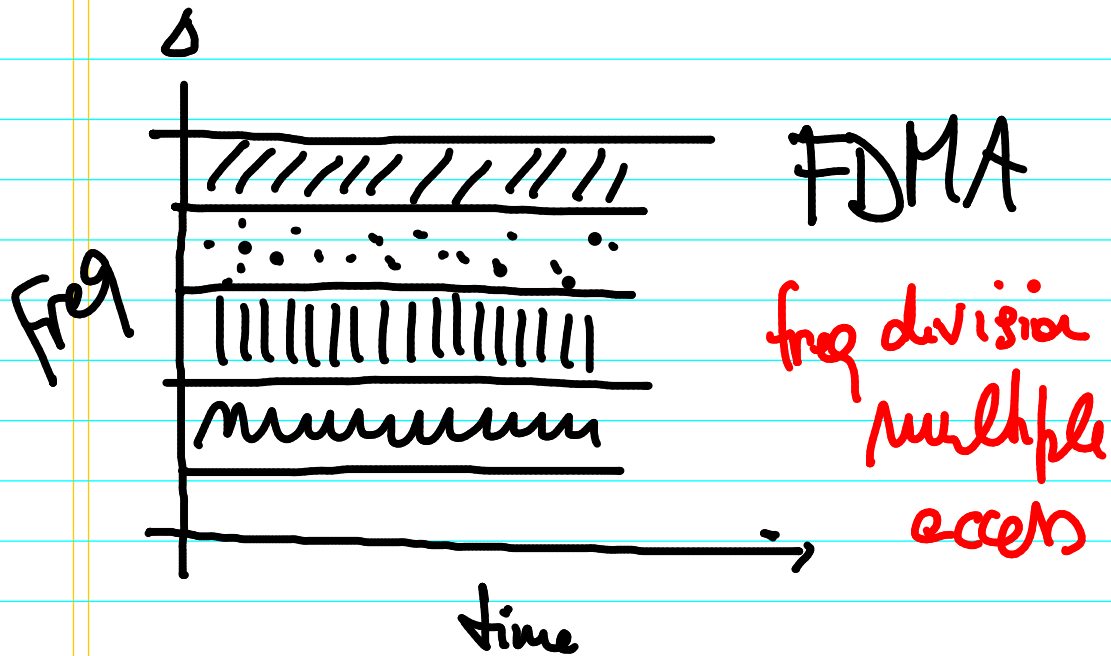
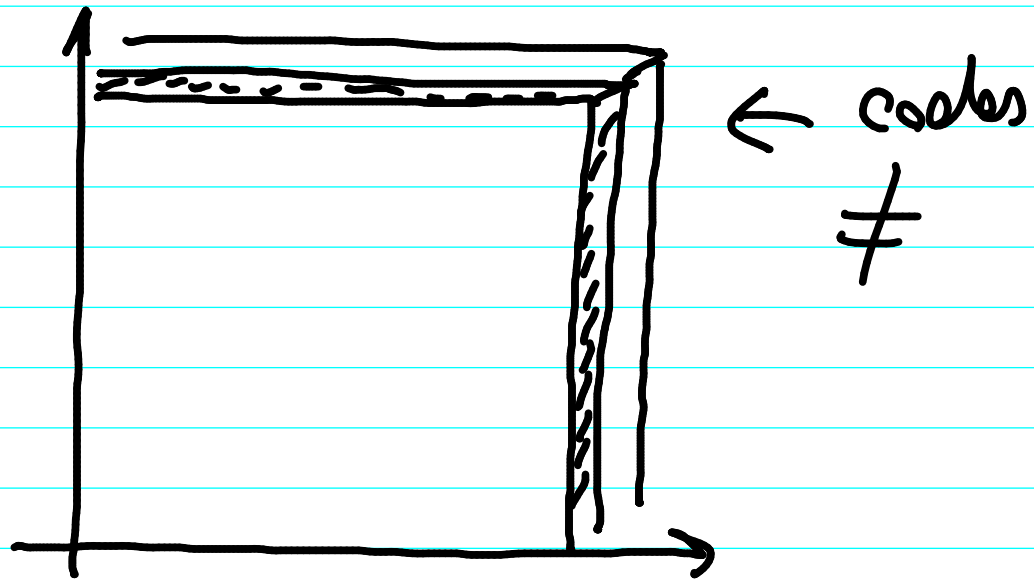


CHANNEL ACCESS PROTOCOL



CDMA code division
multiple access



each source has a code

$$\text{Code} = C_1 C_2 \dots C_n$$

$$C_i \in [1, -1]$$

$$\text{Code} = -1, 1, 1, 1 \setminus$$

transmit bit b_i

$b_i \times \text{code}$

bits 101

1-11

Coding

-1111

1-1-1-1

-1111

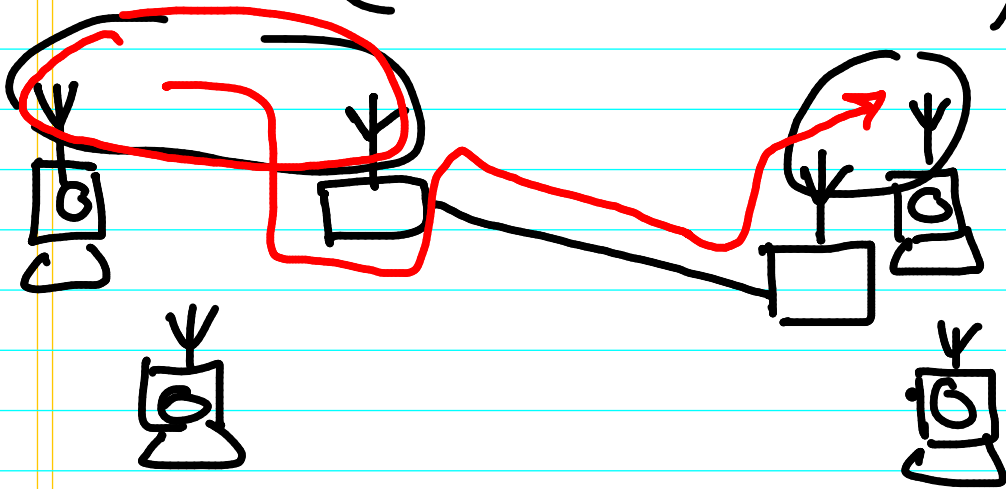
11-1-1

0200

802.11

b	11 Mbps	} 2.4 ÷ 2.485 GHz
a	54 "	
g	54 "	
n	200 Mbps	} 5.1 ÷ 5.8 GHz

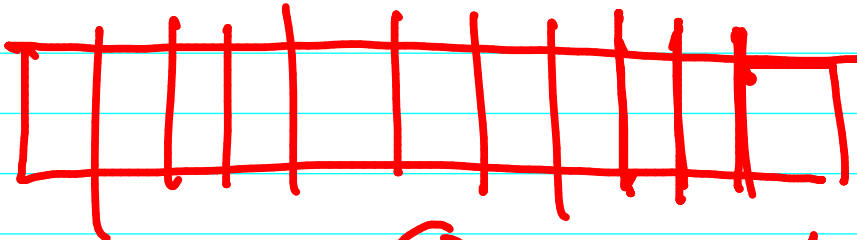
BSS (Base Station Set)



GHz

2.4

2.485



1

5

11

net₁

net₂

1, 6, 11

completely
diff freq

Protocol for Accessing

Craximerdax

Wifi

< host, ap > ASSOCIATION

↓ access point

AP periodically → BEACON
(SSID)

"free" networks

WEP

WPA

WPA2

} keys

CSMA / CA

Carrier Sense

Multiple Access

Collision Avoidance

} A
L
G