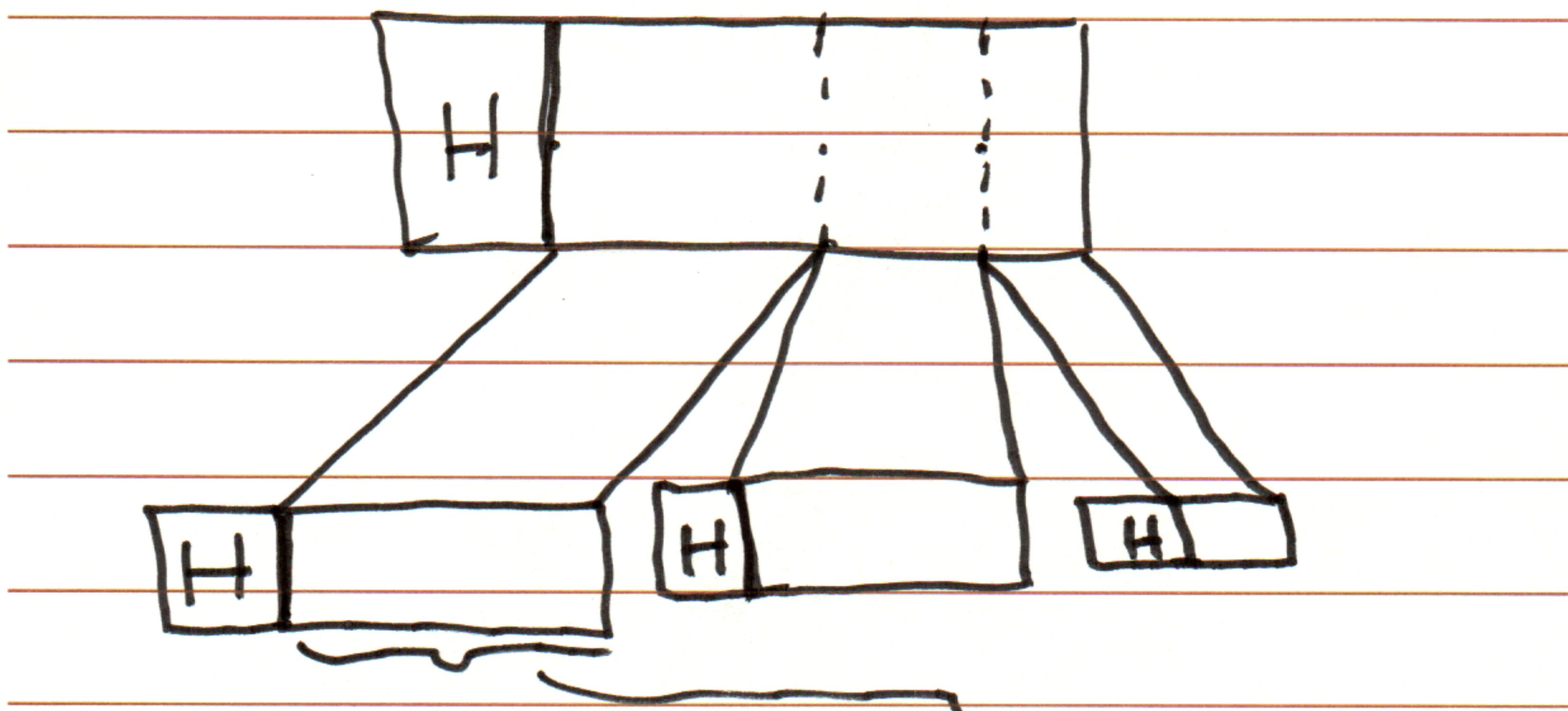
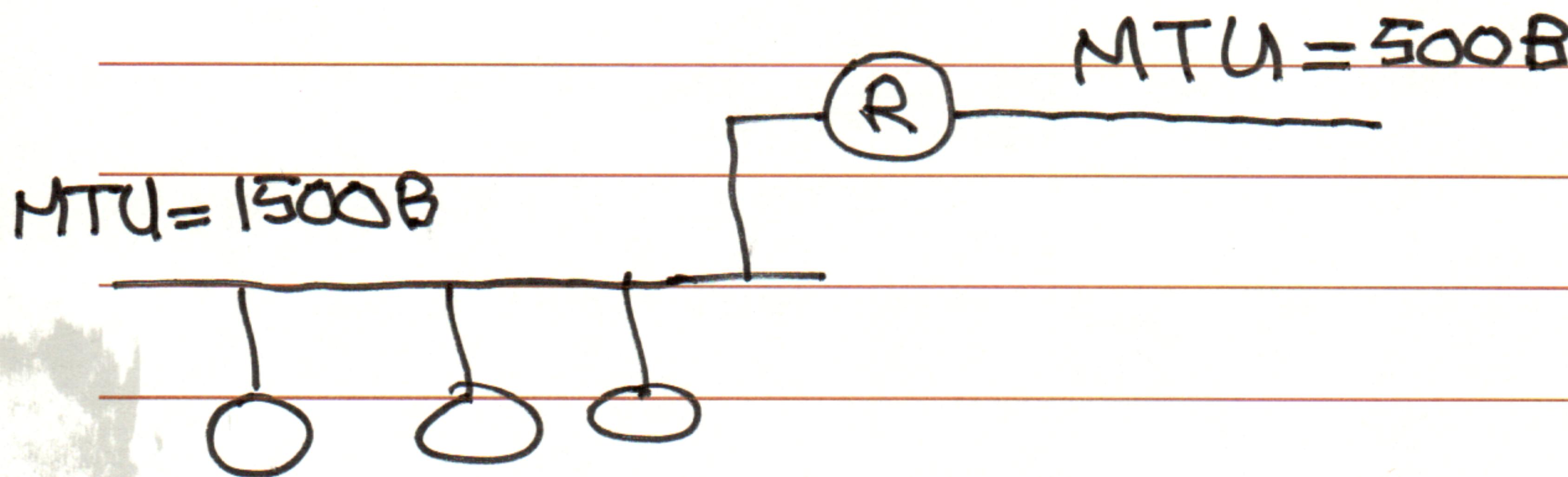


# Fragmentation

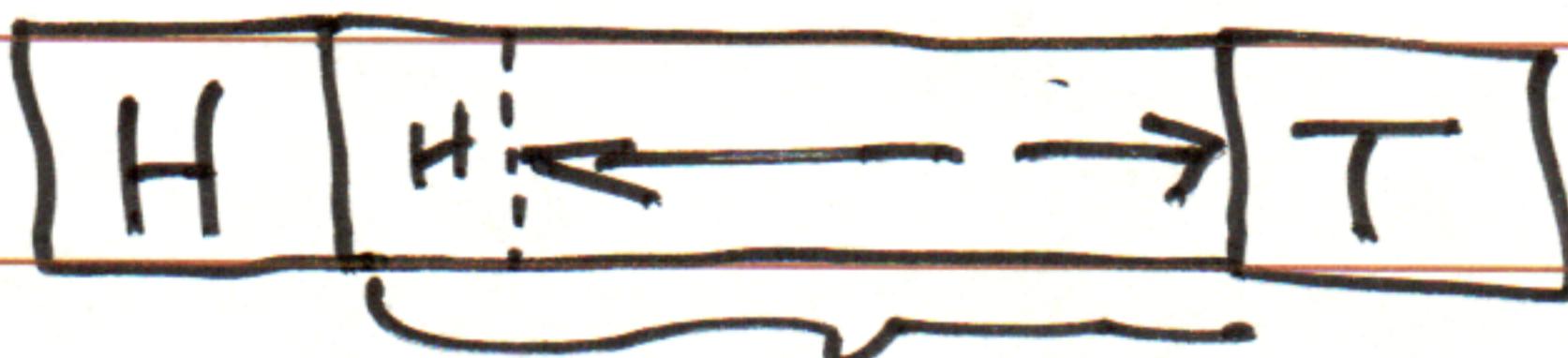
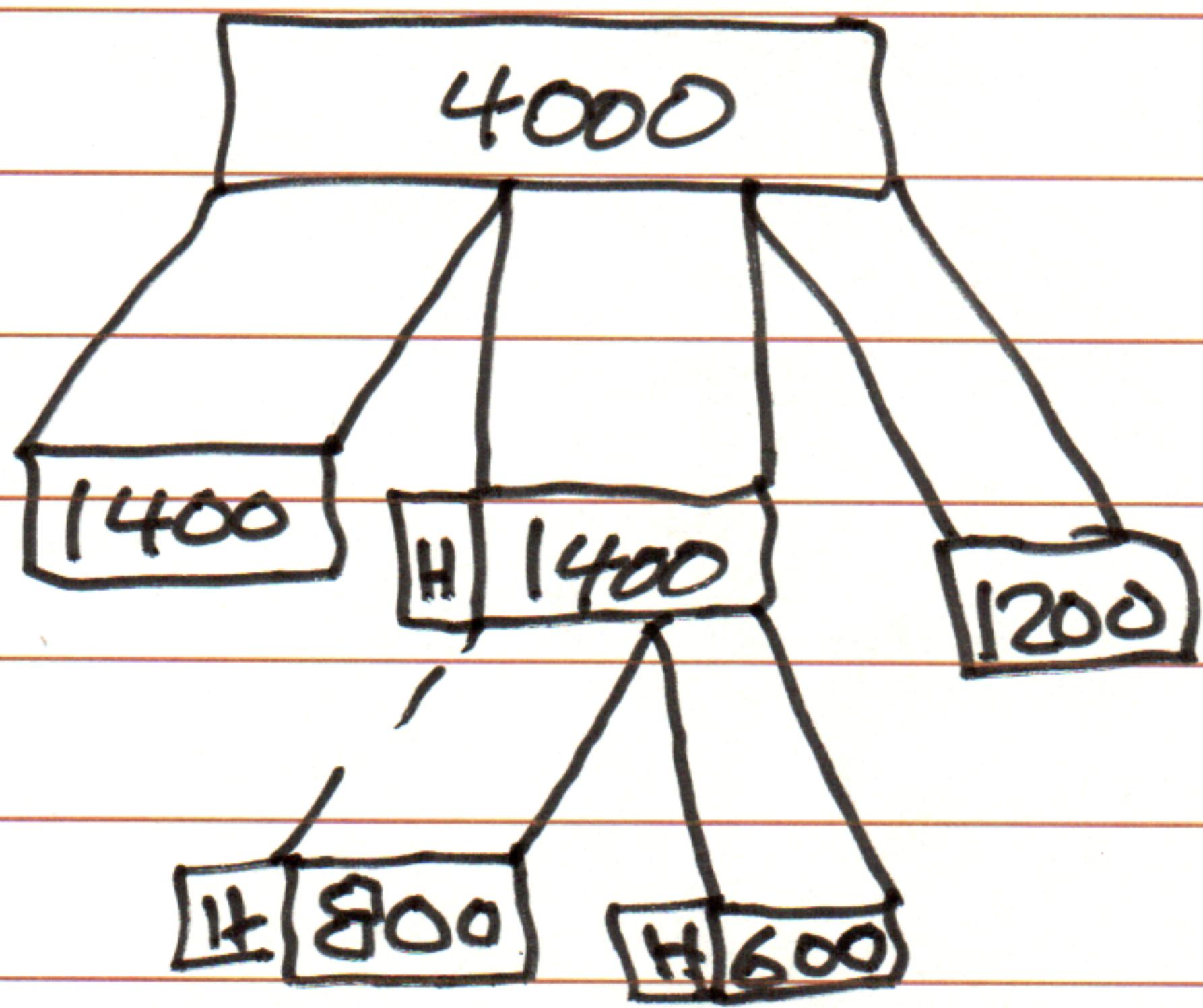


Each Fragment payload (except possibly the last one) must be a multiple of 8.



Hosts and/or routers can fragment but only end host can reassemble.

Frag offset is reported in units of 8.



$$MTU = \boxed{1450}$$

$$1450 - 20 = 1430$$

Fragment 1424

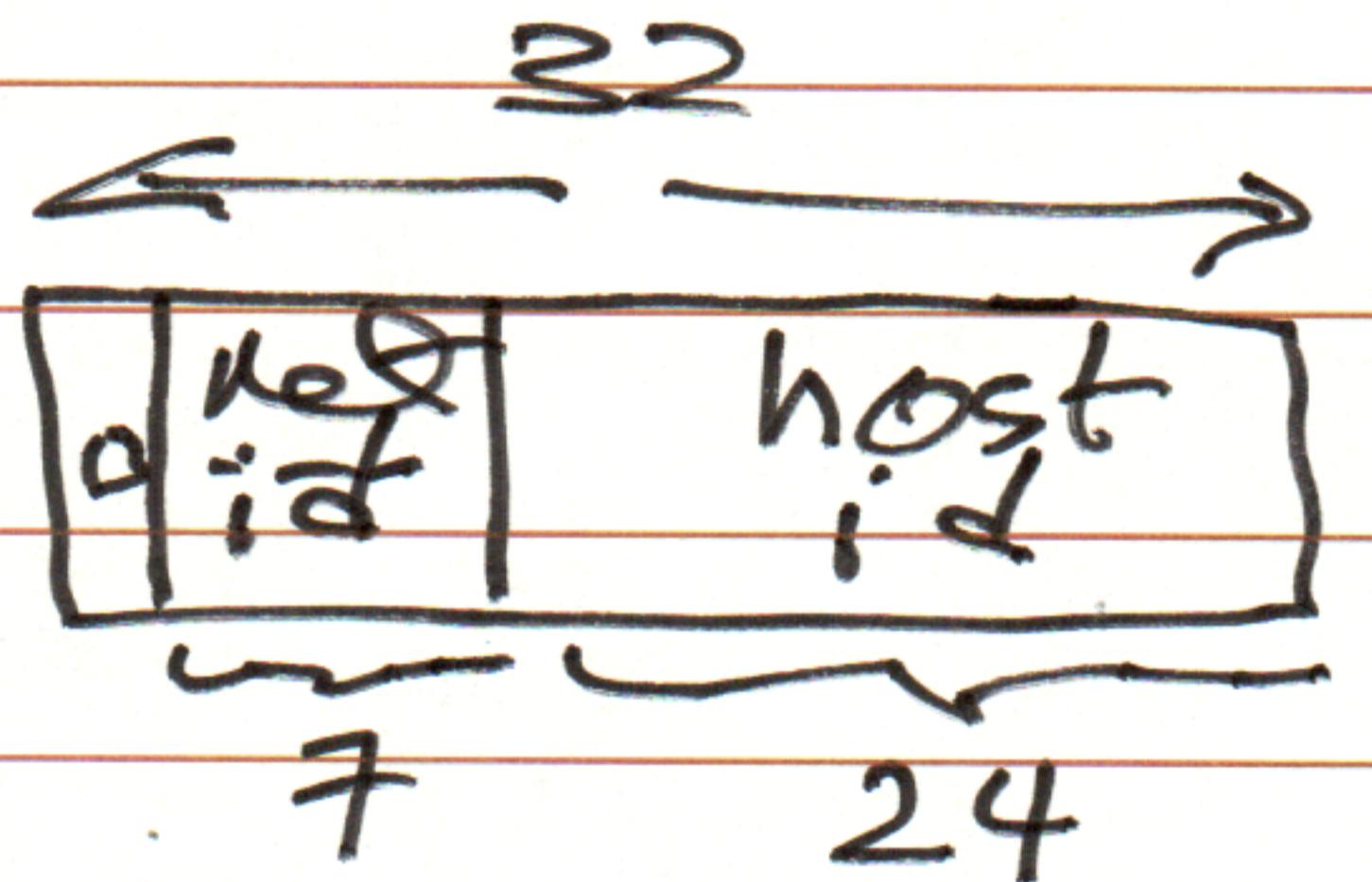
# IP addressing

Classful  
IP add.

classless  
IP  
addressing

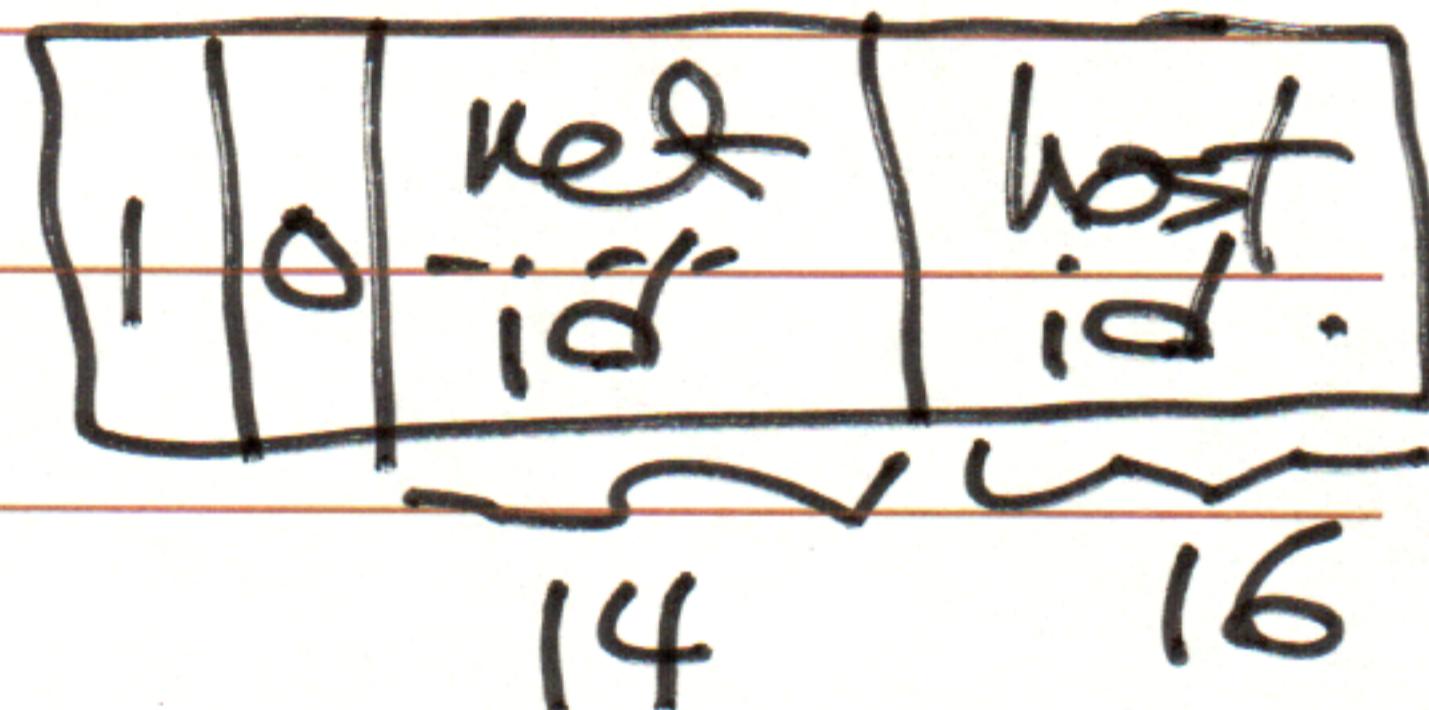
class A

0 ← 00...0



127 ← 0111..1

first digit



class B

10 0000000 ⇒ 128

10111111 ⇒ 191

first digit

U5C

128.125.x.x

class C

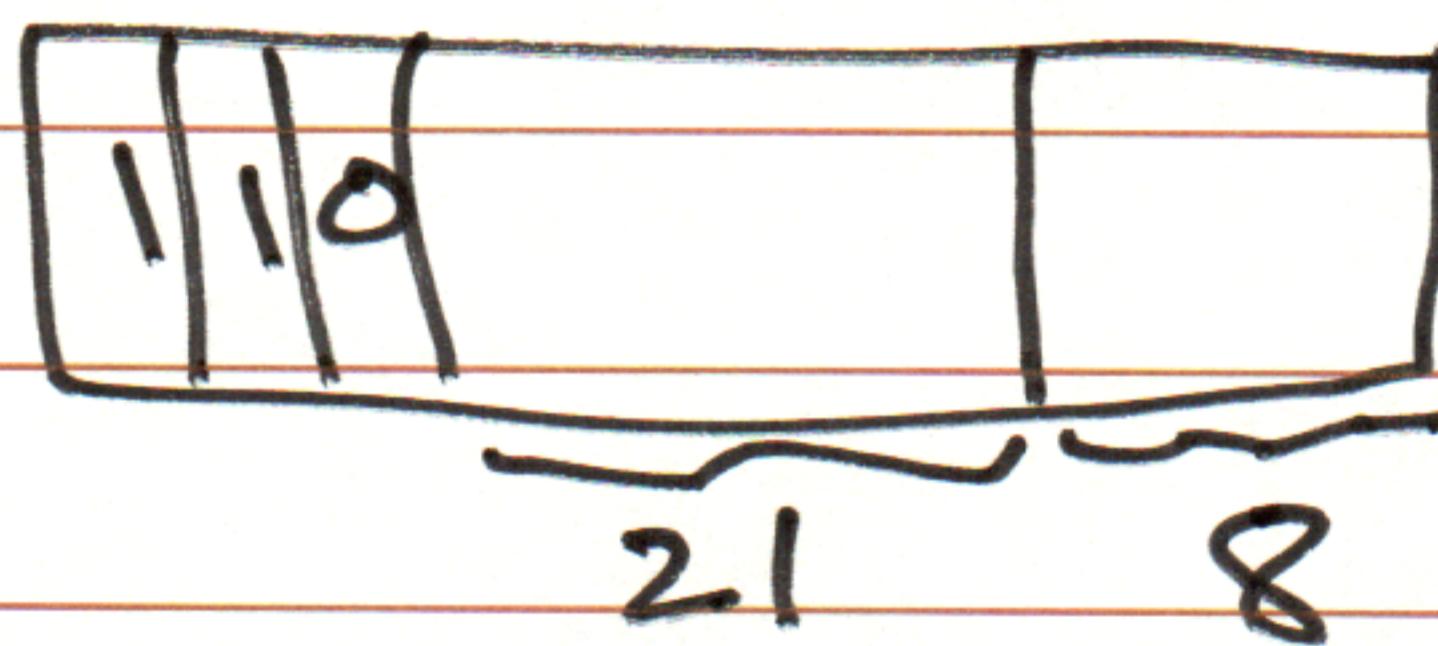
110 000000  $\Rightarrow$  192

:

11011111  $\Rightarrow$  223



first digit



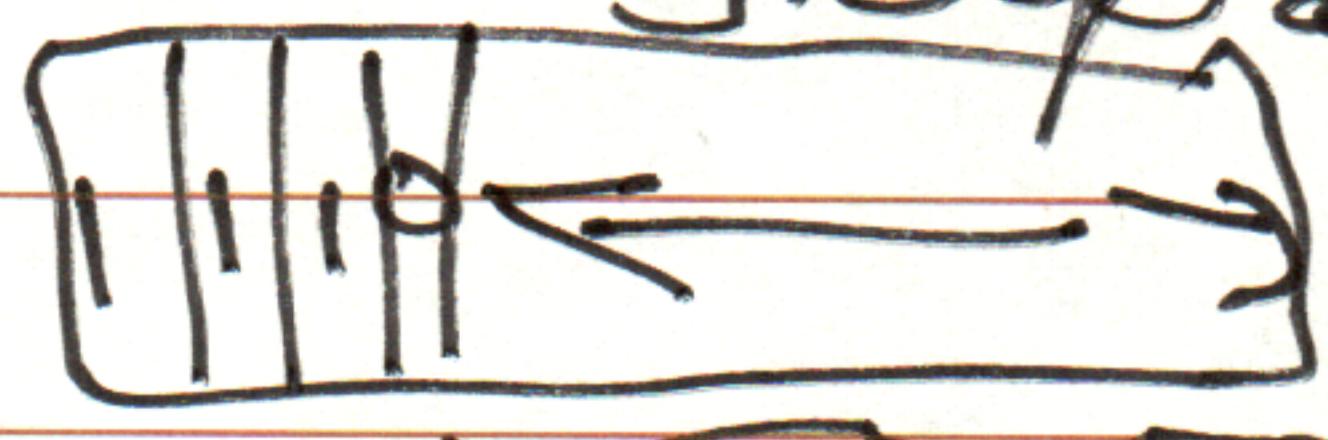
class D

224  $\Leftarrow$  1110 0000

:  
:

239  $\Leftarrow$  1110 1111

meicast  
group add



$2^{28}$

## Quickies

75.3.7.11 A  
N      host.

150.3.265.8

150.2.15.128 B  
net      host.

200.200.200.200 C  
net      host.