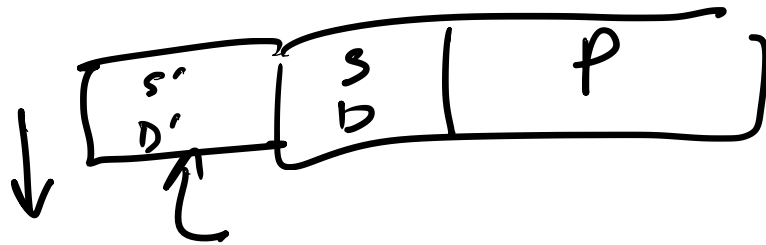


417

- Mobile  
IP

# Tunneling

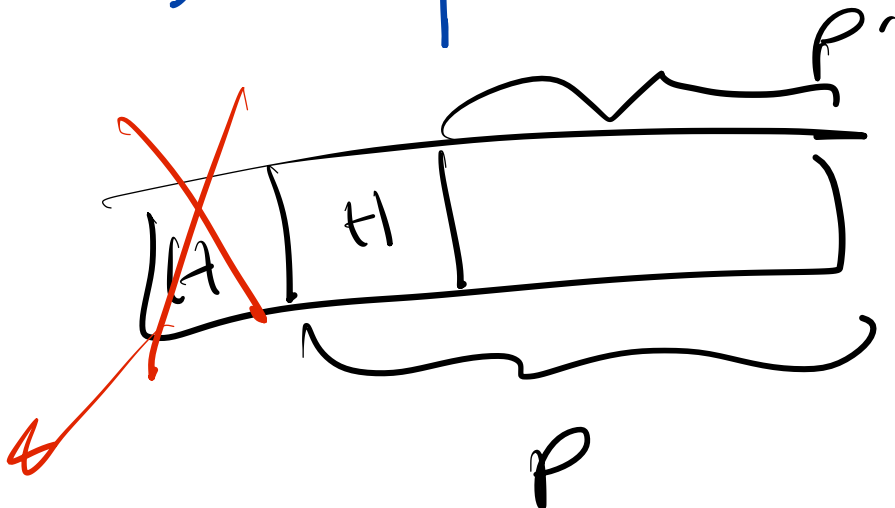
- Encapsulation



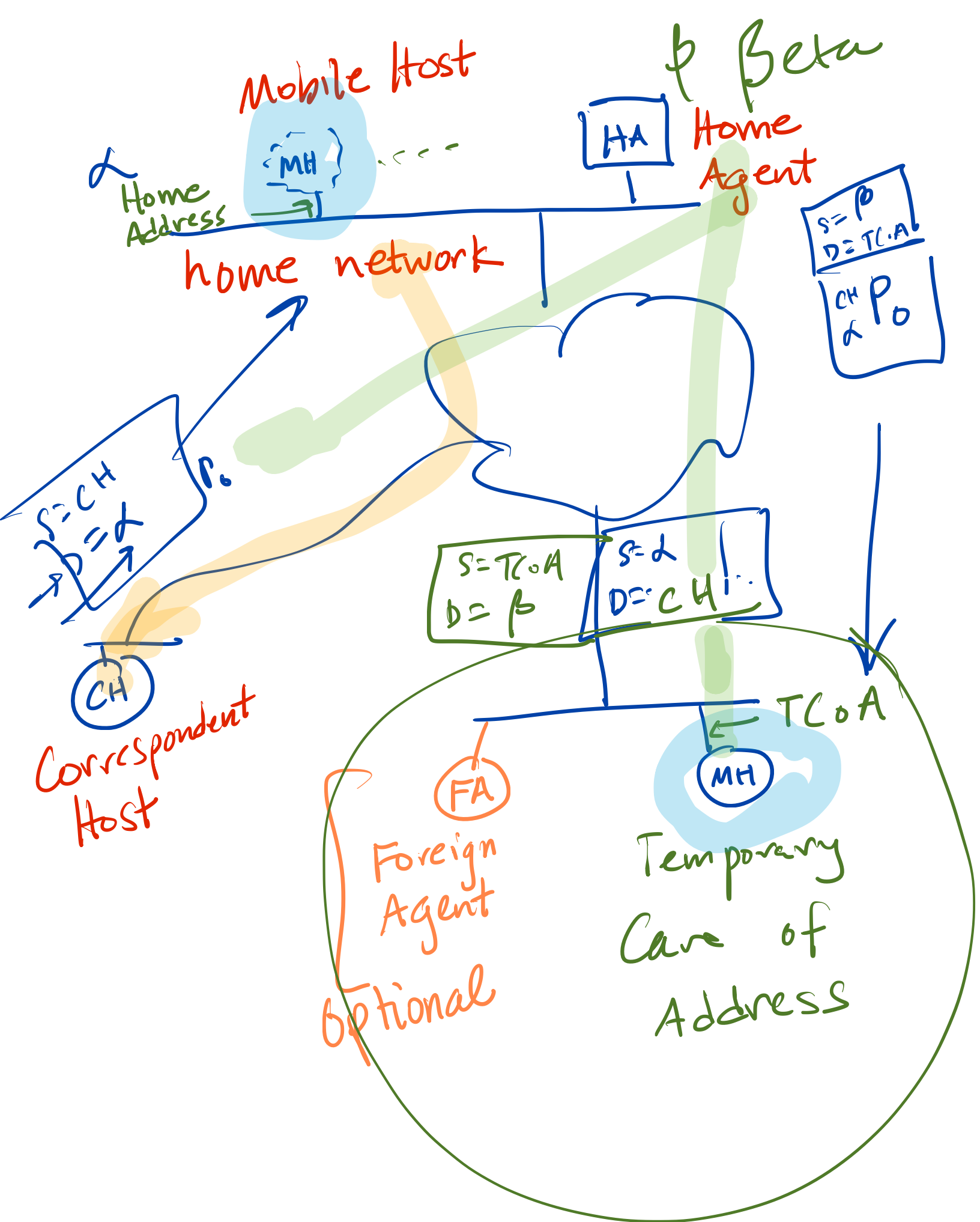
D' proto = 3

IP-in-IP

- Decapsulation



D



# Mechanisms

- Proxy Arp

- Tunneling

```
typedef struct x {
```

```
    int x;    uint16_t
```

```
    float y;    len;
```

```
    void * data
```

```
} data_t;
```

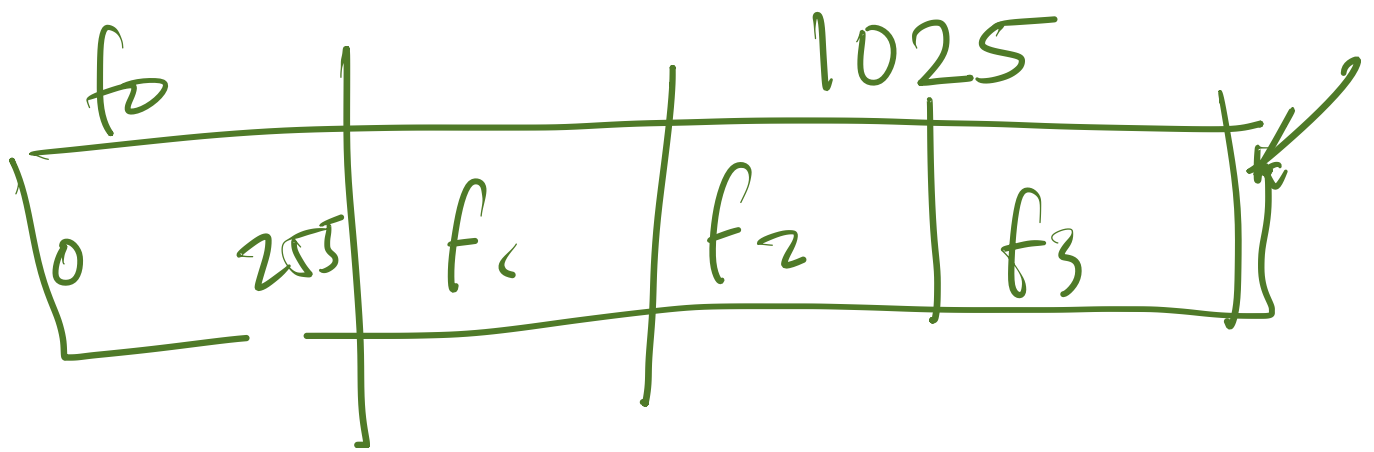
```
data_t foo { }
```

```
foo.x = 417;
```

```
foo.y = 417.0;
```

```
foo.len = 417;
```

```
foo.data = malloc(417);
```



MTU = 276 ~ 256 bytes of data

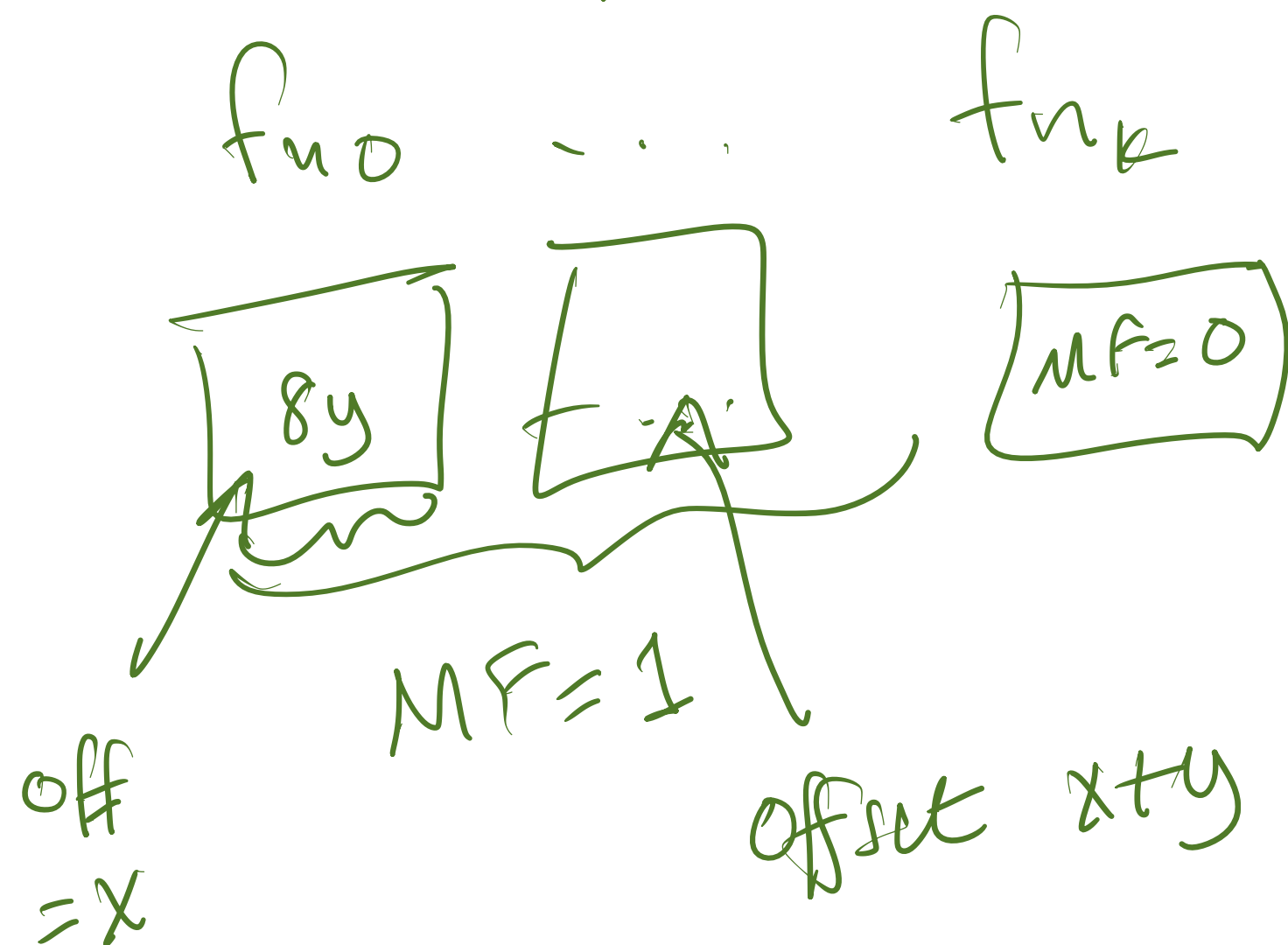
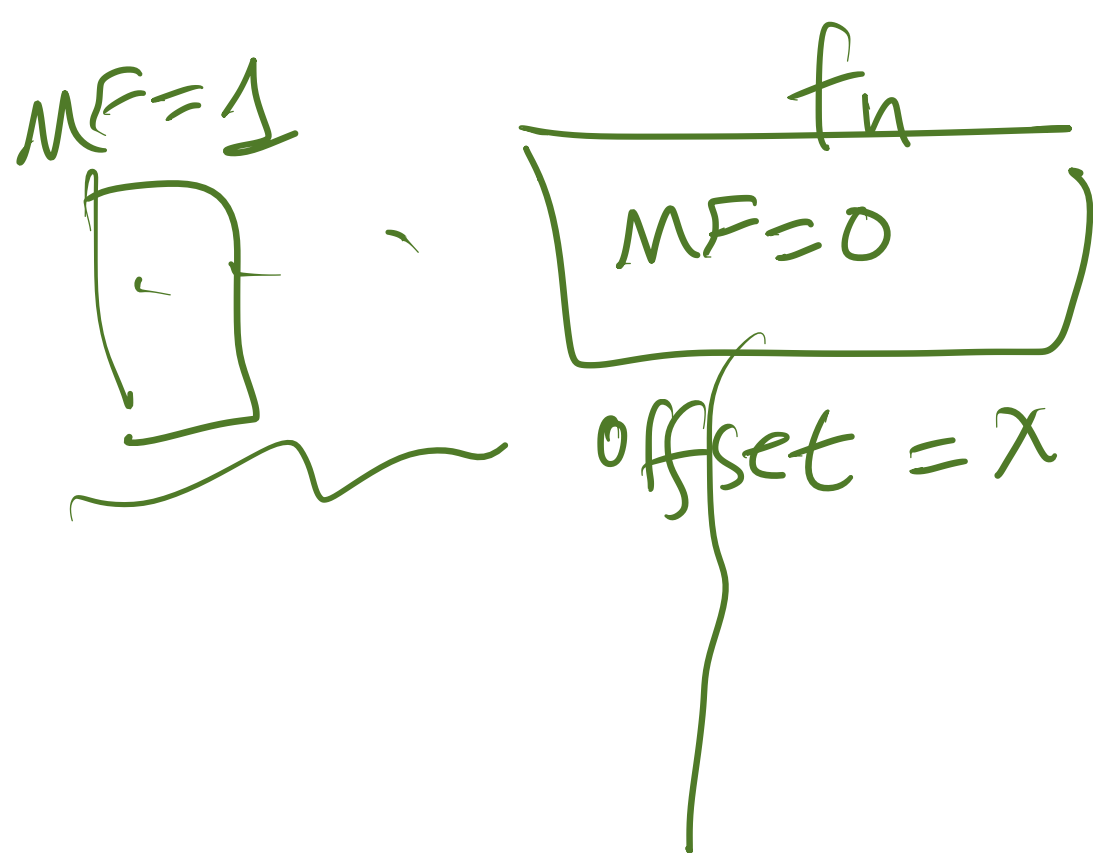
$f_0$ : offset = 0, len = 276  
MF = 1

$f_1$ : offset = 32, len = 276  
MF = 1

$f_2$ : 64, 276  
MF = 1

$f_3$ : 96, 276  
MF = 1

$f_4$ : offset = 128  
len = 21



ident =                       
16 bits

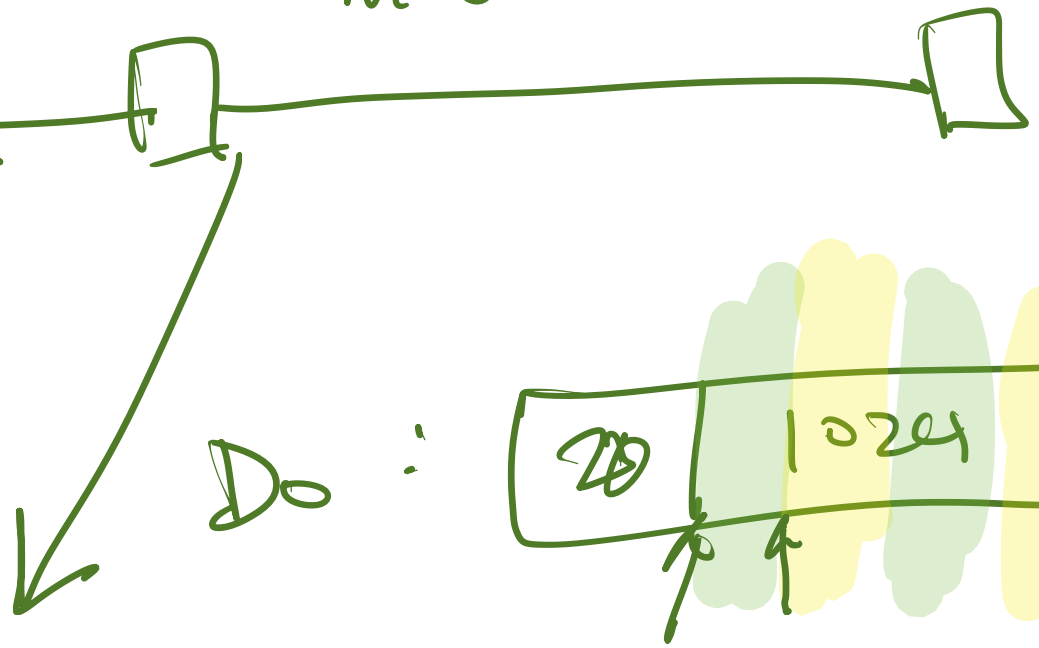
flags: MF (DF)

Offset :                       
13 bits

MTU : Max  
Transmission  
Unit

MTU = 276

20 1024  
1044  
ident = 417



|                | ident | MF | offset       | LEN |
|----------------|-------|----|--------------|-----|
| f <sub>0</sub> | 417   | 1  | 0            | 276 |
| f <sub>1</sub> | 417   | 1  | $256/8 = 32$ |     |
| f <sub>2</sub> | 417   | 1  | $512/8 = 64$ |     |
| f <sub>3</sub> | 417   | 0  | 96           |     |