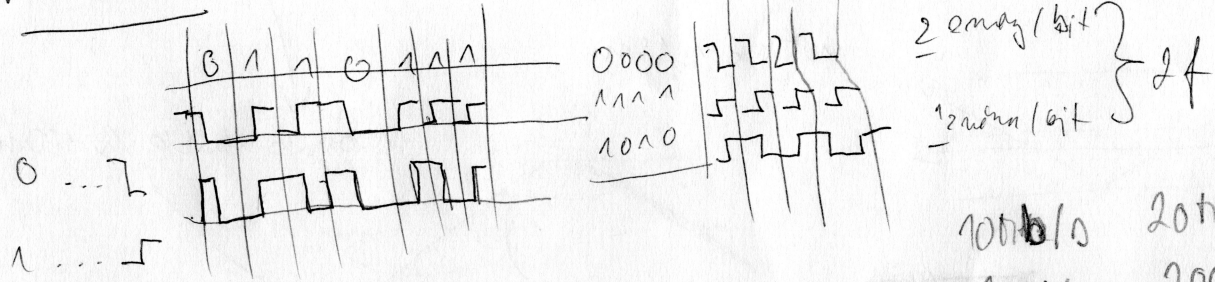


Kodamine' dajji fidi

- 0a mozgudumirae - v'borma'
- 00 11 00 - neri' (otguzunduzi)
- pulvoni' pabur - dirole'

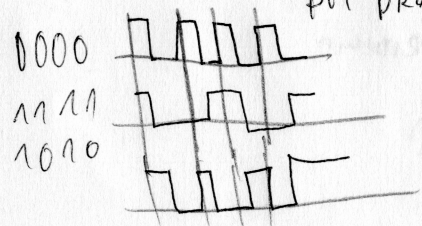
Manchester



1000 b/s	20 MHz
10000 b/s	200 MHz
1 Gb/s	2 GHz

Diferentsialni

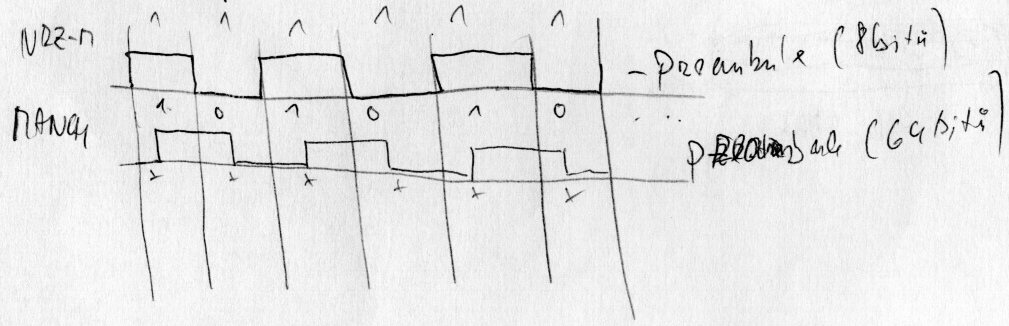
- priedra uprosted
- bit. intervalin midj
- a priedra na enatam
- pii p'raun '0'



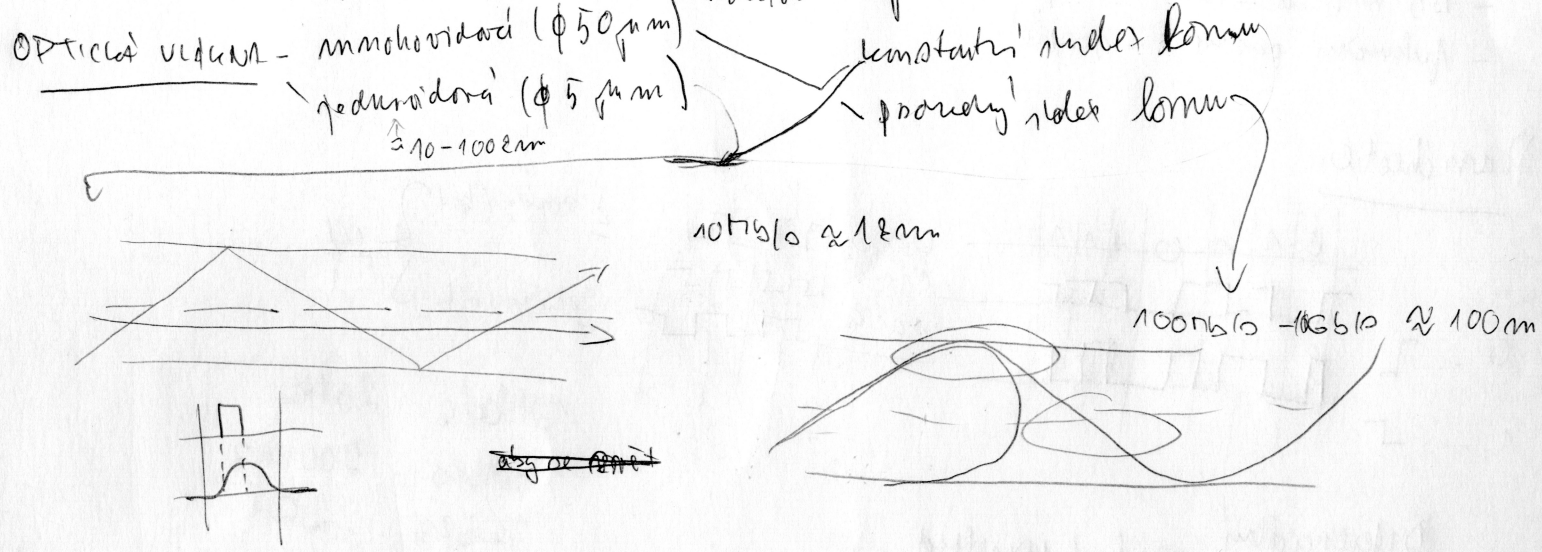
100 - Ethernet
Dif. MAN - Token Ring

NASTAVENI' RUCHEBANDU

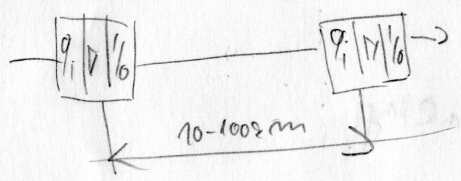
- p'ed exp'itatu' p'rijmudat
- mustine s'uzdumirat f'eri p'rijmace
- na f'eri y'at'ace



komunikacni' sredstva - "diatova" "vodivost'"
 - dvojitrac
 - koax. kabel
 - opt. vlakna
 - bozblnatovci
 - rovnobz' rly
 - onitlo
 - raddrov' rly



pozadze ceslaci, muni' a i ceslit



Zadivov' p'nosy - memoru' s'v'etne

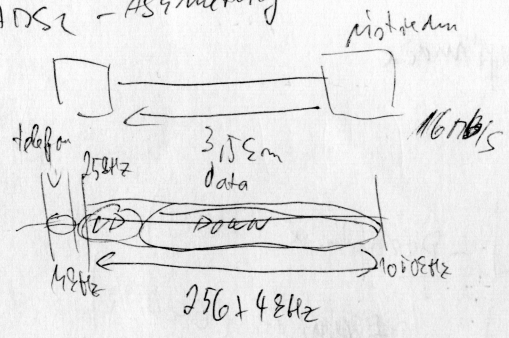
- rozemi'
- duzici'
 - mlsli' (200km | 210km)
 - stremi' (2500km)
 - vzrooki' (36000km)

Telefoni' s'v'et

= analogov' => problemu p' smultiplexovani'm

1800 - 2 kanal' 160 kb/s
~~ADSL~~ 1 kanal' 10 kb/s

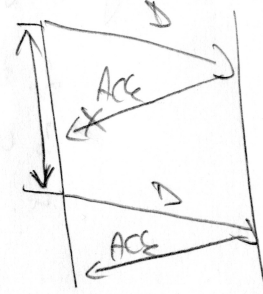
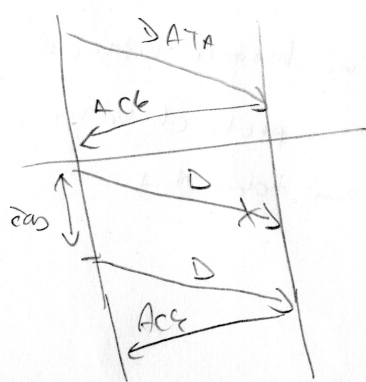
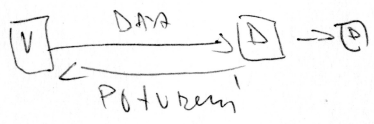
ADSL - ASymetricky'



Kabelov' s'v'et

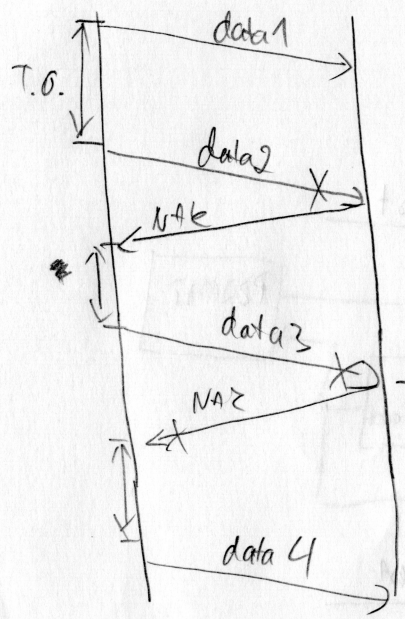
- = kabelov' telemeru
- = tele fon
- = kabelov' modern
 - downline
 - upline - odpravu'

AZQ - automaticky opáraním

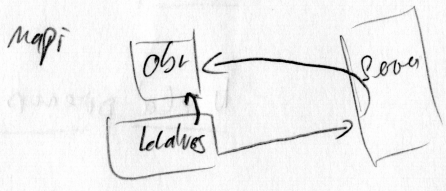
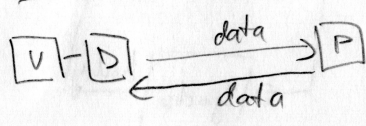


Musíme poslat dupl. data
duplicitní data

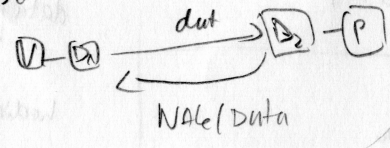
Zdrojový potok



Informace zpět na vysílání



nebo



kódy

= paritní kódy - přidání
početních
iterací kódu

$$A(x) = 0$$

$$P(x) = x^3 + x + 1$$

$$0 \cdot x^3 = 0$$

$$0 = x^3 + x + 1 = 0$$

$$(0 | 0, 0, 0)$$

$$A(x) = 1$$

$$P(x) = x^3 + x + 1$$

$$A \cdot x^m = x^3$$

$$x^3 : x^3 + x + 1 = 1$$

$$x^3 + x + 1$$

$$\frac{x^3 + x + 1}{x^3 + x + 1} = 1$$

galeria kódy =>

$$\frac{A(x) \cdot x^m}{P(x)} = Q(x) + \frac{R(x)}{P(x)}$$

$$A(x) \cdot x^m + R(x) = Q(x) \cdot P(x) + R(x)$$

$$\frac{A(x) \cdot x^m + R(x)}{P(x)} = Q(x) + \frac{R(x)}{P(x)}$$

$$= 0$$

delitelci

$$6 \rightarrow 6+1=7$$

$$60 \rightarrow 60+3=63$$

$$1570 \rightarrow 1570+5=1575$$

$$A(x) = x^3$$

$$P(x) = x^3 + x + 1$$

$$A(x) \cdot x^m = x^3 \cdot x^3 = x^6$$

$$x^6 : x^3 + x + 1 = x^3 + x + 1$$

$$P(x) = x^6 + x^2 + 1$$