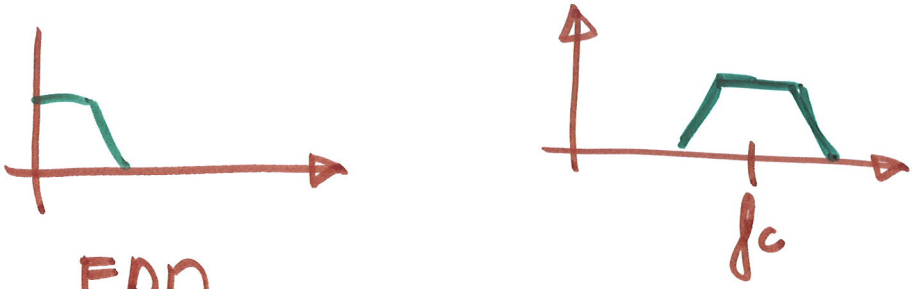
23.04.18

FDMA

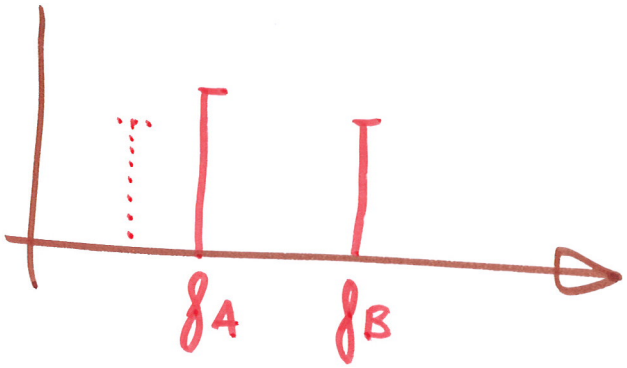


FDD

FM

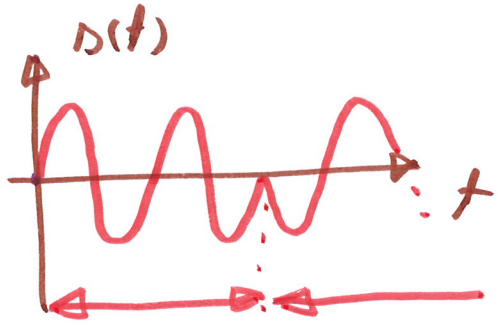
FSK

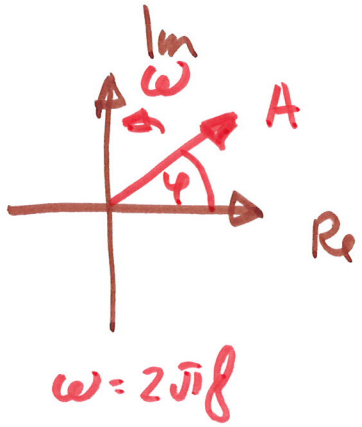
BFSK



PM

BPSK

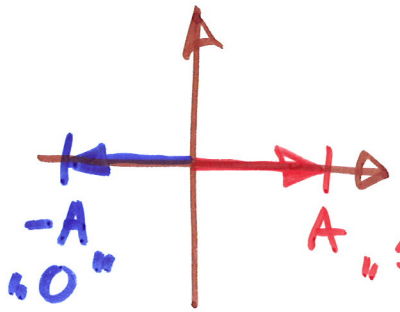


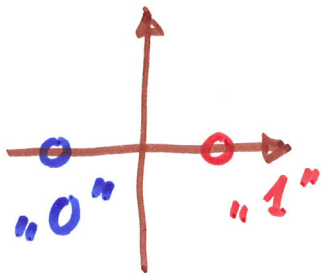


$\omega = 2\pi f$

T_B „1" „0"

$$s(t) = \begin{cases} A \cdot \sin(2\pi f t + 0), & \text{gdy } a_k = 1 \\ A \cdot \sin(2\pi f t + \pi), & \text{gdy } a_k = 0 \end{cases}$$





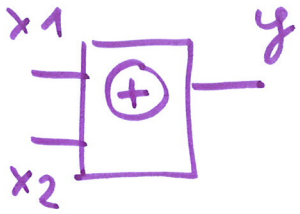
0	00
1	01
2	10
3	11

GRAY-KODE

BER P_b

VÄLISTAV-VÕI ⊕

X_1	X_2	y
0	0	0
0	1	1
1	0	1
1	1	0



$X_1 \oplus X_2 \oplus X_2 = X_1$

GRUH $1 + X^{-12} + X^{-17}$

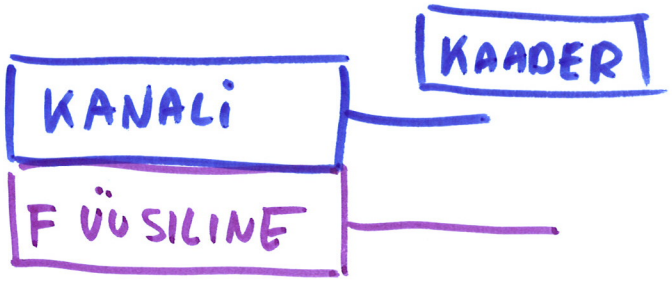
A 1010
B 1011
C 1100
D 1101
E 1110
F 1111

MSB
LSB

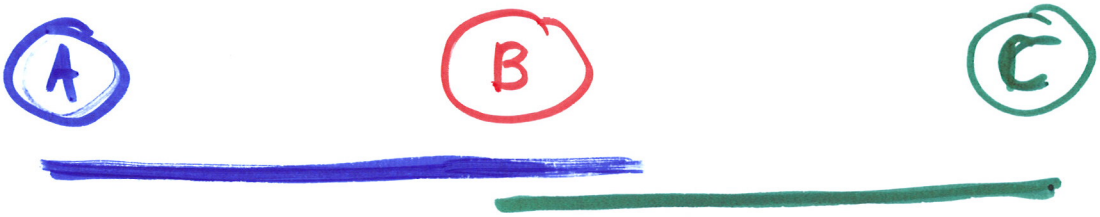
0101 1110 = 0x5E

0x5E7B

7814
4187



PEIDETUD SÕLME PROBLEEM



AVALIKU SÕLME PROBLEEM

```
10110100 : 0
10100100 : 0
```

10110110 : 1010 0101

197 : 2

197 : 13

P = 13

15 | 2

```
1100101 : 0000   P = 10011
10011
 101001 : 000
 10011
    1111 : 0000
    1001 : 1
     1101 : 000
     10011
      1001 : 00
      10011
       1010 : 0
       10011
        0010
```

$x^1 + x^0$

1100101 0010

4 10

10011

$x^4 + x + 1$

11 = 0x3

10001 0000 0010 0001

$x^{17} + x^{13} + x^6 + 1$

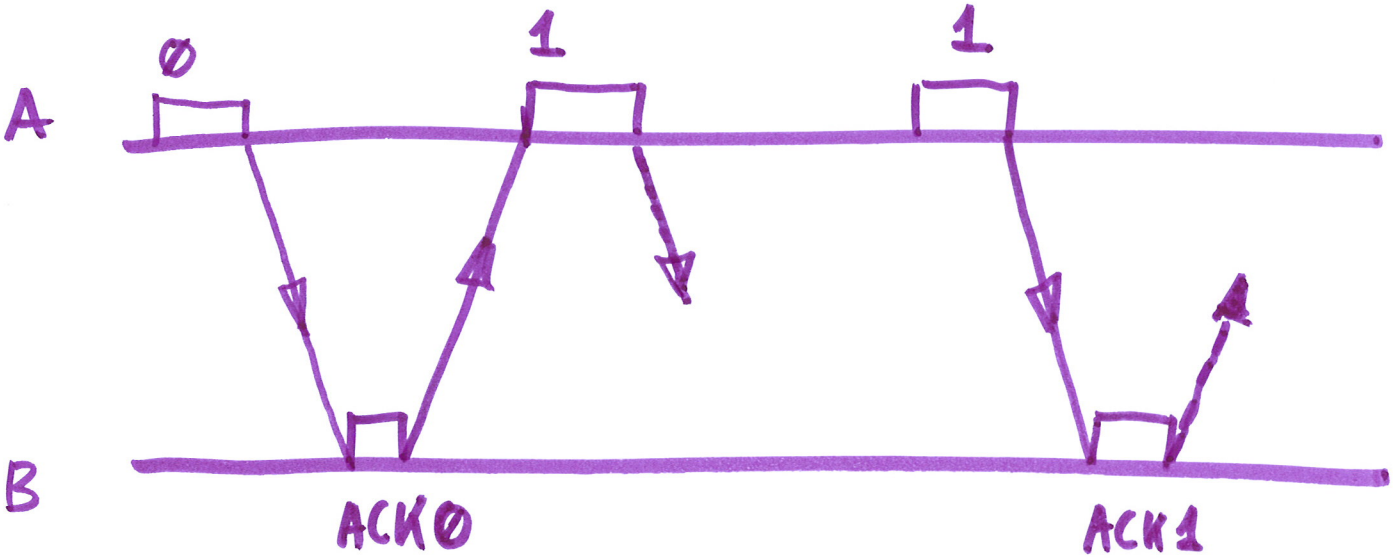
0x7E 01111110

01111110

0x7D 0x5E

01011110 = 0x5E

0x7D 0x5D



$\vec{c}$ = 1010 1111 0001 1110 000

$w(\vec{c}) = 2$

c_1 = 10110

c_2 = 11010

$h = d(c_1; c_2) = 2$

h_{min}