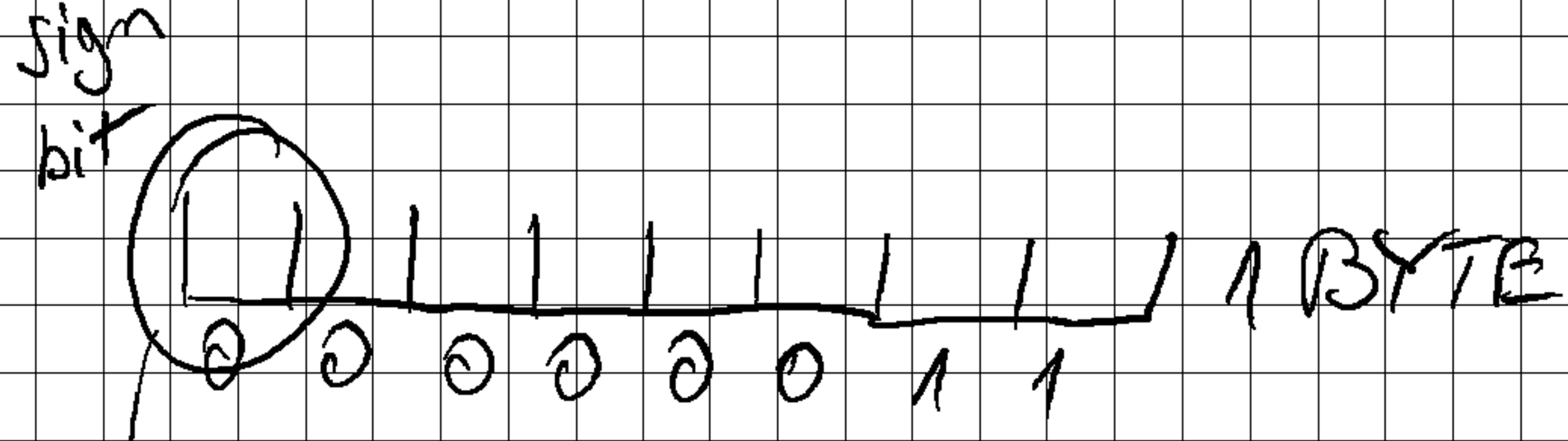
Complementary Coole



0 - positiv number

1 - negativ number

$[0, 255] \Rightarrow [-128, 127]$

3 = 00000011

-3 = 10000011

$7_{(10)} = 111_{(2)}$

-7 = 00000111 ↓

10000111 ↓ ~ (negare)

11111000 ↓ +1

11111001

-9 = 00001001 ↓

10001001 ↓ ~

11110110 ↓ +1

11110111

1 1 1 0 1 1 0 0 1 1 1 0 1 1 0 1

I $b_{(10)} \Rightarrow 1 \cdot 2^{11} + 1 \cdot 2^{10} + \ldots = n$

$n_{(10)} \Rightarrow b_{(16}$

II 1 1 1 0 1 1 0 0 1 1 1 0 1 1 0 1

E C E D

Homework: C → no. 8

A. ⇒ no. 9