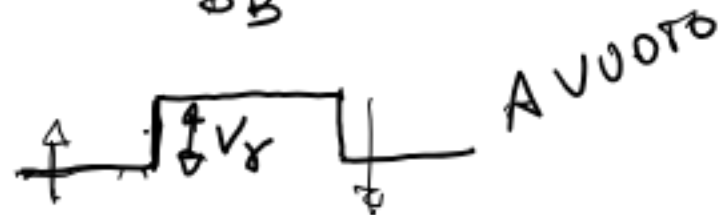
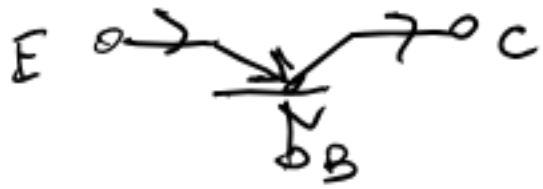
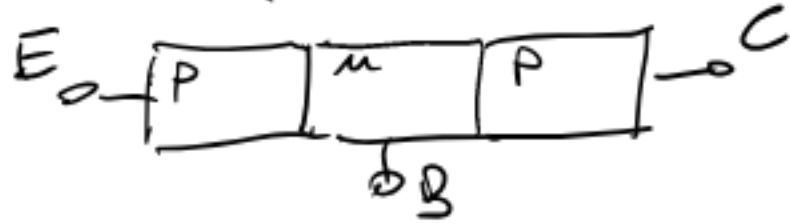


BJT

PNP



$$I_E = I_B + I_C$$

$$I_B \ll I_E, I_C$$

$$I_C = \alpha I_E$$

$$\alpha \approx 0,98 \dots$$

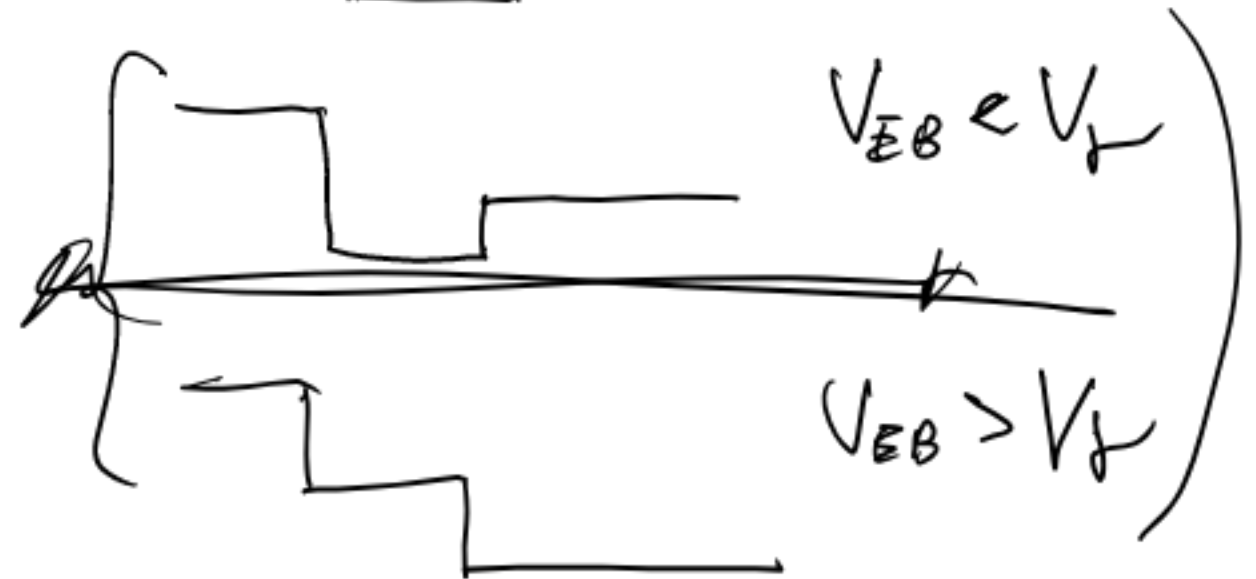
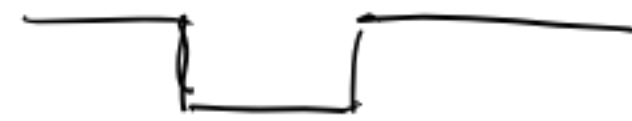
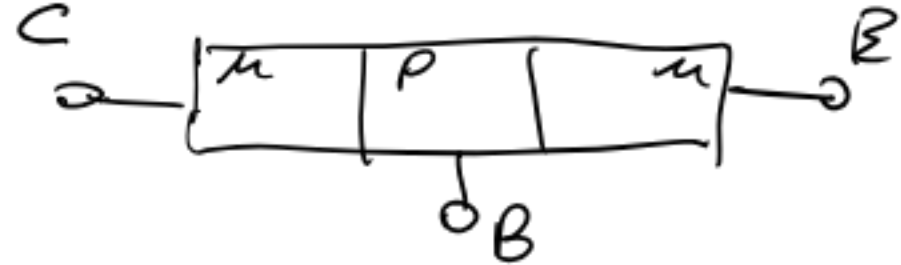
$V_{EB} > V_T$

$$I_C \approx I_E$$

BASIS COMUNE

INTERAZIONE
 $I_E \approx I_C \approx 0$

MPN



Conf. EMISSIONE COMUNE



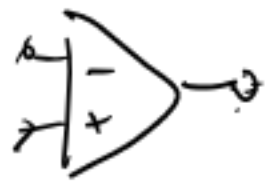
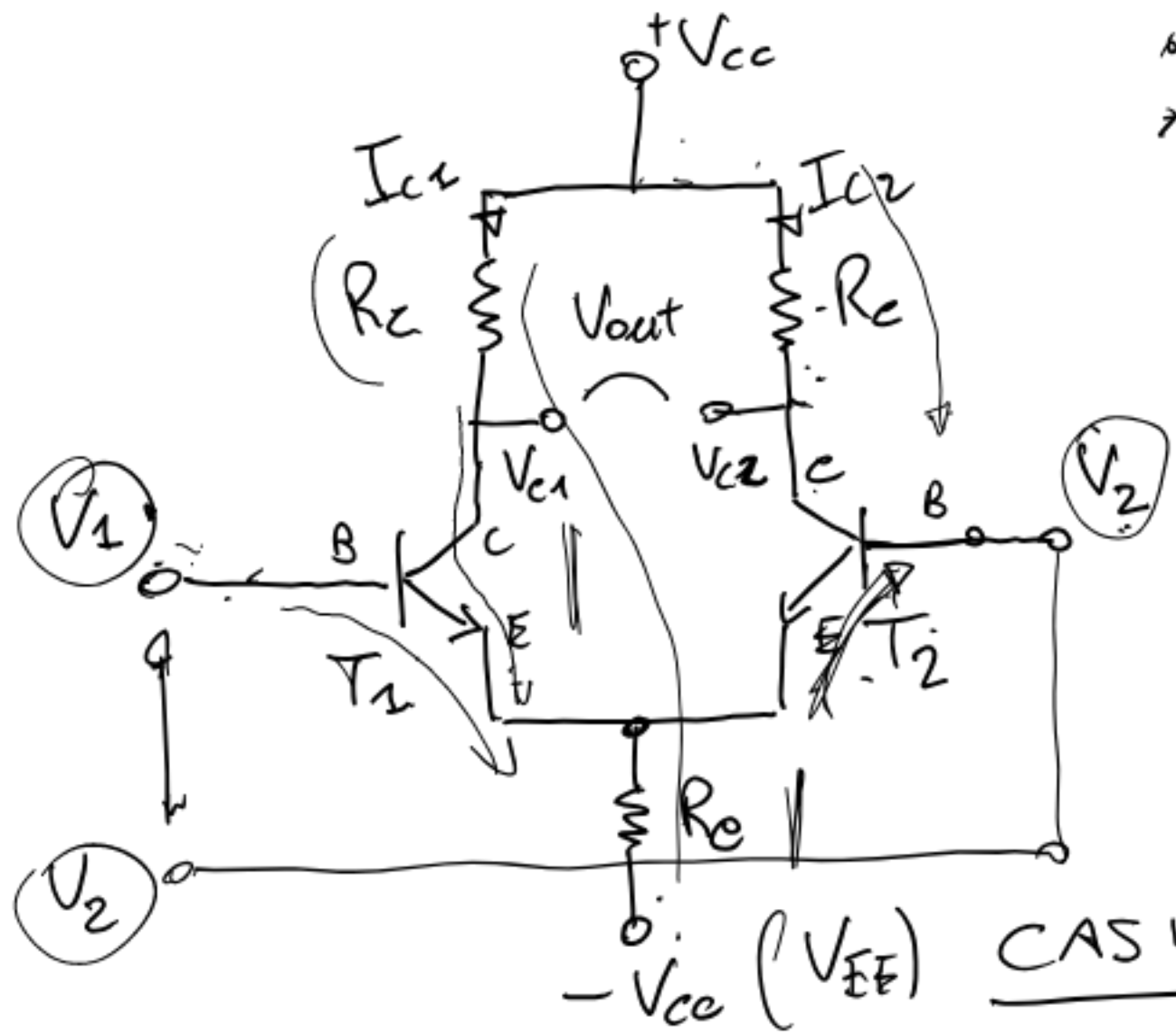
$$I_E = I_B + I_C$$

$$I_E = \beta I_B$$

$$\beta \gg 1$$

$I_B \ll I_E, I_C$
 geodeshen

EB POL. DIRRETT.
 BC POL. INVERSA
 ATTIVA



$$V_{out} = V_{c2} - V_{c1}$$

$$V_1, V_2 \Rightarrow V_{in}$$

$$V_{diff} = V_1 - V_2$$

$-V_{cc} (V_{EE})$ CASI LIMITI

$V_1 > V_2$

\Rightarrow T_1 ATTIVA, $V_{BE} > V_B$
 T_2 INTERDETTO

$$V_{c2} = V_{cc} \quad (I_{c2} = 0)$$

$$V_{c1} = V_{cc} - R_c \cdot I_{c1}$$

$$I_{c1} = \frac{V_{cc} - (-V_{cc})}{R_c + R_e} = \frac{2V_{cc}}{R_c + R_e}$$

$$V_{out} = V_{c2} - V_{c1} = R_c I_{c1} = V_{cc} \frac{2R_c}{R_c + R_e}$$

(1) $V_{out} = V_{cc} \frac{2R_c}{R_c + R_e}$

(2) $V_{out} = -V_{cc} \frac{2R_c}{R_c + R_e}$

$V_2 > V_1$

$V_1 > V_2$

$\Delta V_{12} = V_1 - V_2 > V_{TH}$

$V_{out} = V_{cc} \frac{2R_c}{R_c + R_e}$

T1 "condotta"
T2 interdotta

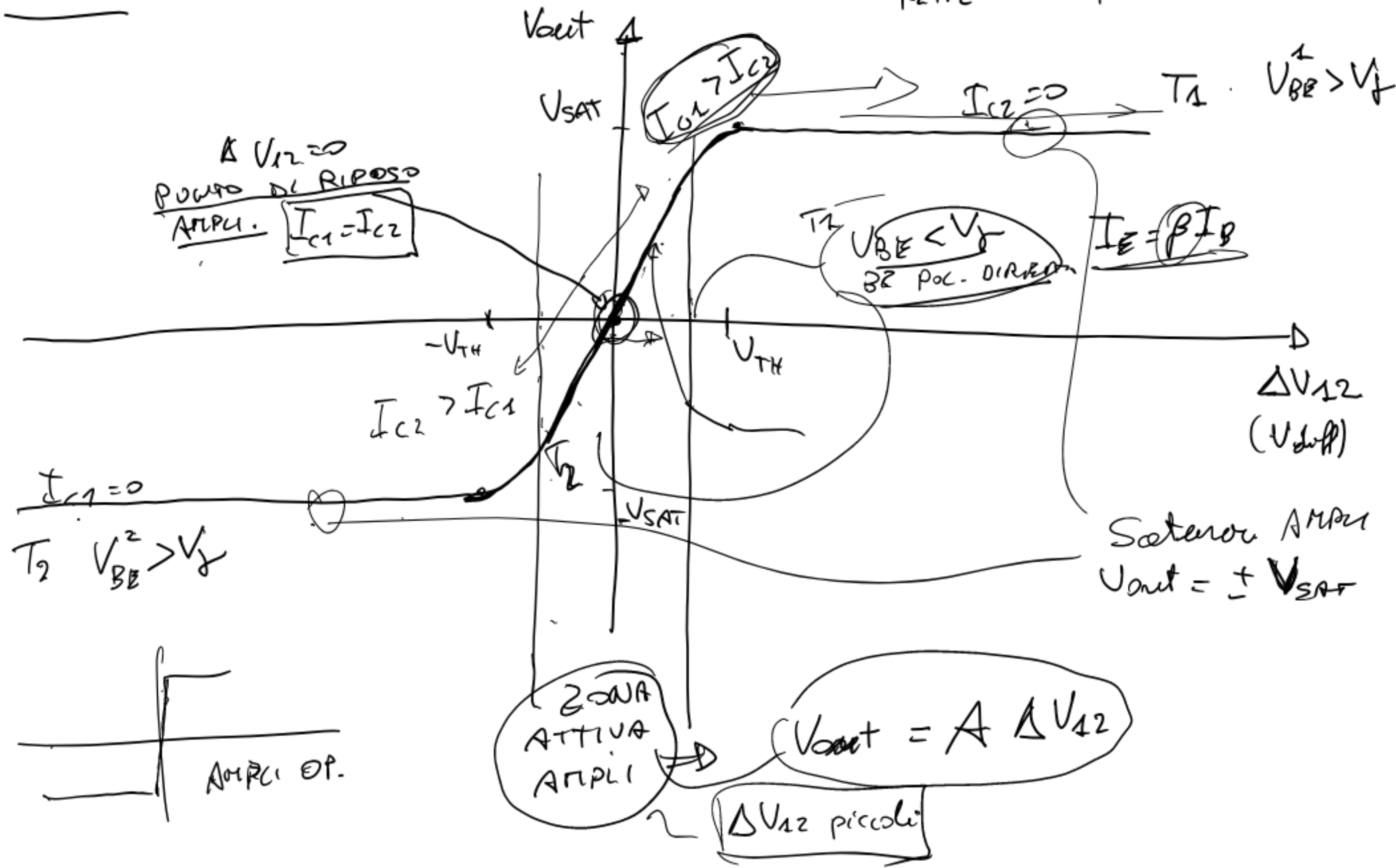
3

$V_2 > V_1$

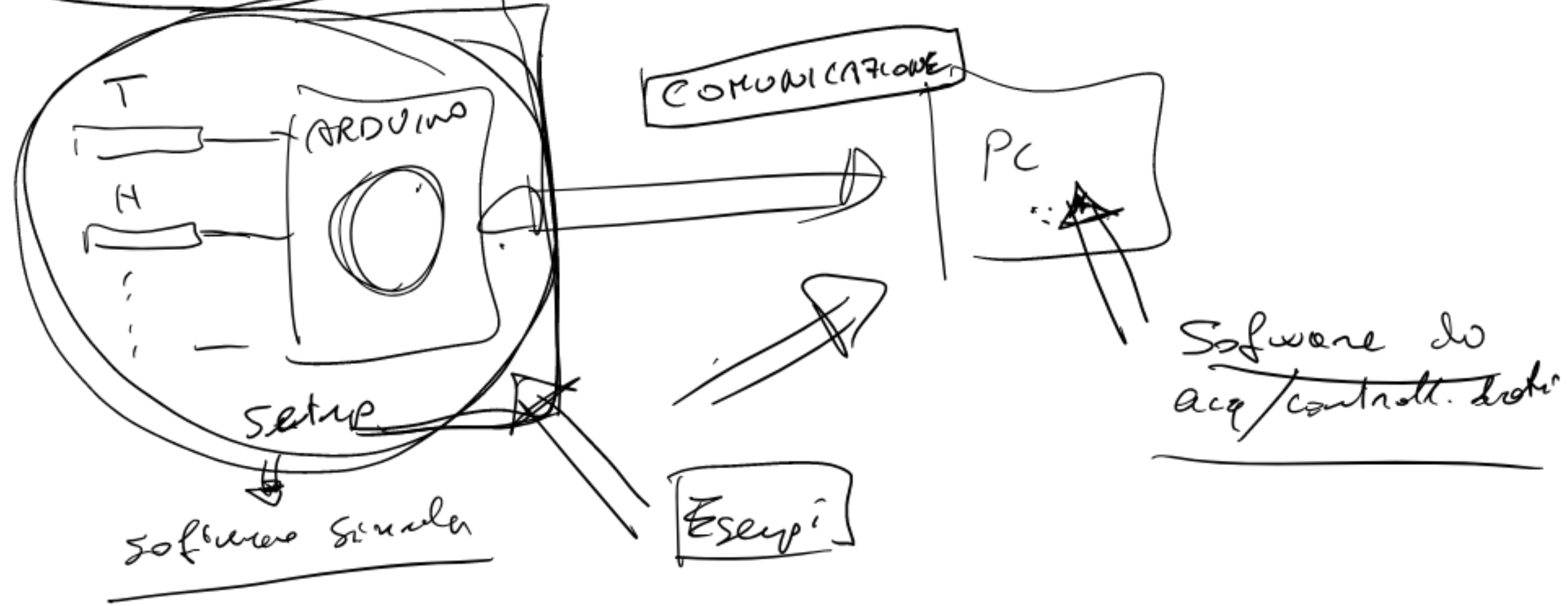
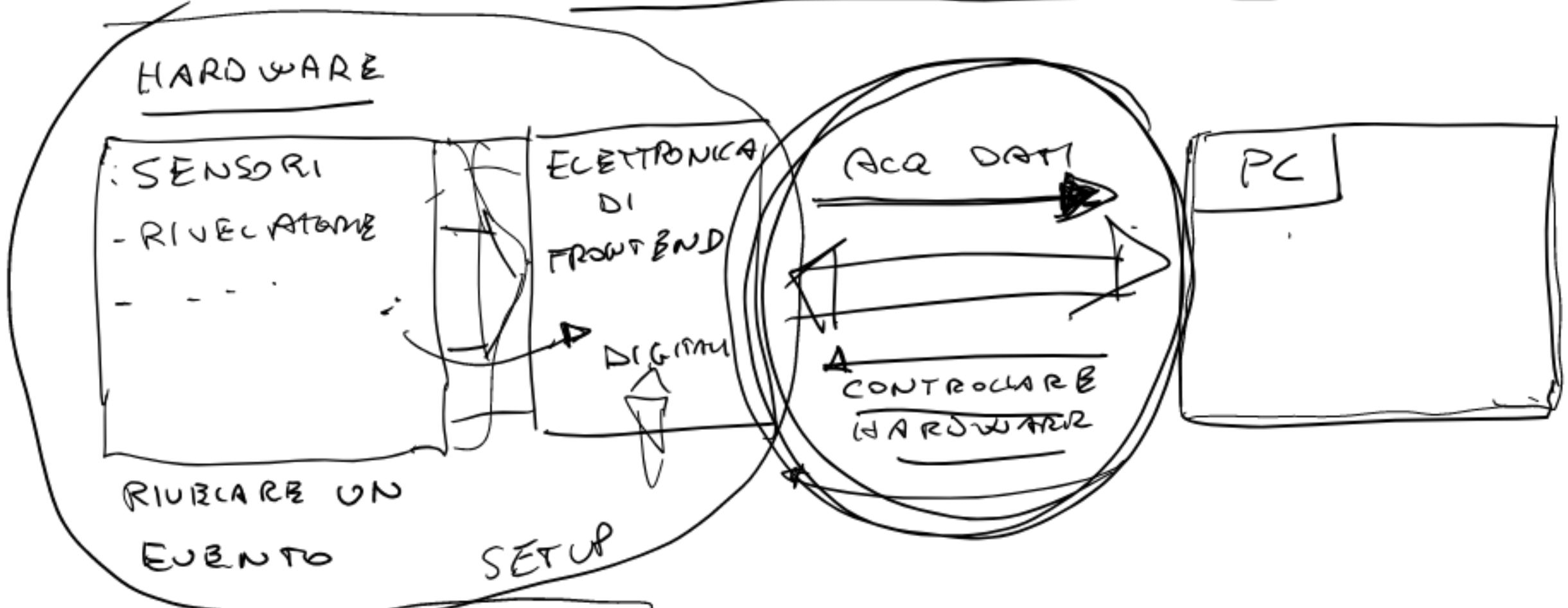
$\Delta V_{12} = V_1 - V_2 < -V_{TH}$

$V_{out} = -V_{cc} \frac{2R_c}{R_c + R_e}$

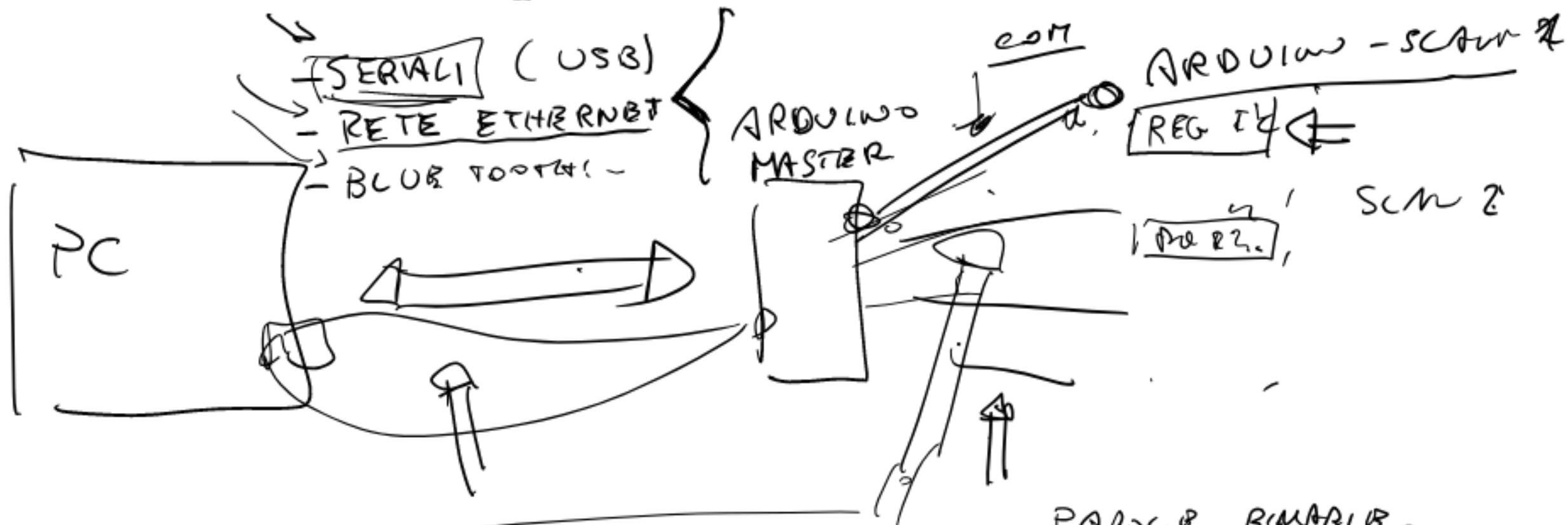
T1 interdotta
T2 "condotta"



SISTEMI DI ACQUISIZIONE / MISURA / CONTROLLO



ELETT. <-> ELETTRONICA



COM. BASSO LIVELLO

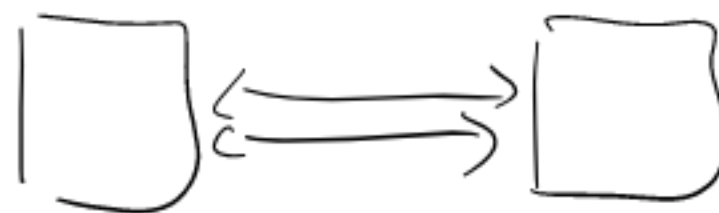
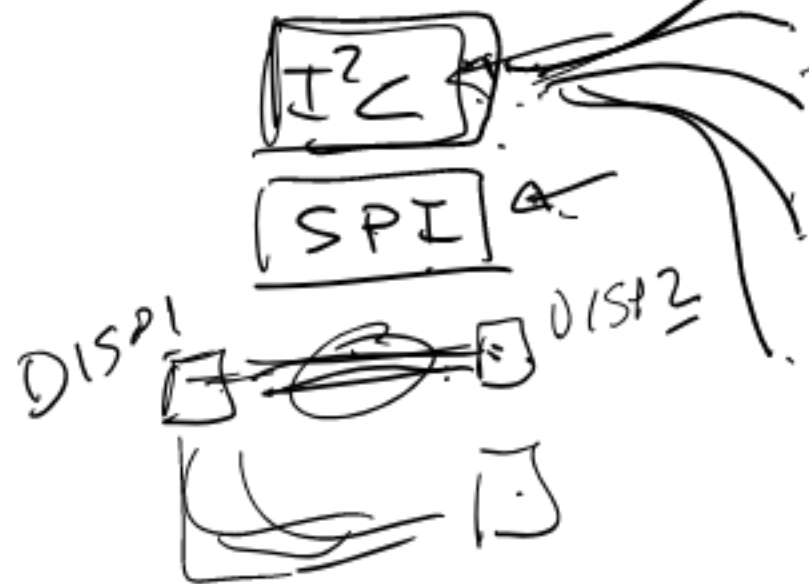
SERIALI

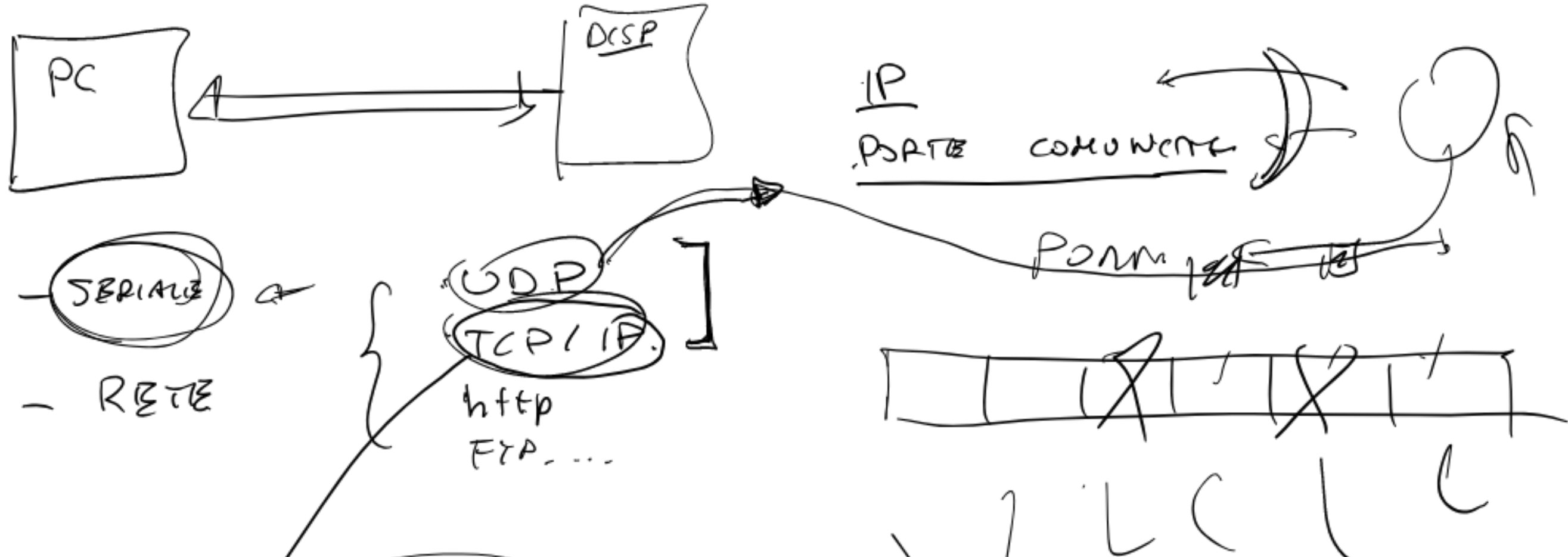
PAROLE BINARIE

0	1	0	0	1	1	1
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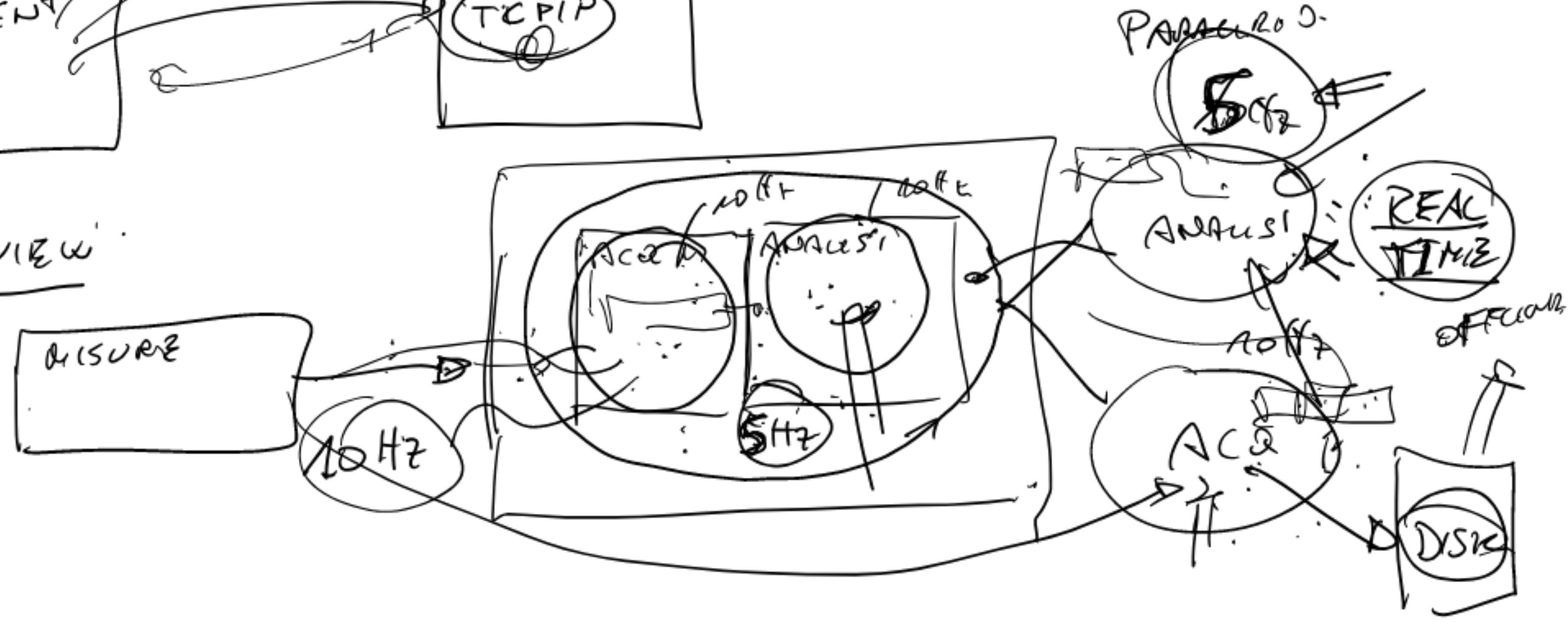
CLIC

SHIFT REGISTRO

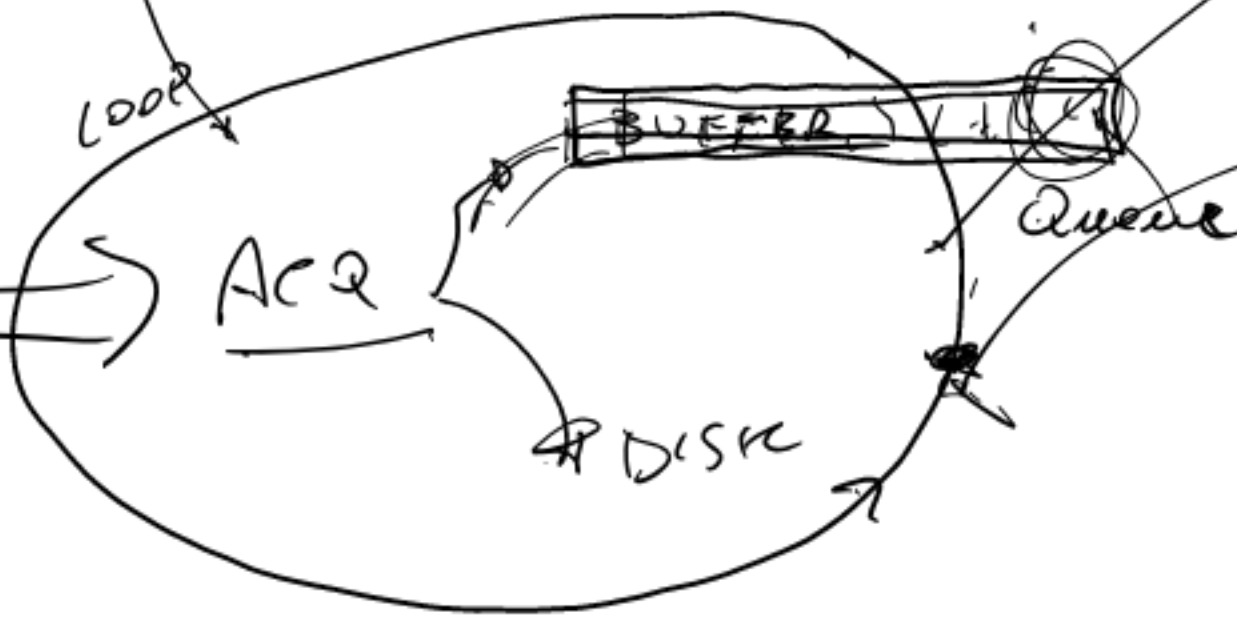
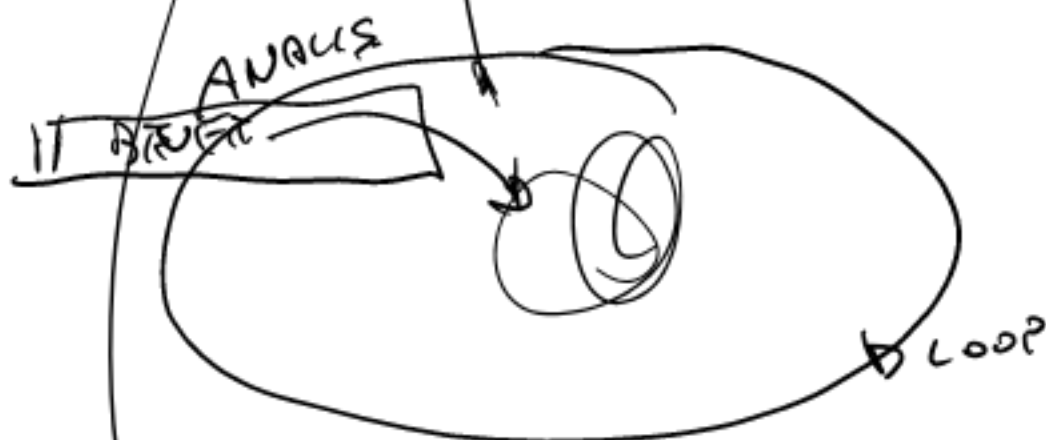
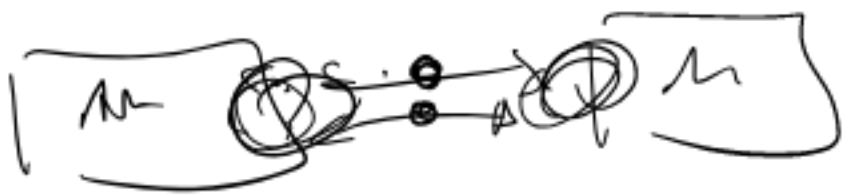




CABVIEW



PROGRAMMI



HARDWARES

PARALLELO

DEBUG
=> EXE

C
H
EXE.

