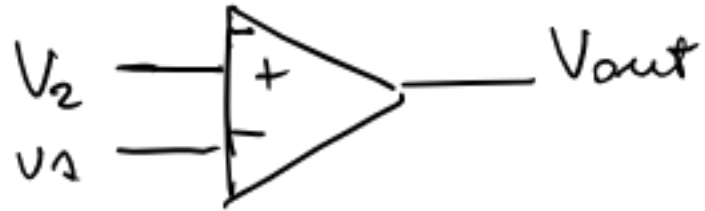


ELETRONICA ANALOGICA
SIMULATORE AO

ESP 1

Misura A_d A_{cm} $V_{out} = \underbrace{A_d (V_2 - V_1)} + \underbrace{A_{cm} \frac{V_1 + V_2}{2}}$



A_d) $V_1 = -V_2$ $V_{out} = A_d (V_2 + V_2) = 2 \cdot A_d V_2$

\Rightarrow $A_d = \frac{V_{out}}{2 V_2}$

A_{cm}) $V_1 = V_2 = V_{in}$ $V_{out} = A_{cm} V_{in} \Rightarrow A_{cm} = \frac{V_{out}}{V_{in}}$

V_1, V_2 prescelti

V_{out} !!!

$V_{cc} = \pm 12V$

12V \rightarrow SAT

LINEARITA'

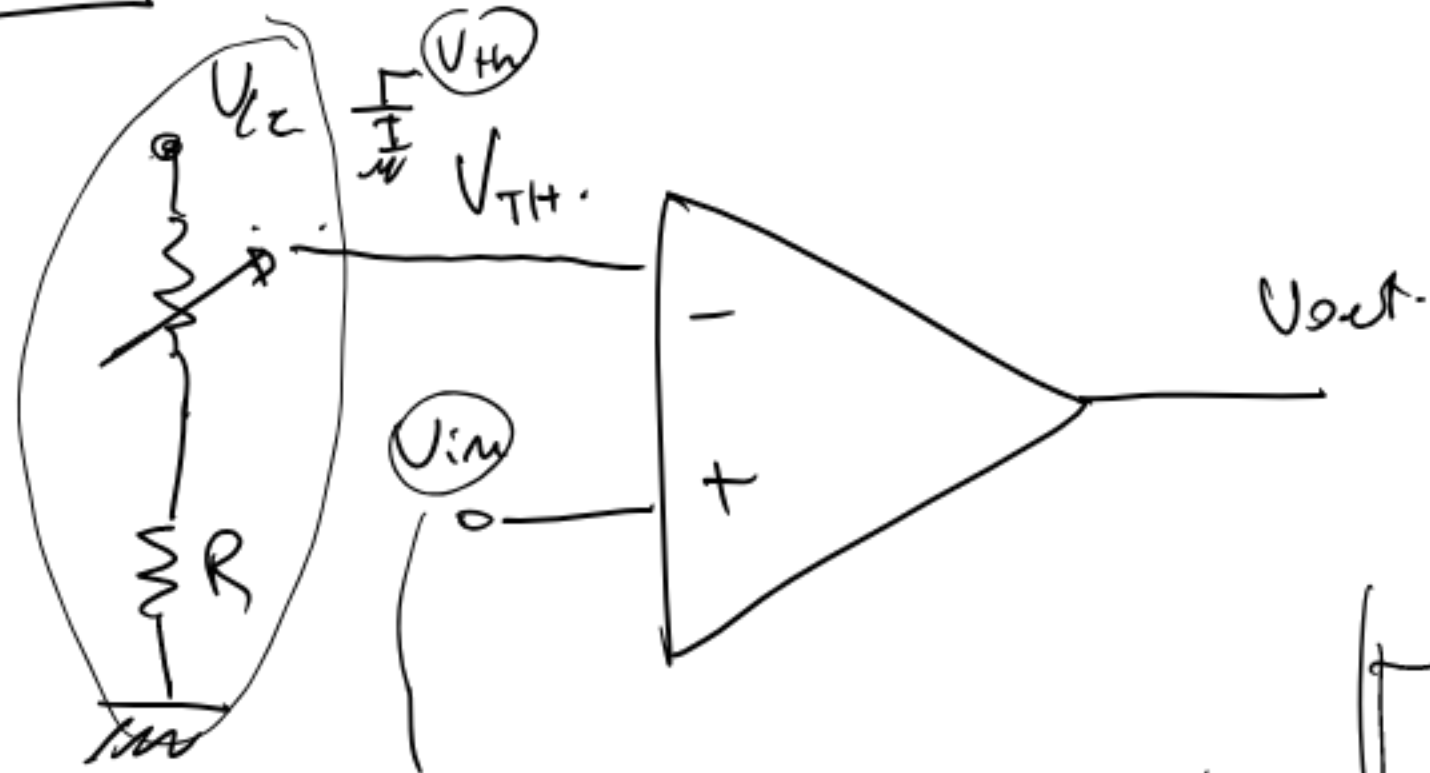
$V_{SAT} = 12V$

$V_{out} = A \cdot \Delta V_{in}$

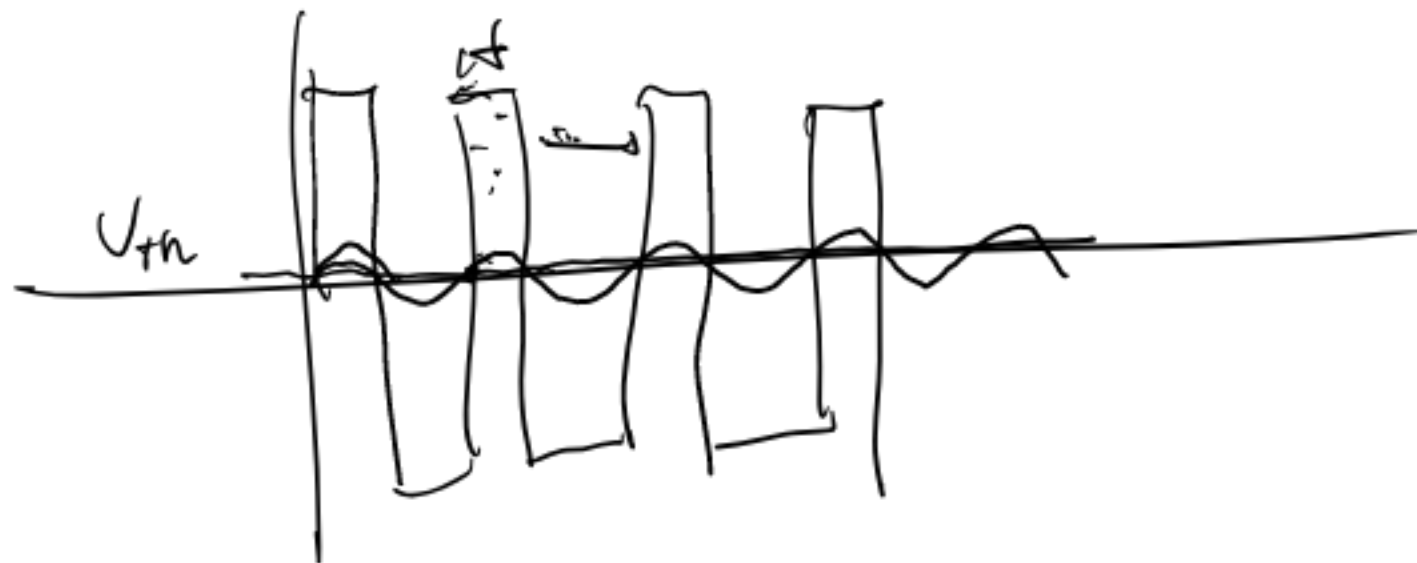
$\Delta V_{in}^{MAX} = \frac{V_{SAT}}{A} = ?$

ESP. 2

DISCRIMINATORIE

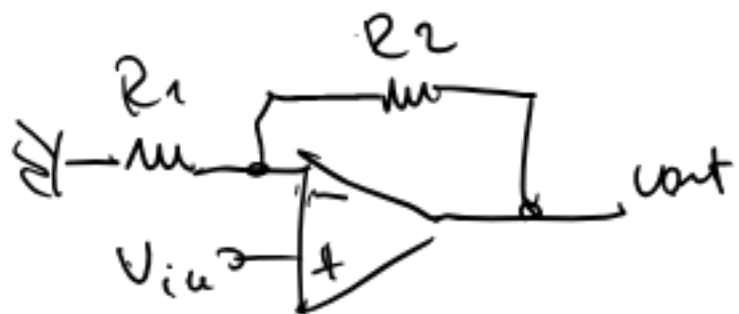


SINUSOIDALE



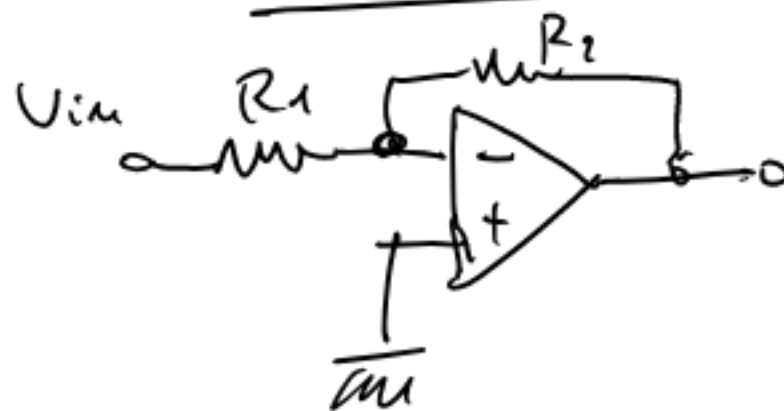
ESP. 3

CONN. NON INVERTENTE

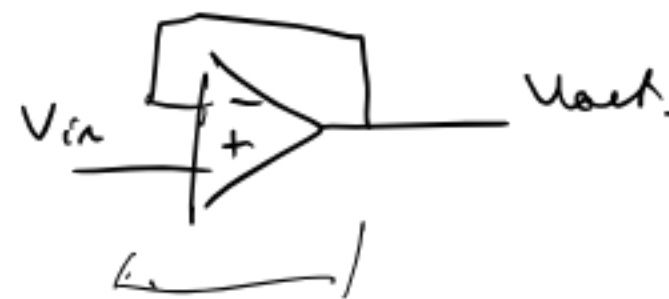
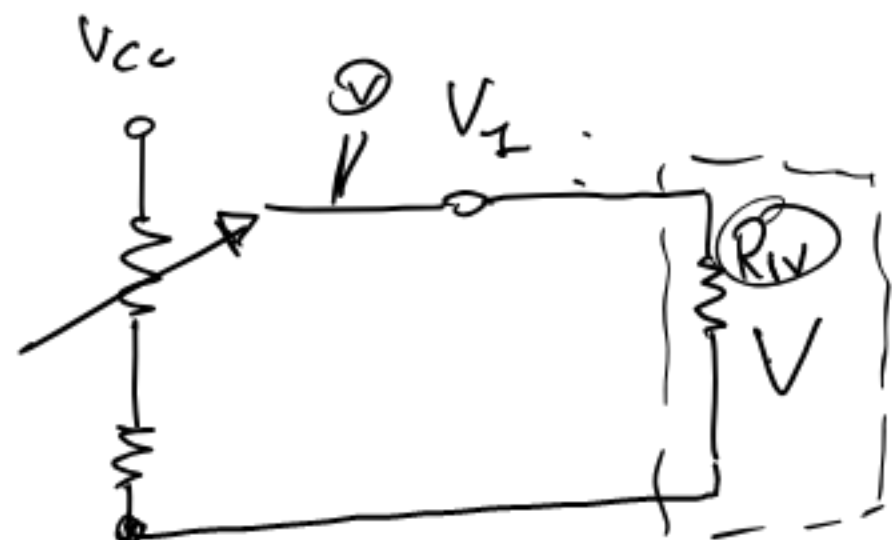


$$A_V = 1 + \frac{R_2}{R_1}$$

CONN. INVERTENTE



$$A_V = -\frac{R_2}{R_1}$$



1)

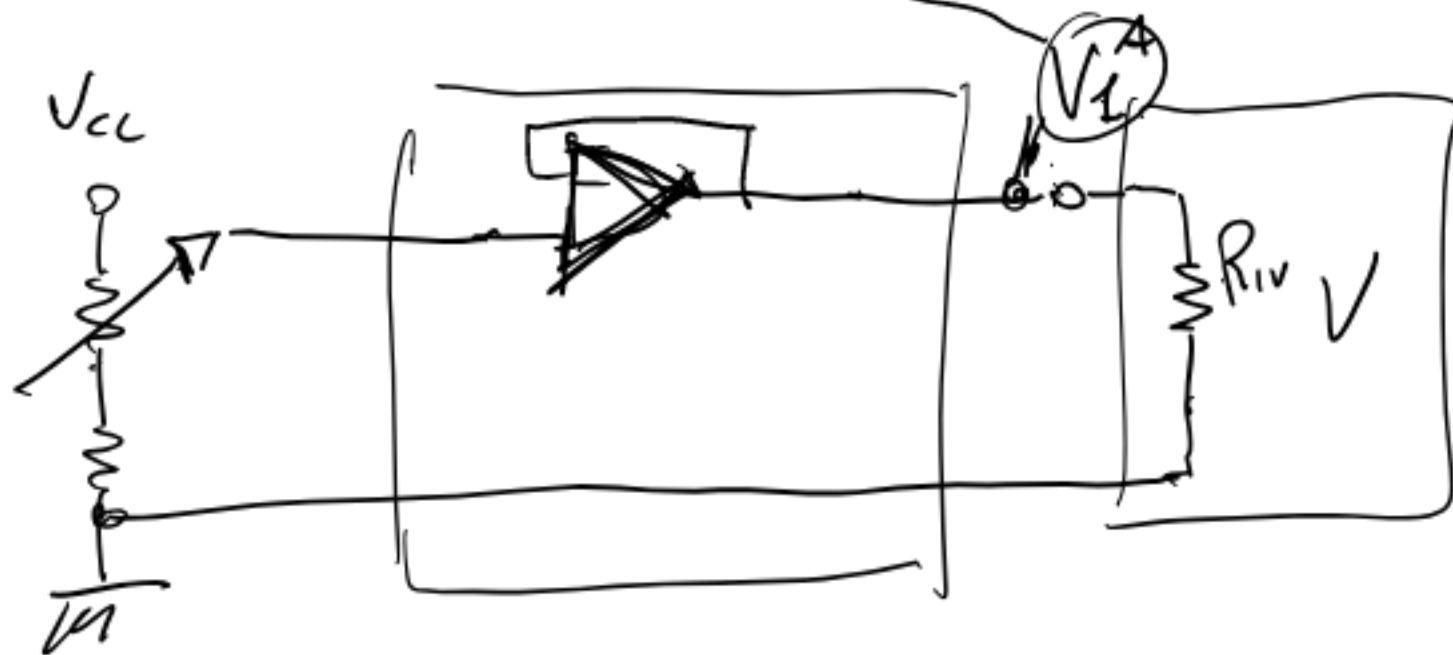
V_1^V a vuoto

2) R_{lv} voltmetro analogico
 $R \approx 10\text{ k}\Omega$

V_1^C CARICO.

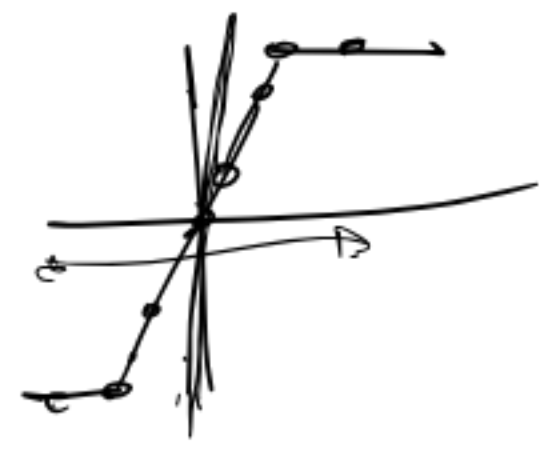
$$V_1^C \neq V_1^V$$

$$<$$



ESP 1

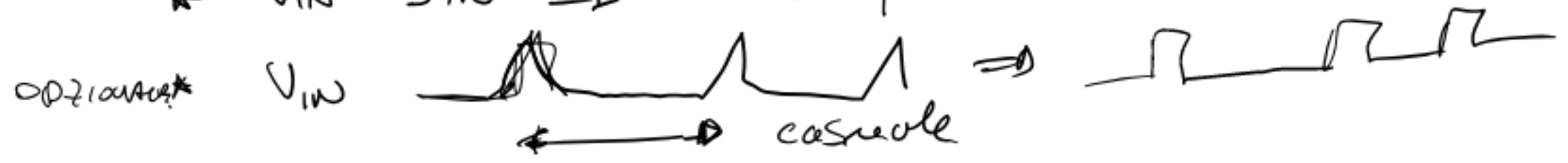
- Misura Ad Ach
- Studio zona lineare.



ESP 2

- DISCRIMINATORE

* $V_{in} \sin \Rightarrow$ ondo quadra.



ESP. 3

- CONN. NON INVERTENTE (AR)
- CONN. INVERTENTE

ESP. 4

INSEGUITORE DI TENSIONE / ADATTAMENTO DI IMPEDENZA

ESP. 5

OSCILLATORE (INSITIBILE)

Report esperienze

- ⇒ Non devono essere delle relazioni.
- ⇒ Un report sintetico con i risultati
- ⇒ Dimostrare anche fatto l'esperienza
- ⇒ Screenshot
- ⇒ Grafico se utile