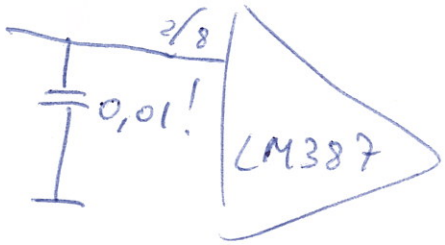
STICHTING LOGOS
instelling van openbaar nut
Kongostraat 35
B-9000 Gent
tel. 091-23.80.89

SPRINGDRIVER

voor: "Timeframes"

* Voeding ontkoppelen!

*



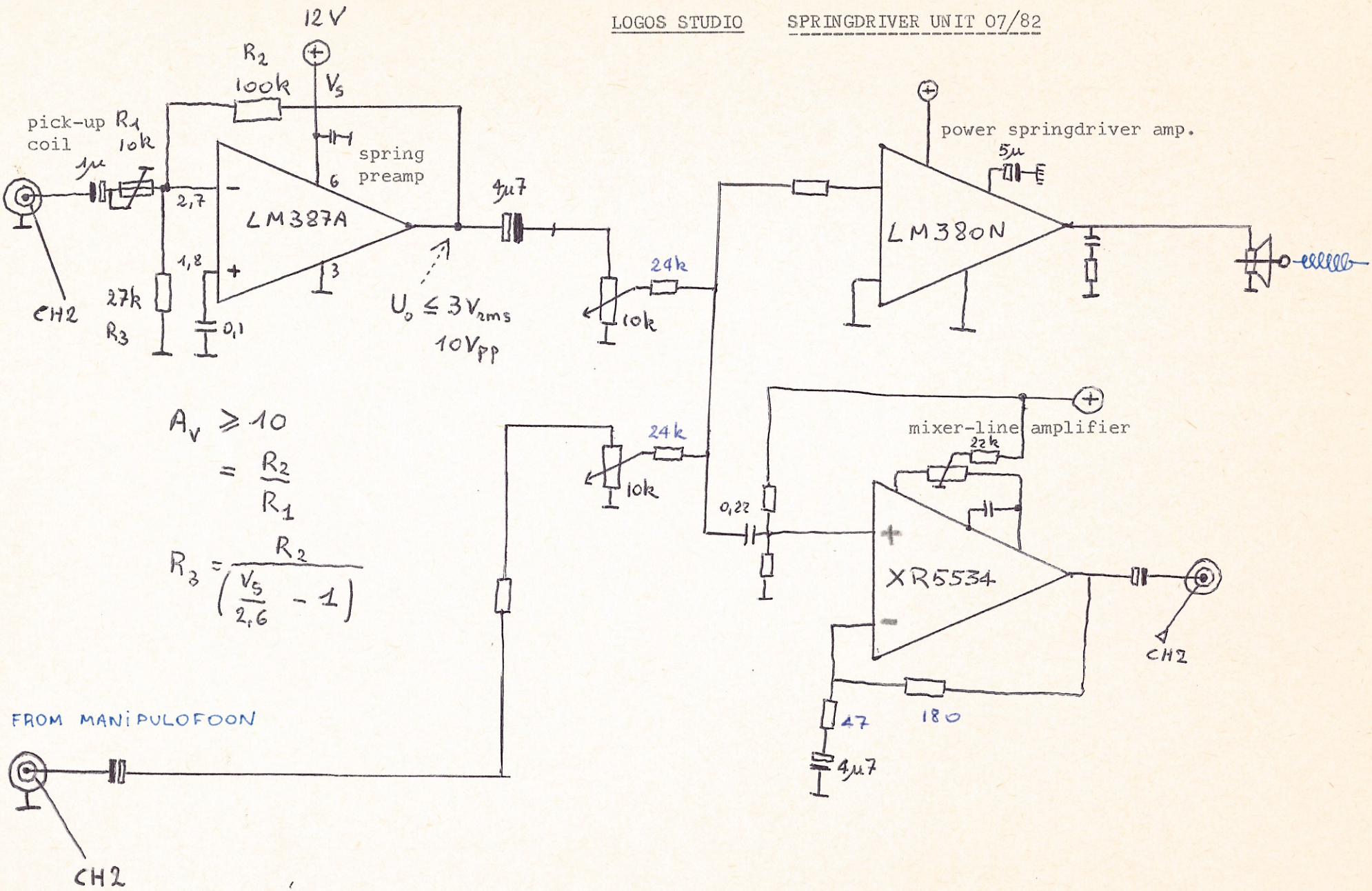
40 nF

à 0,002 µ

= 2 nF

$\frac{R_4}{R5 // R6.} \geq 40.$

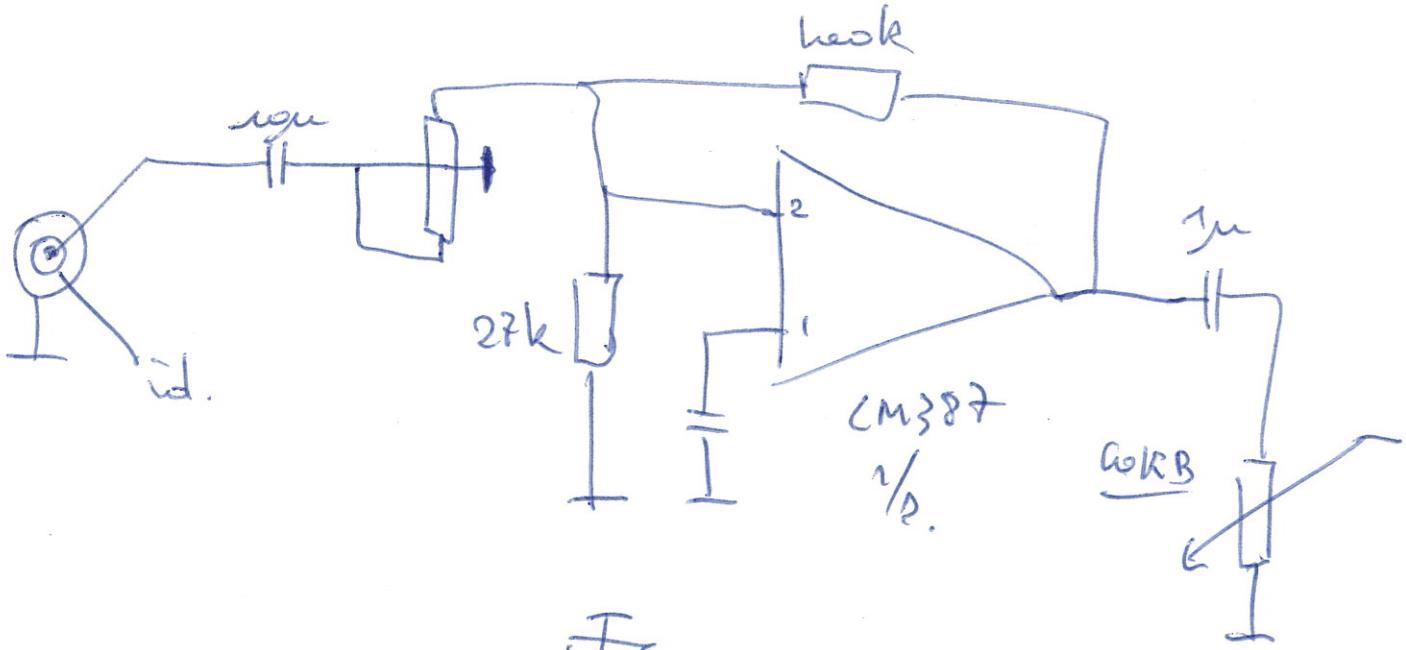
LOGOS STUDIO SPRINGDRIVER UNIT 07/82

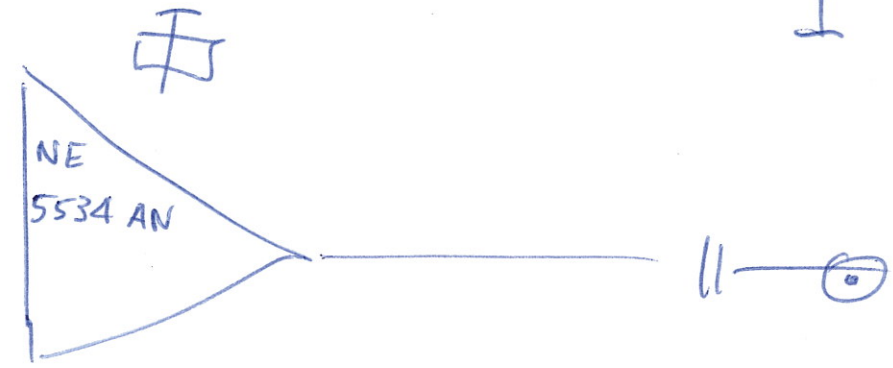


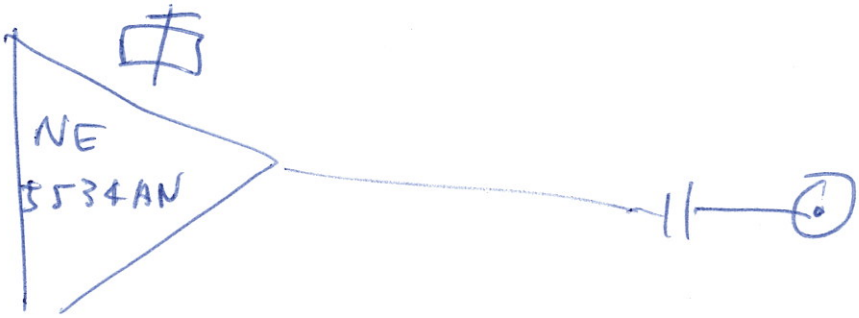
$$A_V \geq 10$$

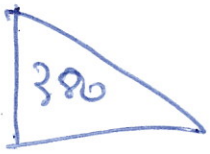
$$= \frac{R_2}{R_1}$$

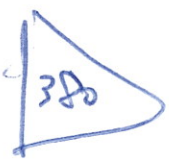
$$R_3 = \frac{R_2}{\left(\frac{V_S}{2,6} - 1\right)}$$


hook
10µ
2
1
1µ
27k
id.
CM387
1/2.
60KB

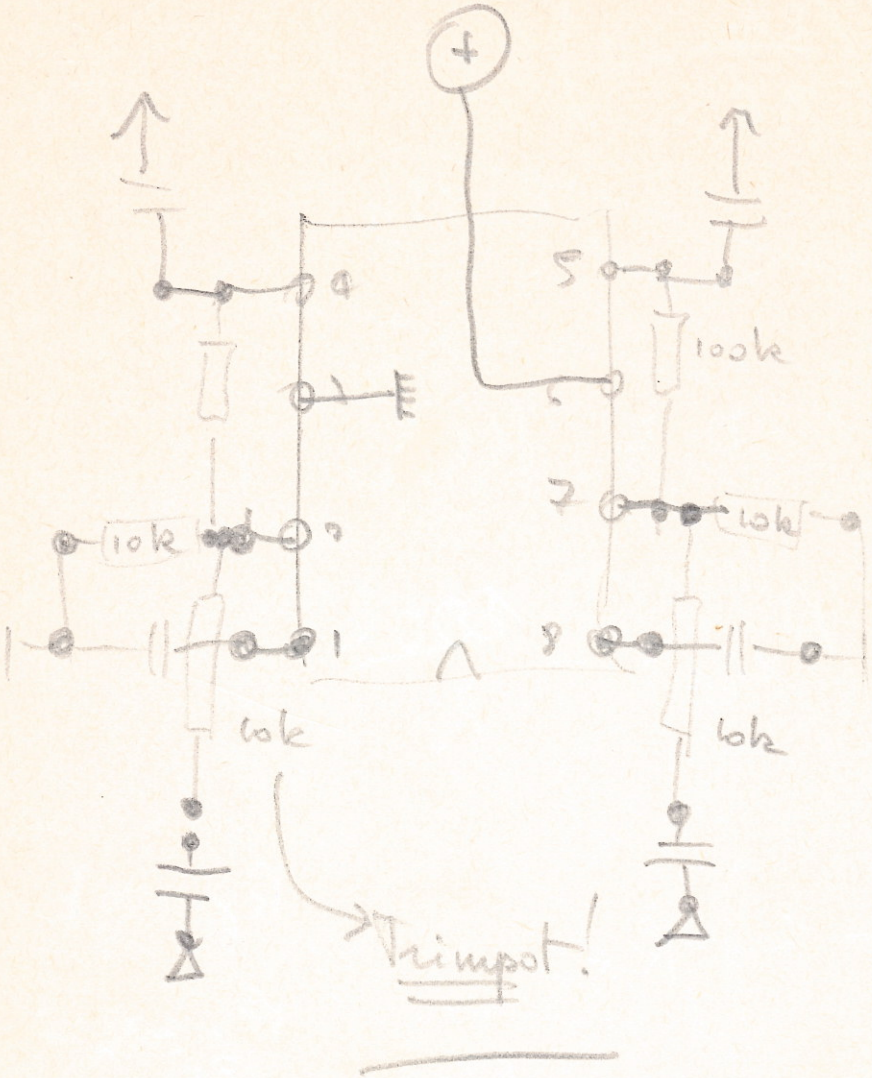

NE
5534 AN


NE
5534AN


380

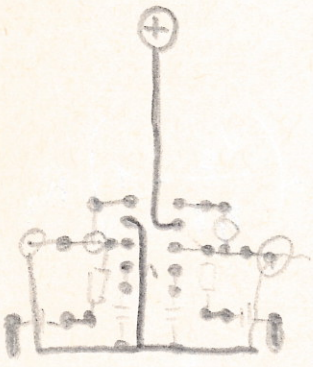

380

principiële



gemaakt
o.k.

minipuntje



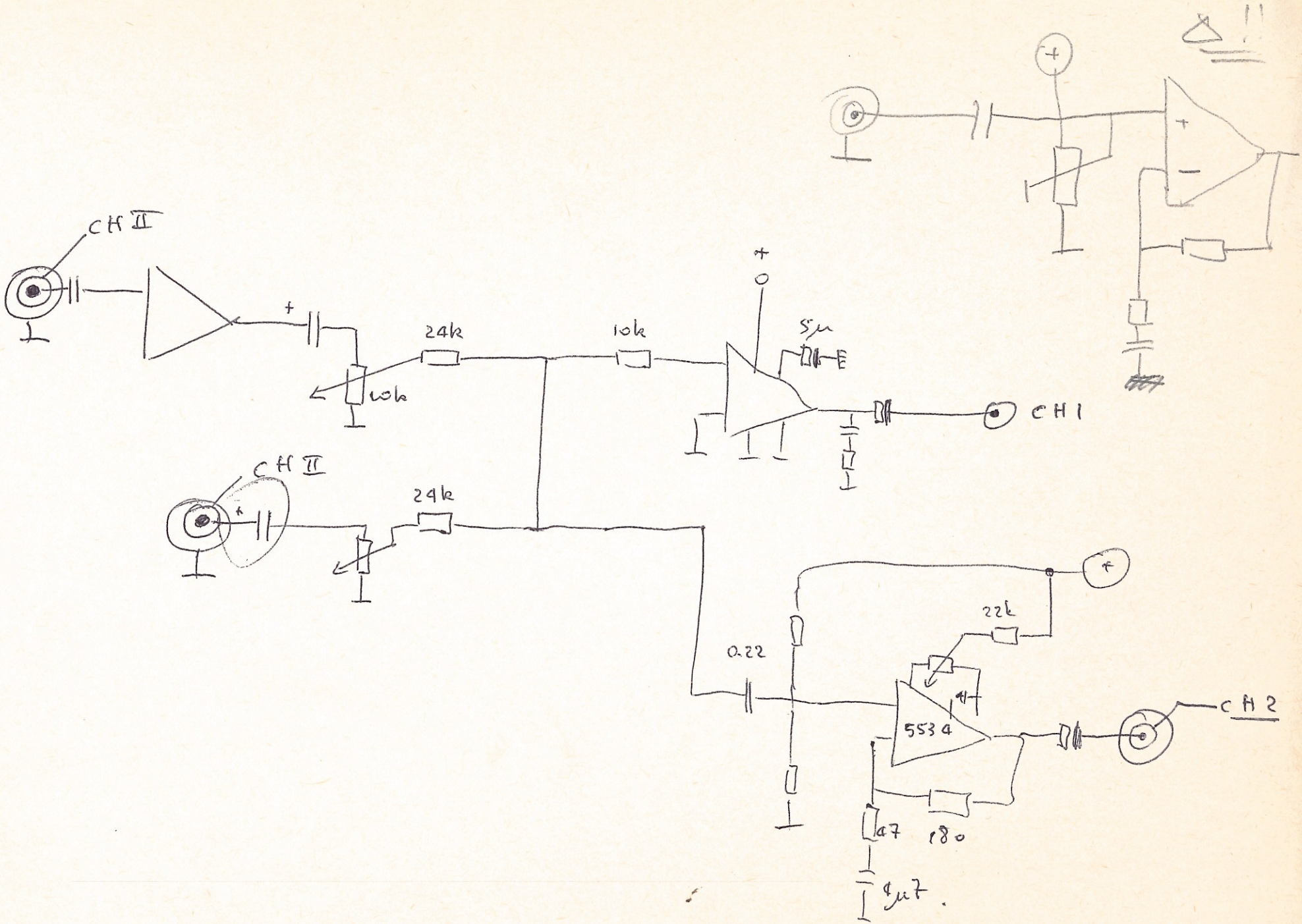
+12 V

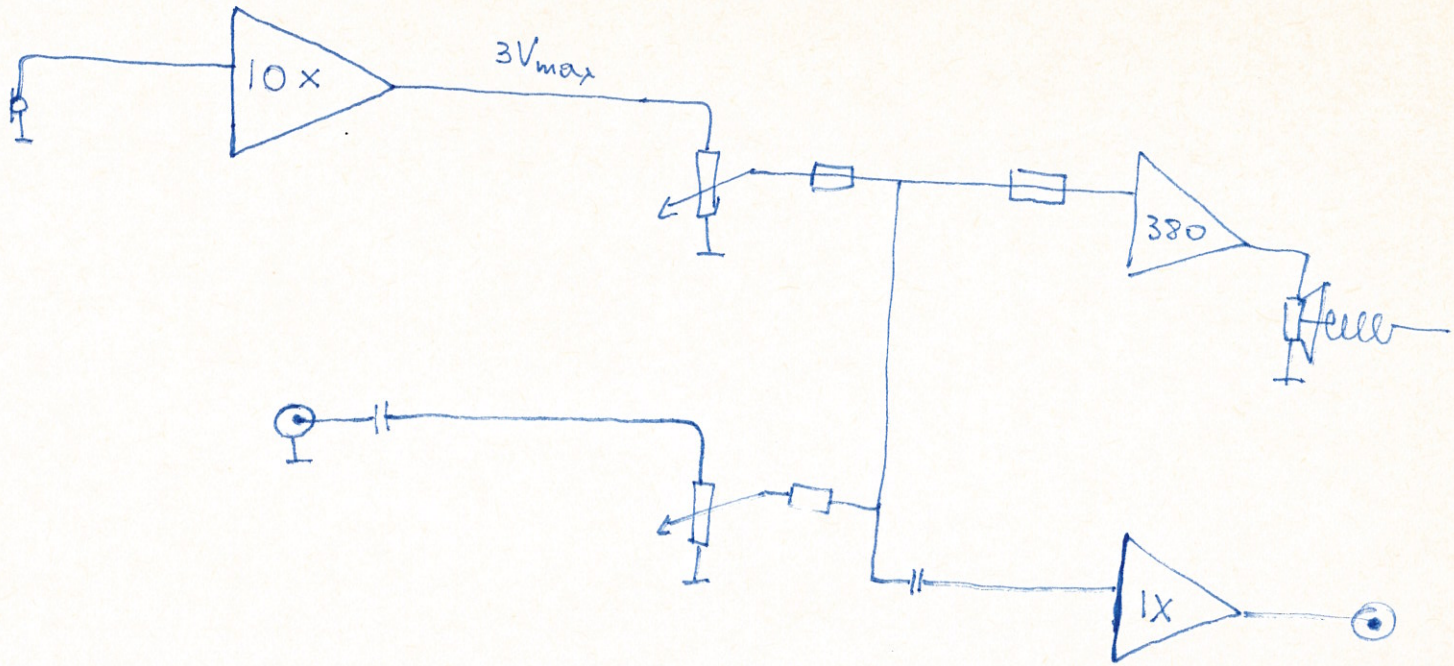
→ U_{pp} = 10 V

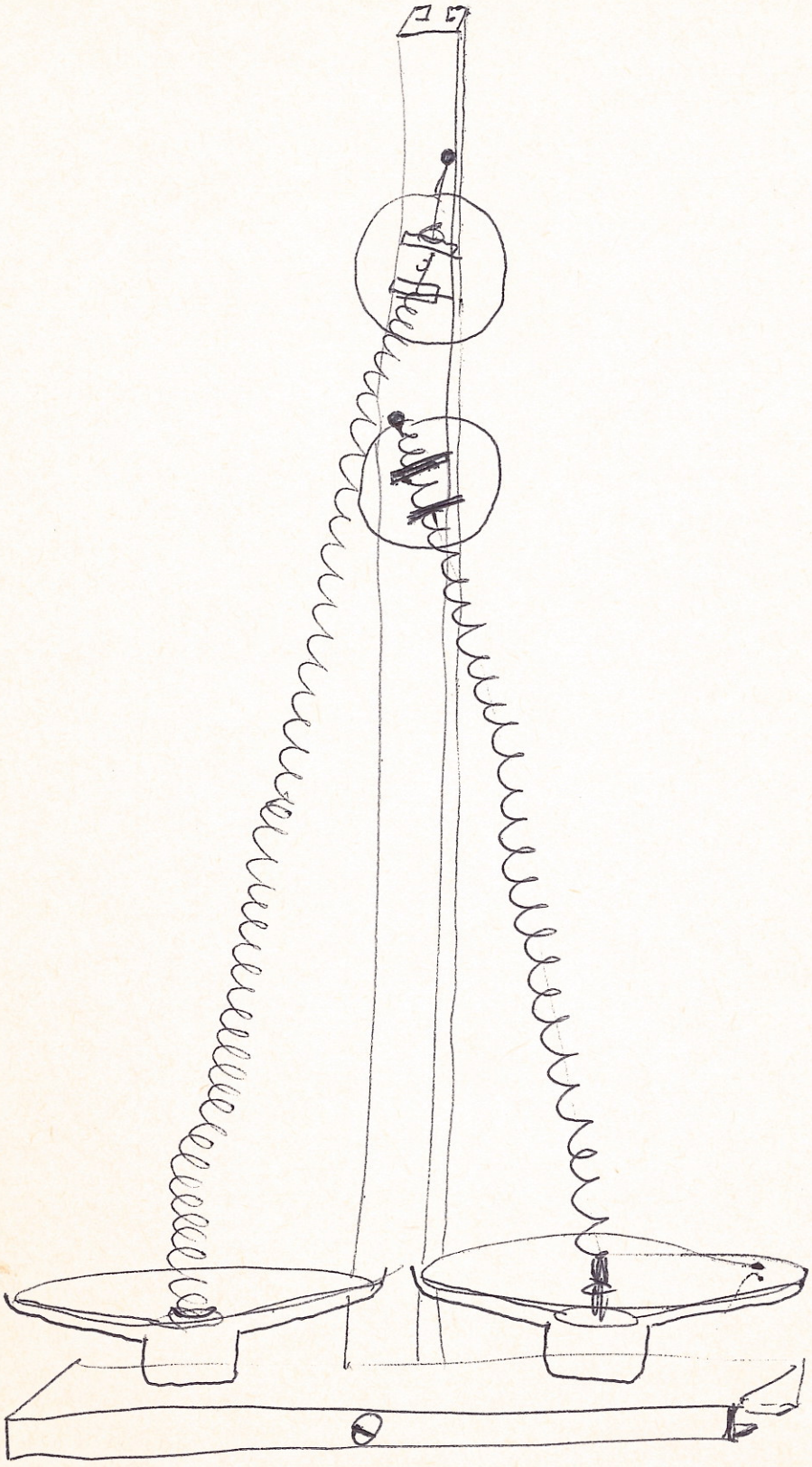
= $3 V_{rms}$

→ V_i = 300 mV max

als A_V = 10

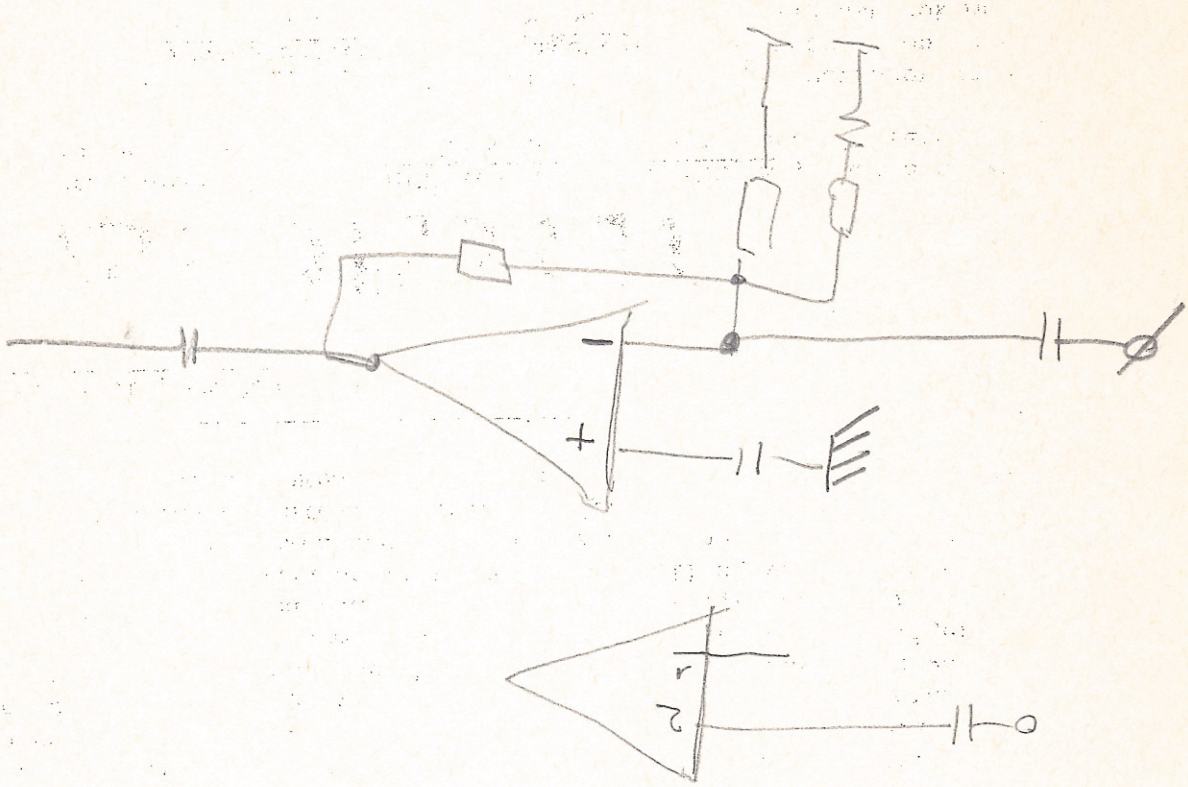

CH II
+
24k
10k
10k
5µ
E
CH I
CH II
24k
0.22
22k
4
5534
CH 2
47
180
1µF.

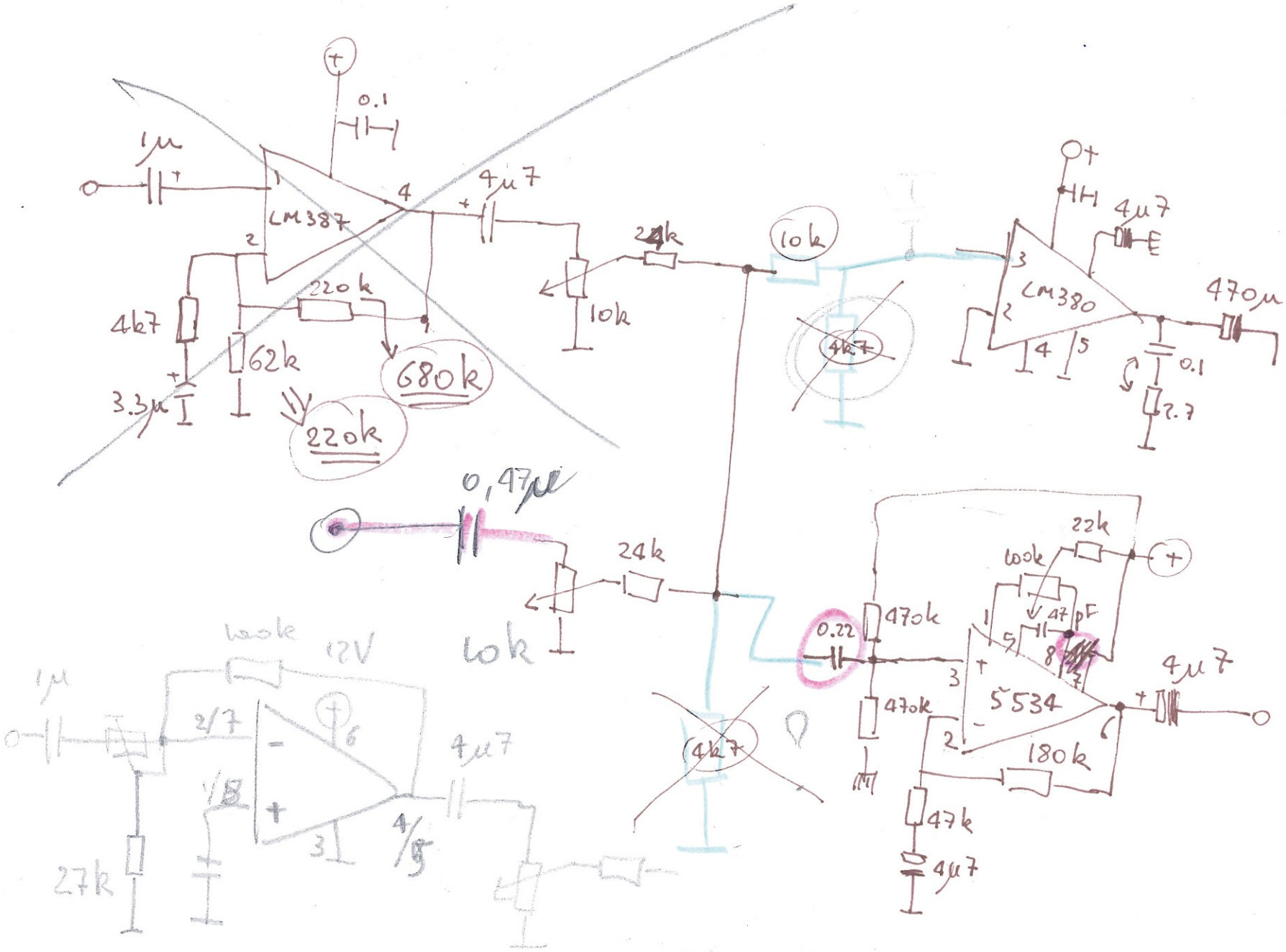

10 x
3V max
380
1X



Bergisch Brandenburgische -

Elektr. - Akt. - Ges.

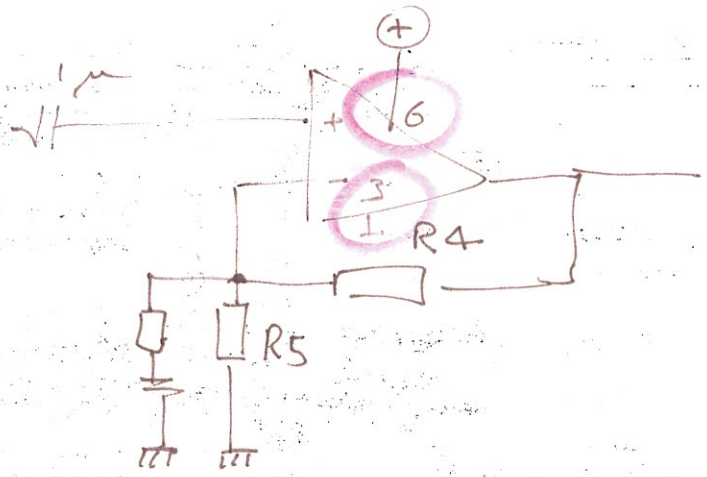



1µ
0.1
LM387
4µ7
24k
10k
10k
4k7
220k
4k7
62k
680k
3.3µ
220k
LM380
4µ7
470µ
0.1
2.7
0,47µ
24k
10k
22k
100k
12V
1µ
2/7
4µ7
1/5
27k
4k7
0.22
470k
47pF
5534
180k
4µ7
470k
47k
4µ7

IK BEN 1

Gekonfy...

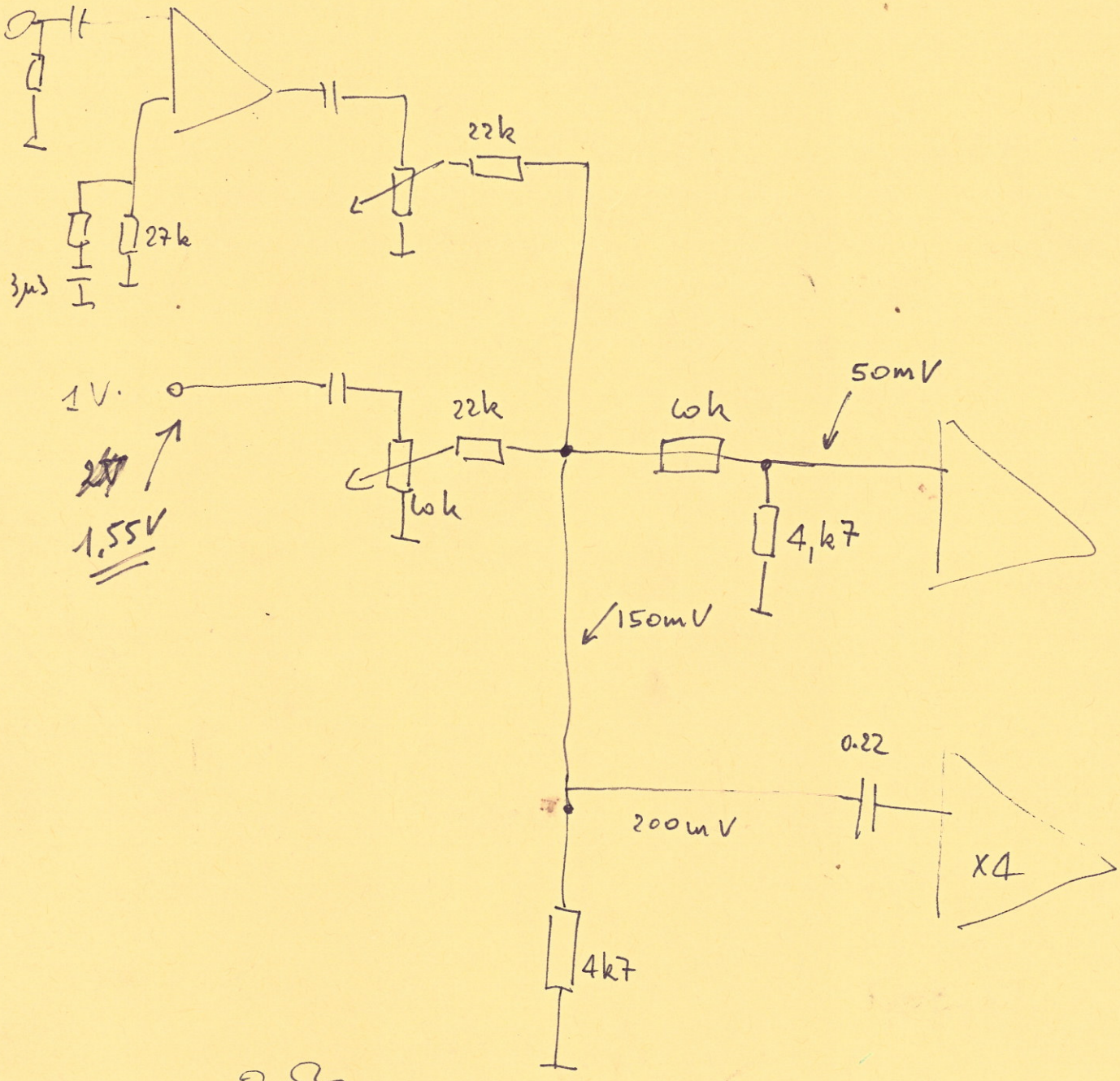
E2EL



$$A_{VDC} = \frac{R4}{R5} + 1$$

$$A_{VAC} = 1 + \frac{R4}{R6}$$

OMPOLEN!



1,55V

1W ~8Ω

$1VA \times 8\frac{V}{A}$ $V^2 = 8$

2,8 5Ω

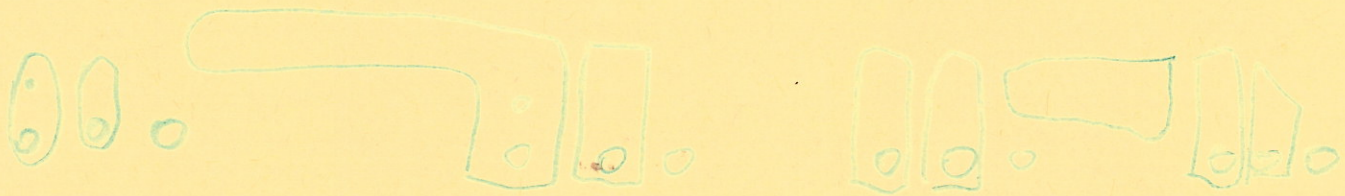
$V = \sqrt{8}$ 2,8V

0,28Ω

0,028Ω

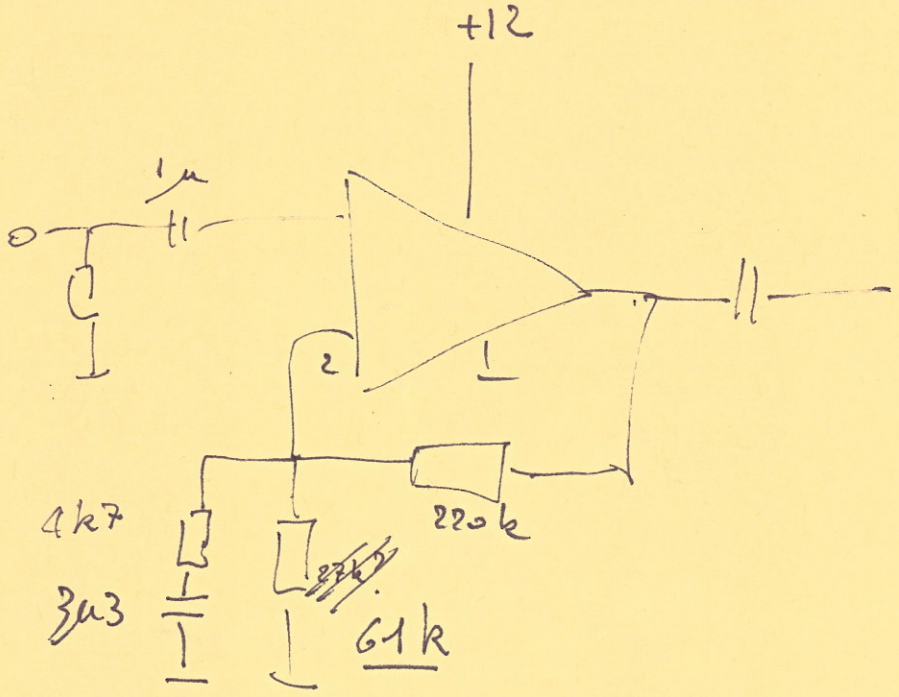
0,05

1/2



2200 | 36
216 | 61,1
40
36
40

k



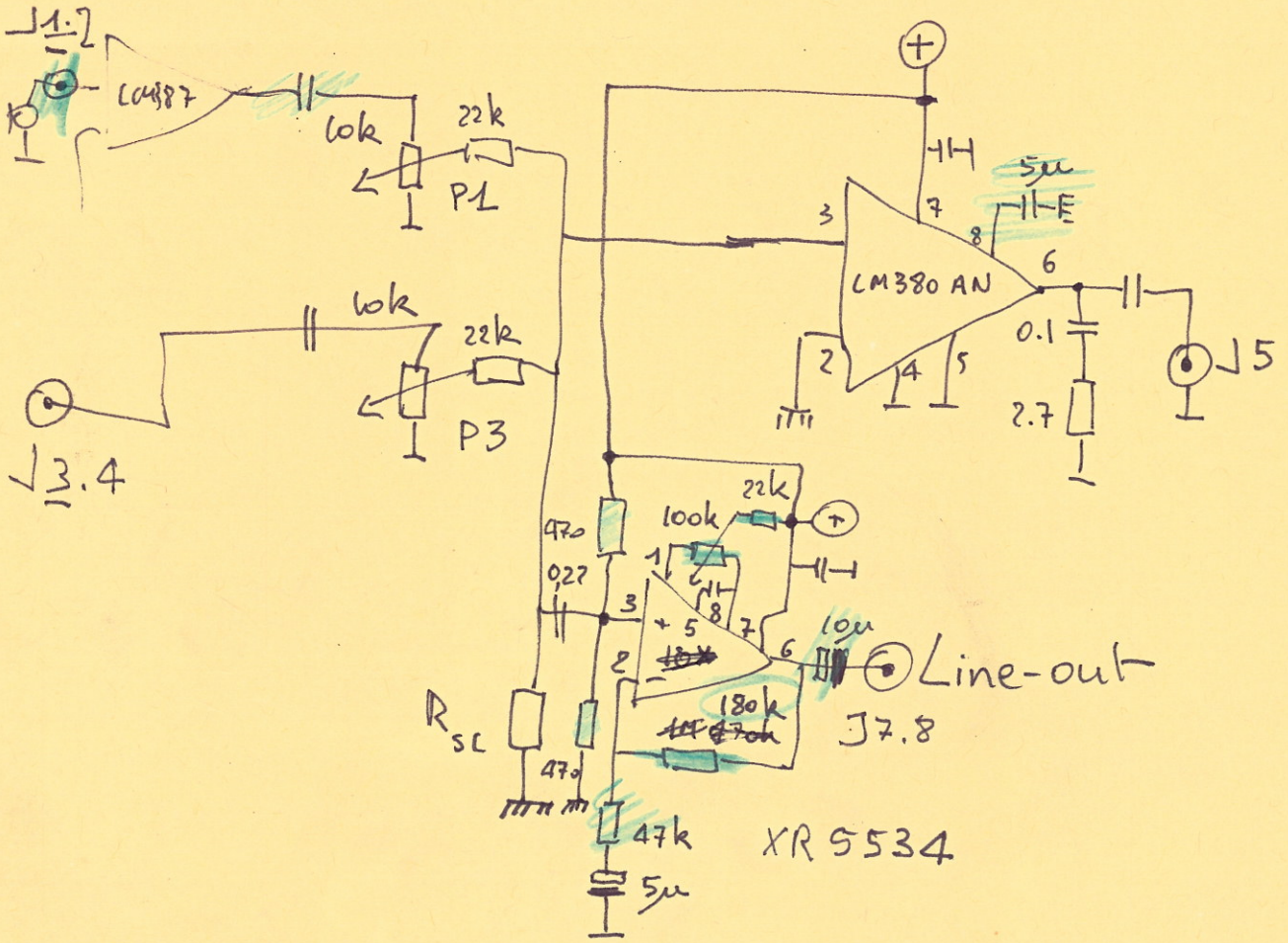
1200 | 2,6
104 | 4,6
160

$$R_4 = 220k = \left(\frac{12}{2,6} - 1\right) R5$$

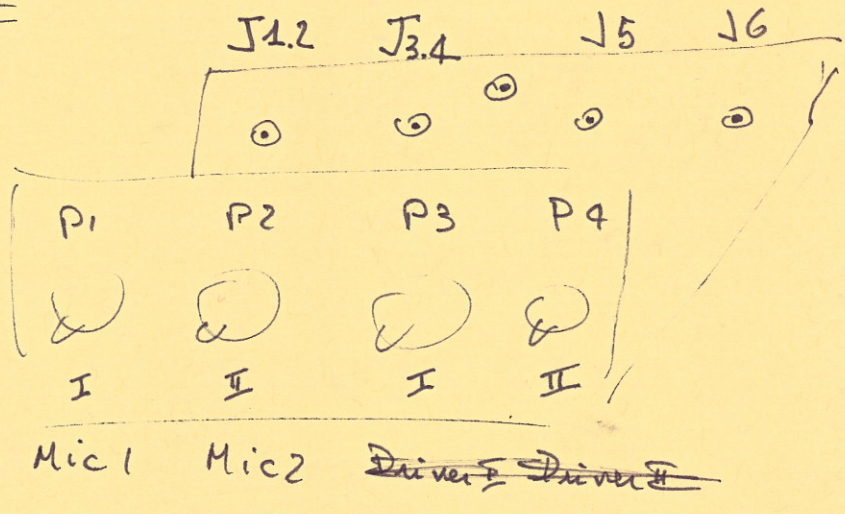
$$3,6\ R5 = 220k$$

$$R5 = \frac{220}{3,6}$$

1 channel only



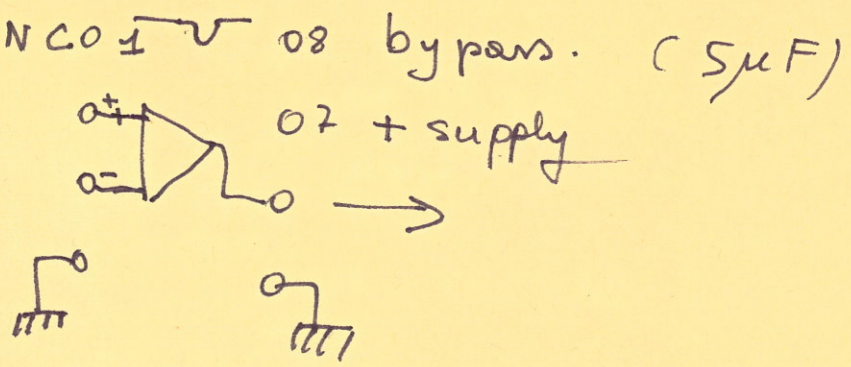
3,8 x



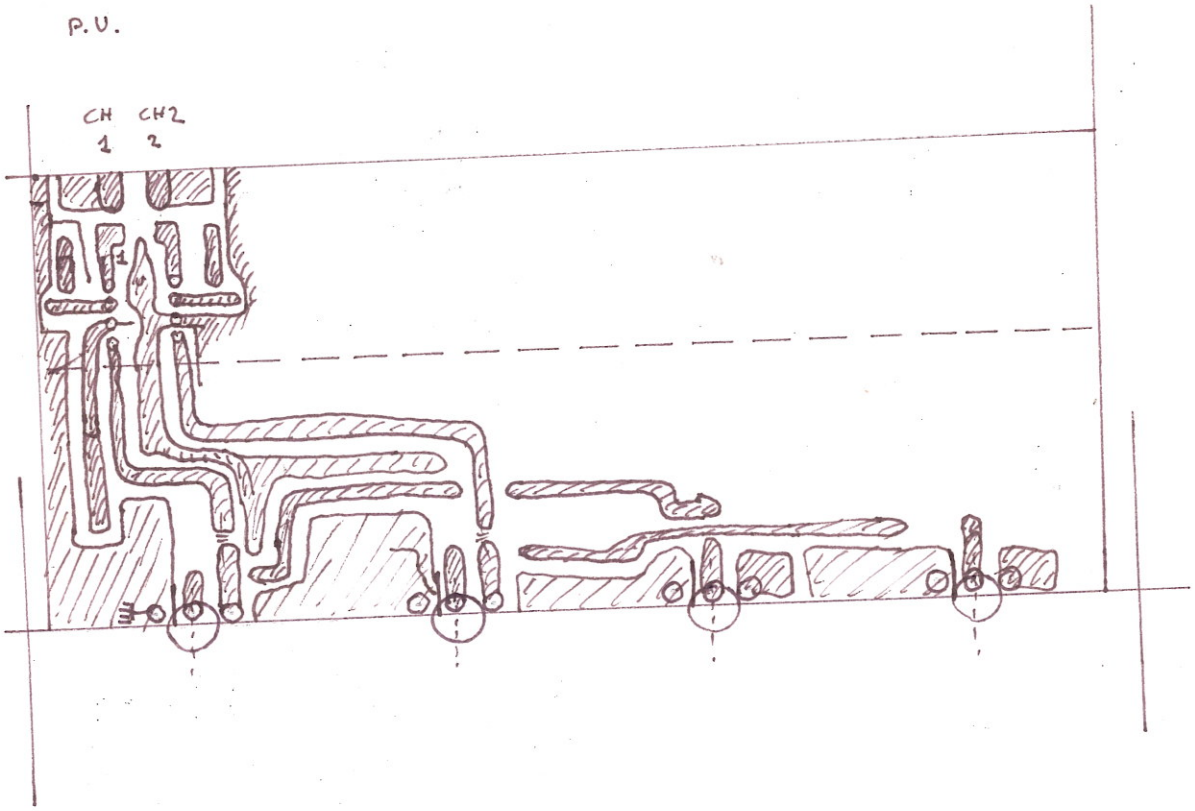
Sign. 1 Sign 2.

24'00

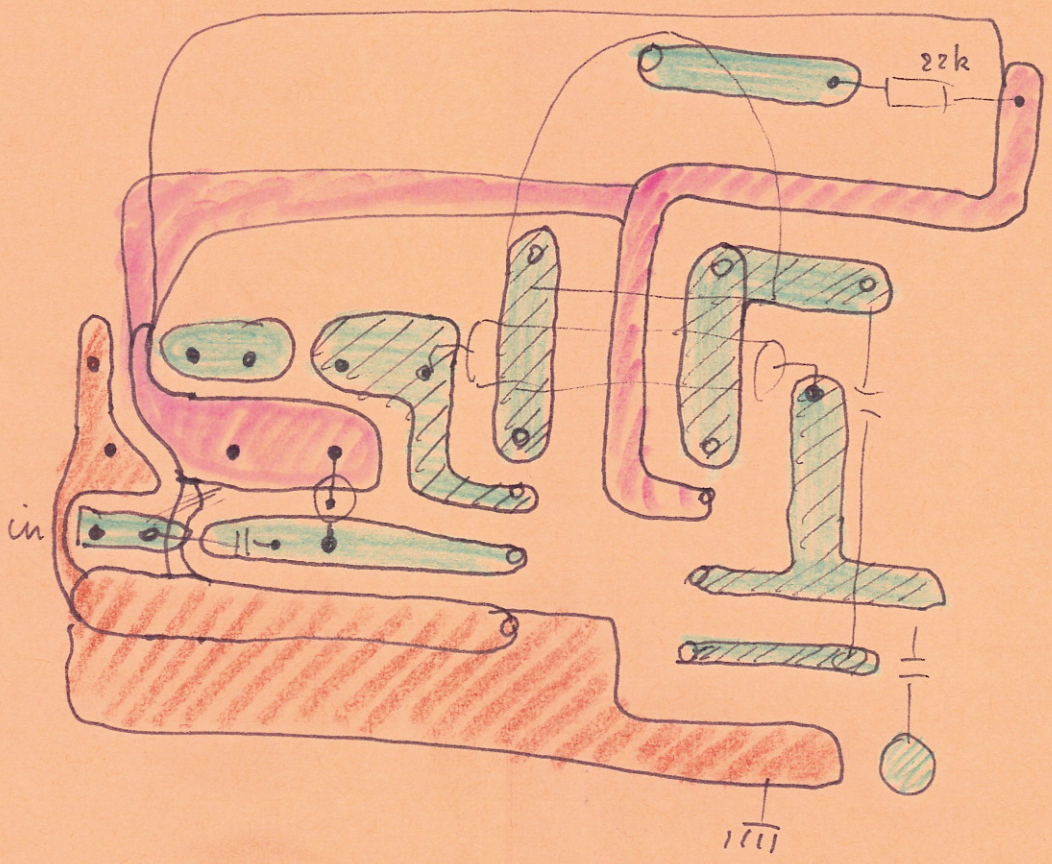
LM 380 N-8.



onderdelen zijde



XR

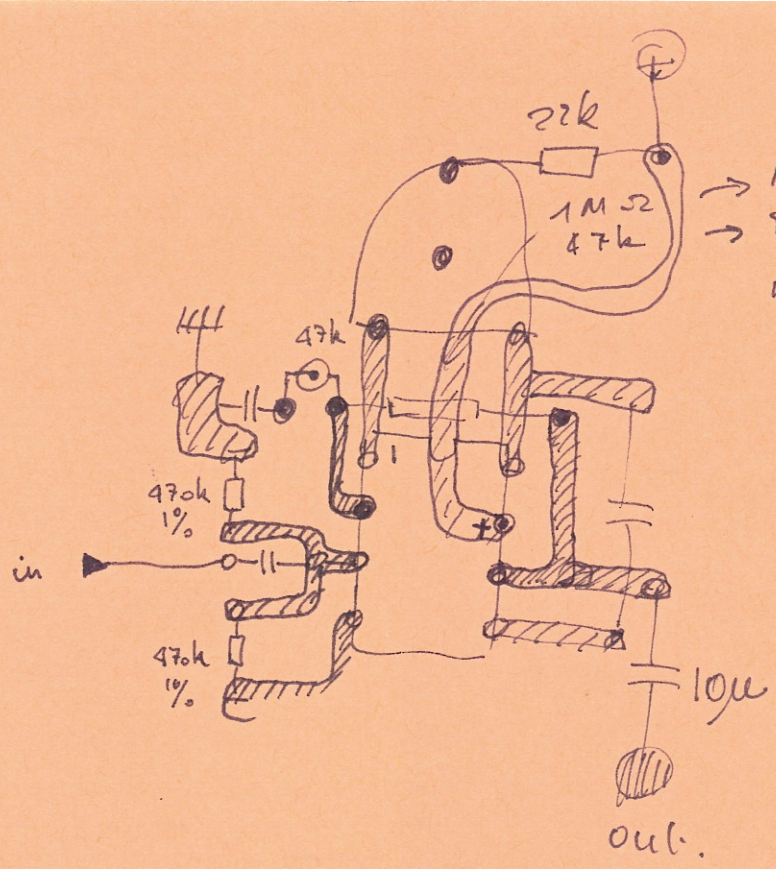


printsporen

massa

printsporen

+12V

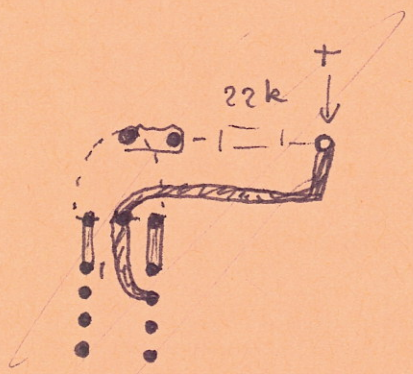


→ $A_v = 21$

→ $A_v = 1$

neem 180k

oben $A_v = \frac{180}{47} = 3{,}8\ x$

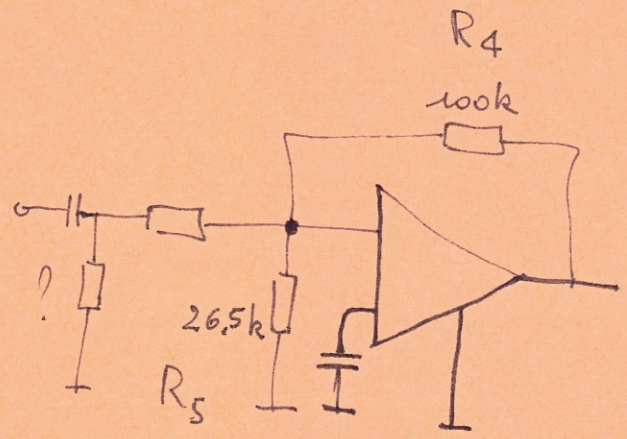


Soundtracker

$$16k = \frac{1}{2\pi f_2 \, C4}$$

$$C4 = 0{,}003\mu = \frac{1}{2\pi f_1 R_4} \qquad f_1 = \sim 50 Hz$$

$$\hookrightarrow R_4 = 1{,}1 M\Omega$$



$$A_{VPC} = -\frac{R_4}{R_5} > 10$$

$$A_{VAC} = -\frac{R4}{R_6}$$

alleen mogelijk als U_s = 24 Volt!

$$R_4 = 100\,k\Omega = \left(\frac{12}{2{,}6} - 1\right) R5$$

$$100\,k\Omega = 3{,}6\ R5$$

$$R_5 = \frac{100.000}{3{,}6}$$

1.00.0000 | 36 = 26.500

72
280
252
180
180.

216
36
252

$R4 = 105$

120 | 26 = 4,6

104
160
156

$3{,}6 \cdot 10^4$

36.

$\frac{x}{2{,}6} - 1 = 10$

$\frac{x}{2{,}6} = 9$

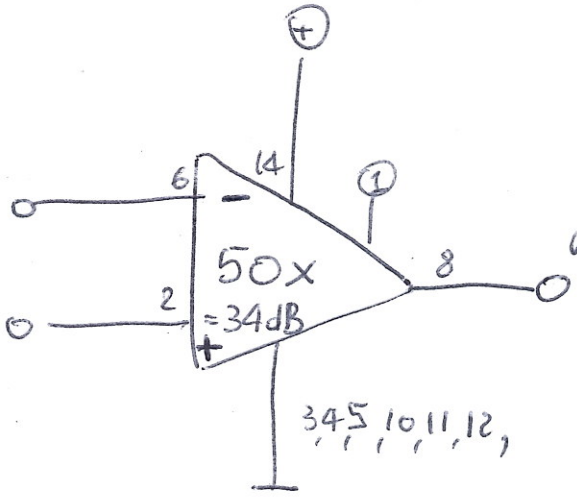
$R_4 = 3{,}6\ R_5$

$x = 9 \times 2{,}6$

$\therefore$ 2,6
9

23,4 $\Rightarrow$ 24 Volt!!

9 V.



100 kHz - 2W → 8 Ω

2,8 V max.

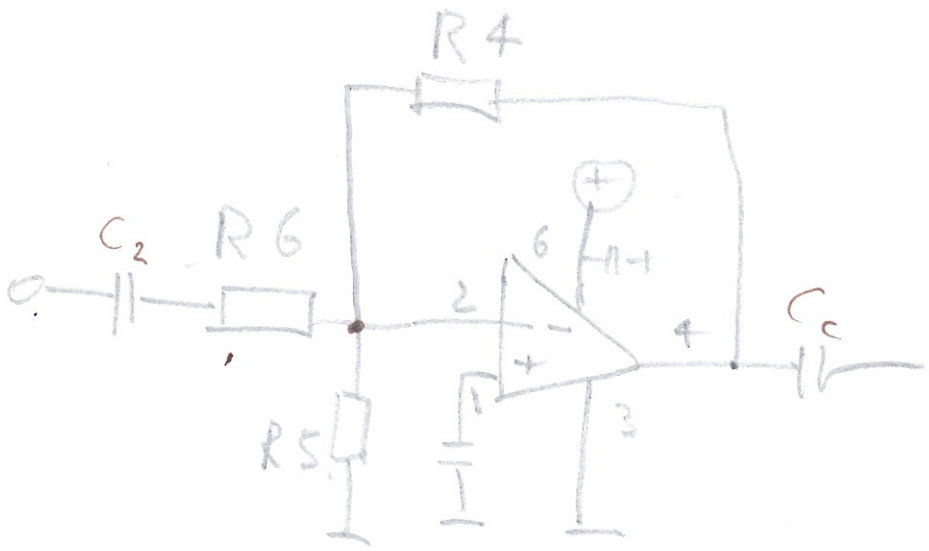
8 Ω / 1W max.

$U_i = \underline{56\,mV}$

$1 : VA \quad - \quad 8 = \frac{V}{A}.$

$8 = V^2 \Rightarrow V = \underline{2,8\,V}$

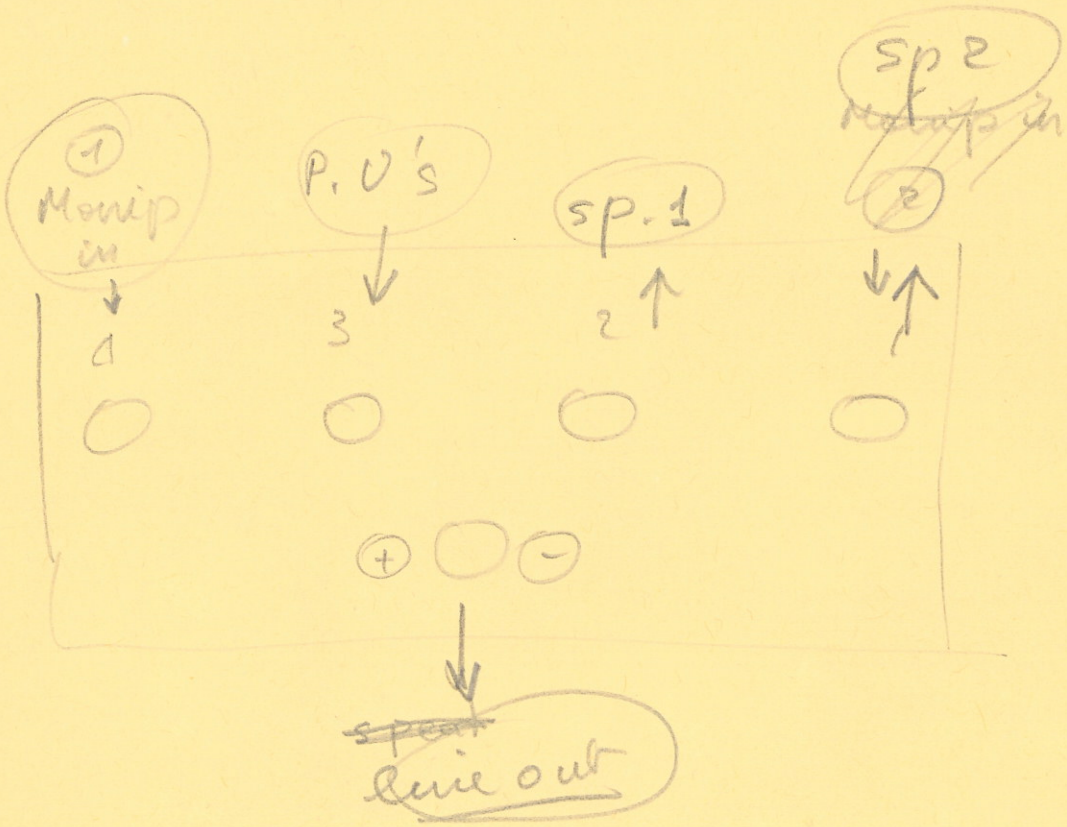
LM 387

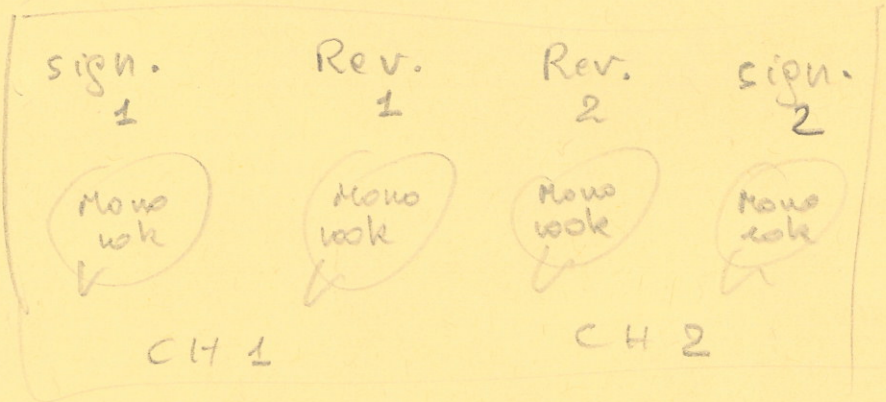


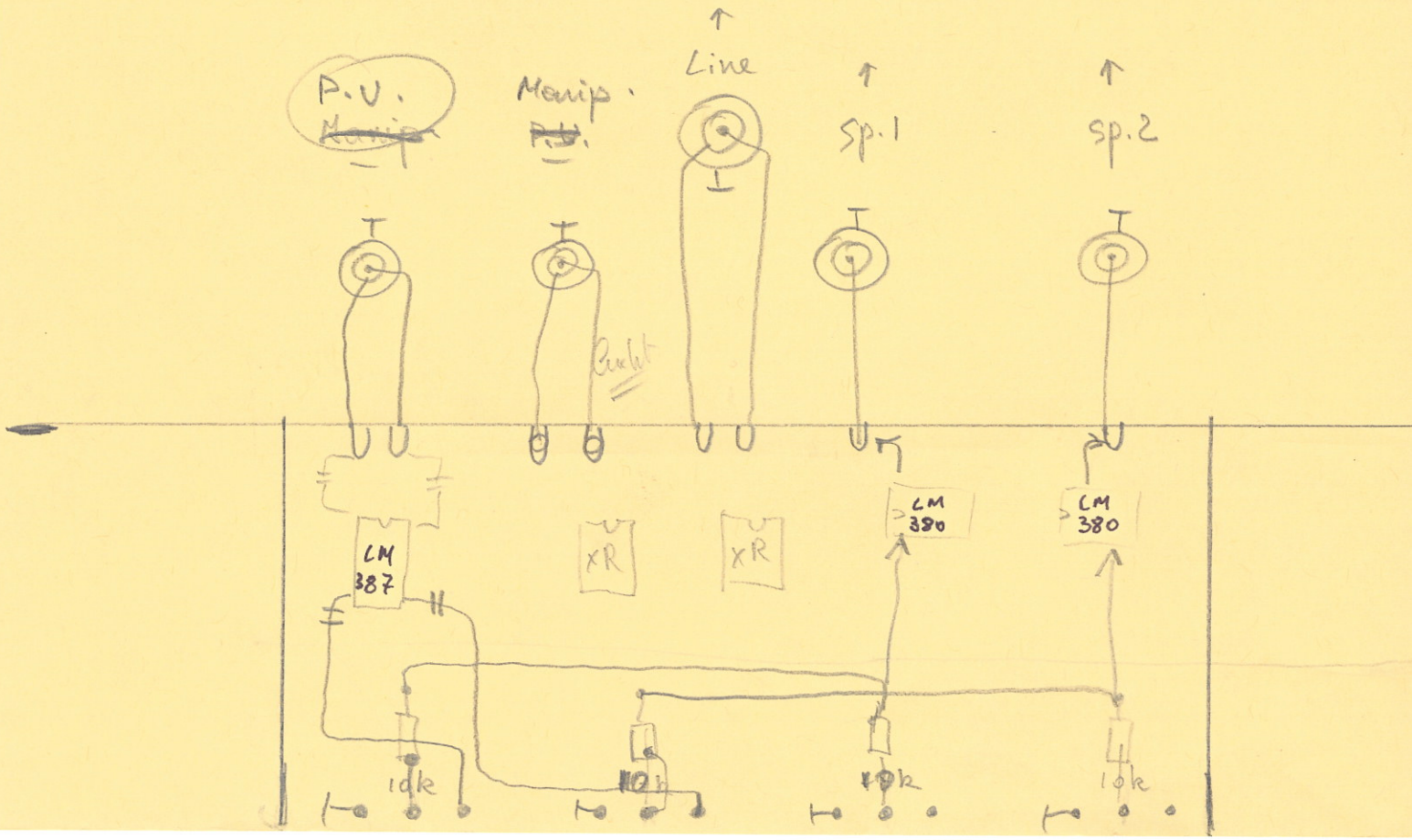
§2.8. $A_V \geq 10$

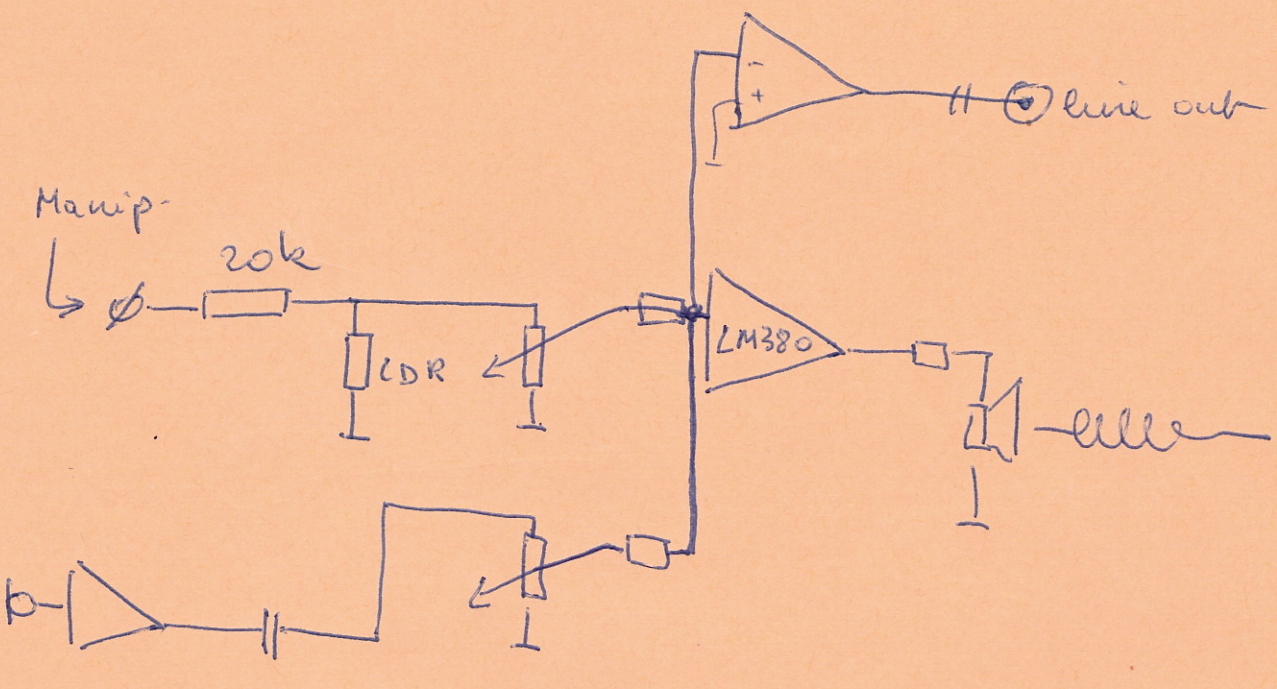
Berekening

1. $R_{in} = R_6$ vb. 20kΩ
2. $R_4 = \left(\frac{V_s}{2,6} - 1\right) R_5$ → $R_4 = \left(\frac{12}{2,6} - 1\right) 10^4 = 36\,k\Omega$
3. $R_5 = 240k\Omega$ maximum! ↳ stel = 10k
4. $A_{VAC} = -\frac{R_4}{R_6}$ kies: $\frac{100}{10} = 10\times$
5. $C_2 = \frac{1}{2\pi f_0 R_6}$
6. $C_c = \frac{1}{2\pi f_0 R_L}$


sp 2
Monip in
P. V's
sp. 1
1
3
2
+
-
Quit out


sign. 1
Rev. 1
Rev. 2
sign. 2
Mono lock
Mono lock
Mono lock
Mono lock
CH 1
CH 2


P.U.
Manip.
Line
Sp.1
Sp.2
LM 387
XR
XR
LM 380
LM 380
10k
10k
10k
10k



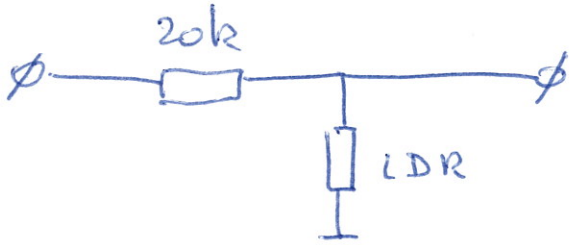
1 stereo ingang : signaal ingang

1 stereo ingang : magn. P.U.

2 Mono-line uitgangen

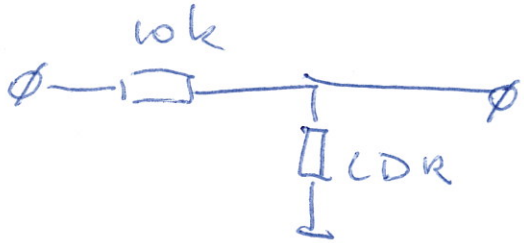
2 speaker uitgangen

1 voedings ingang

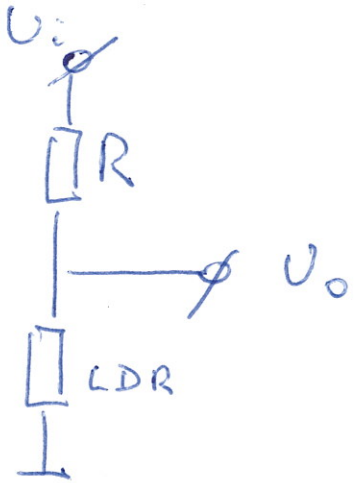


$\Delta I = 40 dB$

als LDR = 200 Ω



$\Delta I = 34 dB$



$$\frac{V_i}{V_o} = \frac{R + LDR}{LDR}$$

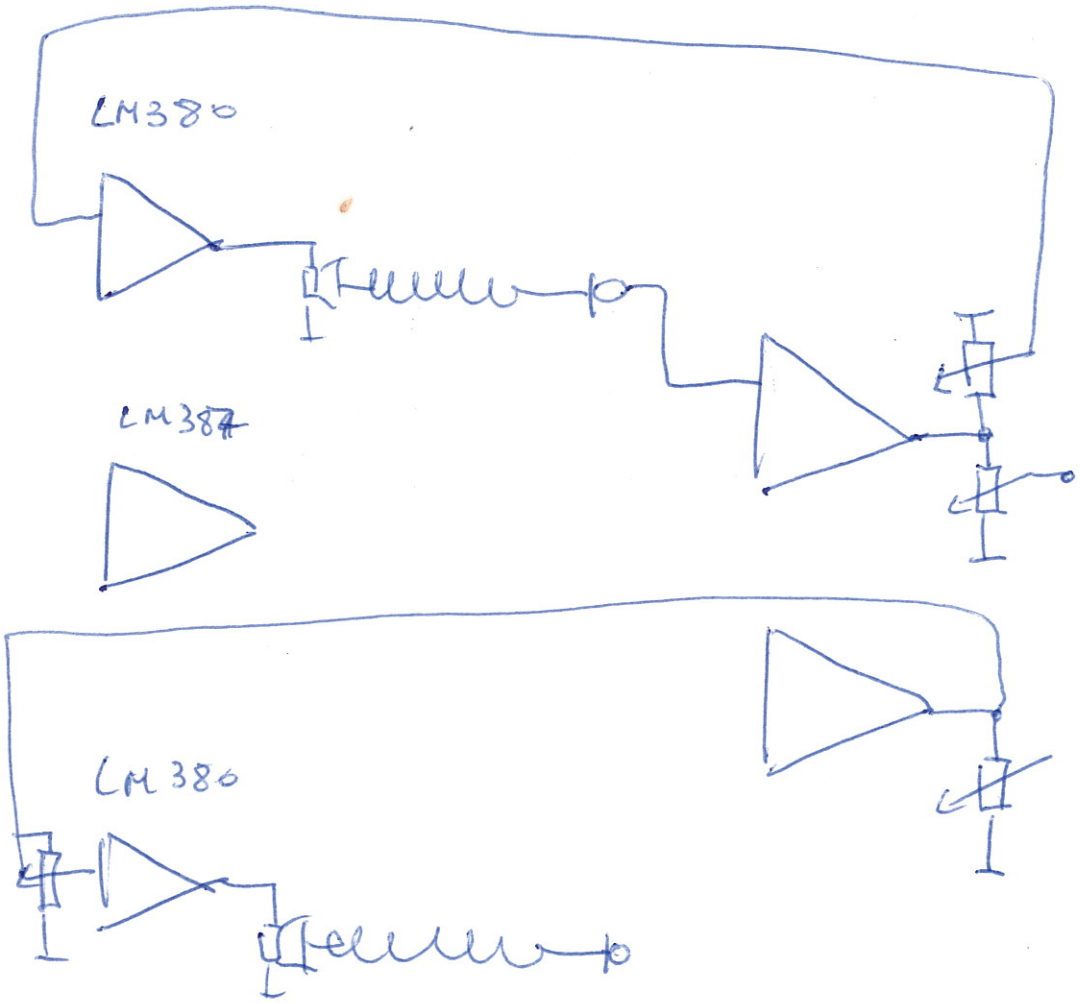
$$V_o(R + LDR) = V_i\, LDR$$

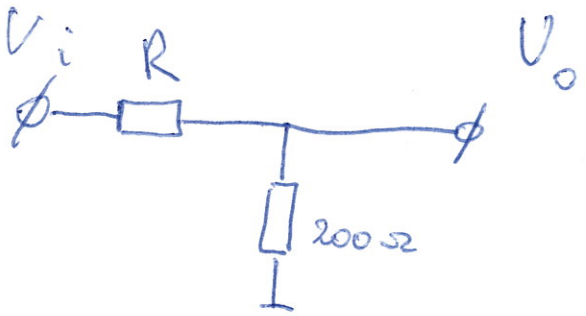
40 dB $\Rightarrow$ $R + 200 = 100 \times 200$

$= 20{,}000$

$R = 20.000 - 200$

$= 20k\Omega$


LM380
LM380



40dB

$$\frac{V_i}{V_o} = \frac{R + R_{LDR}}{R_{LDR}} \qquad \frac{1}{100} = \frac{R + 200}{200}$$

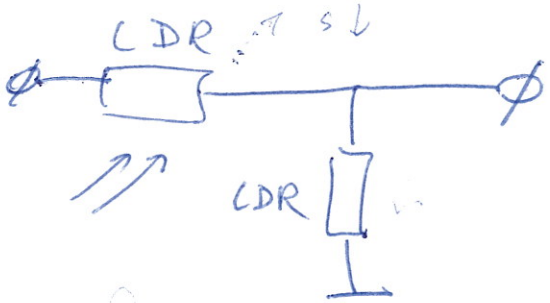
$$100R + 20000 = 200$$

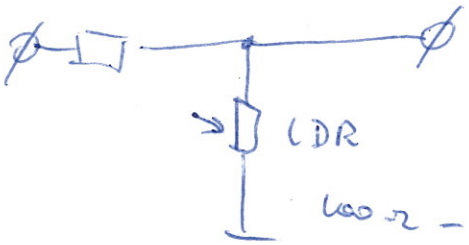
$$100R = \frac{200 - 20000}{200}$$

$$R = \frac{200 - 20.000}{100}$$

$$= 200\Omega - 20\Omega$$

auto-bromschad.





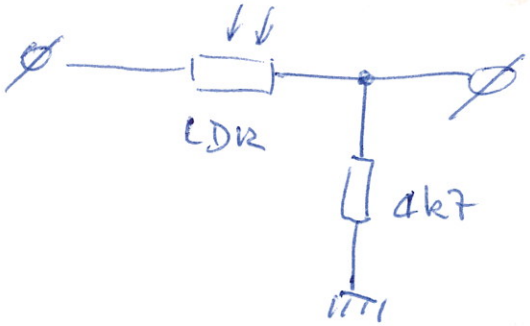
75 - 300 Ω

à

10 MΩ

Licht = 0

Donker (weerstand op) = max.



Licht = max

Donker = Min.