

$$R_3 = 1,2131 \text{ k}\Omega \rightarrow 10479 \text{ k}\Omega$$

$$R_1 = 100,67 \text{ k}\Omega$$

$$R_4 = 6,754 \text{ k}\Omega$$

in	out		
0	0.037 V		
4085	3.486 V		
0	0.072	3020	2.436
215	0.240	3230	2.600
430	0.408	3450	2.772
645	0.577	3665	2.840
860	0.745	3880	3.108
1080	0.817	4095	3.278
1300	1.080		
1510	1.254		
1725	1.422		
1940	1.590		
2155	1.760		
2370	1.927		
2585	2.095		
2800	2.263		
n	(V)	n	(V)

CONV

ADC

MNC57M020

0	38 30	0.04	0.0758
215	32	0.031	0.244
430	48 26	0.02	0.472
645	48 48	0.04	0.331
860	226	0.18	0.748
1080	441	0.36	0.821
1300	655	0.53	1.083
1510	860	0.68	1.257
1725	1076	0.87	1.426
1940	1282	1.03	1.584
2153	1492	1.20	1.762
2370	1688	1.37	1.930
2585	1814	1.54	2.098
2800	2134	1.72	2.267
3020	2351	1.88	2.438
3230	2547	2.05	2.602
3450	2768	2.23	2.774
3665	2877	2.40	2.942
3880	3181	2.57	3.111
4085	3407	2.75	3.280

	CONV	ADC	MULTIPLIER
215	297	0.24	0.541
430	439	0.35	0.655
645	583	0.47	0.770
860	718	0.58	0.884
1080	867	0.70	0.999
1300	1018	0.82	1.116
1510	1158	0.93	1.233
1725	1304	1.05	1.366
1940	1446	1.17	1.460
2153	1592	1.28	1.575
2370	1738	1.40	1.690
2585	1886	1.52	1.804
2800	2023	1.63	1.918
3020	2169	1.75	2.033
3230	2315	1.87	2.150
3450	2460	1.98	2.262
3665	2606	2.10	2.379
3880	2750	2.22	2.494
4085	2896	2.33	2.608
	3036	2.45	2.723

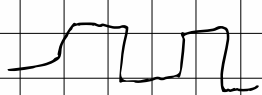


Parte 3

Per fare 200 conteggi ci ho messo $969 \mu s$
600 $2772 \mu s$
1000 $1595 \mu s$

$$\frac{200}{969 \cdot 10^{-6}} = 210748 \text{ Hz}$$

$$\frac{1000}{1595 \cdot 10^{-6}} = 217628 \text{ Hz}$$

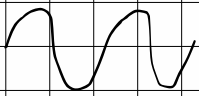
Mando un'  con $f = 937.6 \text{ Hz}$
 $\Delta V = 1.08 \text{ V}$

100 acquisizioni,
Fot un' acquisizione ogni $100 \mu s$ per
File 1. CSV Durata = 10556

200 acquis., una ogni $10 \mu s$ per File 2. CSV
Durata = 3030

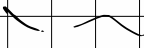
che va di?

C.V.D

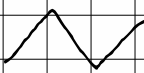
Mando una  $1.04V$ $f = 934Hz$

Acquisisce ogni $100\mu s$, 200 punti

SINE1.CSV Durata: 21063

ogni $500\mu s$ 

SINE2.CSV Durata: 10159

Mando  $1.01V$ $f = 9351Hz$

trien 1.CSV: $100\mu s$, 200 p.t. Durata: 21064

trien 2.CSV: $500\mu s$, 200 p.t. Durata: 10157