

TE051 – Respostas - lista de exercícios 3

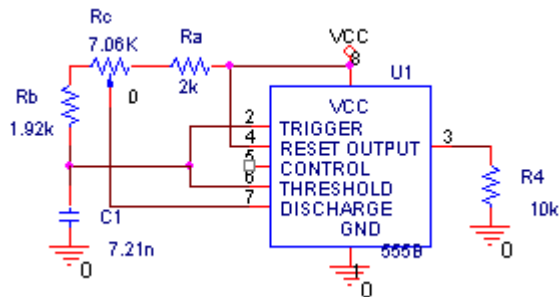
1-

- a) $V_c = 2,63 \text{ V}$
- b) $V_c = 0,459 \text{ V}$

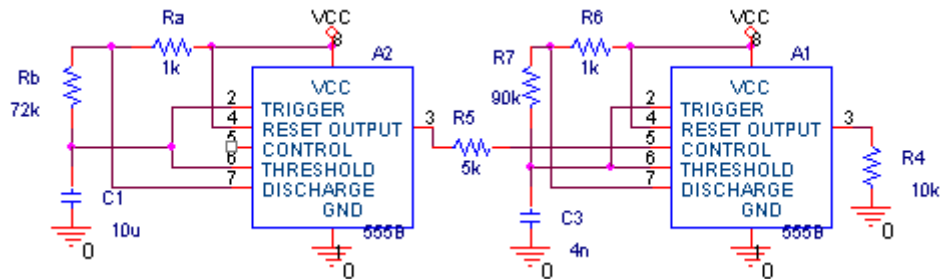
2-

- a) $f = 2,42 \text{ kHz}$ ($RC = 1,1 \text{ ms}$)
- b) $f = 22,7 \text{ kHz}$
- c) $RC = 5,71 \cdot 10^{-6} \text{ s}$
- d) $f = 79,7 \text{ kHz}$

3-



4-



5-

$$f = \frac{I}{2CV^{+i}}$$

6-

a)

$$V_m = f_i \cdot T_m \cdot V_{sat}^{+i}$$

onde:

f_i : frequência do sinal de entrada

T_m : tempo do pulso do monoestável

b)

