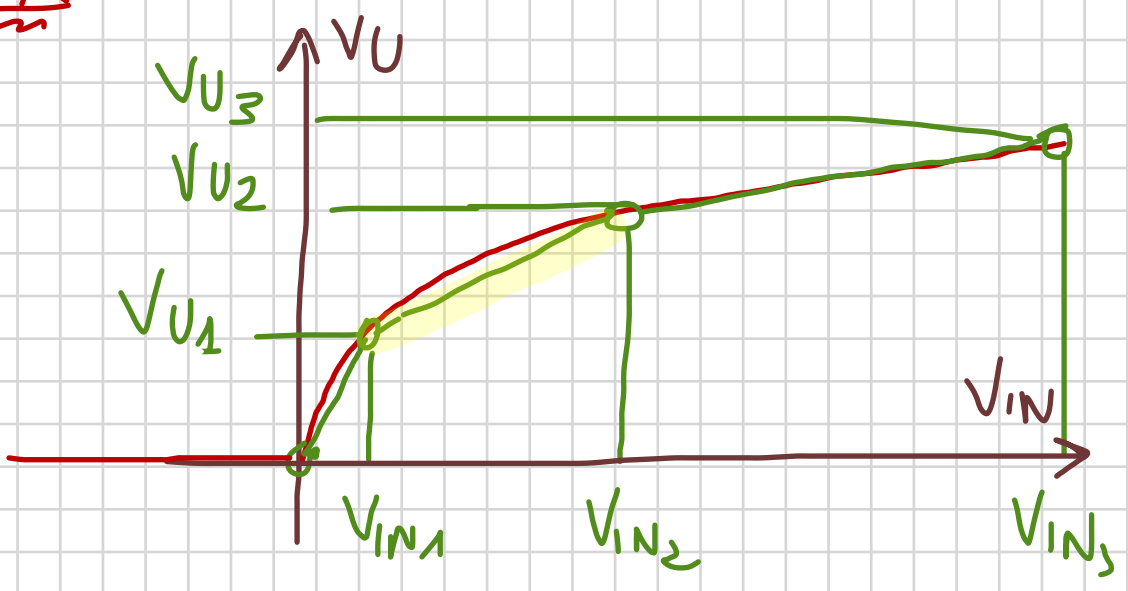


$$\sqrt{U} = \frac{1}{2} \sqrt{V_{IN}}$$

V_{IN}	V_U
1,96	0,7
16	2
36	3
64	4

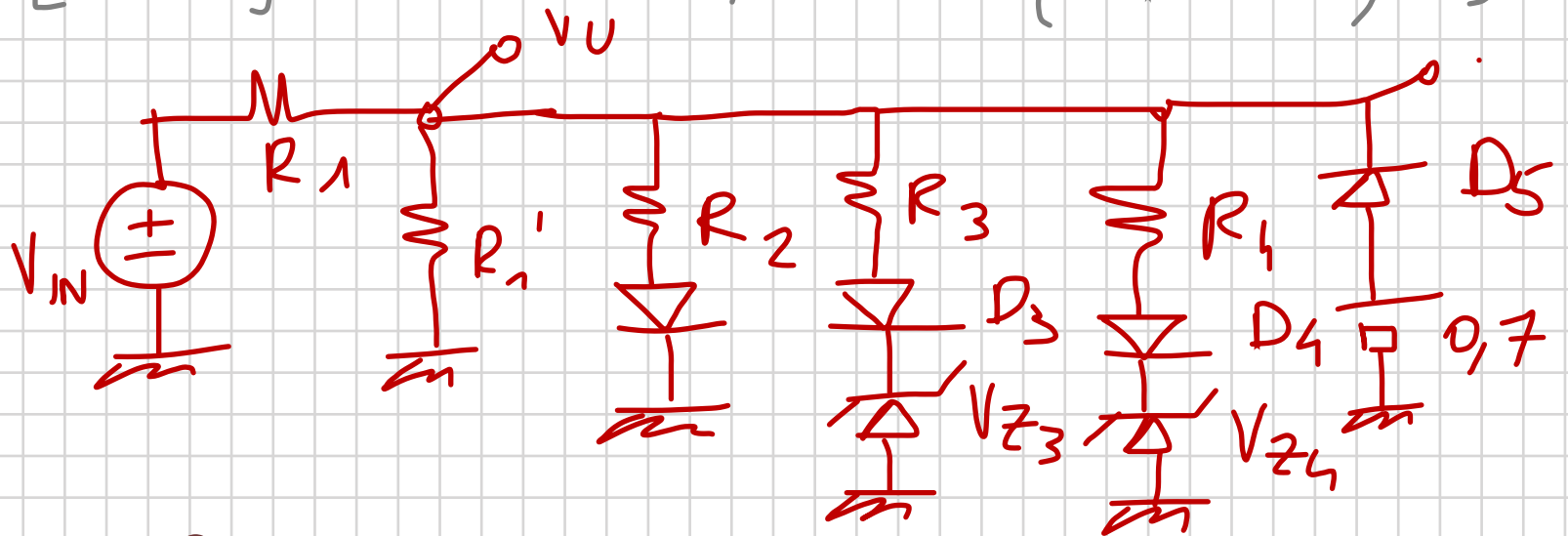


$$[0:0,7]: V_U = m V_{in} \quad m = 0,357$$

$$[0,7:92]: V_U = 92,59 \cdot 10^{-3} (V_{in} - 1,96) + 0,7$$

$$[2:3]: V_U = 50 \cdot 10^{-3} (V_{in} - 16) + 2$$

$$[3:4]: V_U = 35,71 \cdot 10^{-3} (V_{in} - 36) + 3$$



$$R_1 = 10k\Omega$$

$$\frac{R_1'}{R_1' + R_1} = 0,357 = m$$

$$R_1' = \frac{m R_1}{1 - m} = 5552,1 k\Omega$$

$$\frac{R_2 // R_1'}{R_2 // R_1' + R_1} = 92,59 \cdot 10^{-3} = m_2$$

$$\frac{R_2 R_1'}{R_2 + R_1'} = m_2 R_1 + \frac{m_2 R_2 R_1'}{R_2 + R_1'}$$

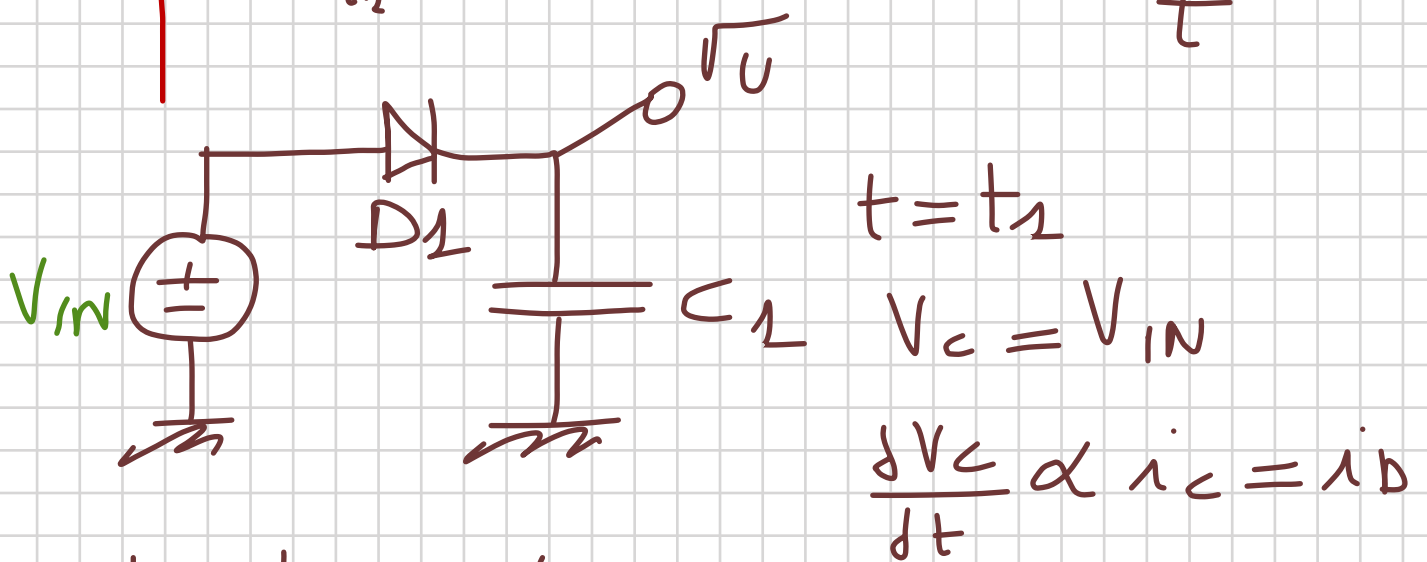
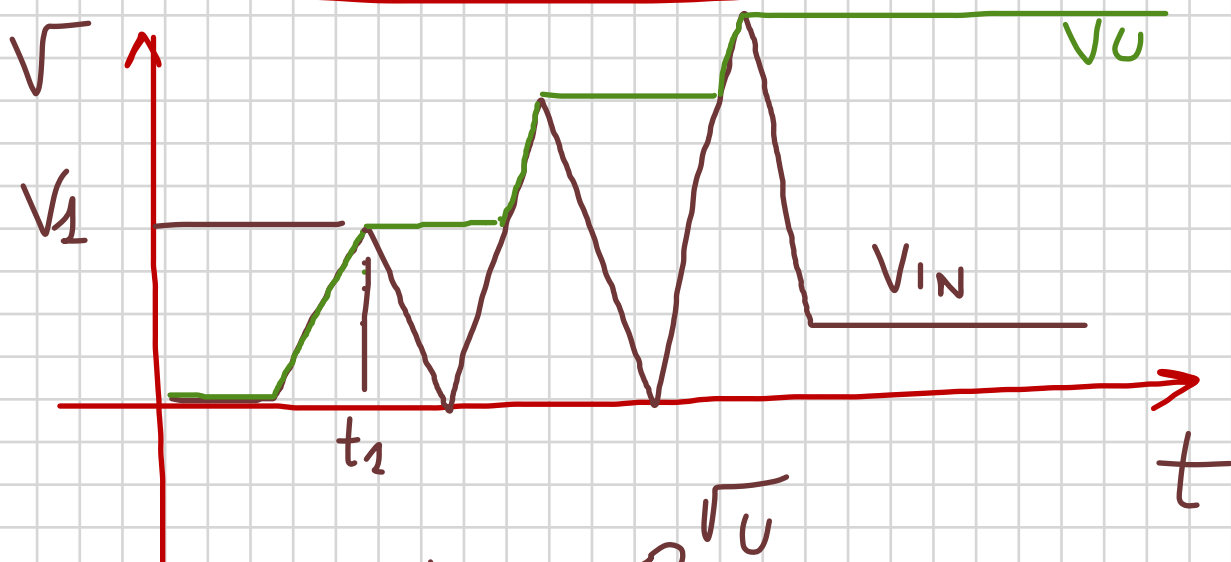
$$R_2 R_1' = m_2 R_1 (R_1' + R_2) + m_2 R_2 R_1'$$

$$R_2 (R_1' - m_2 R_1' - m_2 R_1) = m_2 R_1 R_1'$$

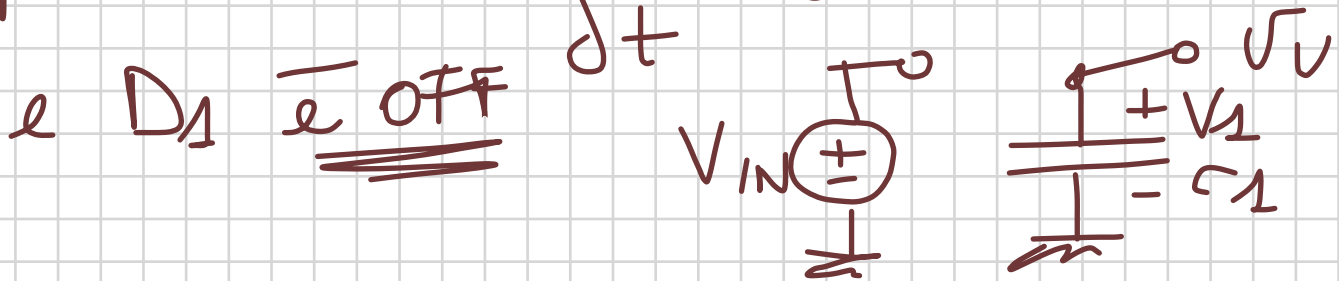
$$R_2 = \frac{m_2 R_1 R_1'}{R_1' - m_2 R_1' - m_2 R_1} = 1,25 \text{ k}\Omega$$

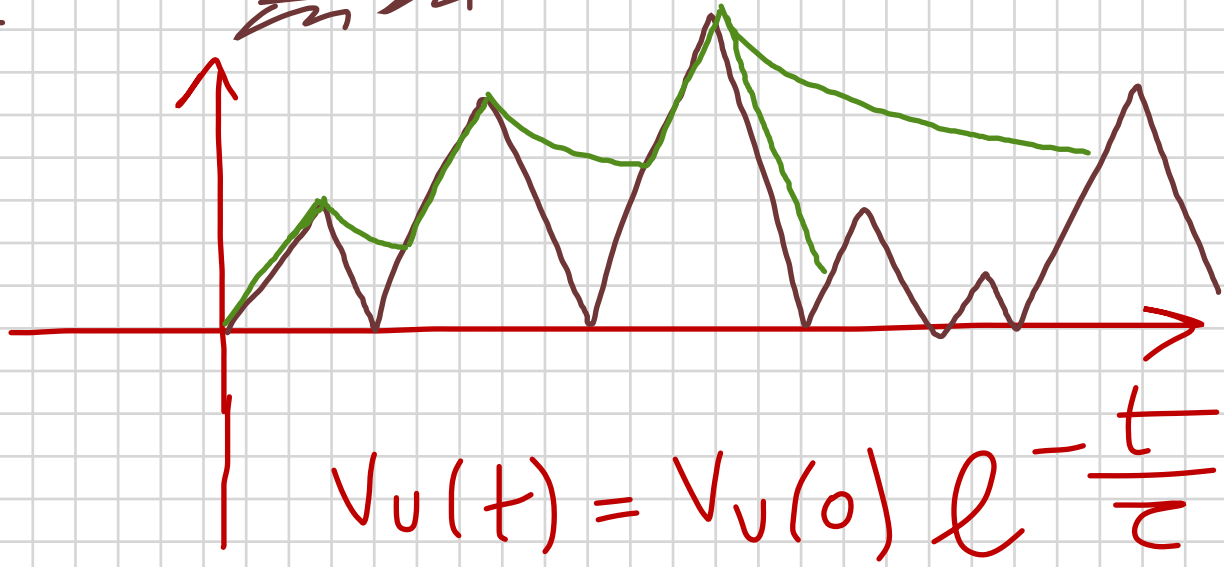
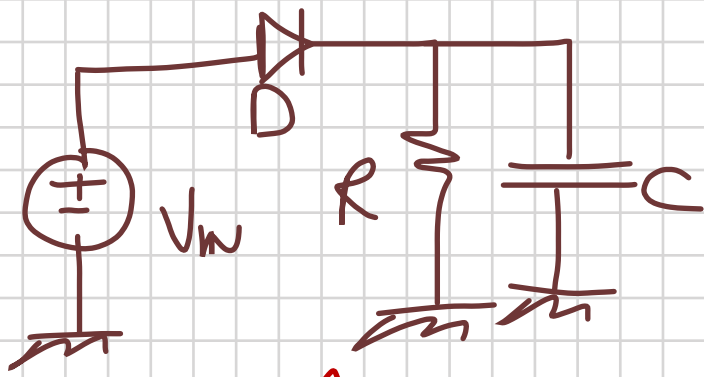
$$\bar{V}_U = 2V \Rightarrow P_3 \bar{e} \text{ ON}$$

$$\bar{V}_U = V_\gamma + V_{z_3} \Rightarrow V_{z_3} = \bar{V}_U - V_\gamma = 1,3V$$



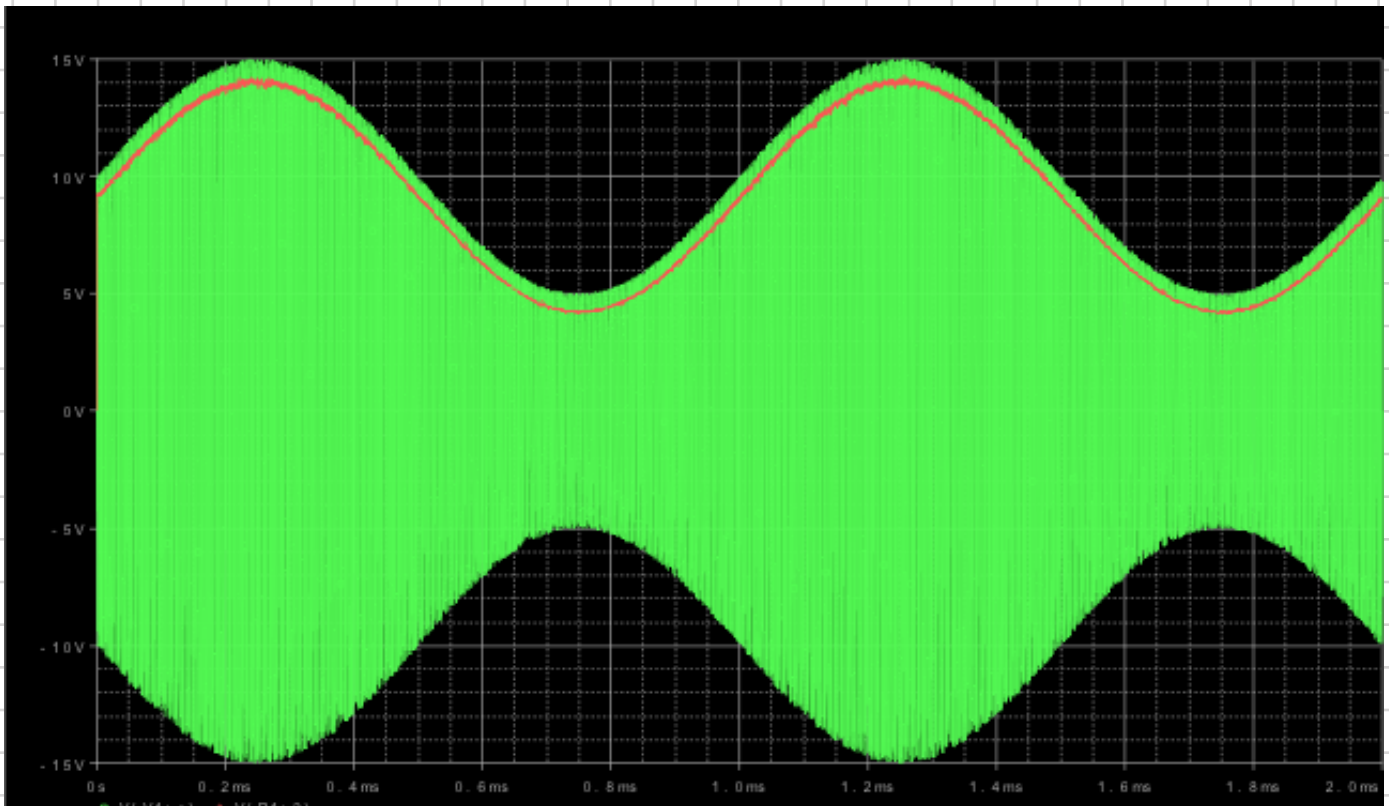
per $t > t_1$ $\frac{dV_C}{dt} < 0 \Rightarrow i_D < 0$



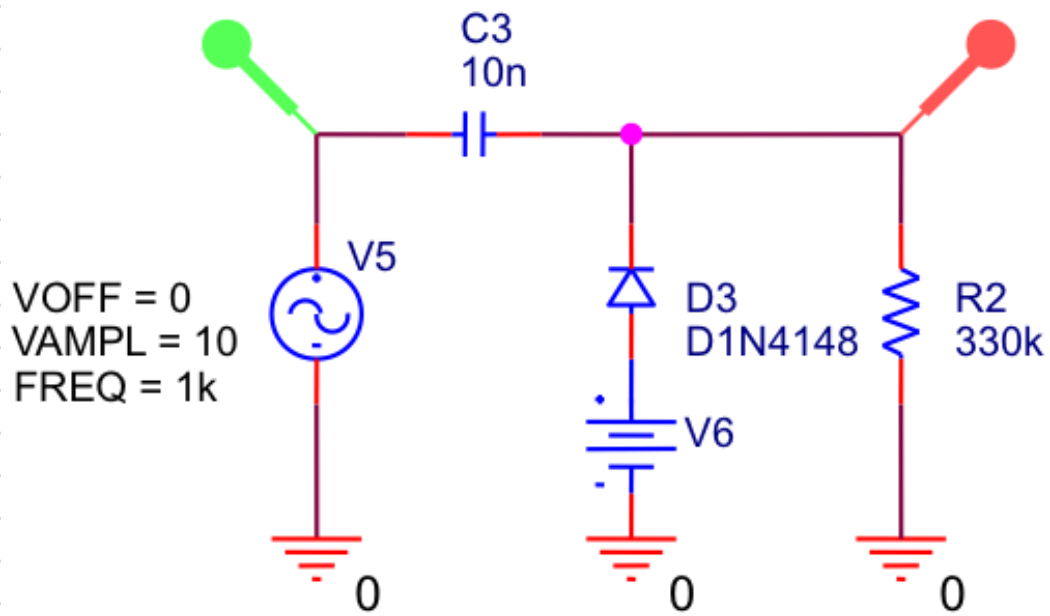


$$\tau = RC$$

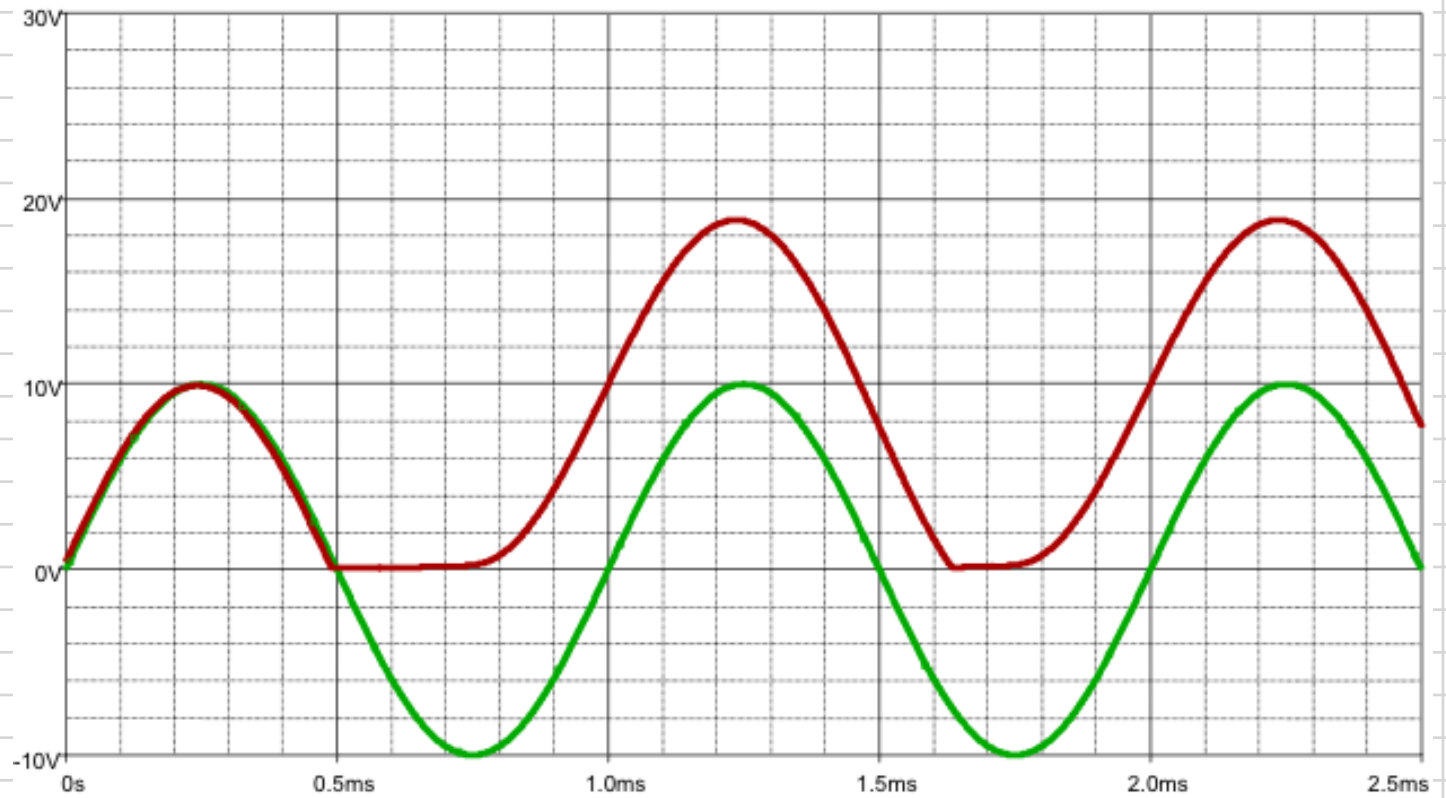
$$V_{IN} = [1 + M_m(t)] \sin(2\pi f_p t)$$



Fissatore



Fissatore a 0



Misuratore del valore picco-picco

