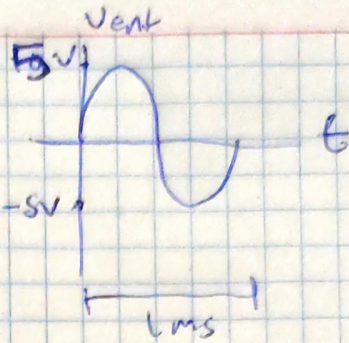
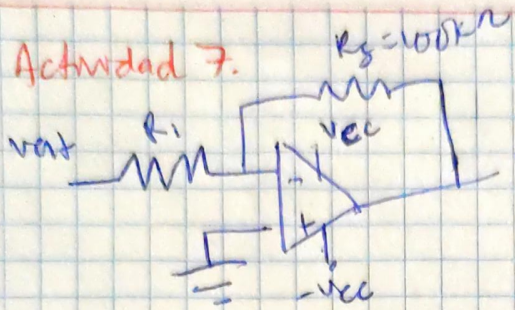


①

Actividad 7.



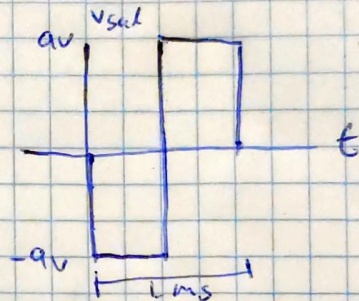
Señal cuadrada \rightarrow Se satura \rightarrow ganancia grande

$$A = -\frac{R_f}{R_i} = -\frac{100k\Omega}{R_i} \quad \text{con } R_i = 1k\Omega$$

$$A = -\frac{100k\Omega}{1k\Omega} = -100$$

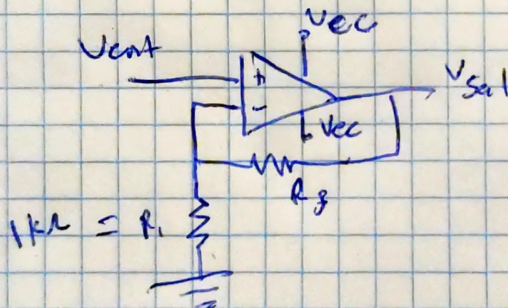
$$+V_{sat} = \frac{-V_{sal}}{2} = \frac{18V}{2} = 9V$$

$$-V_{sat} = \frac{V_{sal}}{2} = \frac{-18V}{2} = -9V$$



$$V_{cc} = \frac{10}{9} V_{sat} = \frac{10}{9} (9V) = +10V \quad V_{cc} = \frac{10}{9} -V_{sat} = \frac{10}{9} (-9V) = -10V$$

②



$$A = 1 + \frac{R_f}{R_i} = 101$$

$$\frac{R_f}{R_i} = 100 \Rightarrow R_f = 100R_i = 100(1k\Omega) = 100k\Omega$$

$$+V_{sat} = \frac{V_{sal}}{2} = \frac{9V}{2} = 4.5V$$

$$-V_{sat} = \frac{-V_{sal}}{2} = \frac{-9V}{2} = -4.5V$$

$$V_{cc} = \frac{10}{9} V_{sat} = \frac{10}{9} (4.5V) = 5V$$

$$V_{cc} = \frac{10}{9} (-V_{sat}) = \frac{10}{9} (-4.5V) = -5V$$

