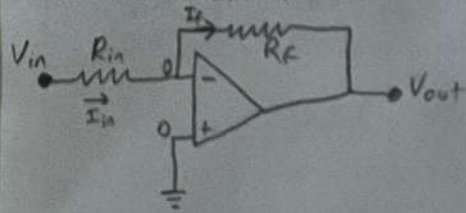


Eviren kuvvetlendirici

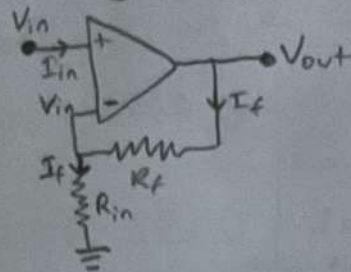


$$I_{in} = I_f$$

$$\frac{V_{in} - 0}{R_{in}} = \frac{0 - V_{out}}{R_f}$$

$$V_{out} = -V_{in} \cdot \frac{R_f}{R_{in}}$$

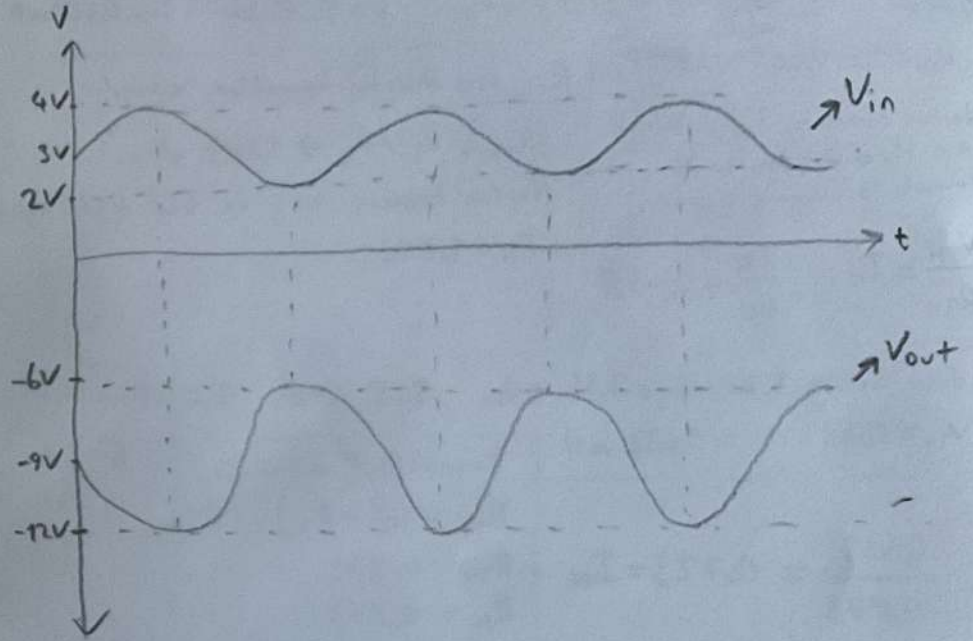
Evirmeyen kuvvetlendirici



$$I_{in} = 0$$

$$\frac{V_{out} - V_{in}}{R_f} = \frac{V_{in}}{R_{in}}$$

$$V_{out} = V_{in} \left(1 + \frac{R_f}{R_{in}} \right)$$



R_f	R_{in}	$V_{out}(V_{ref})$	kazancı
1kΩ	100Ω	-10V ₁	10
	1kΩ	-V ₁	1
	5kΩ	-0,2V ₁	0,2
	10kΩ	-0,1V ₁	0,1

