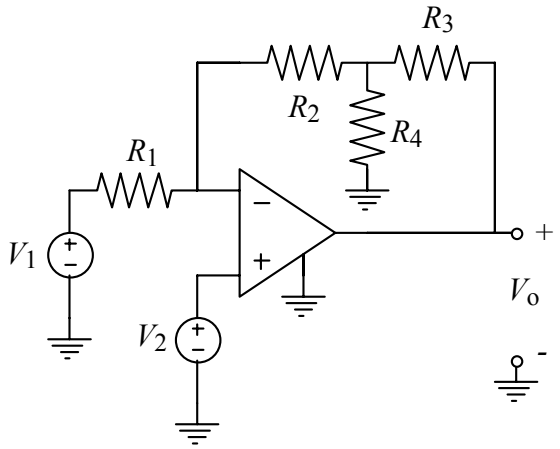
Esercizio 1.1)

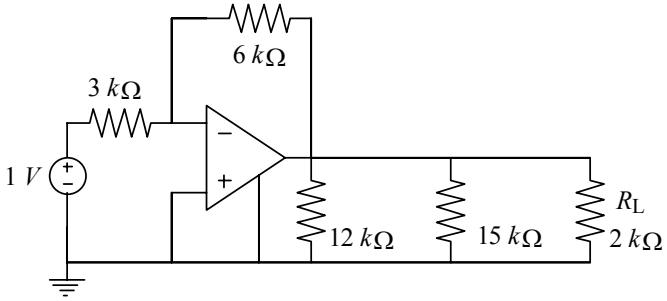
Determinare V_o.



$$[V_o = \frac{(R_1 + R_2)(R_3 + R_4) + R_3 R_4}{R_1 R_4} V_2 - \frac{R_2(R_3 + R_4) + R_3 R_4}{R_1 R_4} V_1]$$

Esercizio 1.2)

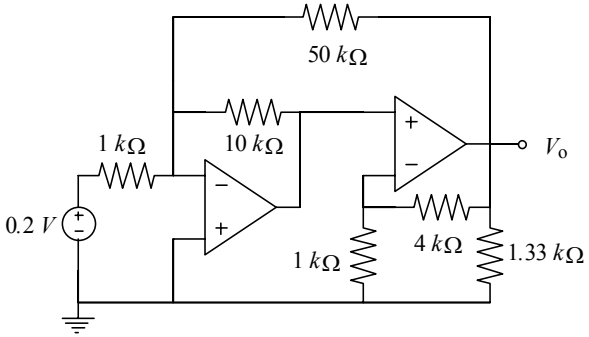
Determinare la potenza assorbita dal resistore R_L.



[2 mW]

Esercizio 1.3)

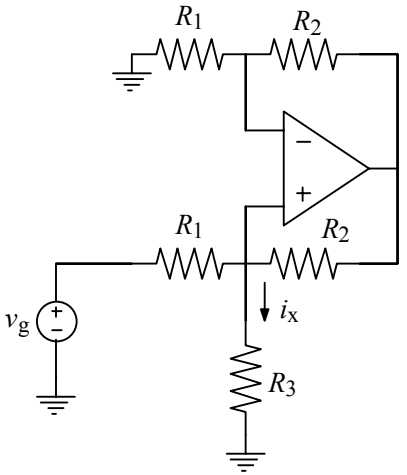
Determinare il valore di V_o.



[- 5 V]

Esercizio 1.4)

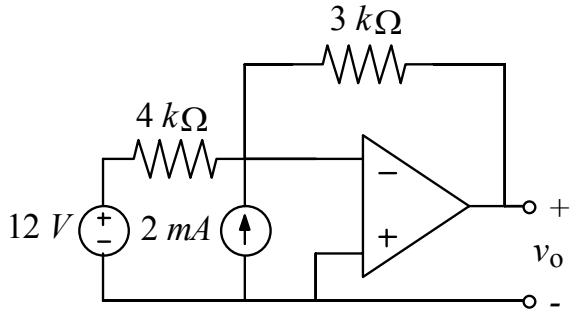
Determinare l'espressione della corrente i_x .



$$[i_x = \frac{v_g}{R_1}]$$

Esercizio 1.5)

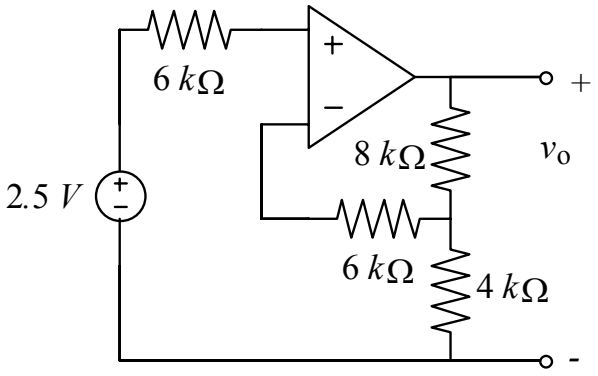
Determinare il valore di v_o.



[- 15 V]

Esercizio 1.6)

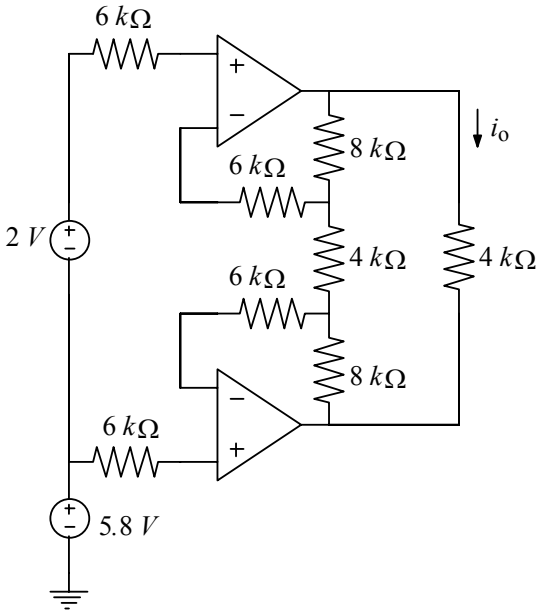
Determinare il valore di v_o.



[7.5 V]

Esercizio 1.7)

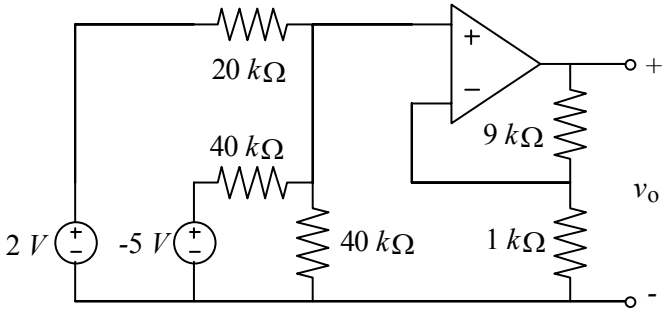
Determinare il valore di i_o.



[2.5 mA]

Esercizio 1.8)

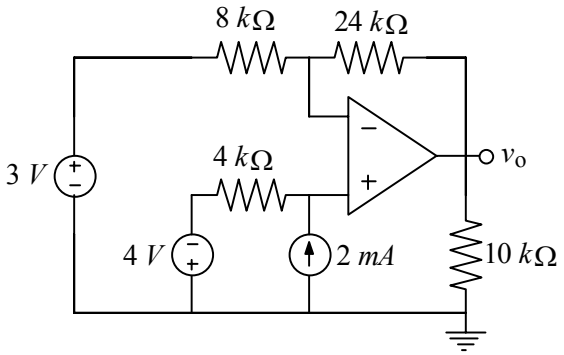
Determinare il valore di v_o.



[-2.5 V]

Esercizio 1.9)

Determinare v_o.



[7 V]