

Cálculos en Multisim

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1 Circuito en serie

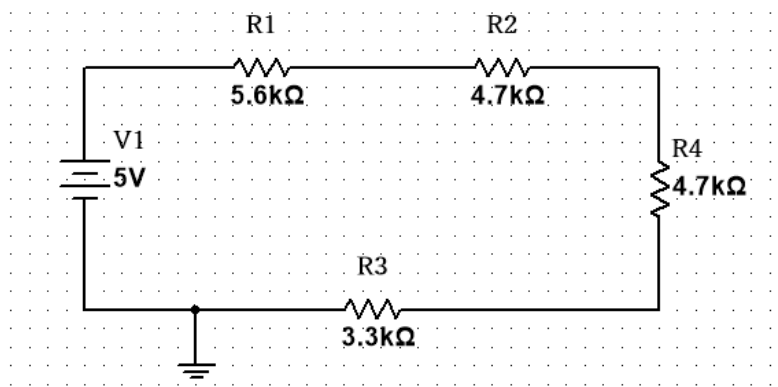
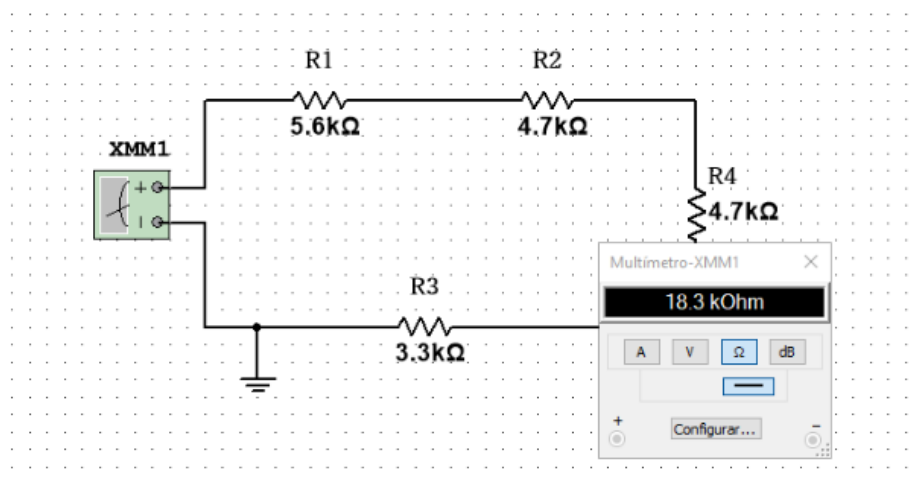


Figure 1: Circuito en serie a calcular y medir

a. Medición de resistencia total por ohmetro



b. Medición de voltaje total y parcial

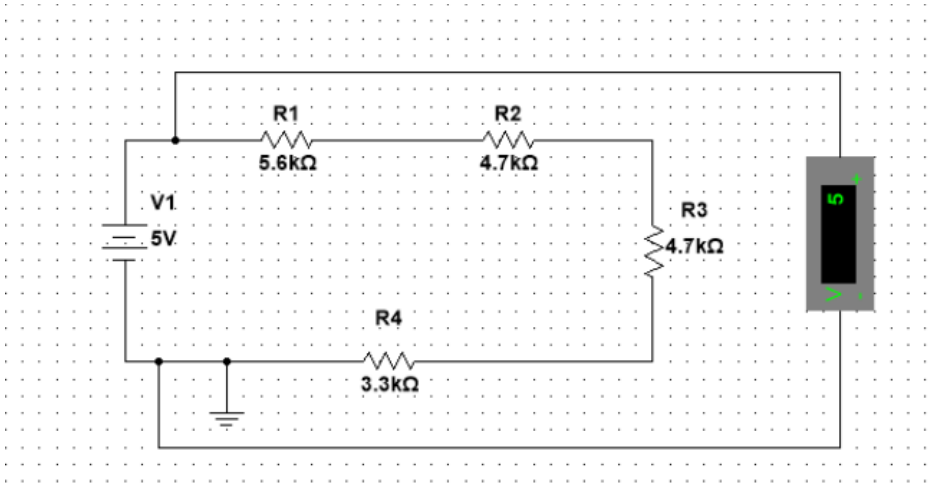


Figure 2: voltaje total por voltímetro

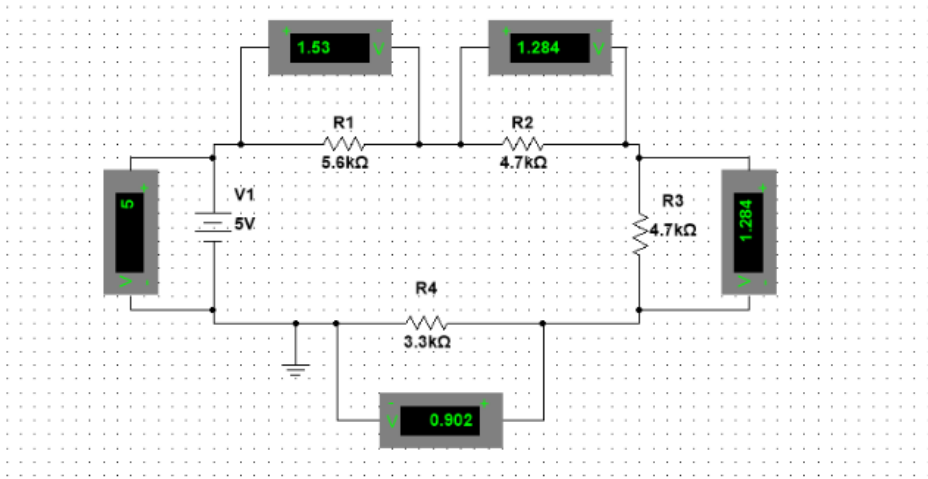
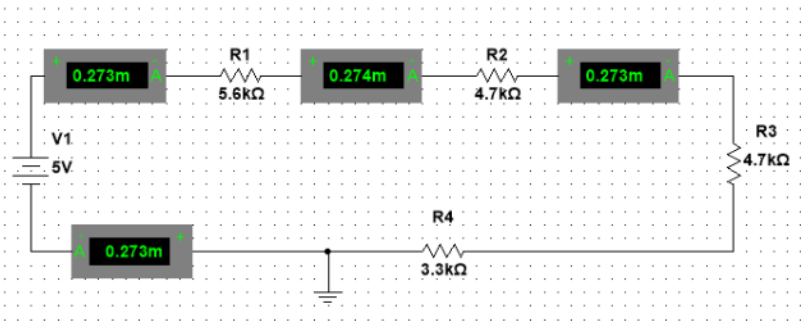


Figure 3: voltaje parcial por voltímetro

c. Medición de corriente de fuente a R1, R1 a R2, R2 a R3 y R4 a la fuente.



d. Medición de potencia total y parcial por wattmetro

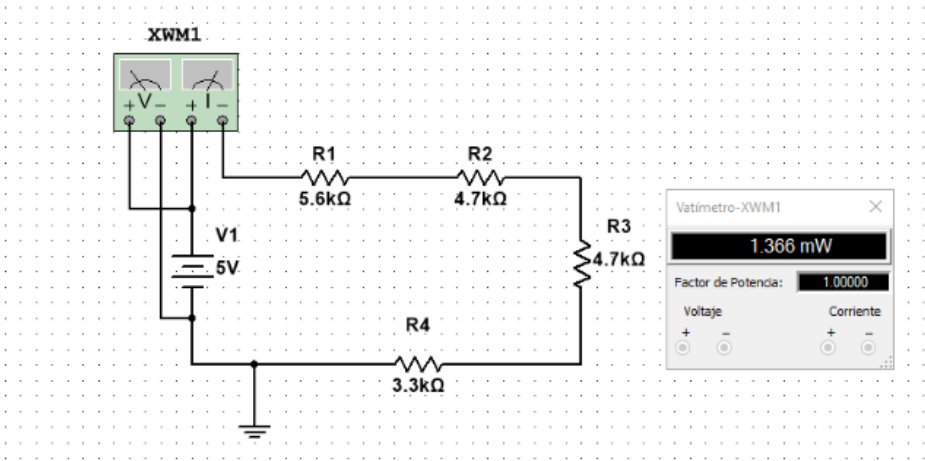


Figure 4: potencia total por wattmetro

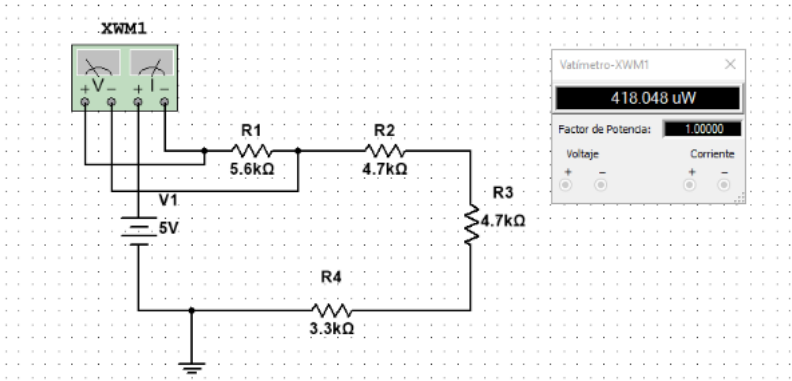


Figure 5: potencia 1

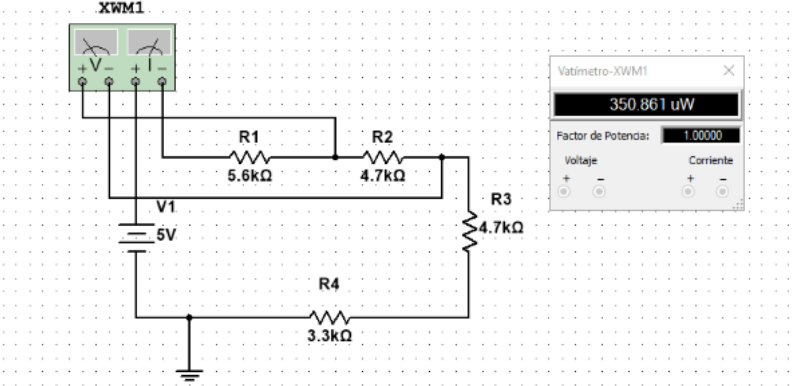


Figure 6: potencia 2

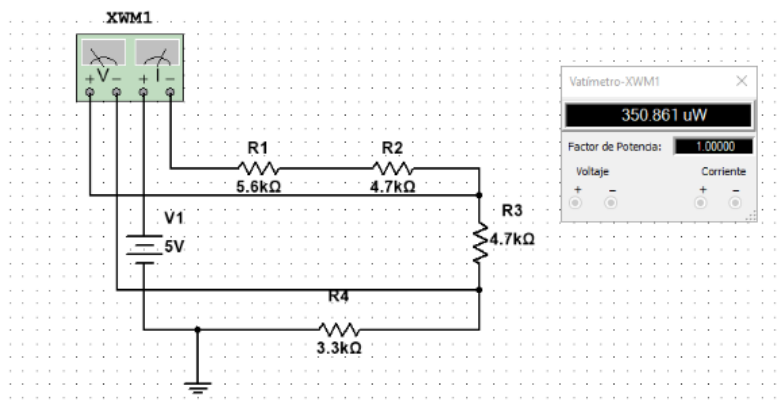


Figure 7: potencia 3

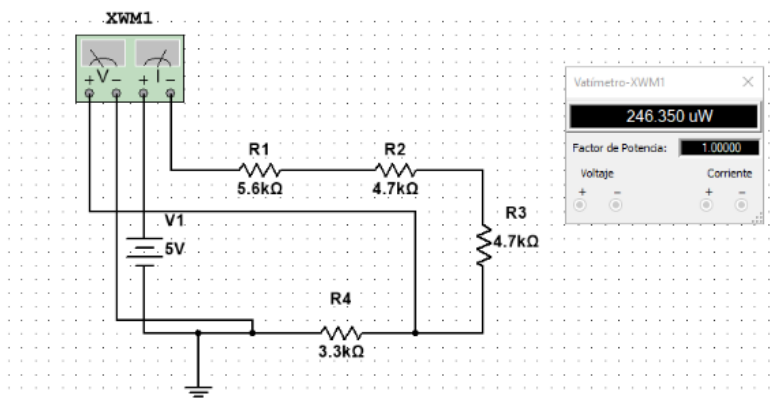


Figure 8: potencia 4

e. Medición de voltaje por osciloscopio

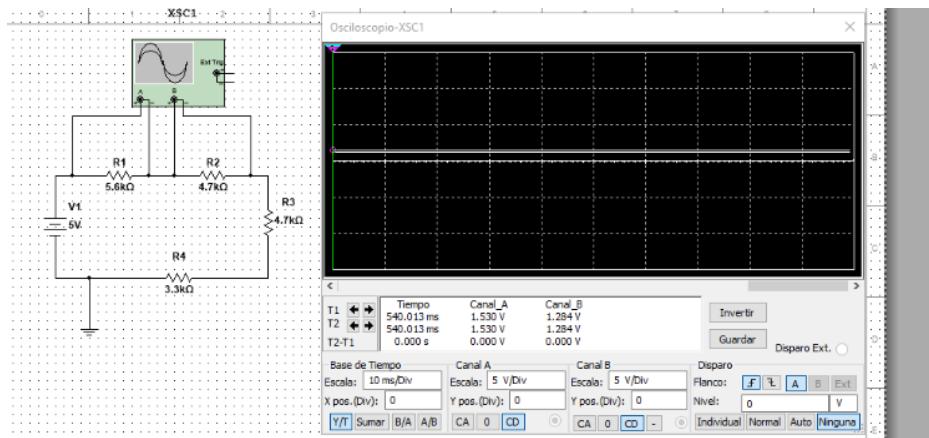


Figure 9: Voltaje parcial en R1 y R2 por osciloscopio

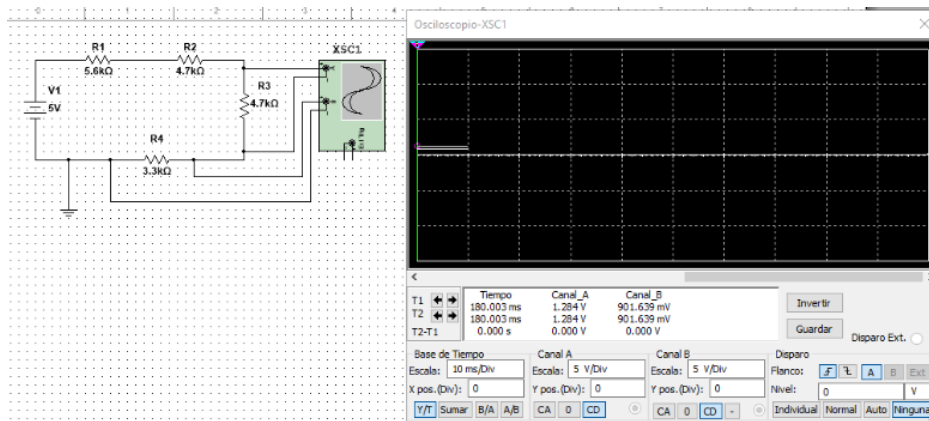


Figure 10: Voltaje parcial en R3 y R4 por osciloscopio

2 Circuito paralelo

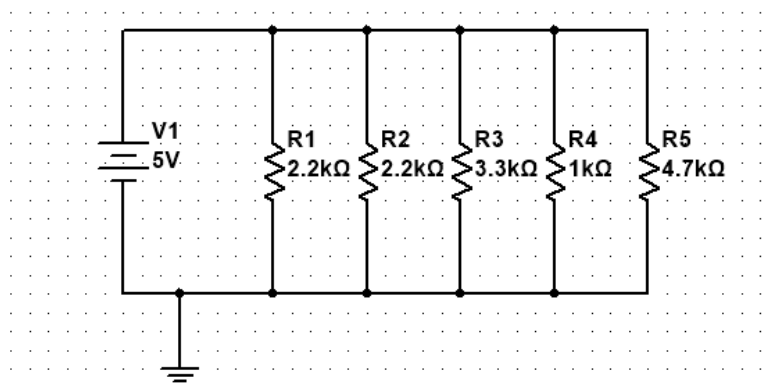
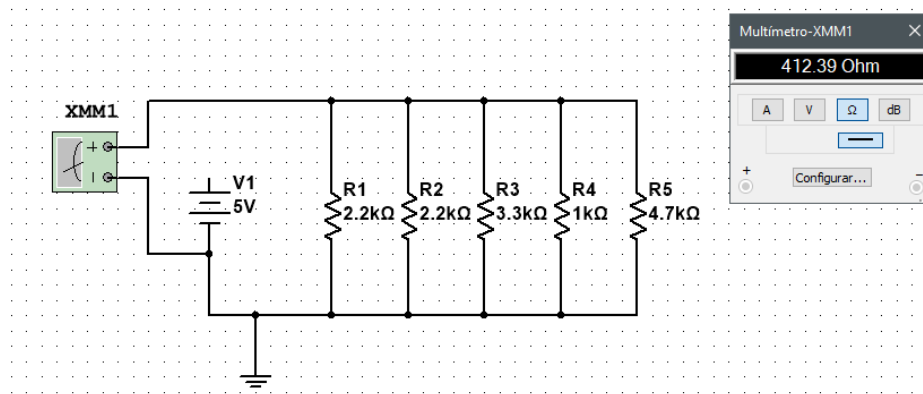
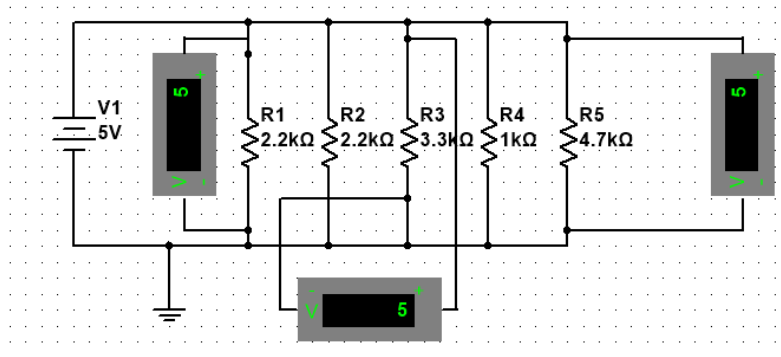


Figure 11: Circuito en paralelo a calcular y medir

a. Medición de resistencia total con ohmetro



b. Conectando voltímetro en 3 lugares diferentes



c. Medición de corriente total y parcial con amperímetro

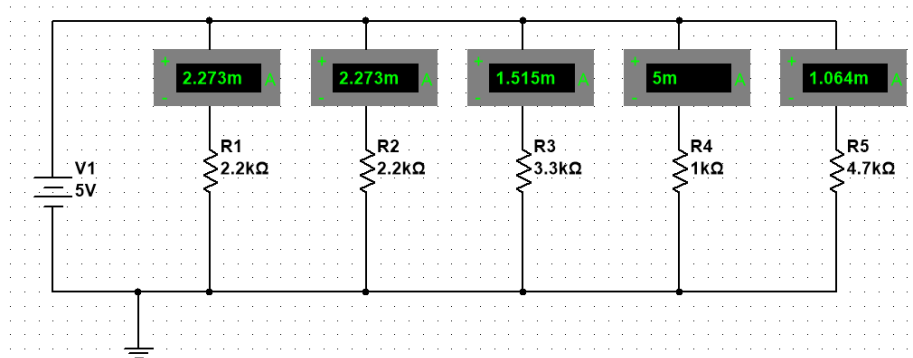


Figure 12: corriente parcial con amperímetro

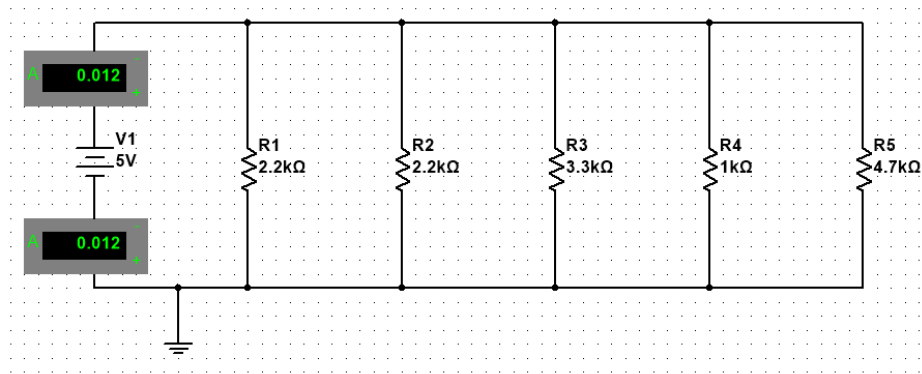


Figure 13: corriente total con amperímetro

d. Medición de potencia total y parcial con wattmetro

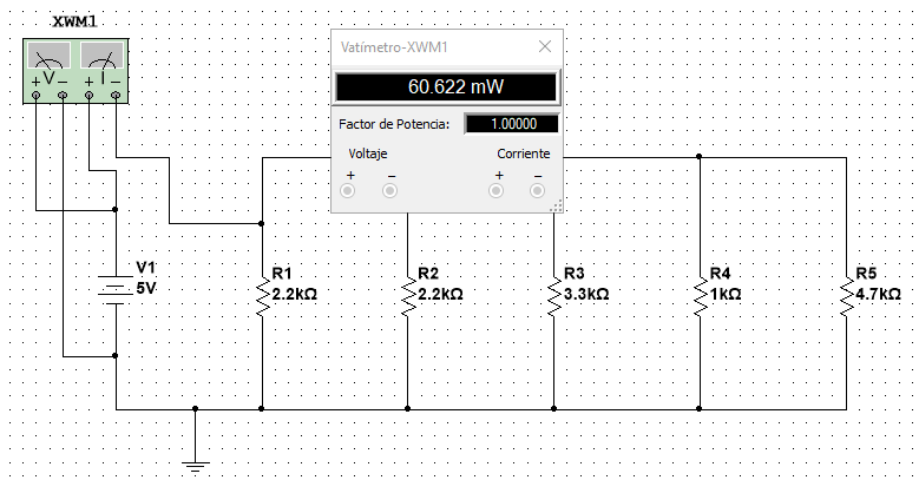


Figure 14: potencia total con wattmetro

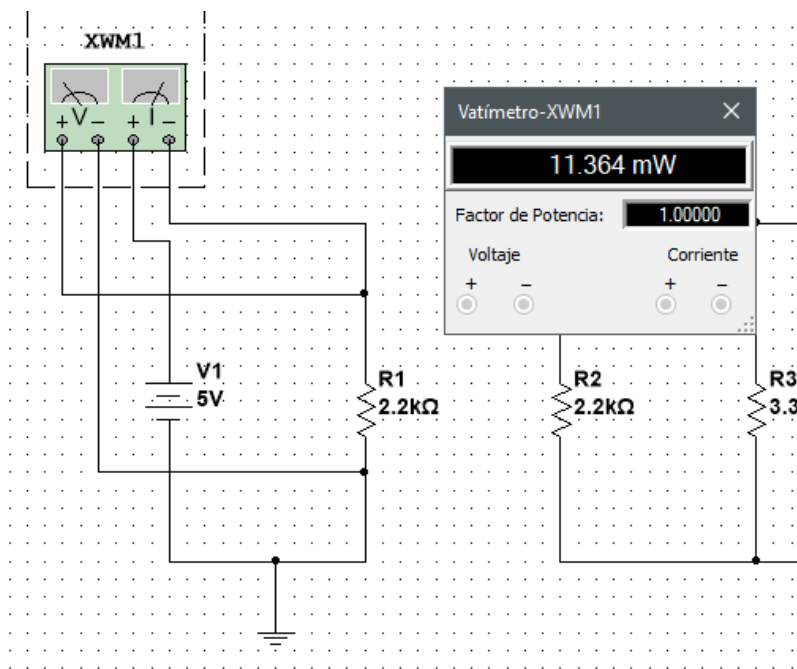


Figure 15: potencia 1

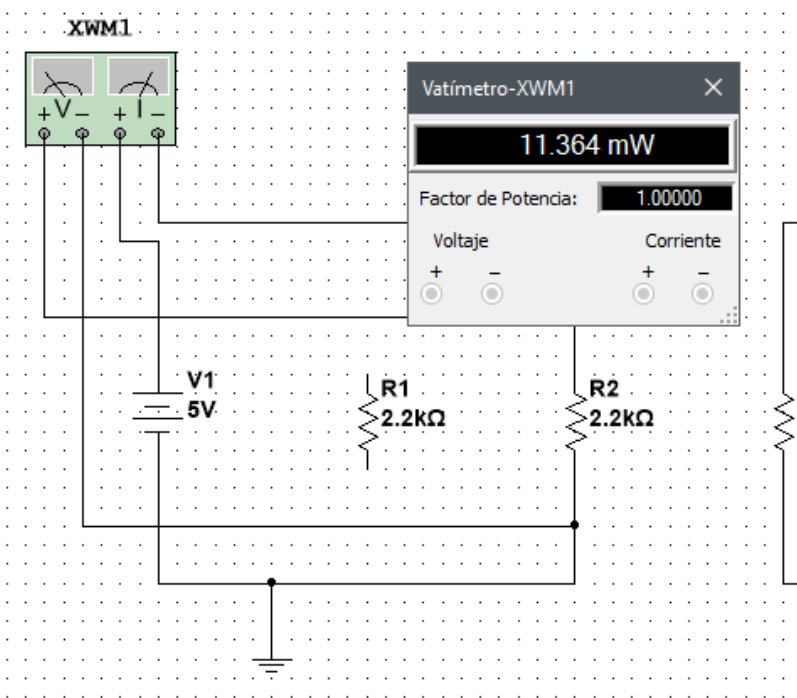


Figure 16: potencia 2

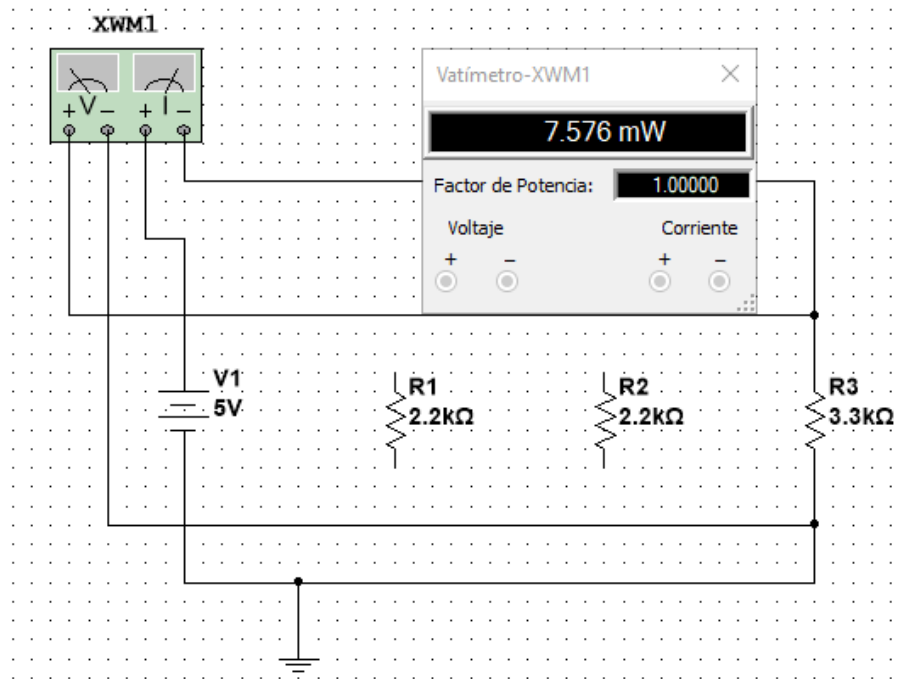


Figure 17: potencia 3

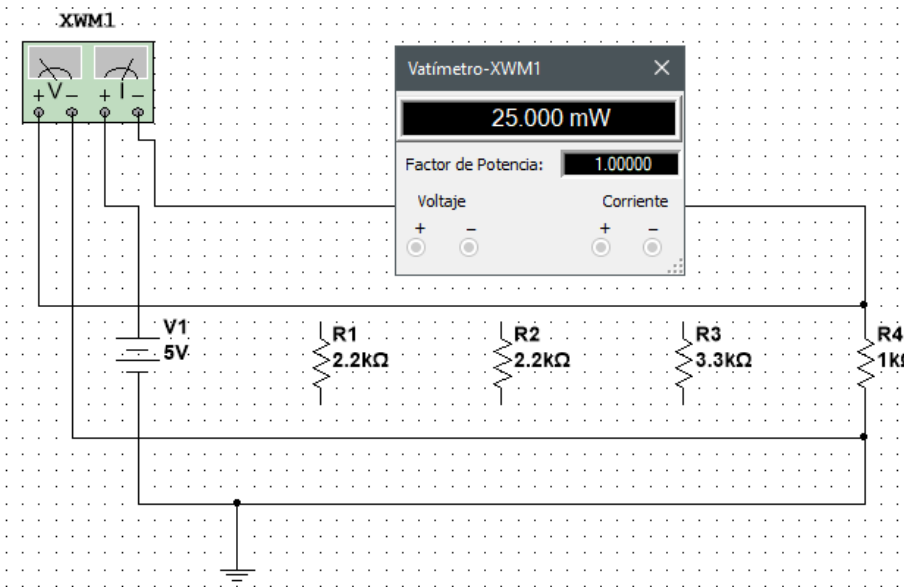


Figure 18: potencia 4

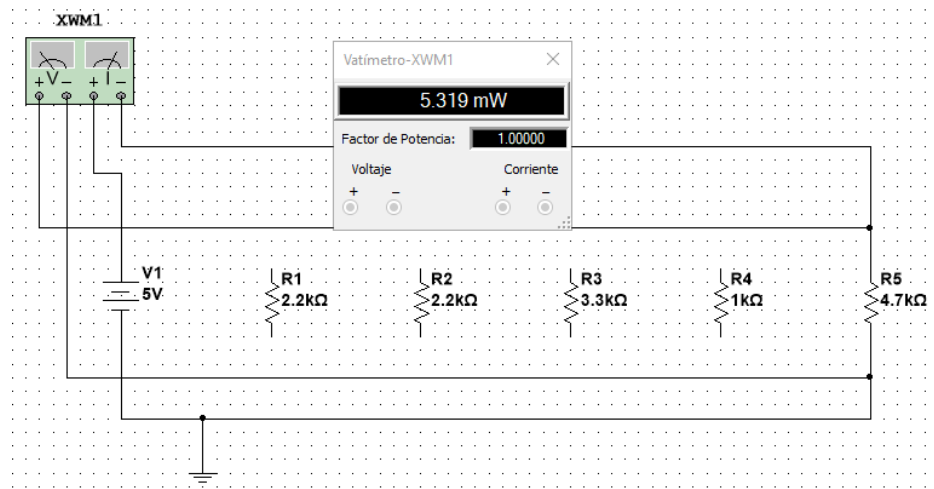


Figure 19: potencia 5