The drawing shows a circuit that contains a battery, two resistors, and a switch. Consider the circuit with R1 = 67.5, R2 = 98.1, and V = 9.7.

(a)What is the equivalent resistance of the circuit when the switch is open and closed?

Ropen=R1+R2=165.6 Ω

Rclose = ∞Ω

(b) What is the total power delivered to the resistors when the switch is open and closed?

Ropen= V^2/R= 0.57 W

Rclose = 0 W