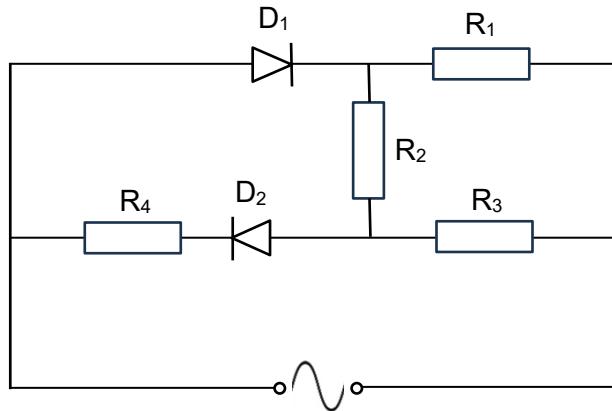


- 26 In the circuit shown, D_1 and D_2 are ideal diodes. Resistor R_1 has a resistance of $2R$. Resistors R_2 , R_3 and R_4 are identical and have the same resistance R .

The input voltage to the circuit is a sinusoidal alternating voltage of peak value V_0 .

What is the average power delivered to the circuit?



A $0.25 \frac{V_0^2}{R}$

B $0.36 \frac{V_0^2}{R}$

C $0.39 \frac{V_0^2}{R}$

D $0.79 \frac{V_0^2}{R}$