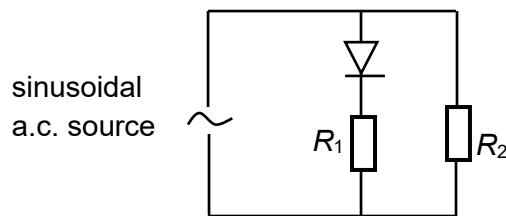
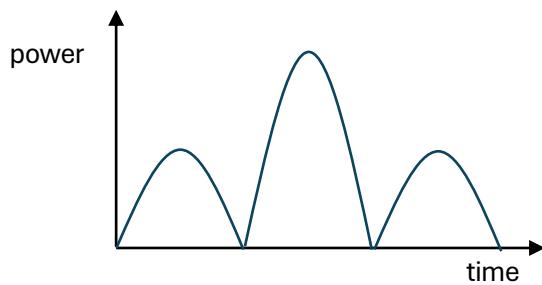


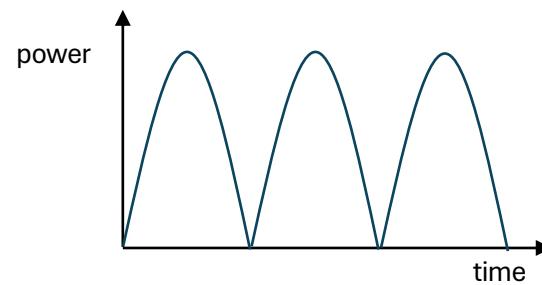
- 27 Two identical resistors R_1 and R_2 of equal resistance are connected to a sinusoidal alternating source. An ideal diode is connected in series with R_1 as shown in the diagram below.



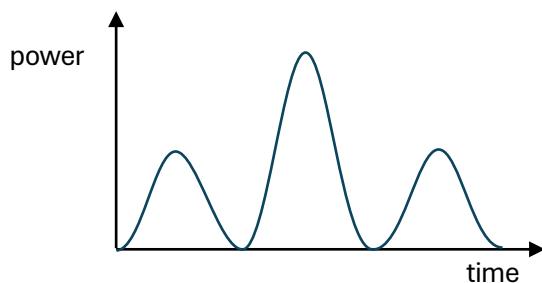
Which of the following graphs best shows the variation of the power dissipated in R_2 with time t for a fixed time interval t_0 ?



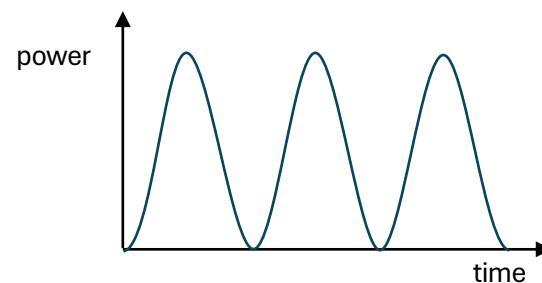
A



B



C



D