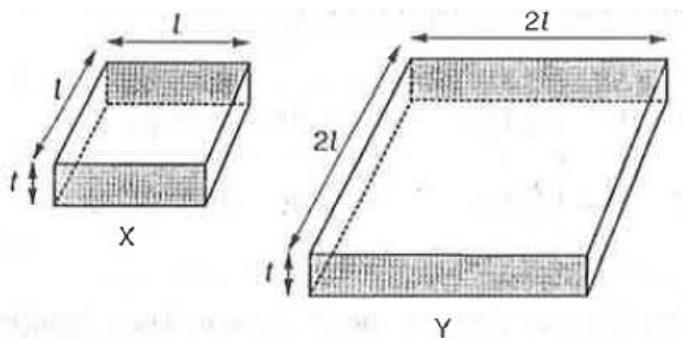


- 20** Two squares, X and Y, are cut from the same sheet of metal of thickness  $t$ . The lengths of the sides of X and Y are  $l$  and  $2l$  respectively.



What is the ratio  $\frac{R_X}{R_Y}$  of the resistances between the opposite shaded faces of X and of Y?

**A**  $\frac{1}{4}$

**B**  $\frac{1}{2}$

**C**  $\frac{1}{1}$

**D**  $\frac{2}{1}$

