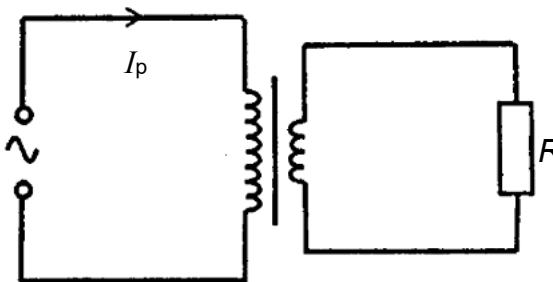


- 26** An ideal transformer is used to step down the a.c. voltage supply to a resistive load  $R$ . If the number of turns in the primary coil is doubled, what is the new current in the primary coil?



- A** Twice the original current in the primary coil.
- B** Same as the original current in the primary coil.
- C** Half the original current in the primary coil.
- D** One quarter of the original current in the primary coil.