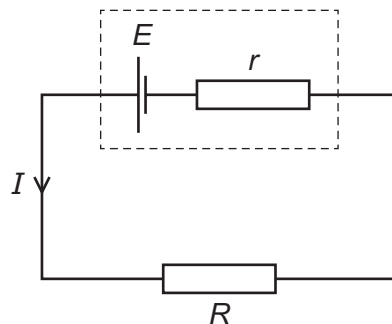


- 36** A cell of internal resistance  $r$  and electromotive force (e.m.f.)  $E$  is connected in series with a resistor of resistance  $R$ .



The resistance  $R$  and the e.m.f.  $E$  remain fixed. The internal resistance  $r$  of the cell changes over time.

Which graph best shows the variation of the current  $I$  in the circuit with the internal resistance  $r$ ?

