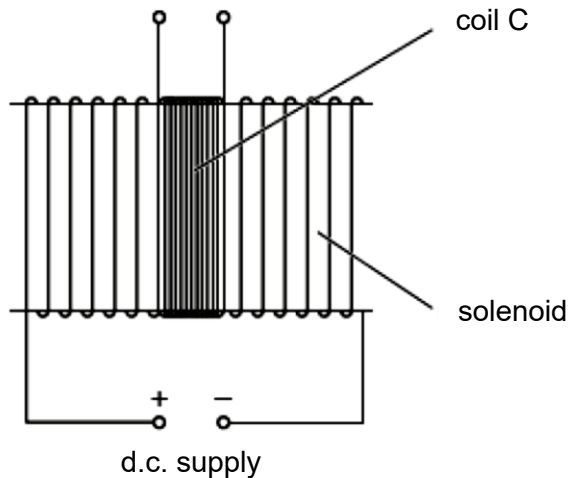


- 24** A solenoid has a coil C of wire wound tightly about its centre as shown.



The coil C has 96 turns of area $1.6 \times 10^{-3} \text{ m}^2$. The solenoid has 950 turns in 80 cm and carries a current of 2.0 A. The current is reversed in a duration of 0.24 s.

What is the average induced e.m.f. in coil C when the current is reversed?

- A** 0 V **B** 1.9 mV **C** 3.1 mV **D** 3.8 mV