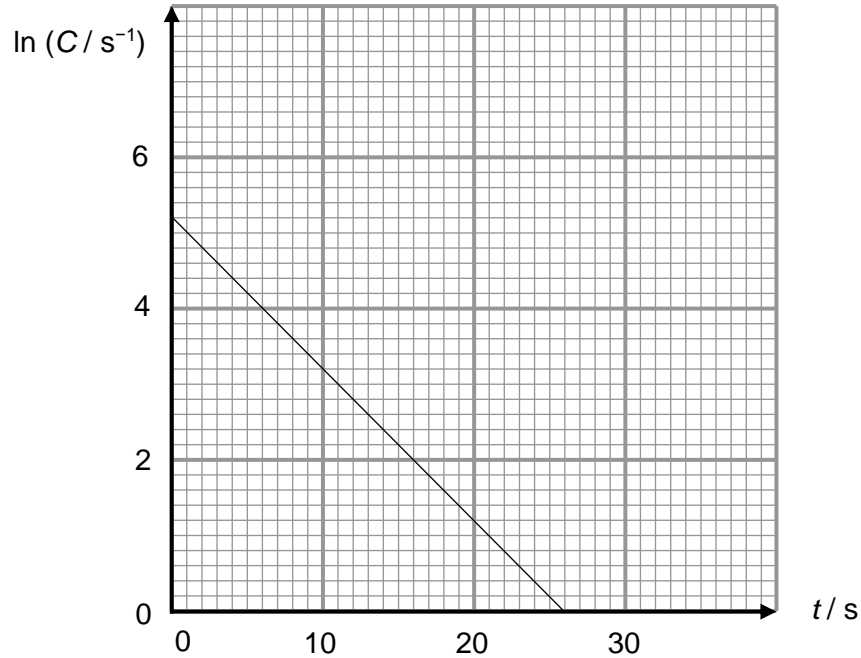30 The graph below shows the variation with time t of the natural logarithm of the count rate ln C of a radioactive source measured by a Geiger–Müller counter.

What is the half-life of the radioactive source?

A 0.2 s   **B** 3.5 s   **C** 13 s   **D** 26 s

End of Paper