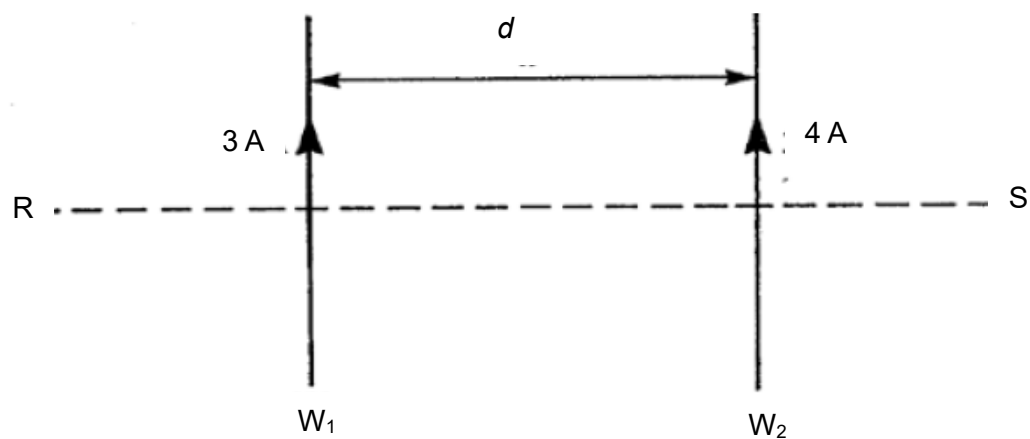**22** Two vertical wires W_1 and W_2 are distance d apart carrying currents of 3 A and 4 A respectively.

The combined magnetic fields due to these currents gives a position of zero magnetic flux density on the horizontal line RS passing through the wires.

What is the distance of this position from the wire W_1?

A $\dfrac{1}{4}d$

B $\dfrac{3}{7}d$

C $\dfrac{4}{7}d$

D $\dfrac{3}{4}d$