Which row is correct?

	wavelength emitted by P/m	wavelength emitted by Q/m
Α	5×10^{-5}	5 × 10 ⁻⁸
В	5×10^{-5}	5 × 10 ⁻¹⁰
С	5×10^{-7}	5 × 10 ⁻⁸
D	5×10^{-7}	5×10^{-10}

28 The diagram shows a view from above of a double slit interference demonstration.

L is a monochromatic light source with a vertical filament. B is a barrier with two narrow vertical slits and S is a screen upon which interference fringes form.

* L



The intensity is I at a point on the screen where the centre of the fringe pattern forms.

What is the intensity, at the same point, when one of the slits is covered up?

- A $\frac{I}{\sqrt{2}}$
- $\mathbf{B} = \frac{I}{2}$
- $C \frac{I}{2\sqrt{2}}$
- D $\frac{I}{4}$

Space for working