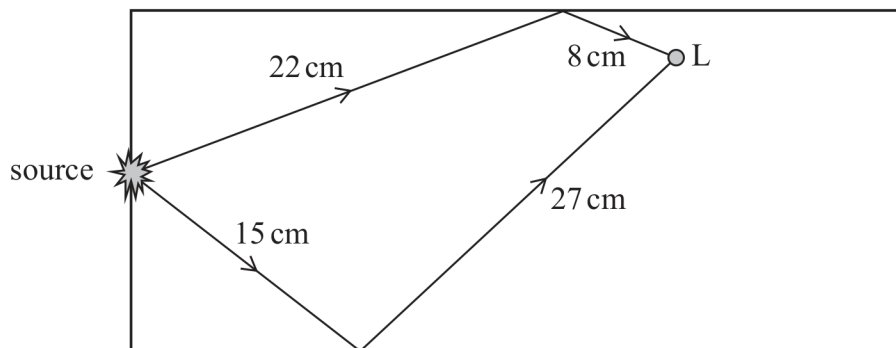


- 7 A microwave oven has a source that emits microwaves in all directions into the oven. The diagram shows the paths of two microwave rays that meet at point L as shown.



The interference between the waves following these two paths could cause heating effects at L depending on the wavelength of the microwaves.

Which row of the table is possible at point L?

	Heating effect at L	Wavelength / cm
<input type="checkbox"/> A	maximum heating	24
<input type="checkbox"/> B	maximum heating	18
<input type="checkbox"/> C	no heating	24
<input type="checkbox"/> D	no heating	18

(Total for Question 7 = 1 mark)