

- 19** The two headlights of a car are located 0.77 m apart. The headlights emit light of wavelength 550 nm.

The aperture of a human eye is about 1.8 mm in diameter.

What is the maximum distance away from the two headlights whereby these can still be resolved by the human eye?

- A**    23 m                      **B**    41 m                      **C**    270 m                      **D**    2500 m