17 A space shuttle orbits at a height of 330 km above the surface of the Earth. It carries two panels separated by a distance of 24 m. The panels reflect light of wavelength 500 nm towards a telescope on the Earth's surface, which has an aperture diameter of 85 mm.

Which of the following is correct?

	Can the two images be resolved in the telescope?	Angular separation of two sources as measured from aperture / rad
A	Yes	5.9×10^{-6}
B	Yes	7.3×10^{-5}
C	No	5.9×10^{-6}
D	No	7.3×10^{-5}