19 The angular resolution of a vertical slit for a pair of objects is 4.0×10^{-2} rad.

What is the new angular resolution if the width of the slit is doubled?

A 1.0×10^{-2} rad

B 2.0×10^{-2} rad

C 8.0×10^{-2} rad

D 16×10^{-2} rad