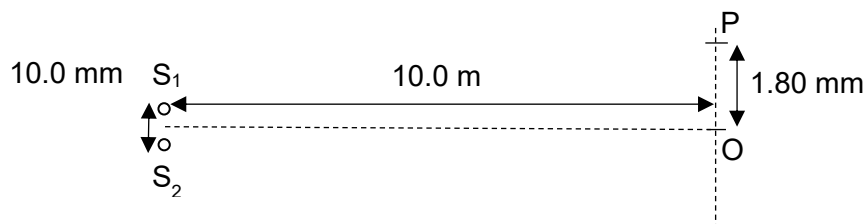14   The figure below (not to scale) shows two coherent electromagnetic wave sources, S_1 and S_2 which are π rad out of phase, placed 10.0 mm apart. The two sources are at an equidistant of 10.0 m from a detector at O. The wavelength of the electromagnetic wave is 532 nm.

How many minima would the detector detect as it moves a distance 1.80 mm from point O to point P?

A   2   **B**   3   **C**   4   **D**   5