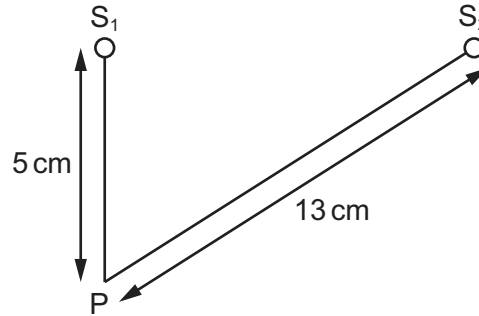


- 26** The diagram shows two sources of waves S_1 and S_2 . The sources oscillate with a phase difference of 180° .



The sources each generate a wave of wavelength 2.0 cm. Each source produces a wave that has amplitude x_0 when it reaches point P .

What is the amplitude of the oscillation at P ?

- A** 0 **B** $\frac{x_0}{2}$ **C** x_0 **D** $2x_0$