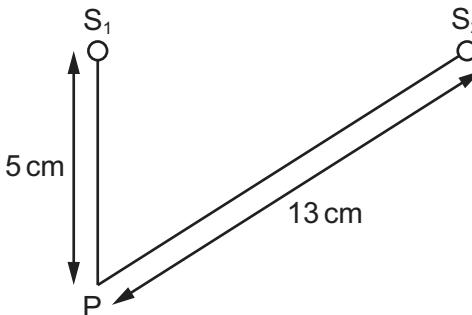


- 26** The diagram shows two sources of waves S_1 and S_2 . The sources oscillate with a phase difference of 180° .



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 $2x_0$