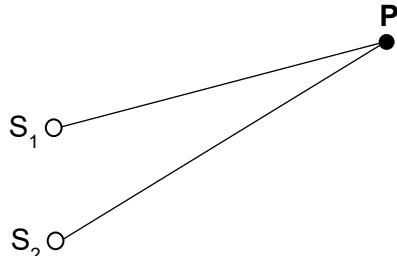


- 12  $S_1$  and  $S_2$  are two wave generators producing waves of intensity  $0.36I$  and  $0.25I$  respectively at  $\mathbf{P}$ . A resultant intensity minima occurs at  $\mathbf{P}$  as shown in the diagram below.



What is the resultant intensity at point  $\mathbf{P}$  in terms of  $I$ ?

- |          |         |          |          |
|----------|---------|----------|----------|
| <b>A</b> | zero    | <b>B</b> | $0.010I$ |
| <b>C</b> | $0.11I$ | <b>D</b> | $0.31I$  |