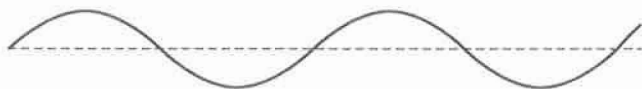


- 23** A loudspeaker P emits a continuous sound. A microphone is connected to a cathode-ray oscilloscope (c.r.o.) and placed near to P.

The diagram shows the trace that appears on the c.r.o.



When a second loudspeaker Q is switched on, the sound waves from the two loudspeakers combine.

The diagram shows the trace that now appears on the c.r.o.



Loudspeaker P is then switched off.

Which diagram represents the trace that appears on the c.r.o.?

