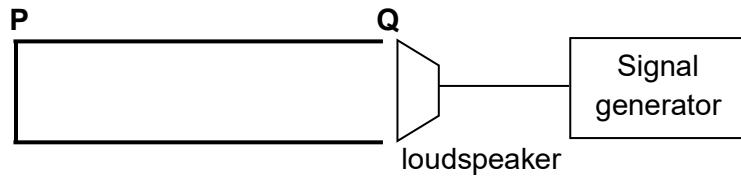


- 14 A signal generator is connected to a loudspeaker held near end **Q** of the tube **PQ**, of length 0.65 m. The speed of sound is 330 m s^{-1} .



Frequency of the signal generator is increased from zero until a loud sound is heard for the third time.

What is the frequency of the signal generator at this instant?

A 381 Hz

B 508 Hz

C 635 Hz

D 761 Hz