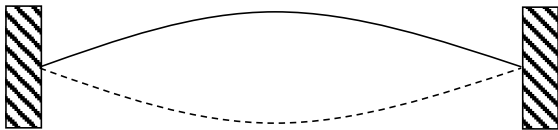


- 12** A wire is stretched between two supports and plucked. A stationary wave is formed as shown.



Given that the frequency of the stationary wave shown above is f , what is the next possible frequency for a stationary wave to be formed in the setup?

- A** $2f$ **B** $3f$ **C** $\frac{1}{2}f$ **D** $\frac{3}{2}f$
- 13** Two monochromatic radiations X and Y of wavelengths λ_1 and λ_2 respectively, are incident