

26 Two waves of equal frequency and amplitude are travelling in opposite directions along a stretched string. When they meet, they form a stationary wave with three nodes and two antinodes.

The frequency of both waves is doubled and a new stationary wave is formed.

How many antinodes are there in the new stationary wave?

A 1

B 2

C 3

D 4

27 A long, thin wire is suspended vertically from a fixed point. If a transverse wave is sent along the wire, which of the following statements is correct?