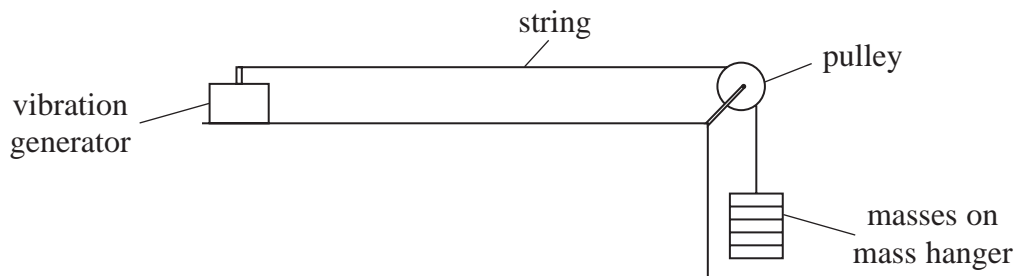


10 The diagram represents an arrangement used to generate standing waves on a string.



A standing wave pattern with two nodes is obtained as shown.



Which of the following single changes could produce a standing wave pattern with three nodes?

- ☐ **A** decreasing the distance between the vibration generator and pulley
- ☐ **B** decreasing the frequency of the vibration generator
- ☐ **C** decreasing the mass on the mass hanger
- ☐ **D** decreasing the mass per unit length of the string

(Total for Question 10 = 1 mark)