

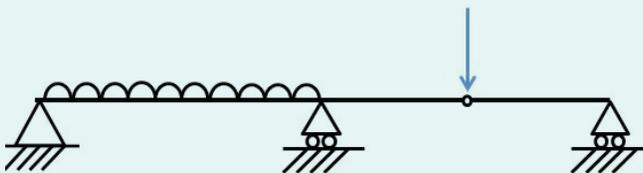
And finally...

The place to test your knowledge and problem-solving ability. If you would like to submit a quiz or problem, contact tse@istructe.org

This month we bring you another question from the Institution's Structural Behaviour Course. The topic is bending moment diagrams. Answers will be published in the June issue.

Question

Identify the correct bending moment diagram for the load case shown. Ignore self-weight. The bending moment should be drawn on the tension side.

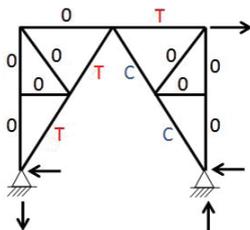


<p>A</p>	<p>B</p>
<p>C</p>	<p>D</p>

The Structural Behaviour Course is available at www.istructe.org/resources-centre/structural-behaviour and is free to Student Members of the Institution.

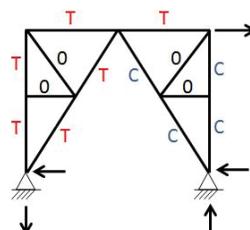
Answers to April's quiz

Members in the following truss will experience tension, compression or zero force. Choose the solution that matches the loading given.



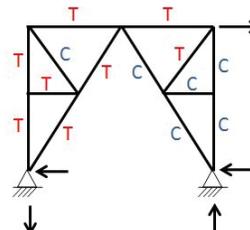
A

Correct.



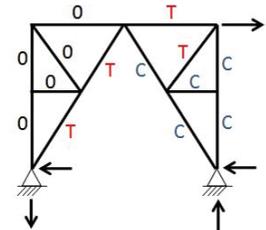
B

Look at the top-left corner – horizontal and vertical equilibrium are not met.



C

Look at the left column where it is intersected – horizontal equilibrium is not met.



D

Look at the right column where it is intersected – there is no horizontal equilibrium.