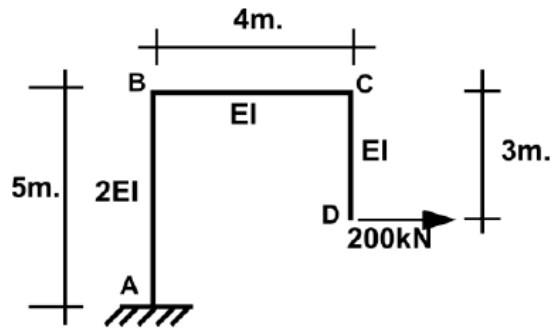# Question 1

For the frame system shown below, find the deformations at D


Hint: for this question use the integration tables

Question 2

The Cantilevered truss bridge has two segments and supports the vehicular loading shown below, and is supported by a pier (bridge column) ABC. Each segment of the bridge is pin supported at B and C, and the bridge pier is fixed at A. Ignore axial and shear deformations in the bridge pier.

Find the Vertical deformation at L6 due to applied loading
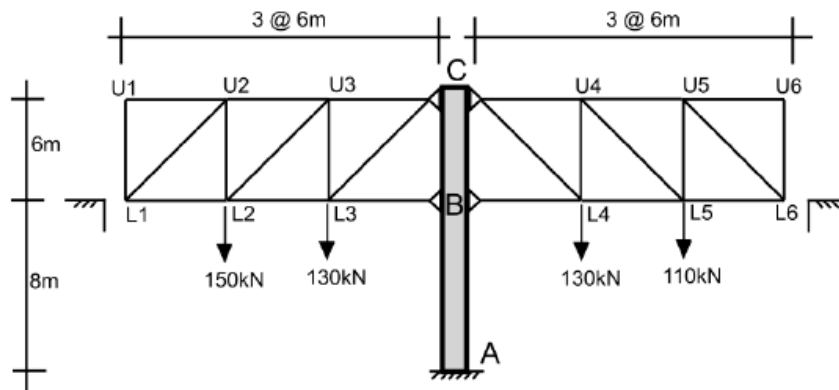
Note: $EA_{truss}=0.005EI_{pier}$ for all truss members