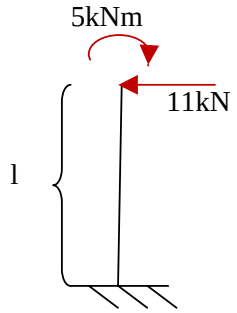
Remarks: See § 8.3, pages 576 till 586

Answers:

i) Calculate the midpoint deflection:



$$u_{midpoint} = \frac{3500}{3EI} l^3 \leftarrow$$

ii) Calculate the deflection at the top:

$u_{top} = 0$

Therefore column is deformed as shown in diagram (c)