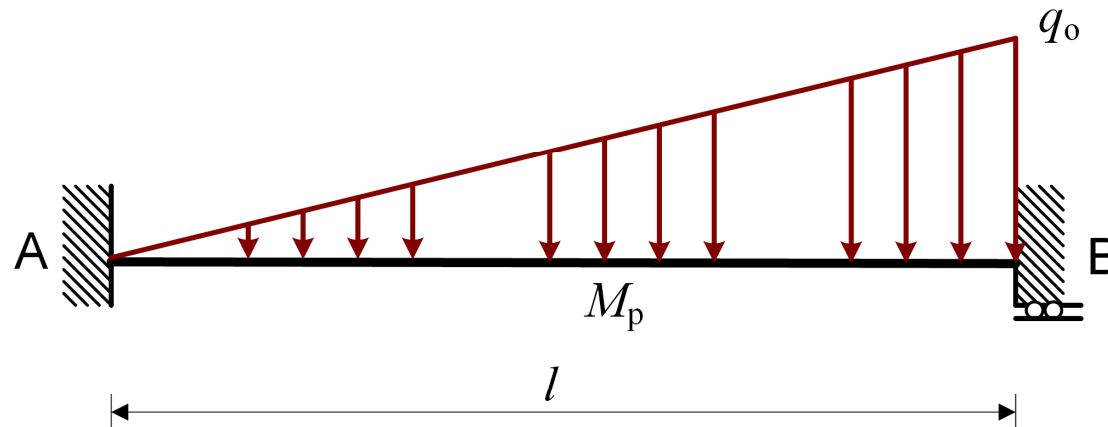


BEAM : FAILURE LOAD, UPPERBOUND THEOREME



Questions: (use MAPLE to speed up calculations)

- Define the mechanism needed to find the failure load according to the Upper Bound Theoreme

- Find the failure load q_0 expressed in $\frac{M_p}{l^2}$.

$$\frac{q_0 l^3}{6 M_p} = 1$$