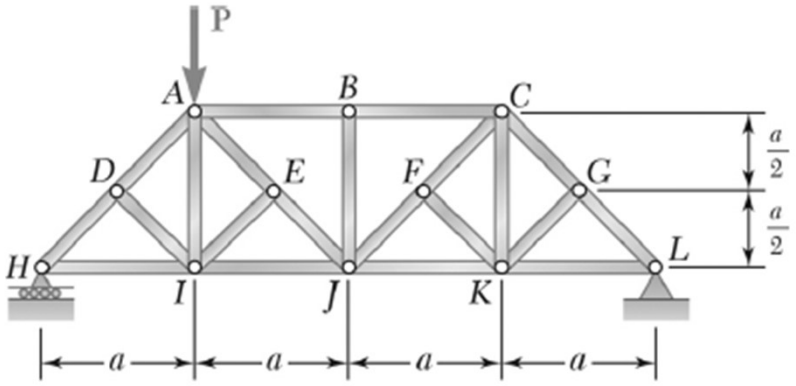


What is the vertical displacement at point A of the truss due to the load P ? Area of cross section of each member is 1 $cm^2$. Modulus of elasticity E = 100 GPa. The length a is equal to the last two digits of your roll number in cm. The magnitude of the load P is also the last two digits of your roll number in KN. For example if your roll number is 19XX1234 then a = 34 cm, P = 34 KN. Use ideas of work energy equivalence.