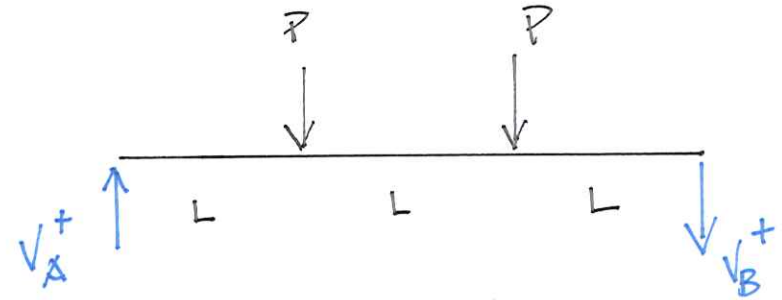
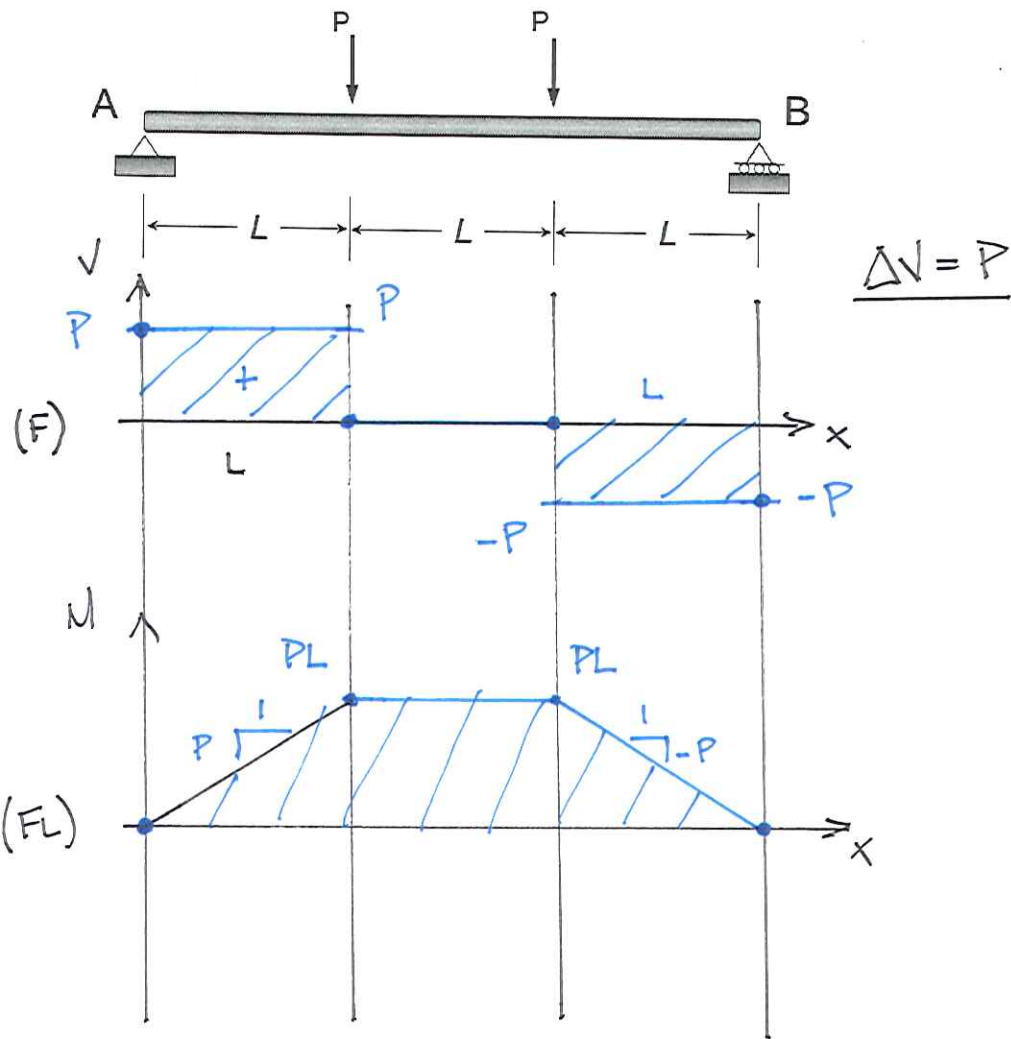


Example 4c-0 – Construct the shear force and bending moment diagrams.



$$\sum M_B = 0 = -V_A(3L) + P(L) + P(2L)$$

$$\underline{V_A = P}$$

$$\sum F_y = 0 = V_A - V_B - P - P$$

$$\underline{V_B = -P}$$

$$\underline{\Delta V = \int w dx \quad \frac{dV}{dx} = w}$$

$$\underline{\Delta M = \int V dx \quad \frac{dM}{dx} = V}$$