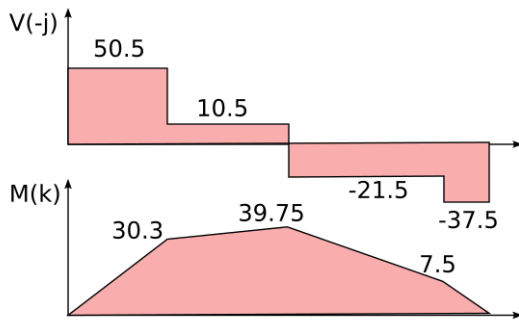
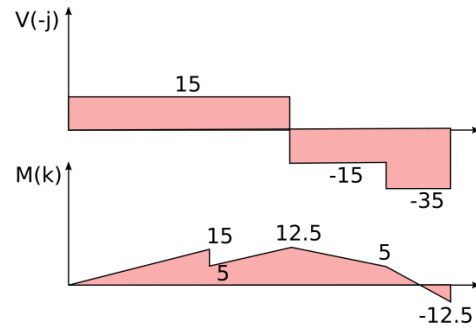


6.1

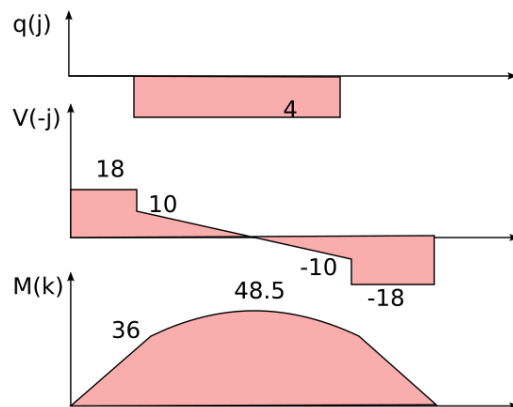
a) $R_a = 50.5 \text{ kN}$ // $R_b = 37.5 \text{ kN}$



b) $R = 35 \text{ kN}$ // $M = 12.5 \text{ kNm}$



c) $R_a = R_b = 18 \text{ Kips}$



6.2 : a) $\sigma_{\max} = 75 \text{ MPa}$; $\rho = 26,7 \text{ m}$

b) $\sigma_{\max} = 125 \text{ MPa}$; $\rho = 10 \text{ m}$

6.3 : $M = 106 \text{ Nm}$

6.4 : $\sigma_A = -3,3 \text{ MPa}$; $\sigma_B = -18,6 \text{ MPa}$; $\sigma_C = 3,3 \text{ MPa}$

6.5 : a) $\sigma(A) = b \cdot h \cdot 6 \cdot P \cdot l \cdot h \cdot \cos(\beta)$

b) $\beta = \arctg(b/h)$; $\beta = \arctg(b/h) + \pi$

6.6 : Ver solución en sección.

6.7 : Ver Ej1 del 2do parcial 2021, en evaluaciones anteriores