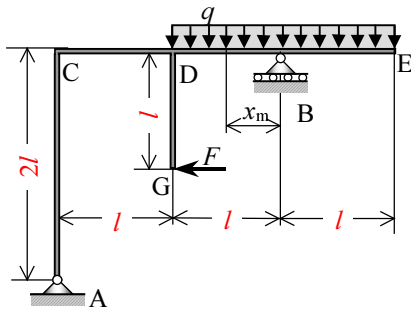


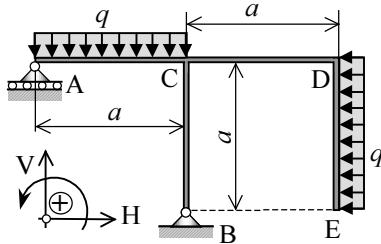
**Zadatak 6.47**Zadano:  $q, l, F = ql$ .**Rješenje:**

$$F_{AH} = ql, F_{AV} = \frac{1}{2}ql, F_B = \frac{3}{2}ql,$$

$$x_m = l/2, M_y(x_m) = -\frac{3}{8}ql^2, M_C = -2ql^2,$$

$$M_B = -\frac{1}{2}ql^2, (M_D)_L = -\frac{3}{2}ql^2,$$

$$(M_D)_d = ql^2, (M_D)_D = -\frac{1}{2}ql^2.$$

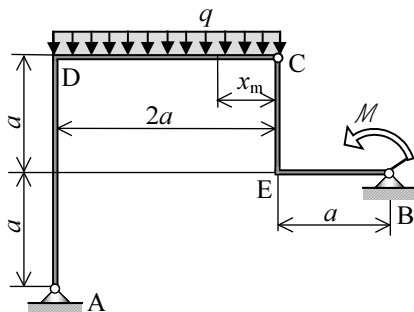
**Zadatak 6.48**Zadano:  $q = 2 \text{ kN/m } a = 3 \text{ m}$ .**Rješenje:**

$$F_A = qa = 6 \text{ kN}, F_{BH} = qa = 6 \text{ kN}, F_{BV} = 0,$$

$$(M_C)_L = 9 \text{ kN}\cdot\text{m}, (M_C)_d = -18 \text{ kN}\cdot\text{m},$$

$$(M_C)_D = (M_C)_L + (M_C)_d = -9 \text{ kN}\cdot\text{m},$$

$$M_D = -9 \text{ kN}\cdot\text{m}, M_A = M_B = M_E = 0.$$

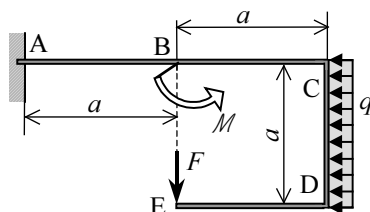
**Zadatak 6.49**Zadano:  $q, a, M = \frac{1}{2}qa^2$ .**Rješenje:**

$$F_{AV} = -F_{BH} = F_{CH} = \frac{3}{4}qa, F_{AV} = \frac{7}{4}qa,$$

$$F_{BV} = F_{CV} = \frac{1}{4}qa, M_B = M = \frac{1}{2}qa^2,$$

$$x_m = a/4, M_y(x_m) = \frac{qa^2}{32}, M_A = M_C = 0,$$

$$M_D = -\frac{3}{2}qa^2, M_E = \frac{3}{4}qa^2.$$

**Zadatak 6.50**Zadano:  $q, a, F = qa, M = 2qa^2$ .**Rješenje:**

$$F_{AH} = F_{AV} = qa, M_A = \frac{1}{2}qa^2, M_C = \frac{1}{2}qa^2,$$

$$(M_B)_L = \frac{3}{2}qa^2, (M_B)_D = (M_B)_L - M = -\frac{1}{2}qa^2,$$

$$M_D = qa^2, M_E = 0.$$