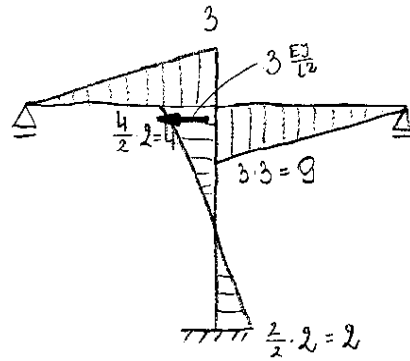
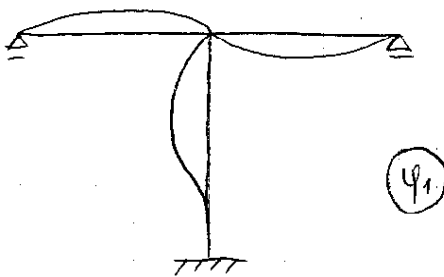
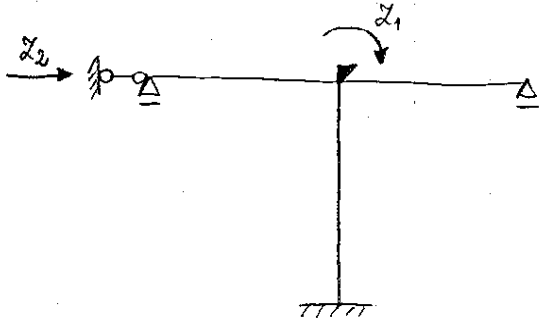
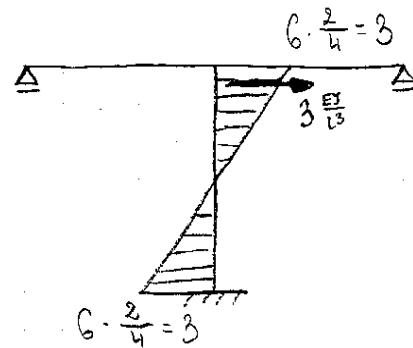
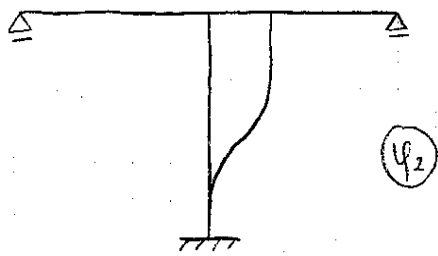


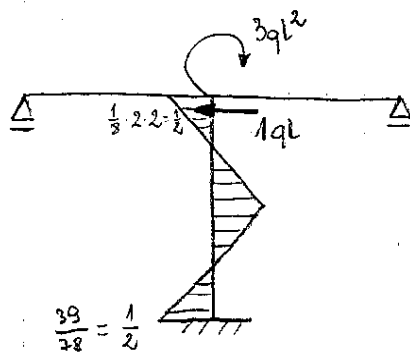
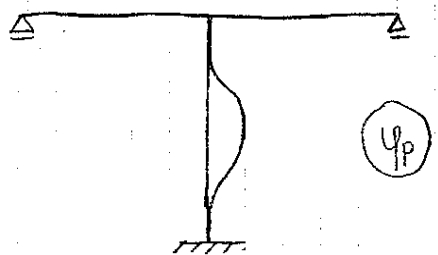
$$n_p = 2$$



$$M_1 \left[\frac{EJ}{l} \right]$$



$$M_2 \left[\frac{EJ}{l^2} \right]$$



$$M_p \left[ql^2 \right]$$

$$N_{11} = (9 + 4 + 3) \frac{EJ}{l} = 16 \frac{EJ}{l}$$

$$N_{12} = -3 \frac{EJ}{l^2}$$

$$N_{21} = -3 \frac{EJ}{l^2}$$

$$N_{22} = 3 \frac{EJ}{l^3}$$

$$R_{1P} = \frac{1}{2} ql^2 - 3ql^2 = -\frac{5}{2} ql^2$$

$$R_{2P} = -ql$$

$$\begin{cases} 16 \frac{EJ}{L} z_1 - 3 \frac{EJ}{L^2} z_2 - \frac{5}{2} ql^2 = 0 & / \cdot \frac{L}{EJ} \\ -3 \frac{EJ}{L^2} z_1 + 3 \frac{EJ}{L^3} z_2 - ql = 0 & / \cdot \frac{L^2}{EJ} \end{cases}$$

$$\begin{cases} 16 z_1 - \frac{3}{L} z_2 - \frac{5}{2} \frac{ql^3}{EJ} = 0 \\ -3 z_1 + \frac{3}{L} z_2 - \frac{ql^3}{EJ} = 0 \end{cases}$$

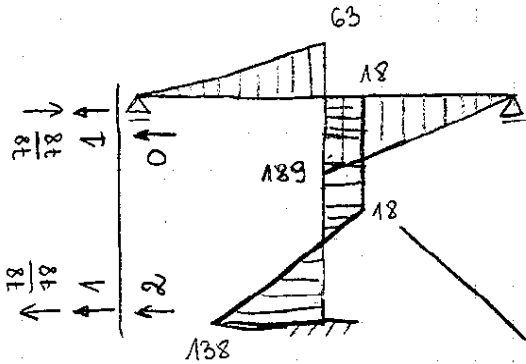
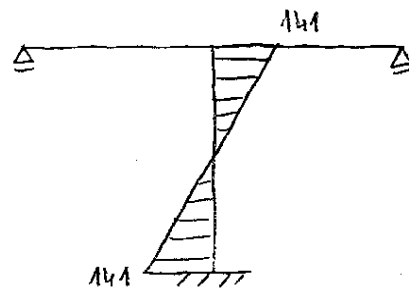
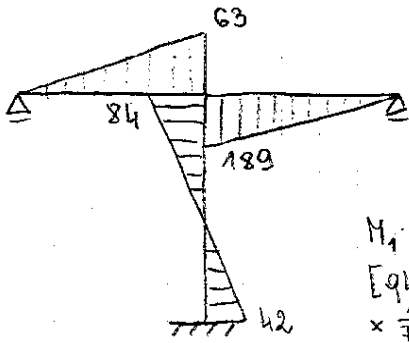
$$13 z_1 = \frac{7}{2} \frac{ql^3}{EJ}$$

$$z_1 = \frac{7}{26} \frac{ql^3}{EJ} = \frac{21}{78} \frac{ql^3}{EJ}$$

$$-3 \cdot \frac{7}{26} \frac{ql^3}{EJ} + \frac{3}{L} z_2 - \frac{ql^3}{EJ} = 0$$

$$\frac{3}{L} z_2 = \frac{47}{26} \frac{ql^3}{EJ}$$

$$z_2 = \frac{47}{78} \frac{ql^3}{EJ}$$



$$= - \frac{138}{78} \frac{ql^2}{78} + \frac{156}{78} \frac{ql^2}{78} \cdot 1L = \frac{18}{78} ql^2$$

