

$$N_{11} = \frac{3}{2} \frac{EI}{l}$$

$$N_{12} = -\frac{3}{4} \frac{EI}{l^2}$$

$$N_{21} = -\frac{3}{4} \frac{EI}{l^2}$$

$$N_{22} = \frac{3}{8} \frac{EI}{l^3}$$

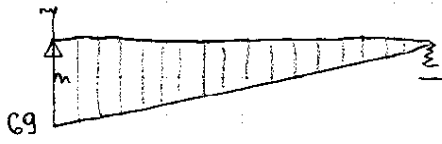
$$R_{1P} = \frac{1}{8} ql^2$$

$$R_{2P} = -\frac{9}{16} ql$$

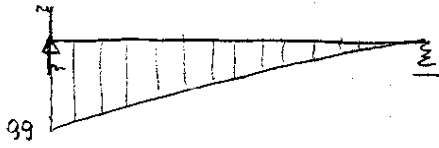
$$\begin{cases} N_{11} z_1 + N_{12} z_2 + R_{1P} = 0 \\ N_{21} z_1 + N_{22} z_2 + R_{2P} = 0 \end{cases}$$

$$\begin{cases} \frac{3}{2} \frac{EI}{l} z_1 - \frac{3}{4} \frac{EI}{l^2} z_2 + \frac{1}{8} ql^2 = 0 \\ -\frac{3}{4} \frac{EI}{l^2} z_1 + \frac{3}{8} \frac{EI}{l^3} z_2 - \frac{9}{16} ql = 0 \end{cases}$$

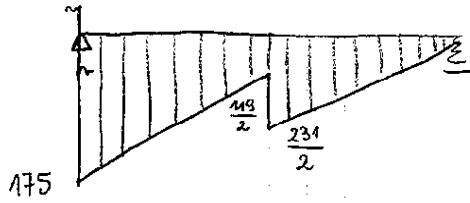
$$\begin{cases} z_1 = \frac{23}{28} \frac{ql^3}{EI} \\ z_2 = -\frac{66}{28} \frac{ql^4}{EI} \end{cases}$$



$$M_1 \cdot Z_1 \left[\times \frac{1}{56} q l^2 \right]$$



$$M_2 \cdot Z_2 \left[\times \frac{1}{56} q l^2 \right]$$



$$M \left[\times \frac{1}{56} q l^2 \right]$$

$$\downarrow \frac{175}{112}$$

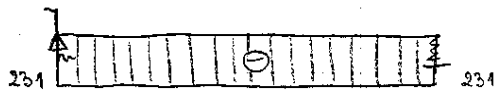
$$\downarrow \frac{1}{2} = \frac{56}{112}$$

$$\uparrow \frac{175}{112}$$

$$\uparrow \frac{1}{2} = \frac{56}{112}$$

$$\frac{231}{112} \downarrow$$

$$\uparrow \frac{231}{112}$$



$$T \left[\times \frac{1}{112} q l \right]$$