

$$\sum M_1^L = 0$$

$$262,6^\circ - V_a \cdot 9 = 0$$

$$V_a = 29,185$$

$$\sum M_2^L = 0$$

$$V_a \cdot 13 - V_1 \cdot 4 = 0$$

$$V_1 = 94,851$$

$$\sum M_3 = 0$$

$$29,185 \cdot 34 - 94,851 \cdot 25 + 10,3^\circ \cdot 21 + 6 \cdot 18 + V_4 \cdot 15 + (12,8^\circ - 3,5^\circ) \cdot 11 + 18,6^\circ \cdot 7 + 5,7^\circ \cdot 3 + 10 = 0$$

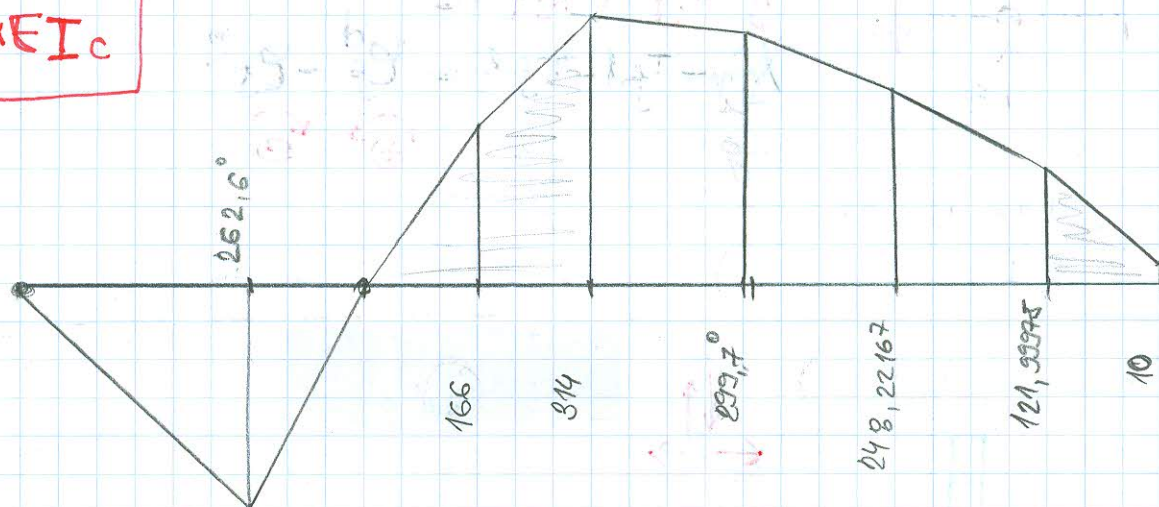
$$V_4 = 52,8^\circ$$

$$\sum V = 0$$

$$29,185 - 94,851 + 10,3^\circ + 6 + 52,8^\circ + 3,5^\circ + 12,8^\circ + 18,6^\circ + 5,7^\circ - V_3 = 0$$

$$V_3 = 37,33325$$

$$U_g \times EI_c$$



Provera prema uticajne linije: (Množi spolutuče opter sa površinom na  $V_g \cdot E I_c$ )

$$U_g = \left[ -180 \cdot \frac{262,6^\circ}{9} - 20 \cdot \left( \frac{166 \cdot 3}{2} + \frac{166 + 314}{2} \cdot 3 \right) - 20 \cdot \left( \frac{121,99975 + 10}{2} \cdot 3 \right) \right] \cdot \frac{1}{EI_c} =$$

$$= -\frac{1}{EI_c} \cdot 28.593,32583$$