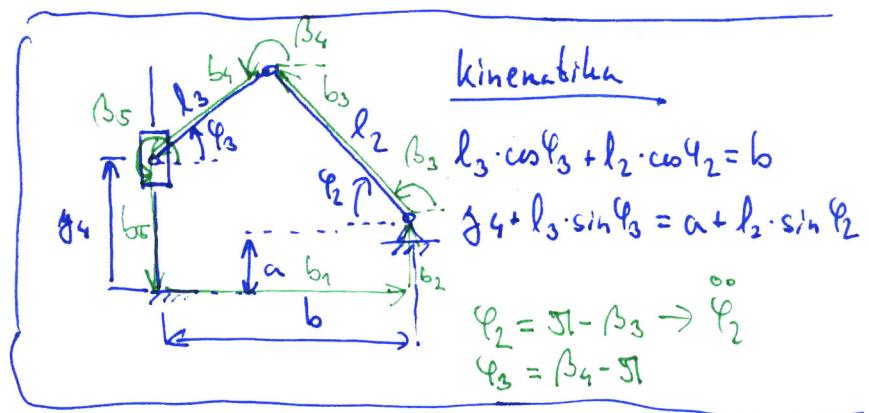
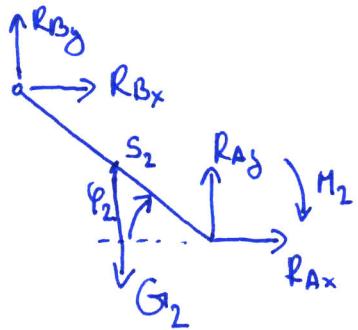


$$n = 3 \cdot (4-1) - 3_{\text{rot}} \cdot 2 - 1_{\text{pos}} \cdot 2 = 9 - 6 - 2 = 1^{\circ} \text{ vlnost}$$



②

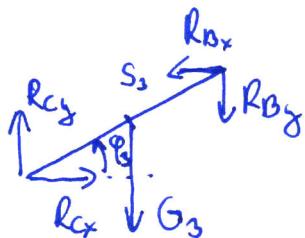


$$m_2 \ddot{x}_{S2} = R_{Ax} + R_{Bx}$$

$$m_2 \ddot{y}_{S2} = R_{Ay} + R_{By} - G_2$$

$$I_{2S2} \ddot{\varphi}_2 = M_2 + R_{Bx} \cdot \frac{l_2}{2} \sin \varphi_2 + R_{By} \cdot \frac{l_2}{2} \cos \varphi_2 - R_{Ax} \cdot \frac{l_2}{2} \sin \varphi_2 - R_{Ay} \cdot \frac{l_2}{2} \cos \varphi_2$$

③

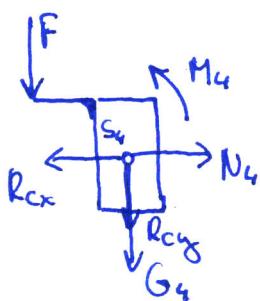


$$m_3 \ddot{x}_{S3} = R_{Cx} - R_{Bx}$$

$$m_3 \ddot{y}_{S3} = R_{Cy} - R_{By} - G_3$$

$$I_{3S3} \ddot{\varphi}_3 = (R_{Bx} + R_{Cx}) \cdot \frac{l_3}{2} \sin \varphi_3 - (R_{By} + R_{Cy}) \cdot \frac{l_3}{2} \cos \varphi_3$$

④



$$m_4 \ddot{x}_{S4} = N_4 - R_{Cx}$$

$$m_4 \ddot{y}_{S4} = -F - G_4 - R_{Cy}$$

$$I_{4S4} \ddot{\varphi}_4 = F \cdot c + M_4$$

||

