

- 4.38 $F_{Ax} = -106,1 \text{ N}$, $F_{Ay} = 117,5 \text{ N}$, $F_A = 158,3 \text{ N}$, $F_{Bx} = F_{Cx} = 31,13 \text{ N}$,
 $F_{By} = F_{Cy} = 12,45 \text{ N}$, $F_B = F_C = 33,53 \text{ N}$.
- 4.39 $F_{Ax} = 8,66 \text{ kN}$, $F_{Ay} = 10 \text{ kN}$, $F_A = 13,23 \text{ kN}$, $S_{CE} = 11,55 \text{ kN}$, $S_{CD} = 8,66 \text{ kN}$.
- 4.40 $S_{BD} = S_1 = 1,41 F$, $S_{CD} = S_2 = -F$, $S_{CE} = S_3 = -0,471 F$,
 $F_{Ax} = -1,333 F$, $F_{Ay} = -0,333 F$, $F_A = 1,374 F$.
- 4.41 $Q_{\min} = Q_1 \cdot [2 - (r_1 + r_2) / R]$
- 4.42 $\alpha = 60^\circ$.
- 4.43 $F_{Ax} = 250 \text{ N}$, $F_{Ay} = 100 \text{ N}$, $F_A = 269,3 \text{ N}$, $F_S = 111,8 \text{ N}$.
- 4.44 $F_{Ax} = -4,2 \text{ kN}$, $F_{Ay} = 8,75 \text{ kN}$, $F_A = 9,706 \text{ kN}$, $S = -2,88 \text{ kN}$.
- 4.45 $F_{Ax} = 93 \text{ N}$, $F_{Ay} = 343 \text{ N}$, $F_A = 355,4 \text{ N}$, $S_{CB} = 102,3 \text{ N}$.
- 4.46 $S_1 = -0,875 \text{ kN}$, $S_2 = -2,125 \text{ kN}$, $S_3 = -5 \text{ kN}$.
- 4.47 $F_{Ax} = 8 \text{ kN}$, $F_{Ay} = -2 \text{ kN}$, $F_A = 8,25 \text{ kN}$, $F_B = S_1 = 4,47 \text{ kN}$, $S_2 = 8,94 \text{ kN}$.
- 4.48 $S_1 = 1,235 \text{ kN}$, $S_2 = 3,375 \text{ kN}$, $S_3 = 3,867 \text{ kN}$.
- 4.49 $S_1 = 40 \text{ N}$, $S_2 = -60 \text{ N}$, $S_3 = -70 \text{ N}$.
- 4.50 $F_{Ax} = -1,5 \text{ kN}$, $F_{Ay} = 7,92 \text{ kN}$, $F_A = 8,07 \text{ kN}$, $F_B = -2,12 \text{ kN}$,
 $S_1 = -11,59 \text{ kN}$, $S_2 = 2,2 \text{ kN}$, $S_3 = 4,24 \text{ kN}$.
- 4.51 $S_1 = 15,6 \text{ kN}$, $S_2 = -9,6 \text{ kN}$, $S_3 = -8,485 \text{ kN}$.
- 4.52 $F_{Ax} = 303,1 \text{ N}$, $F_{Ay} = 336,65 \text{ N}$, $F_A = 453 \text{ N}$, $F_B = 398,35 \text{ N}$.
- 4.53 $F_{Ax} = 28,28 \text{ N}$, $F_{Ay} = -1,184 \text{ N}$, $F_A = 28,31 \text{ N}$, $S_{CD} = -104,5 \text{ N}$.
- 4.54 $F_N = 1060,7 \text{ N}$, $F_C = 375 \text{ N}$, $F_S = 250 \text{ N}$,
 $F_{Ax1} = -500 \text{ N}$, $F_{Ay1} = 750 \text{ N}$, (zbog grede AC)
 $F_{Ax2} = 375 \text{ N}$, $F_{Ay2} = 750 \text{ N}$, (zbog grede AB) $F_A = 1505 \text{ N}$.
- 4.55 $S_1 = 183,1 \text{ kN}$, $S_2 = -136,9 \text{ kN}$, $S_3 = -40 \text{ kN}$.
- 4.56 $S_1 = -14,2 \text{ kN}$; $S_2 = 7,1 \text{ kN}$; $S_3 = -10,1 \text{ kN}$.
- 4.57 $F_S = 400 \text{ N}$, $F_A = 1000 \text{ N}$, $F_B = 346 \text{ N}$.
- 4.58 $F_{Ax} = 2 \text{ kN}$, $F_{Ay} = 8,53 \text{ kN}$, $F_A = 8,77 \text{ kN}$, $F_B = 4 \text{ kN}$, $F_E = 16 \text{ kN}$,
 $F_{Cx} = 14 \text{ kN}$, $F_{Cy} = 3,46 \text{ kN}$, $F_C = 14,42 \text{ kN}$.
- 4.59 $Q_4 = 1,5Q$.
- 4.60 $F_A = 461,9 \text{ N}$, $F_{Bx} = -577,4 \text{ N}$, $F_{By} = 600 \text{ N}$, $F_B = 832,7 \text{ N}$.
- 4.61 $F = F_{Cx} = F_{Cy} = 250 \text{ N}$, $F_C = 353,6 \text{ N}$.
- 4.62 $Q = 12 \text{ kN}$, $F_{Ax} = 12 \text{ kN}$, $F_{Ay} = -9 \text{ kN}$, $F_A = 15 \text{ kN}$.
- 4.63 $F_A = F_{Ay} = 400 \text{ N}$, $F_B = F_{By} = 400 \text{ N}$, $F_C = 100 \text{ N}$, $F_D = F_{Dy} = 100 \text{ N}$,
 $M_A = -320 \text{ N}\cdot\text{m}$.
- 4.64 $F_A = F_{Ay} = 1600 \text{ N}$, $M_A = 381 \text{ N}\cdot\text{m}$, $F_S = 953 \text{ N}$.
- 4.65 $F_g = 400 \text{ N}$.
- 4.66 $Q = 23,094 \text{ N}$.
- 4.67 $Q = 3,66 \text{ kN}$.
- 4.68 $F_1 = 13,41 \text{ kN}$; $F_2 = 14,53 \text{ kN}$, $F_A = 14,41 \text{ kN}$.
- 4.69 $Q_2 = 204,1 \text{ N}$.