

6.1 RAVNOTEŽA RAVNIH REŠETKASTIH NOSAČA

- 6.1 $F_A = 2,667 \text{ kN}$, $F_B = 3,333 \text{ kN}$, $S_1 = -3,78 \text{ kN}$, $S_2 = 2,67 \text{ kN}$, $S_3 = 2,00 \text{ kN}$,
 $S_4 = -3,33 \text{ kN}$, $S_5 = 0,95 \text{ kN}$, $S_6 = 2,67 \text{ kN}$, $S_7 = -0,67 \text{ kN}$, $S_8 = 3,33 \text{ kN}$,
 $S_9 = -4,71 \text{ kN}$.
- 6.2 $F_A = 1,732 \text{ kN}$, $F_B = 3,732 \text{ kN}$, $S_1 = 3,00 \text{ kN}$, $S_2 = -1,732 \text{ kN}$, $S_3 = 1,00 \text{ kN}$,
 $S_4 = 3,00 \text{ kN}$, $S_5 = -4,464 \text{ kN}$, $S_6 = 1,00 \text{ kN}$, $S_7 = 0$, $S_8 = -1,732 \text{ kN}$, $S_9 = 1,00 \text{ kN}$,
 $S_{10} = -1,732 \text{ kN}$, $S_{11} = 0$.
- 6.3 $F_A = 4,437 \text{ kN}$, $F_B = 4,224 \text{ kN}$, $S_1 = -5,13 \text{ kN}$, $S_2 = 2,45 \text{ kN}$, $S_3 = 5,21 \text{ kN}$,
 $S_4 = -2,12 \text{ kN}$, $S_5 = -6,01 \text{ kN}$, $S_6 = -2,12 \text{ kN}$, $S_7 = 8,50 \text{ kN}$, $S_8 = 8,50 \text{ kN}$,
 $S_9 = -11,20 \text{ kN}$.
- 6.4 $F_A = 1286 \text{ N}$, $F_{Bx} = 1286 \text{ N}$, $F_{By} = 2000 \text{ N}$, $F_B = 2375 \text{ N}$, $S_1 = -810 \text{ N}$, $S_2 = 705 \text{ N}$,
 $S_3 = -600 \text{ N}$, $S_4 = 705 \text{ N}$, $S_5 = 556 \text{ N}$, $S_6 = -1296 \text{ N}$, $S_7 = -460 \text{ N}$, $S_8 = 1440 \text{ N}$,
 $S_9 = 405 \text{ N}$, $S_{10} = -1484 \text{ N}$, $S_{11} = -1270 \text{ N}$.
- 6.5 $F_A = 4,07 \text{ kN}$, $F_B = 3,6 \text{ kN}$, $S_1 = -3,00 \text{ kN}$, $S_2 = -1,63 \text{ kN}$, $S_3 = 5,20 \text{ kN}$,
 $S_4 = -6,00 \text{ kN}$, $S_5 = 4,36 \text{ kN}$, $S_6 = -1,414 \text{ kN}$, $S_7 = -5,80 \text{ kN}$, $S_8 = 4,36 \text{ kN}$,
 $S_9 = -1,414 \text{ kN}$.
- 6.6 $F_A = 1,872 \text{ kN}$, $F_B = 1,417 \text{ kN}$, $S_1 = -1,90 \text{ kN}$, $S_2 = 2,05 \text{ kN}$, $S_3 = 1,90 \text{ kN}$,
 $S_4 = -2,10 \text{ kN}$, $S_5 = 0,50 \text{ kN}$, $S_6 = 2,84 \text{ kN}$, $S_7 = -1,70 \text{ kN}$, $S_8 = -0,90 \text{ kN}$,
 $S_9 = 1,70 \text{ kN}$, $S_{10} = 0,95 \text{ kN}$, $S_{11} = -1,70 \text{ kN}$.
- 6.7 $F_A = 43,53 \text{ kN}$, $F_B = 45,97 \text{ kN}$, $S_1 = -58,66 \text{ kN}$, $S_2 = 54,67 \text{ kN}$, $S_3 = -38,66 \text{ kN}$,
 $S_4 = -77,31 \text{ kN}$, $S_5 = 26,40 \text{ kN}$, $S_6 = 38,66 \text{ kN}$, $S_7 = -30,00 \text{ kN}$, $S_8 = -77,31 \text{ kN}$,
 $S_9 = 16,04 \text{ kN}$, $S_{10} = 45,97 \text{ kN}$, $S_{11} = -45,97 \text{ kN}$, $S_{12} = -45,97 \text{ kN}$, $S_{13} = 65,05 \text{ kN}$.
- 6.8 $F_A = 8,8 \text{ kN}$, $S_1 = 9,1 \text{ kN}$, $S_2 = 2,7 \text{ kN}$, $S_3 = 9,3 \text{ kN}$, $S_4 = 4,5 \text{ kN}$, $S_5 = -3,4 \text{ kN}$,
 $S_6 = 0$, $S_7 = -6,2 \text{ kN}$, $S_8 = 1,3 \text{ kN}$, $S_9 = -3,4 \text{ kN}$, $S_{10} = 0$, $S_{11} = -6,2 \text{ kN}$,
 $S_{12} = 4,2 \text{ kN}$, $S_{13} = -5,3 \text{ kN}$, $S_{14} = 0$, $S_{15} = -5,3 \text{ kN}$, $S_{16} = -4,2 \text{ kN}$.
- 6.9 $F_A = 130,40 \text{ kN}$, $F_B = 174,27 \text{ kN}$, $S_1 = 106,0 \text{ kN}$, $S_2 = 31,7 \text{ kN}$, $S_3 = 0$,
 $S_4 = 140,0 \text{ kN}$, $S_5 = -106,1 \text{ kN}$, $S_6 = 31,7 \text{ kN}$, $S_7 = -70,0 \text{ kN}$, $S_8 = 70,0 \text{ kN}$,
 $S_9 = 99,0 \text{ kN}$, $S_{10} = -140,0 \text{ kN}$, $S_{11} = -70,0 \text{ kN}$, $S_{12} = -70,0 \text{ kN}$, $S_{13} = 70,7 \text{ kN}$,
 $S_{14} = 20,0 \text{ kN}$, $S_{15} = 0$, $S_{16} = 20,0 \text{ kN}$, $S_{17} = -28,3 \text{ kN}$, $S_{18} = -174,3 \text{ kN}$.
- 6.10 $F_A = 19,84 \text{ kN}$, $F_B = 18,54 \text{ kN}$, $S_1 = 11,46 \text{ kN}$, $S_2 = -26,21 \text{ kN}$, $S_3 = 0$,
 $S_4 = -26,21 \text{ kN}$, $S_5 = 27,07 \text{ kN}$, $S_6 = -26,21 \text{ kN}$, $S_7 = -10,00 \text{ kN}$,
 $S_8 = -26,21 \text{ kN}$, $S_9 = 18,54 \text{ kN}$.
- 6.11 $F_A = 49,4 \text{ kN}$, $F_B = 33,7 \text{ kN}$, $S_1 = 0$, $S_2 = -8,00 \text{ kN}$, $S_3 = 8,58 \text{ kN}$, $S_4 = 0$,
 $S_6 = 0$, $S_5 = -8,58 \text{ kN}$, $S_7 = -13,00 \text{ kN}$, $S_8 = 7,68 \text{ kN}$, $S_9 = 14,44 \text{ kN}$, $S_{10} = 3,00 \text{ kN}$,
 $S_{11} = -14,44 \text{ kN}$, $S_{12} = -7,68 \text{ kN}$, $S_{13} = -16,40 \text{ kN}$, $S_{14} = 19,84 \text{ kN}$, $S_{15} = 18,10 \text{ kN}$,
 $S_{16} = 6,30 \text{ kN}$, $S_{17} = -18,10 \text{ kN}$, $S_{18} = -19,84 \text{ kN}$, $S_{19} = 14,00 \text{ kN}$.
- 6.12 $F_A = 5,22 \text{ kN}$, $F_B = 6,50 \text{ kN}$, $S_1 = -6,50 \text{ kN}$, $S_2 = 7,07 \text{ kN}$, $S_3 = 0$,
 $S_4 = 7,07 \text{ kN}$, $S_5 = -1,25 \text{ kN}$, $S_6 = -7,51 \text{ kN}$, $S_7 = 7,51 \text{ kN}$, $S_8 = -7,51 \text{ kN}$,
 $S_9 = 7,51 \text{ kN}$, $S_{10} = -7,51 \text{ kN}$, $S_{11} = 3,75 \text{ kN}$, $S_{12} = -6,50 \text{ kN}$.
- 6.13 $F_A = 21,26 \text{ kN}$, $F_B = 25,23 \text{ kN}$, $S_1 = -26,33 \text{ kN}$, $S_2 = 17,47 \text{ kN}$, $S_3 = -14,42 \text{ kN}$,
 $S_4 = -34,33 \text{ kN}$, $S_5 = 18,03 \text{ kN}$, $S_6 = 6,65 \text{ kN}$, $S_7 = -21,63 \text{ kN}$, $S_8 = -29,33 \text{ kN}$,
 $S_9 = 24,18 \text{ kN}$, $S_{10} = -4,16 \text{ kN}$, $S_{11} = 0$, $S_{12} = -21,67 \text{ kN}$, $S_{13} = 0$,
 $S_{14} = -21,67 \text{ kN}$, $S_{15} = 0$, $S_{16} = -4,16 \text{ kN}$, $S_{17} = 0$, $S_{18} = -21,67 \text{ kN}$, $S_{19} = -4,16 \text{ kN}$.
- 6.14 $S_6 = 4,619 \text{ kN}$, $S_7 = -2,309 \text{ kN}$, $S_8 = -4 \text{ kN}$.
- 6.15 $S_1 = -0,732 \text{ kN}$, $S_2 = 0$, $S_3 = 2 \text{ kN}$.