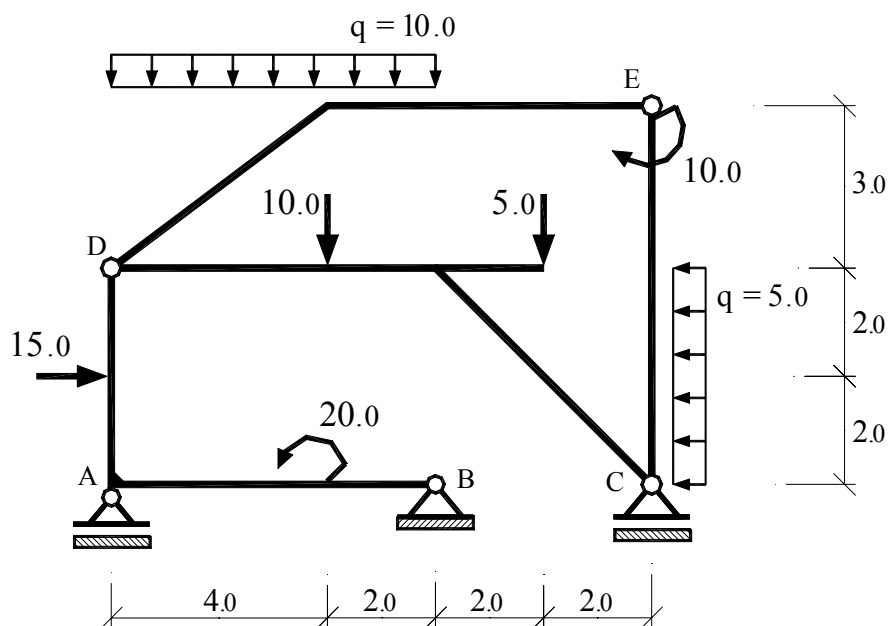
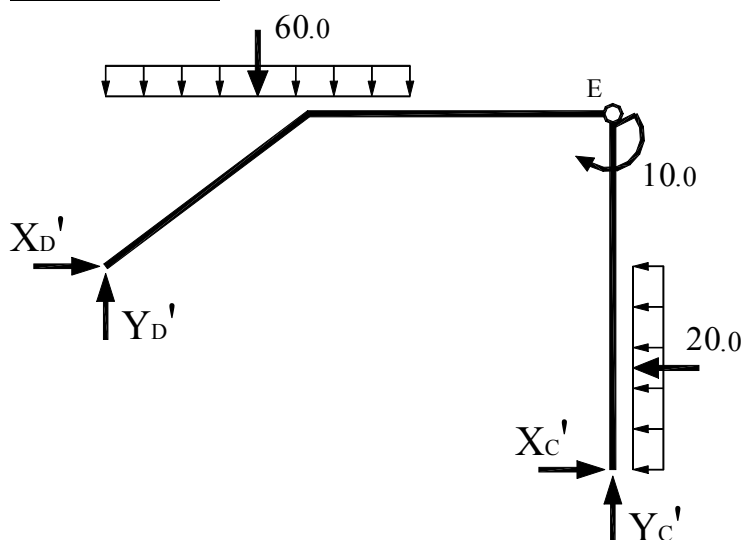


ГРУПА **A**

1.



део D - E - C



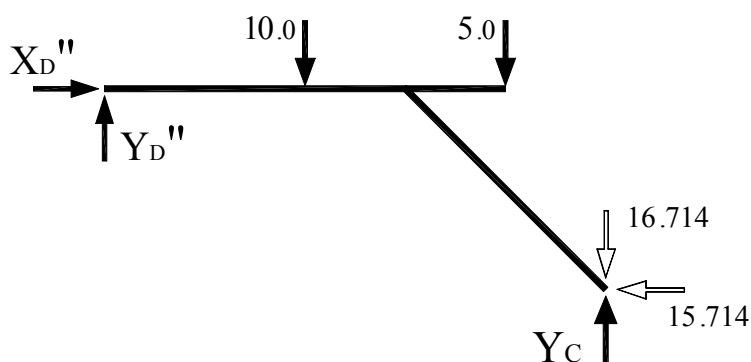
$$\sum M_E^{\text{доле}} = 0 \Rightarrow X_C' = 15.714$$

$$\sum X = 0 \Rightarrow X_D' = 4.286$$

$$\sum M_E^{\text{лево}} = 0 \Rightarrow Y_D' = 43.286$$

$$\sum Y = 0 \Rightarrow Y_C' = 16.714$$

део D - C

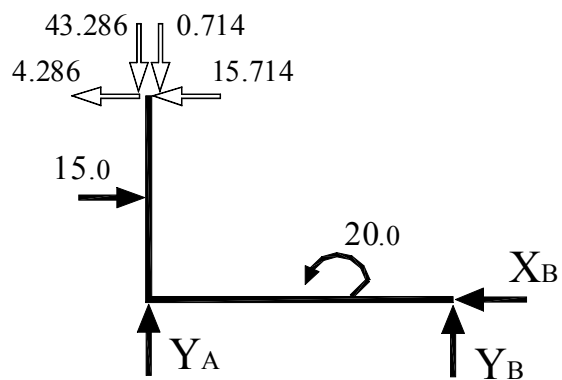


$$\sum M_D = 0 \Rightarrow Y_C = 31.0$$

$$\sum Y = 0 \Rightarrow Y_D'' = 0.714$$

$$\sum X = 0 \Rightarrow X_D'' = 15.714$$

део A - B

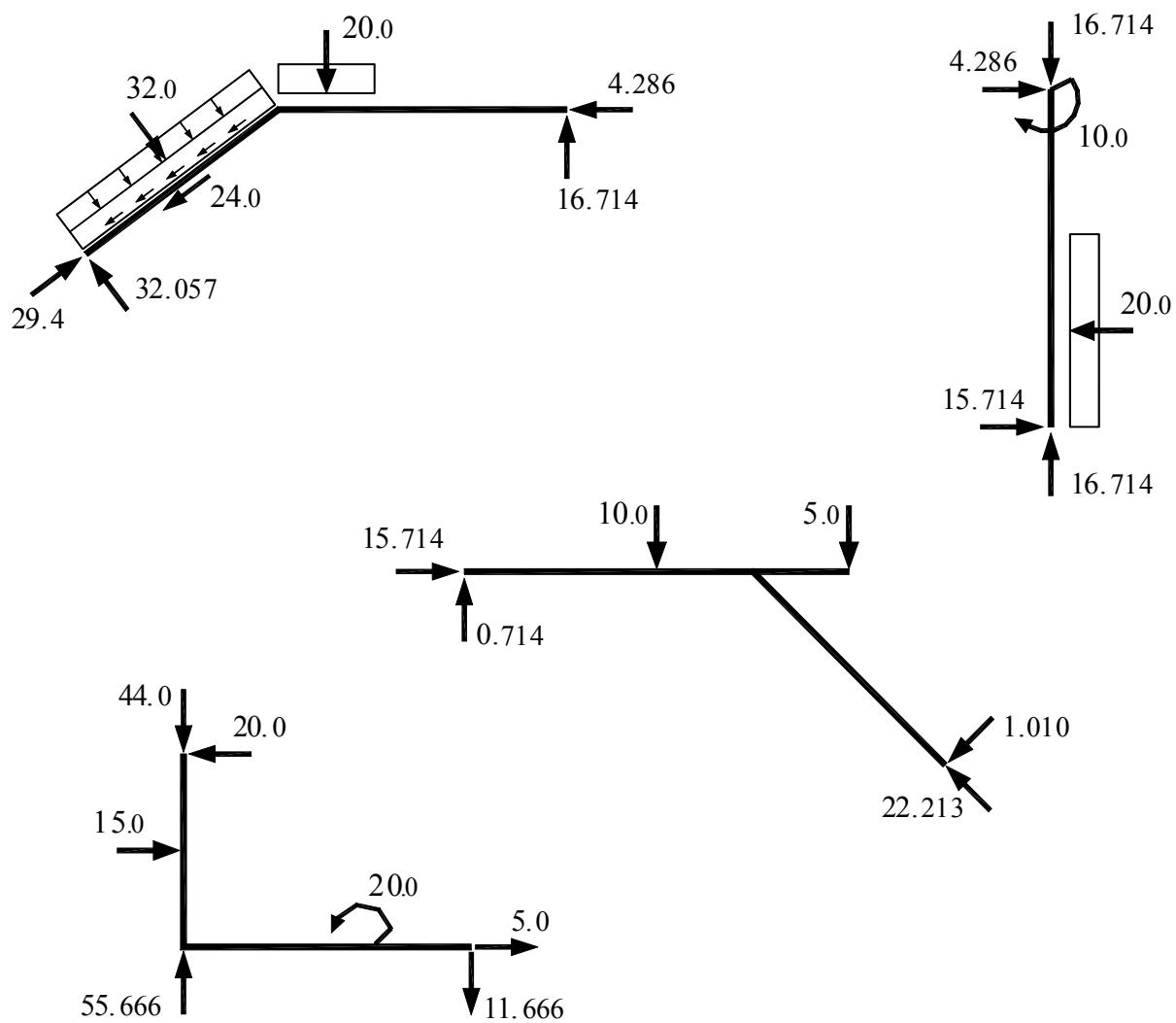


$$\sum M_B = 0 \Rightarrow Y_A = 55.666$$

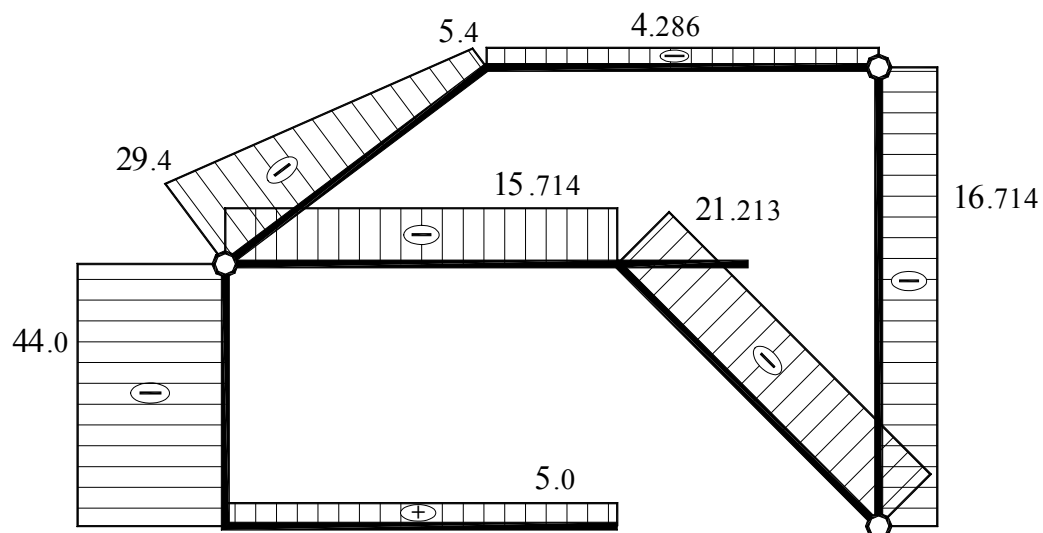
$$\sum Y = 0 \Rightarrow Y_B = -11.666$$

$$\sum X = 0 \Rightarrow X_B = -5.0$$

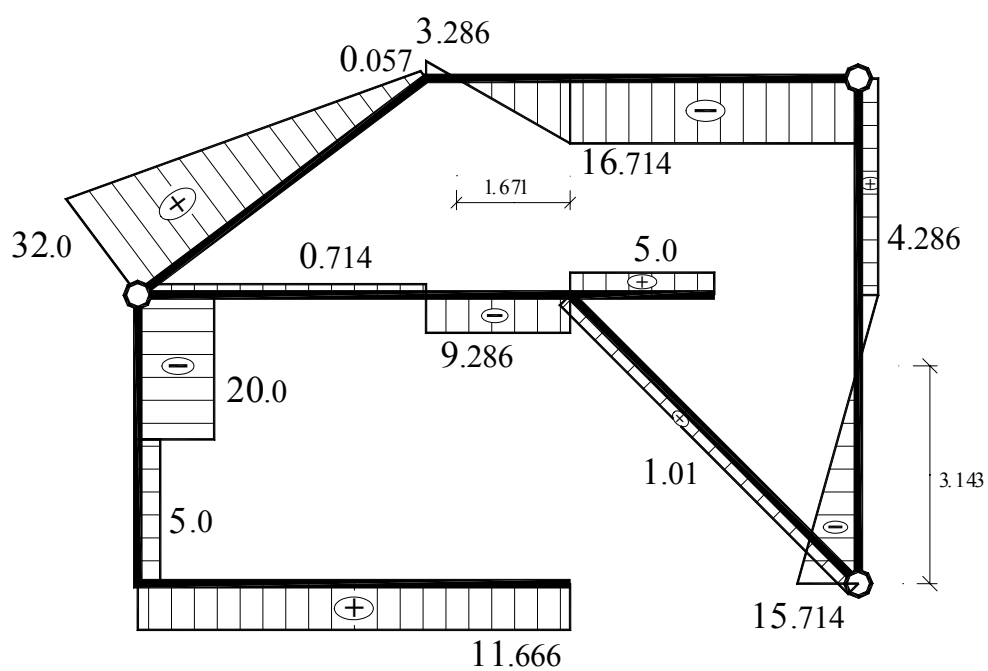
Стварни смерови сила и оптерећења на крајевима плоча



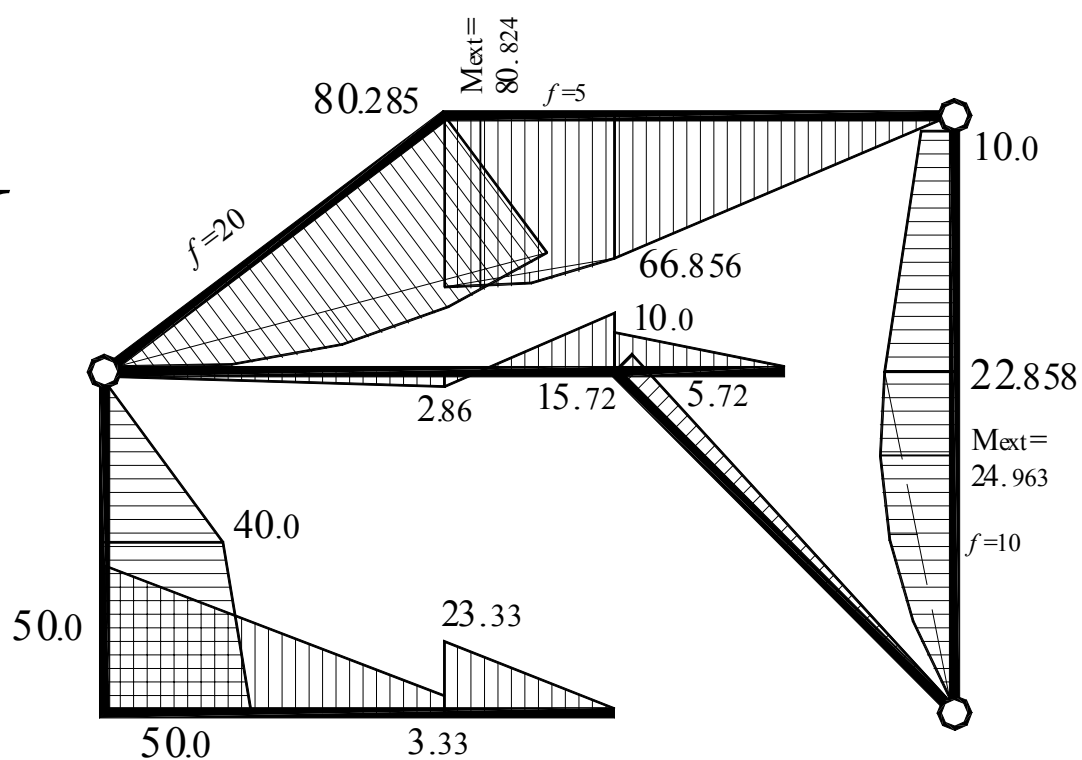
N



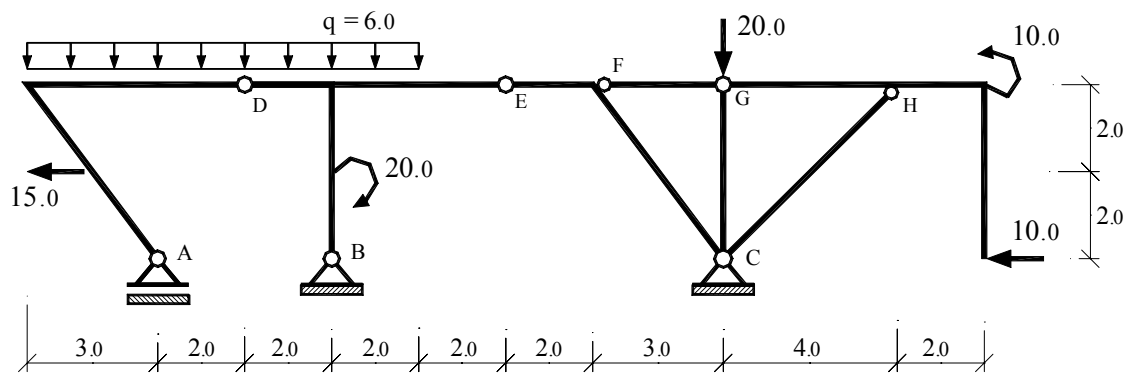
T



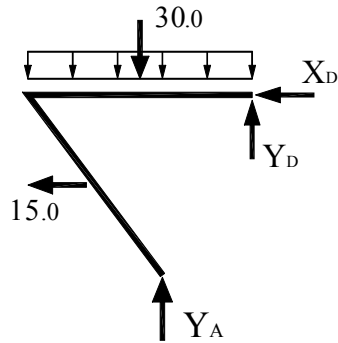
M



2.



део A - D

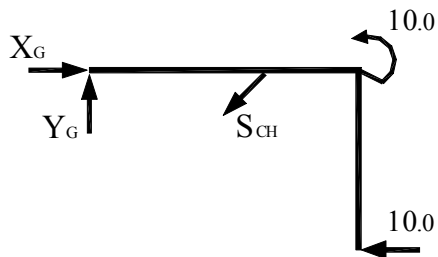


$$\sum M_D = 0 \Rightarrow Y_A = 22.5$$

$$\sum Y = 0 \Rightarrow Y_D = 7.5$$

$$\sum X = 0 \Rightarrow X_D = -15.0$$

део C - H - G

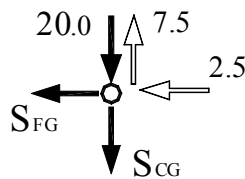


$$\sum M_G = 0 \Rightarrow S_{CH} = -7.5 \cdot \sqrt{2}$$

$$\sum Y = 0 \Rightarrow Y_G = -7.5$$

$$\sum X = 0 \Rightarrow X_G = 10.0$$

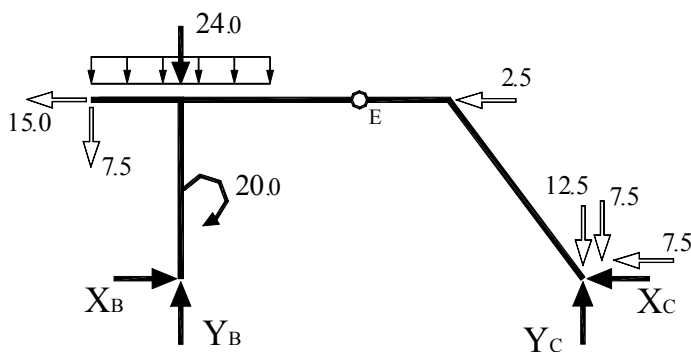
равнотежа чвора G



$$\sum X = 0 \Rightarrow S_{FG} = -2.5$$

$$\sum Y = 0 \Rightarrow S_{CG} = -12.5$$

део B - E - C



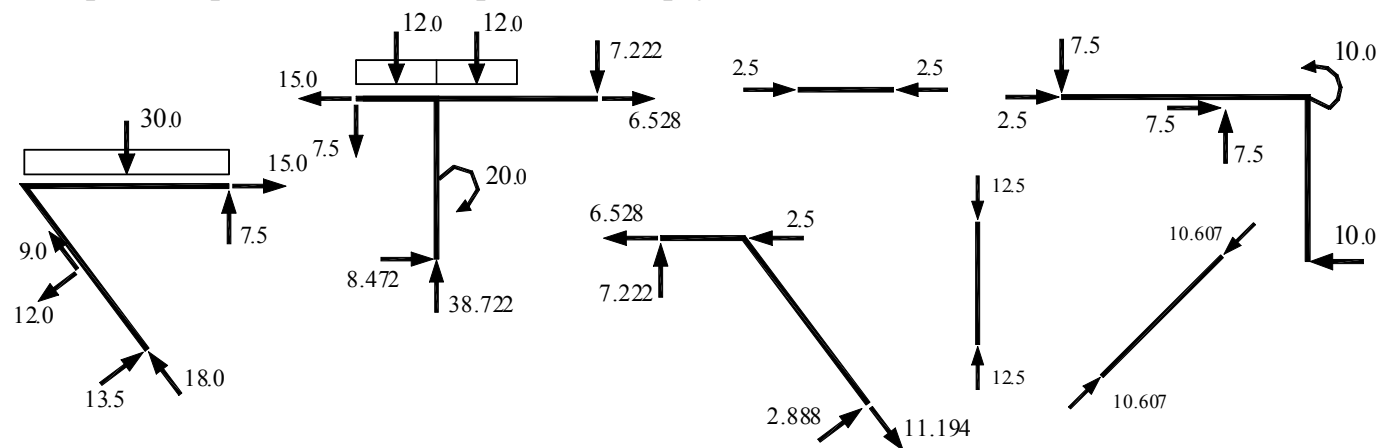
$$\sum M_B = 0 \Rightarrow Y_C = 12.777$$

$$\sum Y = 0 \Rightarrow Y_B = 38.722$$

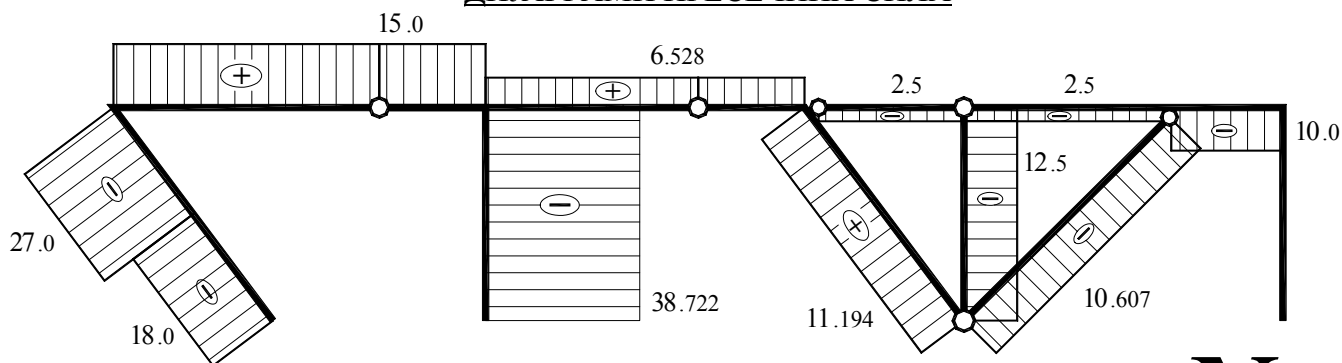
$$\sum M_E^{dec} = 0 \Rightarrow X_C = -16.527$$

$$\sum X = 0 \Rightarrow X_B = 8.472$$

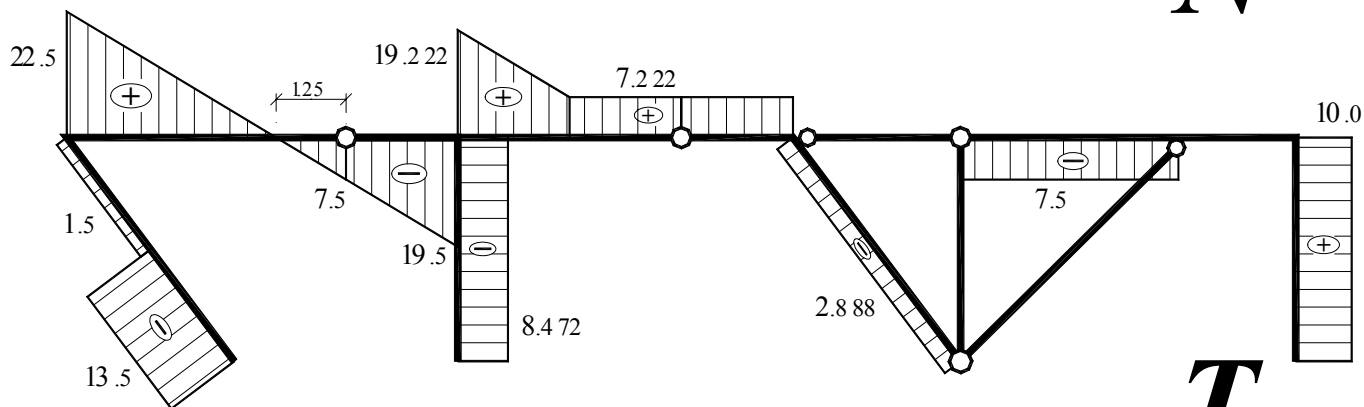
Стварни смерови сила и оптерећења на крајевима плоча



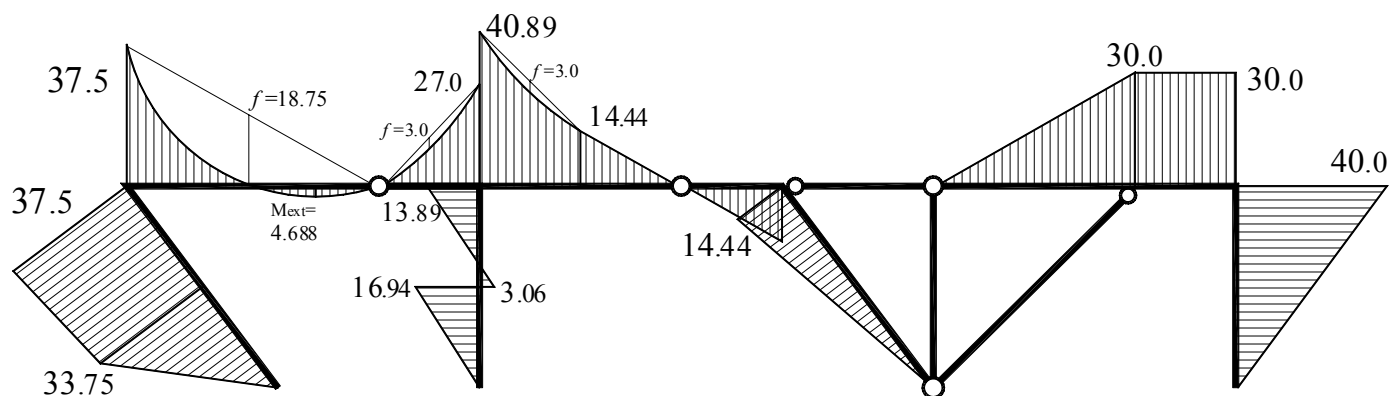
ДИЈАГРАМИ ПРЕСЕЧНИХ СИЛА



N



T



M

3.

