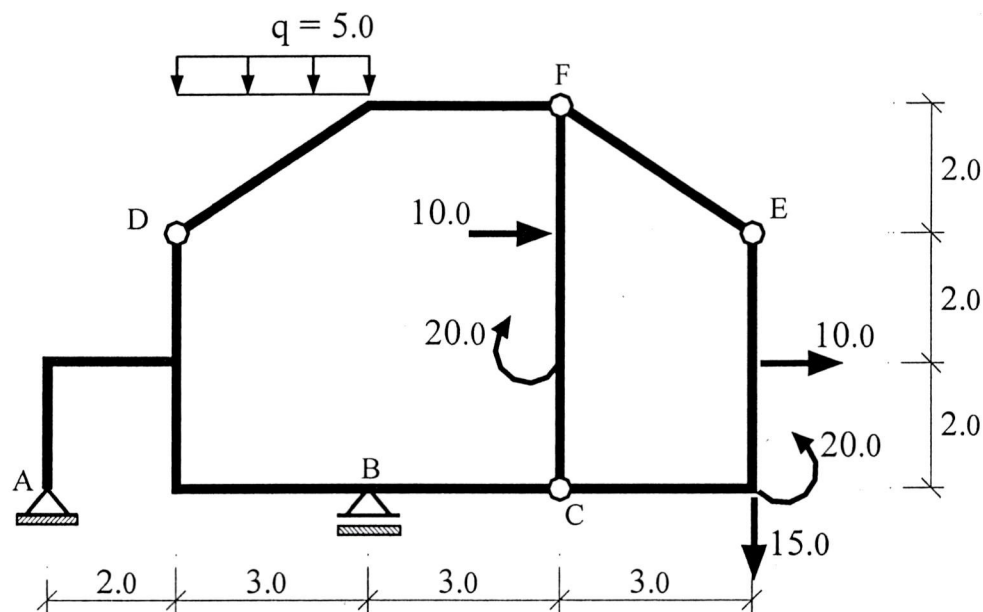


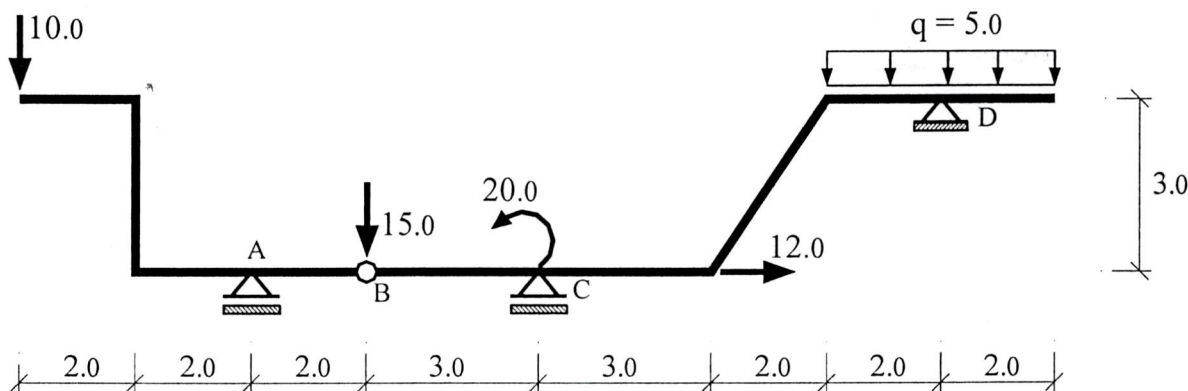
НАЦРТАТИ ДИЈАГРАМЕ СИЛА У ПРЕСЕКУ ЗА ПРИКАЗАНЕ НОСАЧЕ

ГРУПА **A**

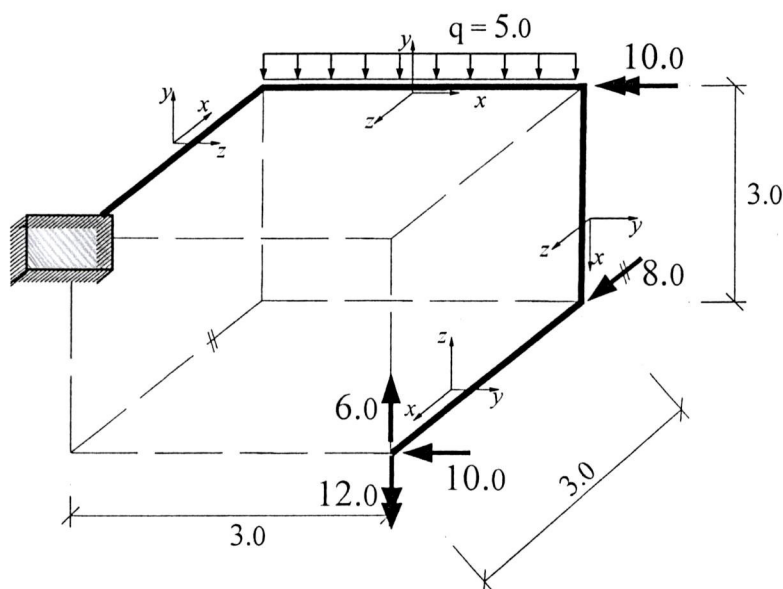
1.
(45%)



2.
(30%)



3.
(25%)



(kN, m)

НАПОМЕНА: Услов за полагање писменог дела испита је:

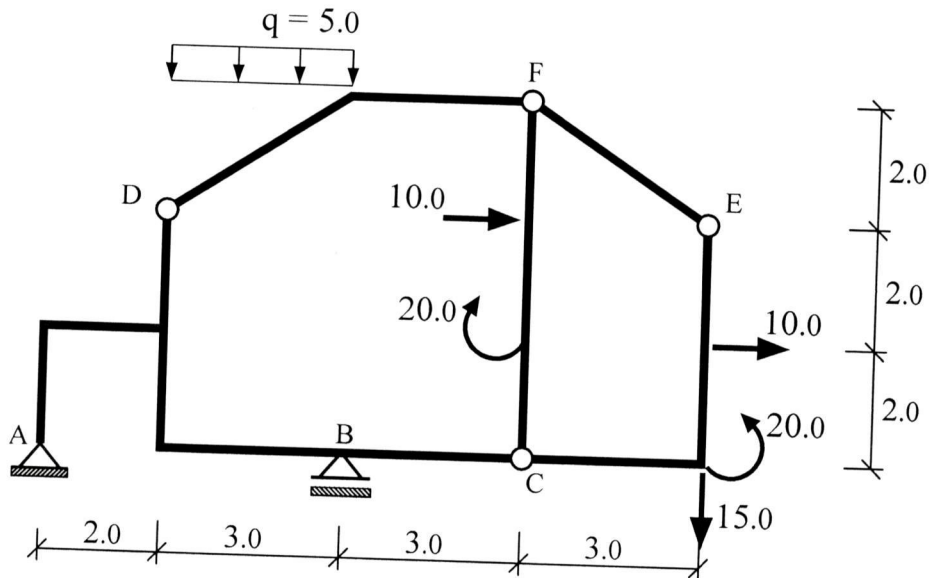
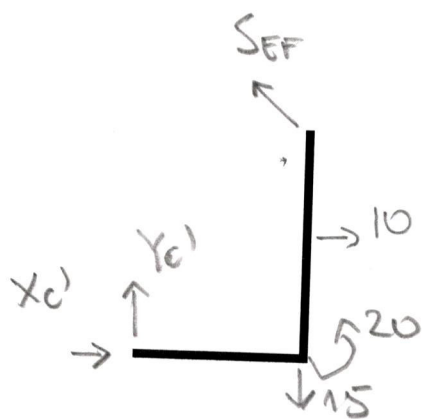
» минимум 50% укупног броја поена,

» минимум 50% тачан дијаграм момената у 1. или 2. зад.

1.

ТМ1-СБП1. 2019

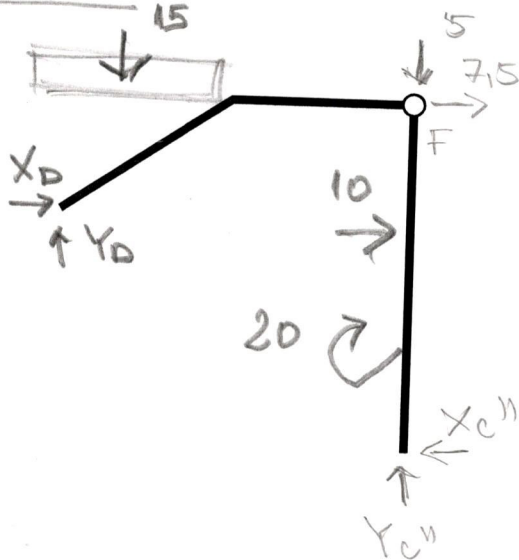
ГРУПА А

C-E-F

$$\sum M_C = 0 \Rightarrow S_{EF} = 9.01$$

$$\sum Y = 0 \Rightarrow Y_C = 10$$

$$\sum X = 0 \Rightarrow X_C = -2.5$$

C-F-D

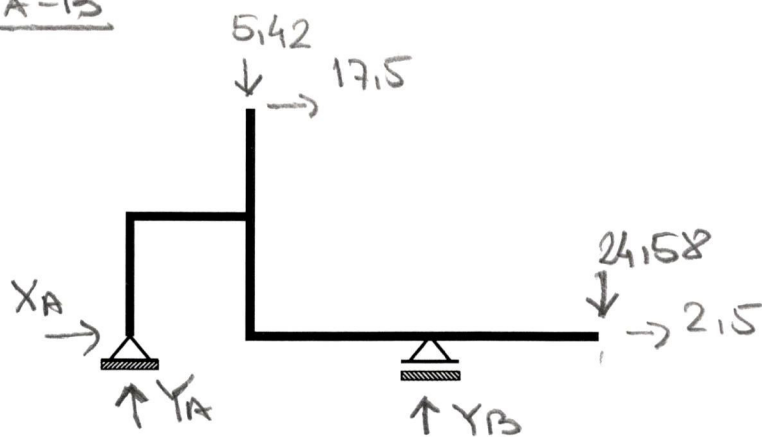
$$\sum M_F = 0 \Rightarrow X_C'' = 0$$

$$\sum X = 0 \Rightarrow X_D = -17.5$$

$$\sum M_F = 0 \Rightarrow Y_D = 5.42$$

$$\sum Y = 0 \Rightarrow Y_C'' = 14.58$$

A-B

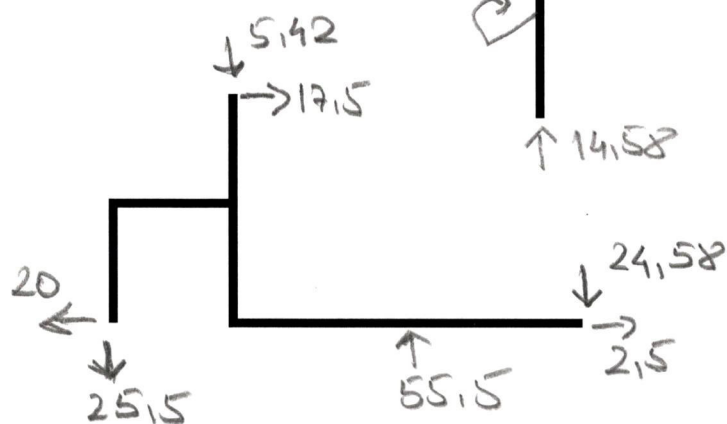
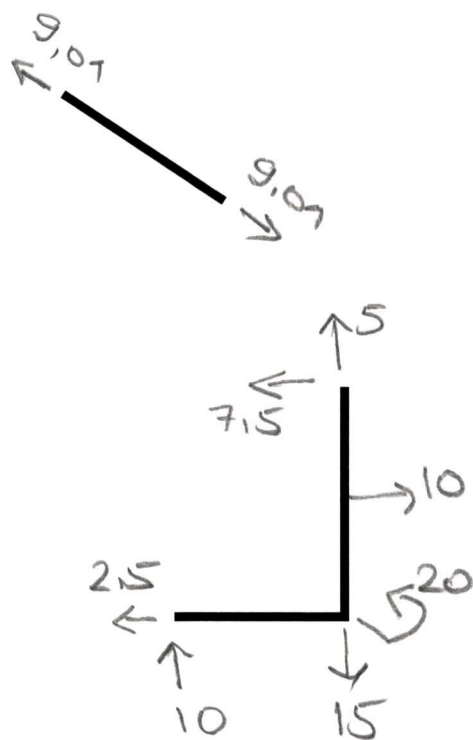
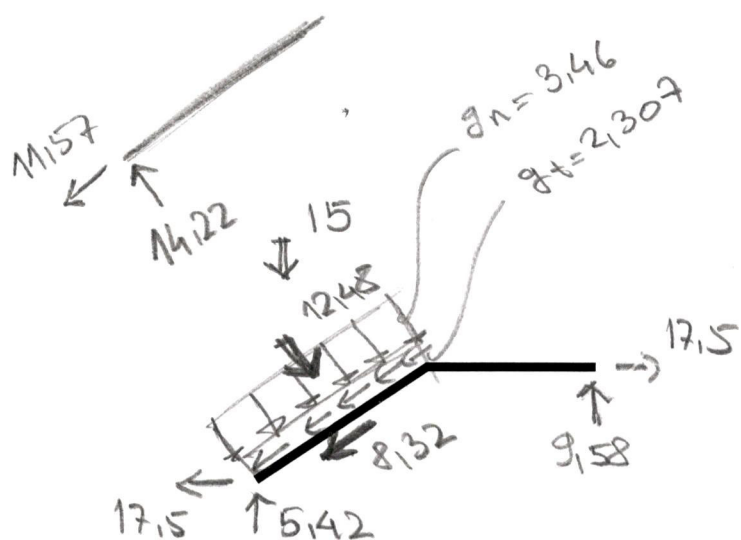


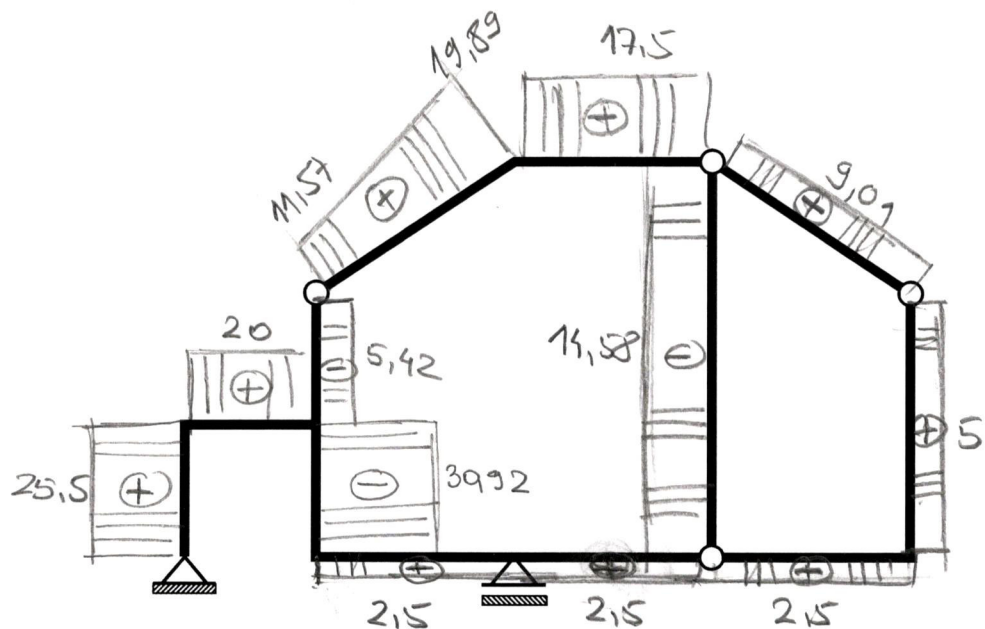
$$\sum M_A = 0 \Rightarrow Y_B = 55.5$$

$$\sum Y = 0 \Rightarrow Y_A = -25.5$$

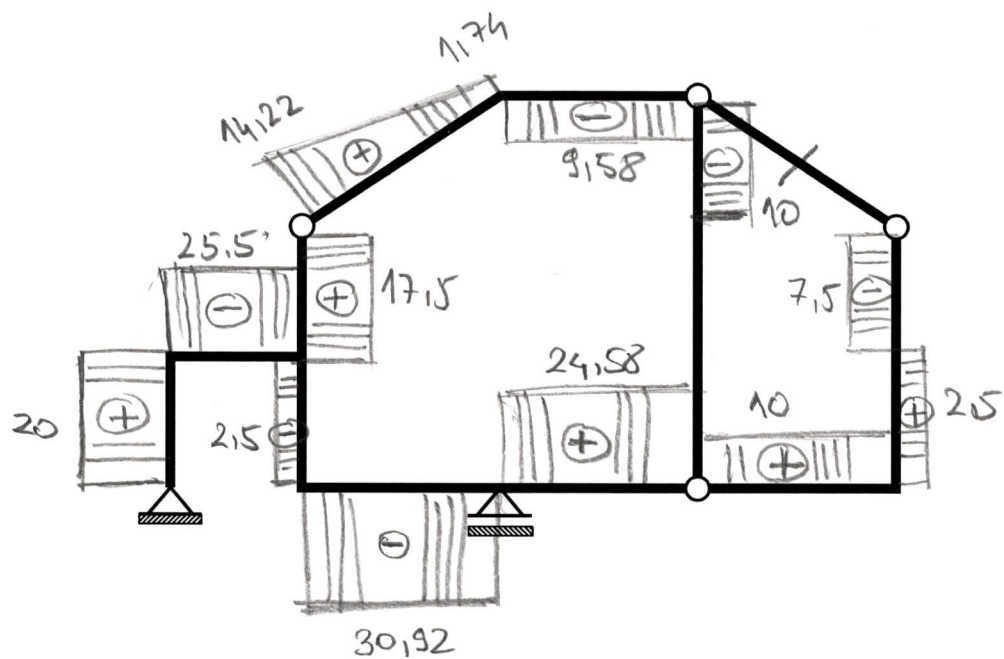
$$\sum X = 0 \Rightarrow X_A = -20$$

РЕКА ДИТУЛАЦИЈА

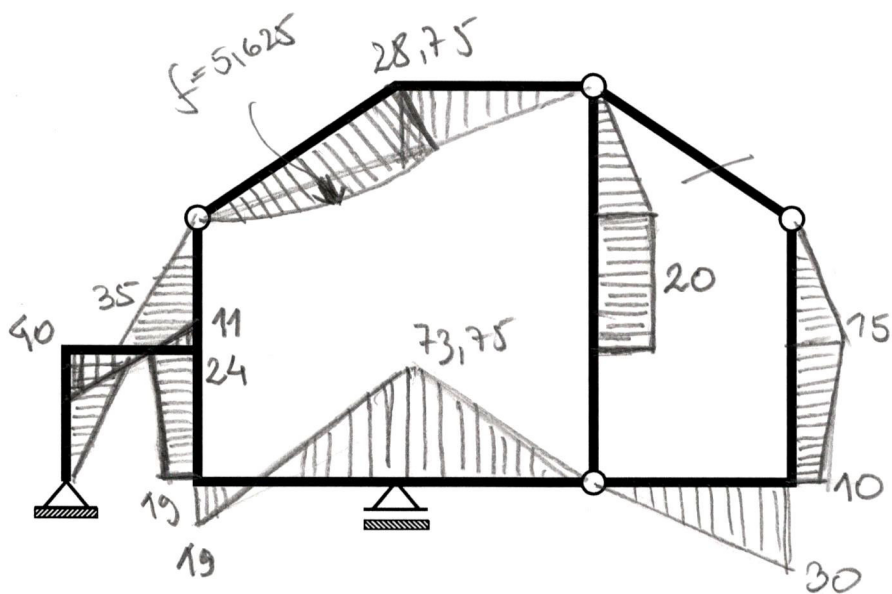




(N)

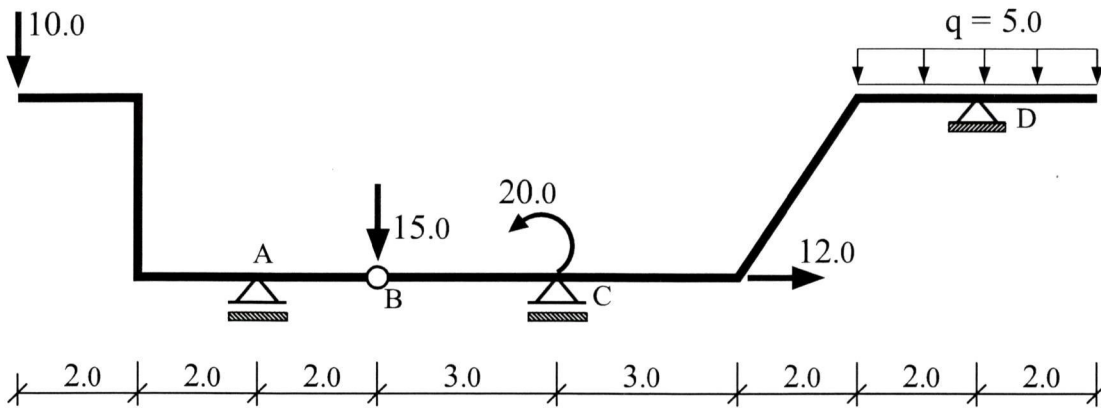


(T)

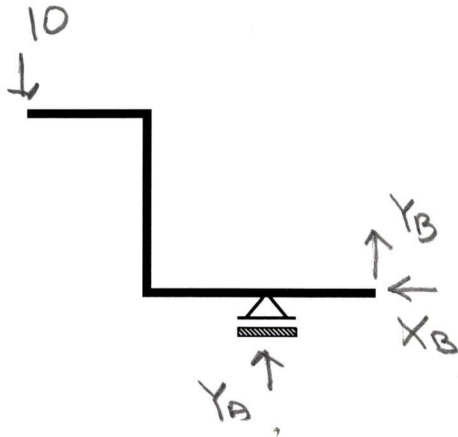


(M)

2.



A-B

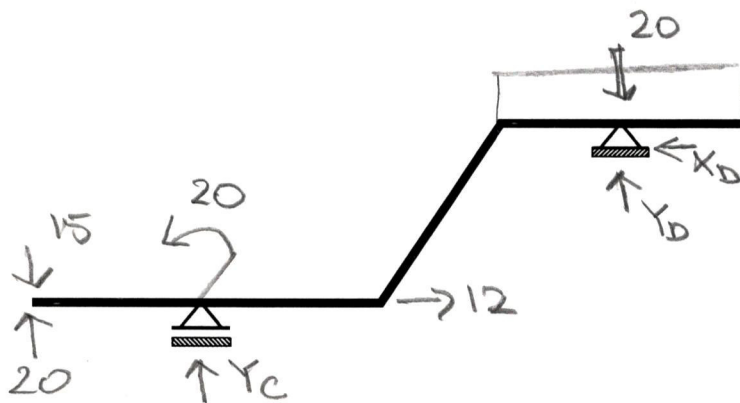


$$\sum M_D = 0 \Rightarrow Y_A = 30$$

$$\sum Y = 0 \Rightarrow Y_B = -20$$

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

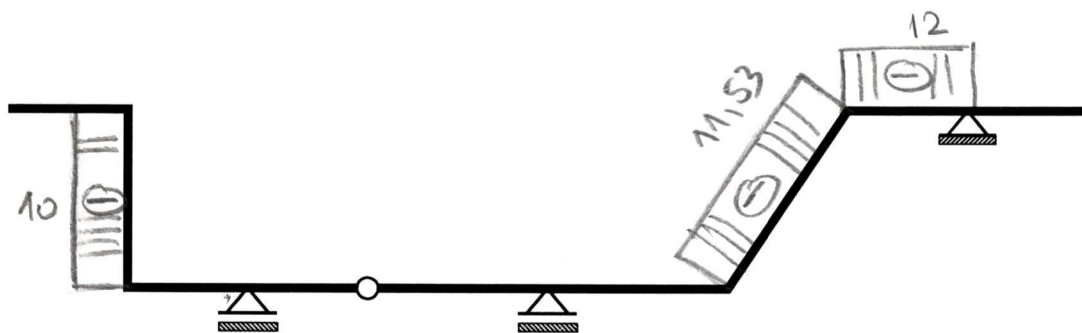
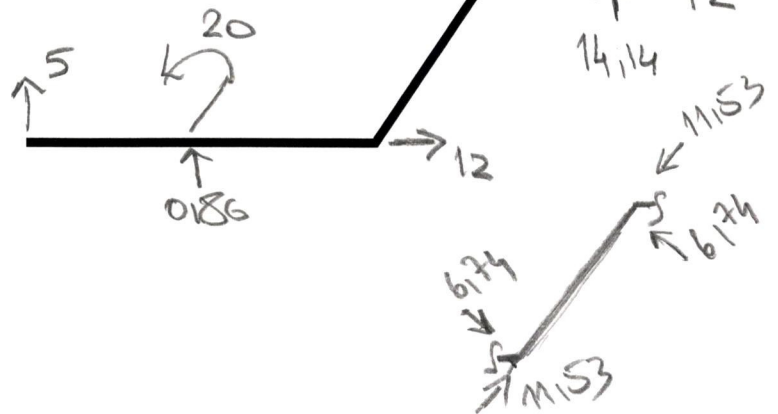
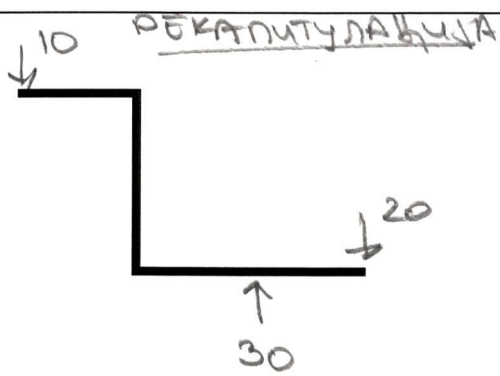
C-D



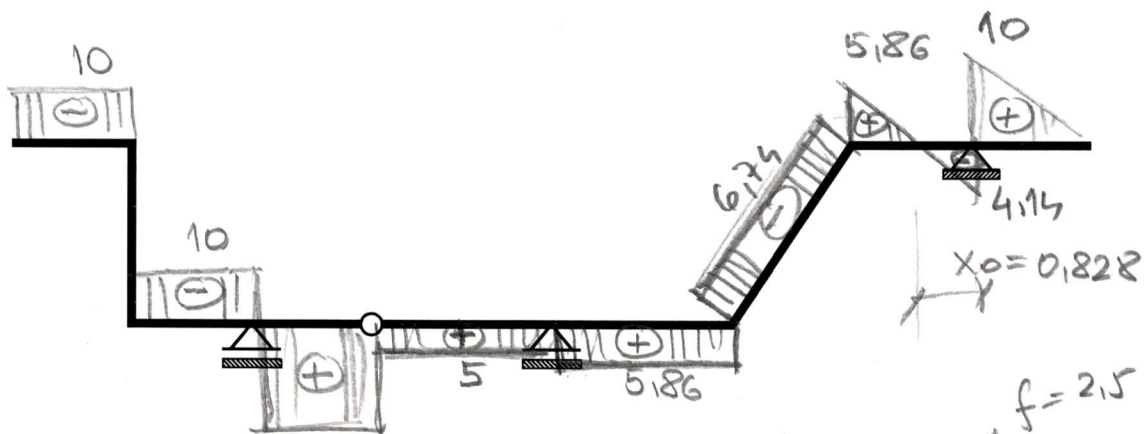
$$\sum M_D = 0 \Rightarrow Y_C = 0.86$$

$$\sum Y = 0 \Rightarrow Y_D = 14.14$$

$$\sum X = 0 \Rightarrow X_D = 12$$

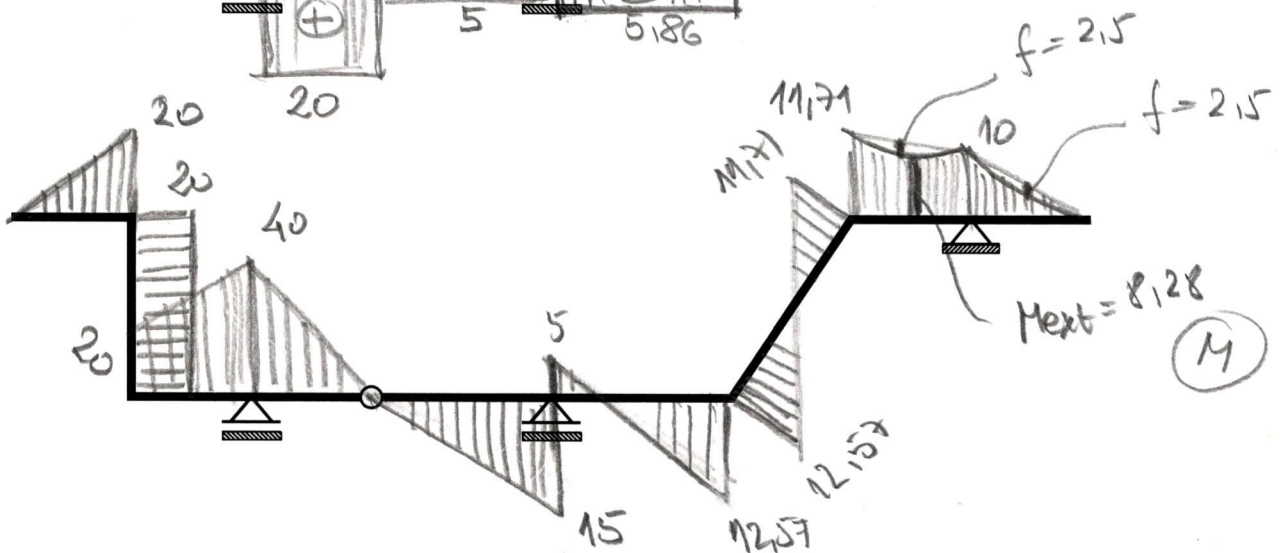


(N)



$$x_0 = 0.828$$

(T)



$$f = 2.5$$

$$f = 2.5$$

$$M_{ext} = 8.28$$

(M)

3.

