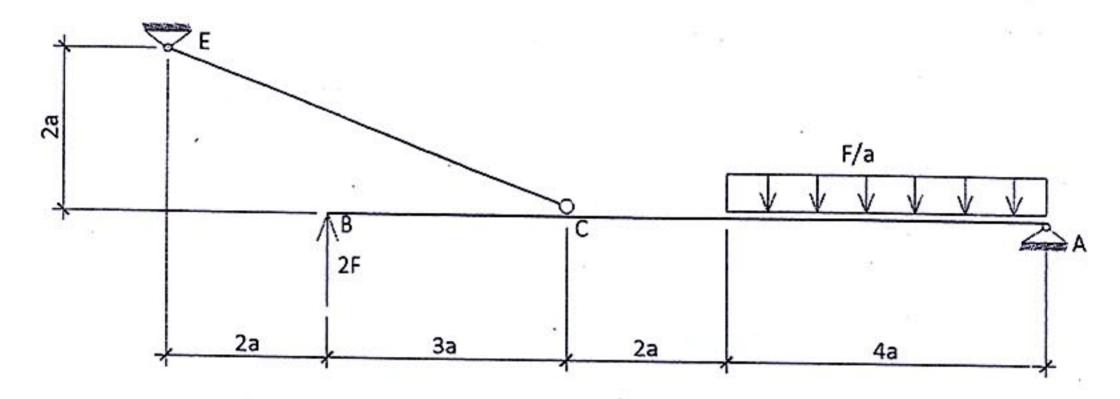
lme i prezime:		
Broj indeksa:	,	

## 1. Zadatak

Za dati nosač i opterećenje odrediti:

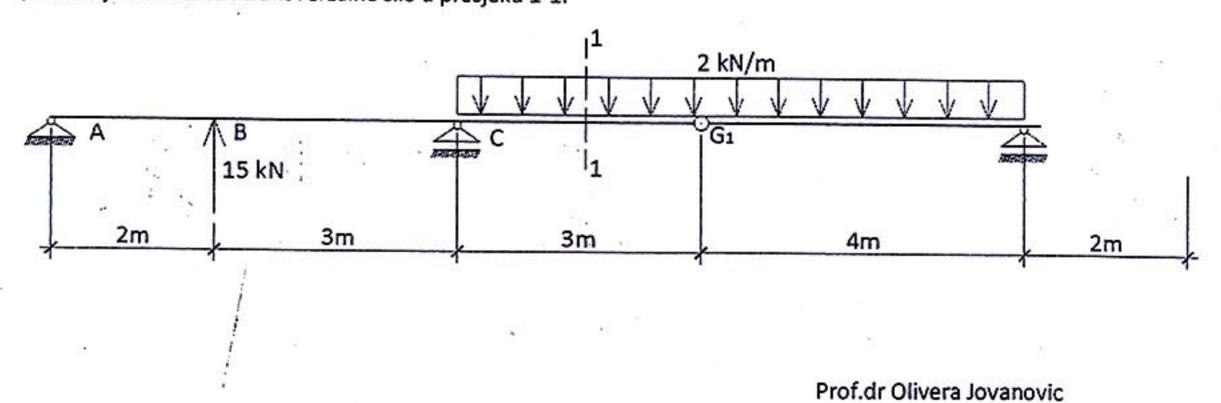
- a/ Reakcije oslonaca i silu u štapu (štap je zanemarljive težine);
- b/ Dijagrame presječnih sila.



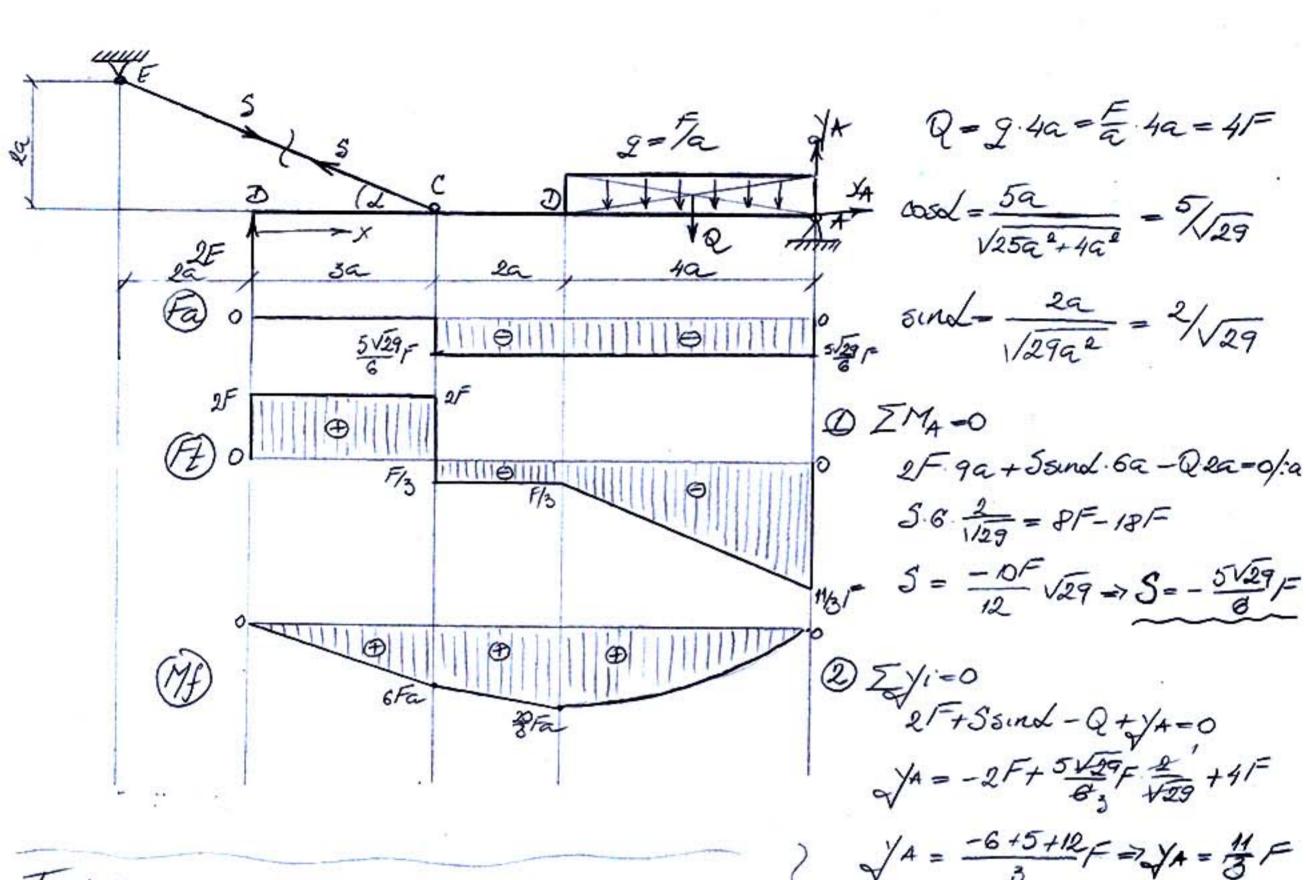
## 2. Zadatak

Za dati nosač odrediti:

- a/ Reakcije oslonaca;
- b/ Dijagrame presječnih sila;
- c/ Funkcije momenta i transverzalne sile u presjeku 1-1.



CTatuka - I konoxbuzun Byta I



3 IX=0

-5000L + XA=0

 $X_4 = -\frac{25}{6}I^{=}$ 

D+A XE[5a,9a)

Fa = Scosd -- 25/=

Ft=5-9.(x-5a)

XA = Scood = - 5429 - 5

Mf = 5x+5Fa-g(x-5a) (x-5a)

T +arun  $M_8 = 0$   $M_c^l = 2F \cdot 3a = 6Fa$   $M_b^l = 2F \cdot 5a + 5sind \cdot 2a = 10Fa - 5\sqrt{29}F \cdot \frac{4}{5} \cdot 2a$  $= \frac{30 - 10}{3}Fa = \frac{20}{3}Fa$ 

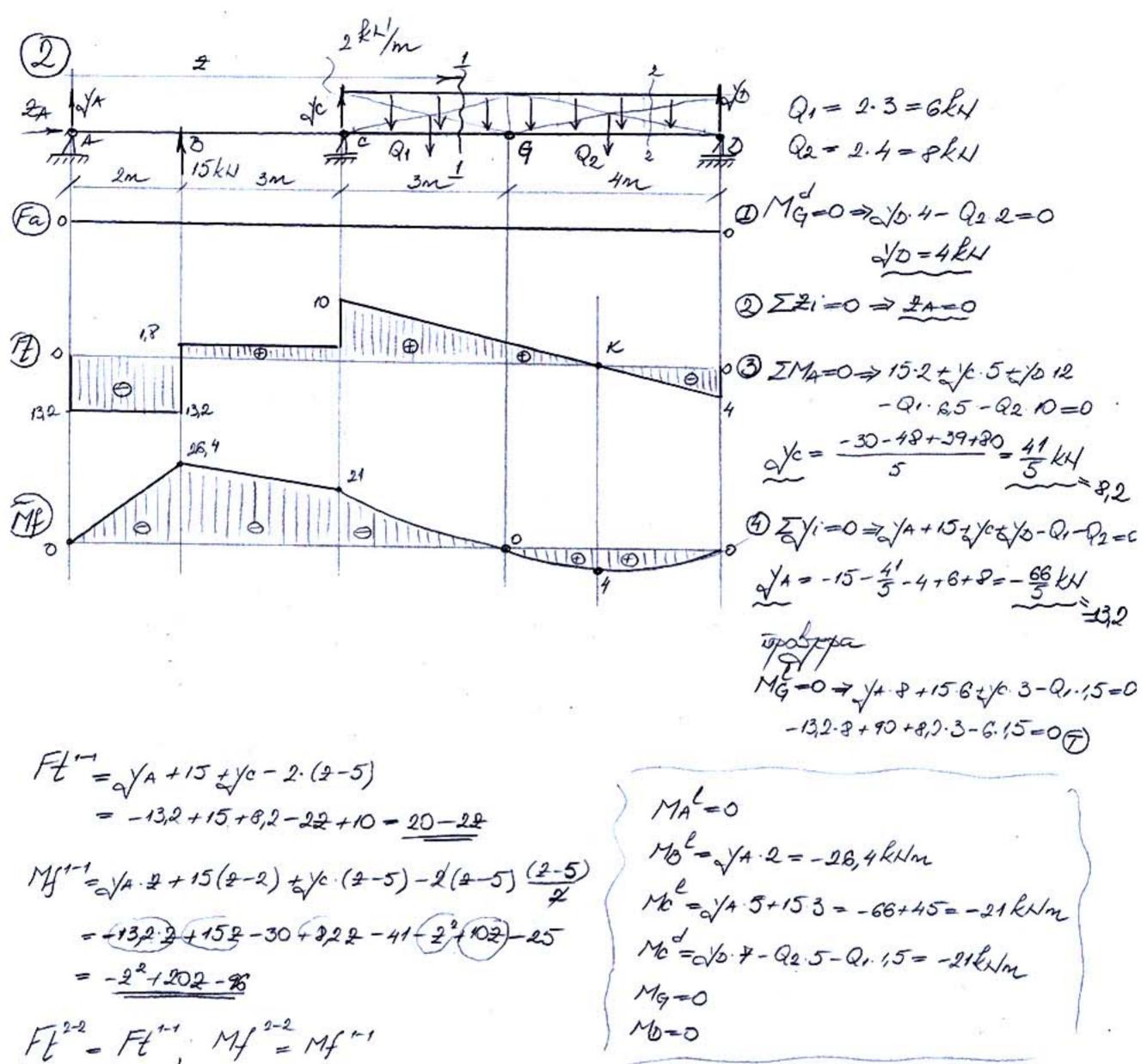
Mo= VA. 4a-Q.la = #F.4a-1F.2a = 44-24 Fa = 20 Fa

MA=0

J +azur fa=0 fas=0 fag=0 3+c x ∈ [0,3a) ft=2F fts=2F ftz=2F Mf=2Fx Mf8=0 Mfz=6Fa

Fa=Scool= -\frac{25}{6}F C+D X=[39,5a] Ft=2F+Ssinl=2F-\frac{5}{3}F=\frac{F}{3} M=2F+5sinl=2F-\frac{5}{3}F=\frac{F}{3}

 $Ft = 2F + 5sinL = 2F - \frac{1}{3}F = \frac{1}{3}$   $Mf = 2F \times + 5sinL(x - 3a) = 2F \times - \frac{1}{3}F \times + \frac{1}{3}F = \frac{1}{3}x + 5Fa$   $Fac = -\frac{25F}{6}F = Fac = \frac{-25F}{6}F$   $Ftc = F/3 = \frac{1}{3}Fac = \frac{1}{3}Fac$   $Mc = 6Fac = \frac{1}{3}Fac$ 



ftk = 20 - 22k 2k = 10n  $Mf_k = -2k^2 + 202k - 96$ ftk = 0 = -100 + 200 - 96 = 4 k l m