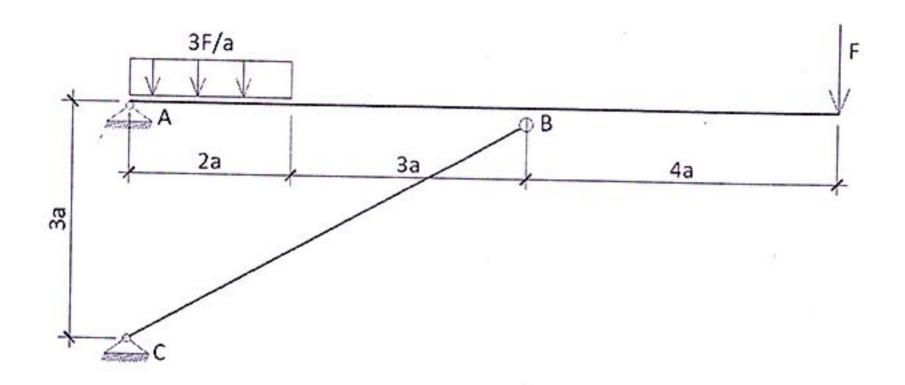
Ime i prezime:	
Broj indeksa:	

1. Zadatak

Za dati nosač i opterećenje odrediti:

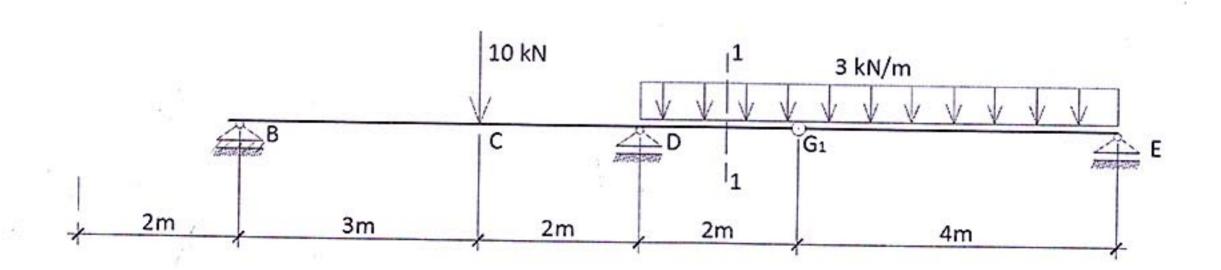
- a/ Reakcije oslonaca i silu u štapu (štap je zanemarljive težine);
- b/ Dijagrame presječnih sila.



2. Zadatak

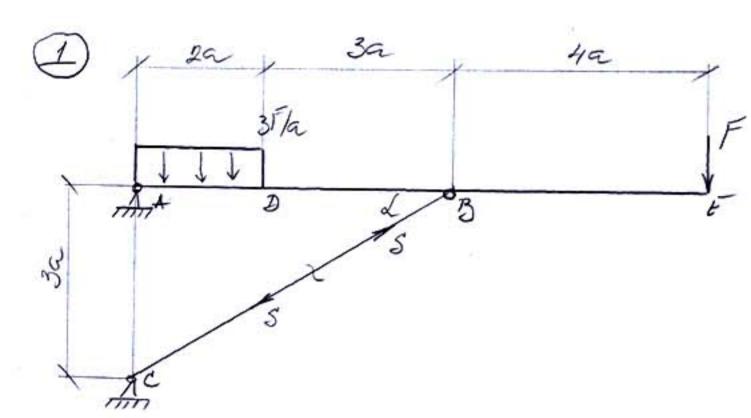
Za dati nosač odrediti:

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



Prof.dr Olivera Jovanović

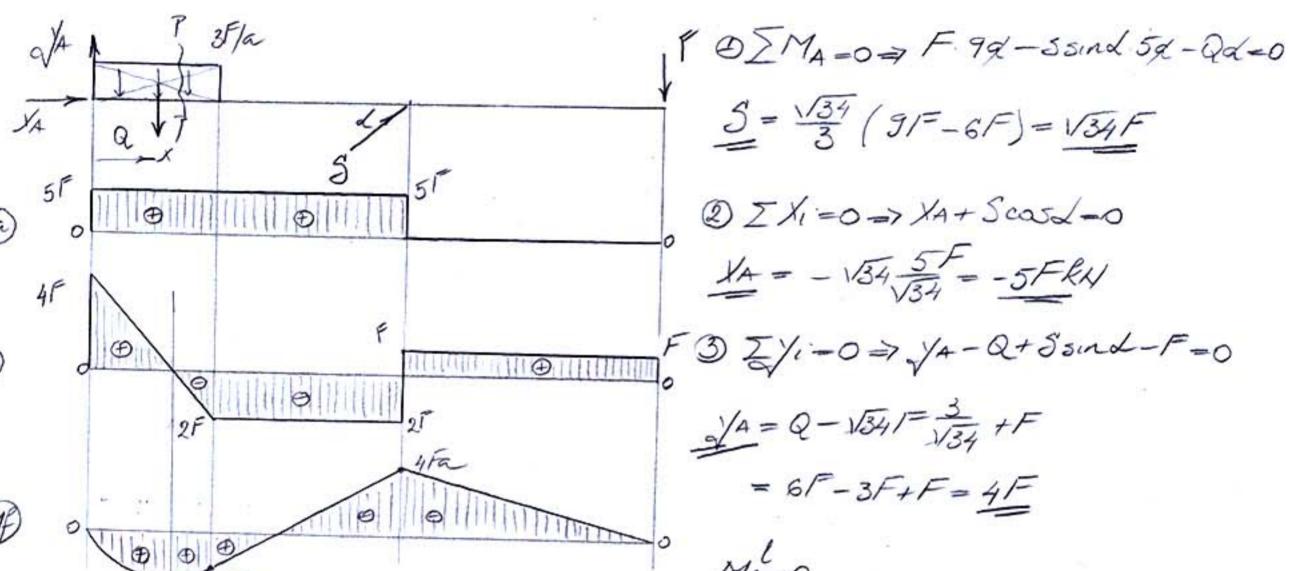
CTatuka - 1 xanoxbuzyon



$$cosd = \frac{5a}{\sqrt{25a^2 + 9a^2}} = \frac{5}{\sqrt{34}}$$

$$sind = \frac{3}{\sqrt{34}}$$

$$Q = \frac{3}{2} = 2a - 6$$



$$S = \frac{\sqrt{34}}{3} (91 - 6F) = \sqrt{34}F$$

$$D = X_1 = 0 \Rightarrow X_2 + S_2 = 0$$

$$X_4 = -\sqrt{34} \frac{5F}{34} = -5Fk$$

$$F = 3 = \sqrt{34} - 0 \Rightarrow X_4 - Q + S_5 = 0$$

$$X_4 = Q - \sqrt{34} = \frac{3}{\sqrt{34}} + F$$

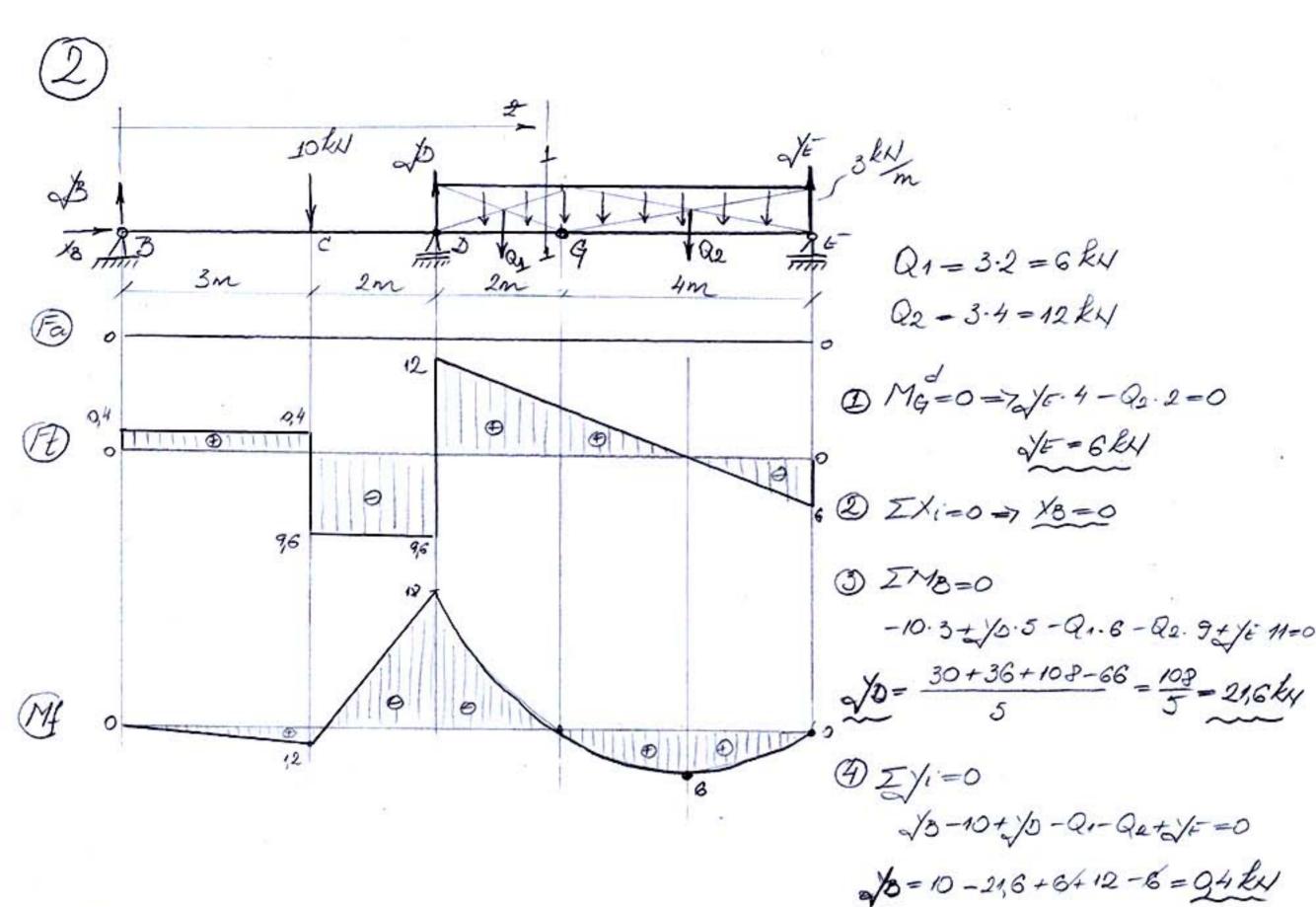
$$= 6F - 3F + F = 4F$$

$$M_4 = 0$$

$$M_6 = \sqrt{4.2a} - Q = 8Fa - 6Fa = 2Fa$$

FEP= JA-3EX-4F-3EX 3a Ft=0 => x= 4/3a Mf (Ft=0)= JA 3a- 5 3 2 25a = 16 Fa - 3 Fa = 3 Fa

M8 = YA.5a-Q.4a=20Fa-24Fa=-4Fa M8 = - F. 49 = -4Fa



 $Ft'' = \sqrt{8-10} + \sqrt{0-3.(2-5)}$ = 0.4 - 10 + 21.6 - 32 + 15 = -32 + 24 $Mf'' = \sqrt{82-10(2-3)} + \sqrt{0(2-5)} - 3(2-5) = \frac{2-5}{2}$ $= 0.42 - 102 + 30 + 21.62 - 108 - 1.5 (2^2 - 102 + 25)$ $= -1.52^2 + 272 - 115.5$ $3\alpha Ft = 0 = 7 - 32 + 27 = 0 \Rightarrow 2 = 9$ $Mf(Ft = 0) = -1.5 \cdot 9^2 + 27.9 - 115.5 = 6$

 $\begin{array}{l}
J_{1}8-40+43,2-6=0 \\
M_{0}^{2}=0
\end{array}$ $\begin{array}{l}
M_{0}^{2}=38\cdot 3=1,2 \\
M_{0}^{2}=38\cdot 5-10\cdot 2=-18 \\
M_{0}^{2}=36\cdot 6-92\cdot 4-91\cdot 1
\end{array}$ $\begin{array}{l}
M_{0}^{2}=36-48-6=-18 \\
M_{0}^{2}=0
\end{array}$ $\begin{array}{l}
M_{0}^{2}=0
\end{array}$ $\begin{array}{l}
M_{0}^{2}=0
\end{array}$ $\begin{array}{l}
M_{0}^{2}=0
\end{array}$ $\begin{array}{l}
M_{0}^{2}=0
\end{array}$

Mg=0=7-18.7-10.4+/0.2-Q.1=0

inpostepa