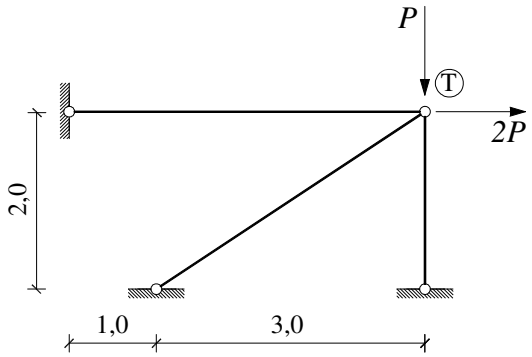
GS 1. – 2. kolokvij (A1) (2007./2008.)

1. (25) Odredite pomak točke **T**.

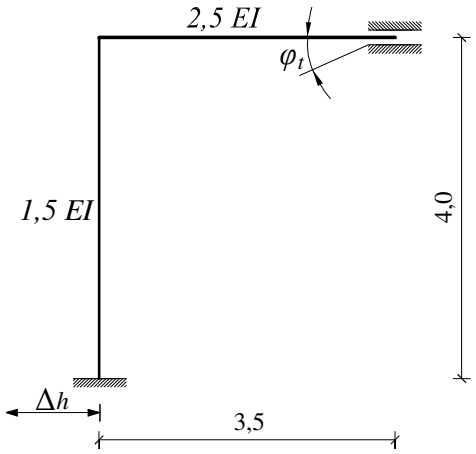


$P = 200$ kN

$d = 3$ cm

$E = 2\times10^{8}$ kN/m^2

2. (30) Nacrtajte *M* dijagram.

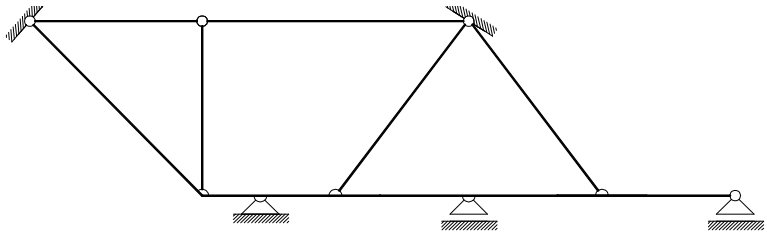


$EI = 100\,000$ kNm^2

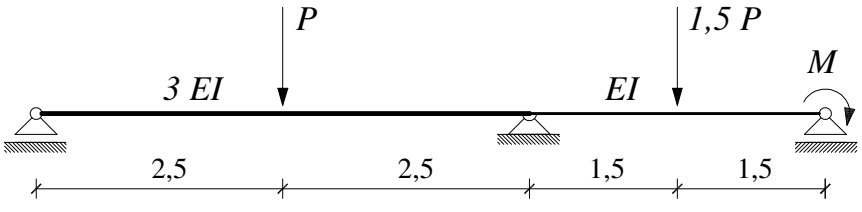
$\Delta h = 2{,}6$ cm

$\varphi_t = 0{,}008$

3. (10) Odredite stupanj statičke neodređenosti.



4. (35) Nacrtajte *M* i *T* dijagrame.

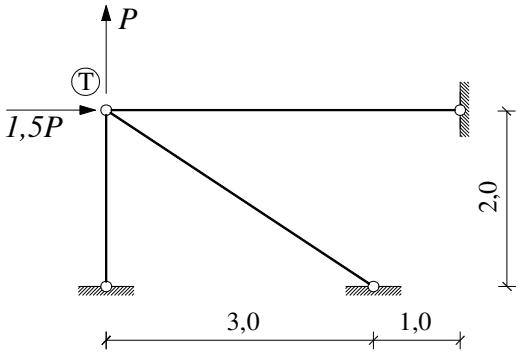


$P = 150$ kN

$M = 150$ kNm

GS 1. – 2. kolokvij (A2) (2007./2008.)

1. (25) Odredite pomak točke **T**.

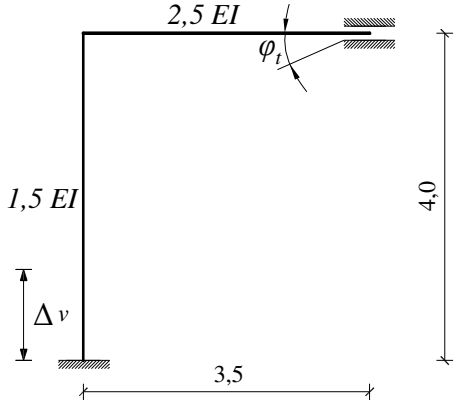


$P = 150$ kN

$d = 4$ cm

$E = 2\times10^{8}$ kN/m^2

2. (30) Nacrtajte *M* dijagram.

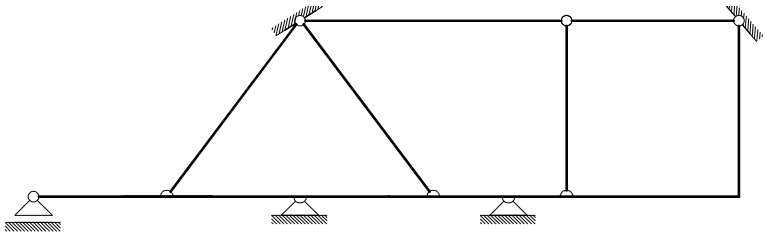


$EI = 100\,000$ kNm^2

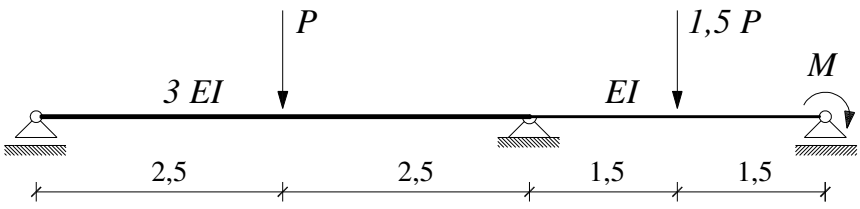
$\Delta v = 1{,}2$ cm

$\varphi_t = 0{,}008$

3. (10) Odredite stupanj statičke neodređenosti.



4. (30) Nacrtajte *M* i *T* dijagrame.

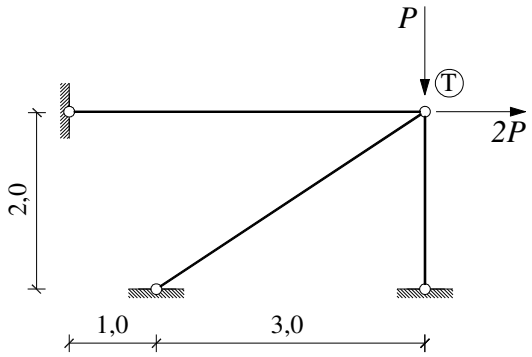


$P = 150$ kN

$M = 150$ kNm

GS 1. – 2. kolokvij (B1) (2007./2008.)

1. (25) Odredite pomak točke **T**.

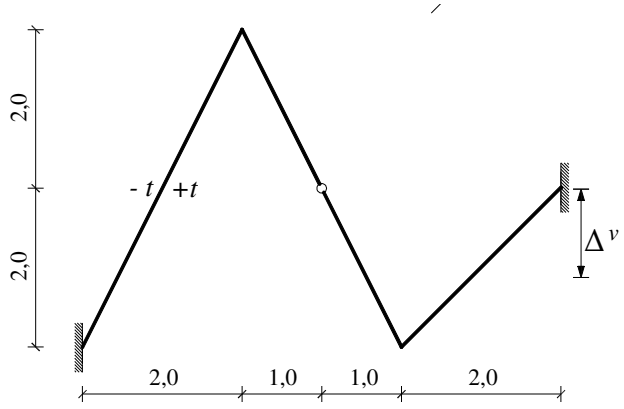


$P = 200$ kN

$d = 3$ cm

$E = 2\times10^{8}$ kN/m^2

2. (30) Nacrtajte *M* dijagram.



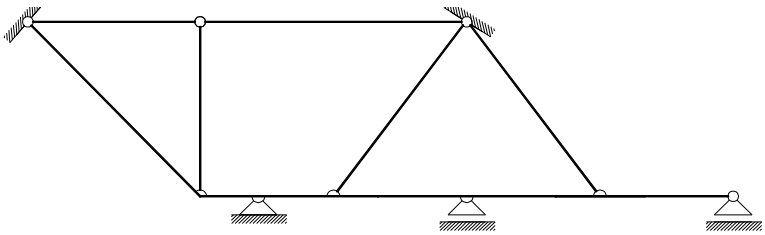
$EI = 100\,000$ kNm^2

$\Delta h = 2{,}6$ cm

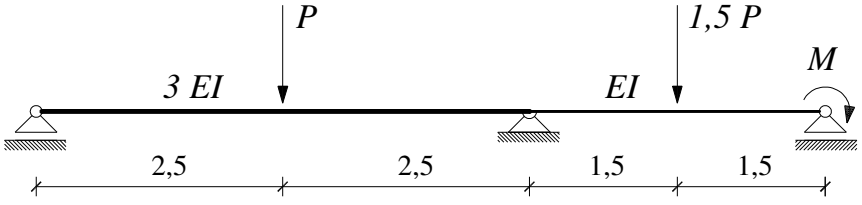
$\varphi_t = 0{,}008$

$h = 45\ cm$

3. (10) Odredite stupanj statičke neodređenosti.



4. (35) Nacrtajte *M* i *T* dijagrame.

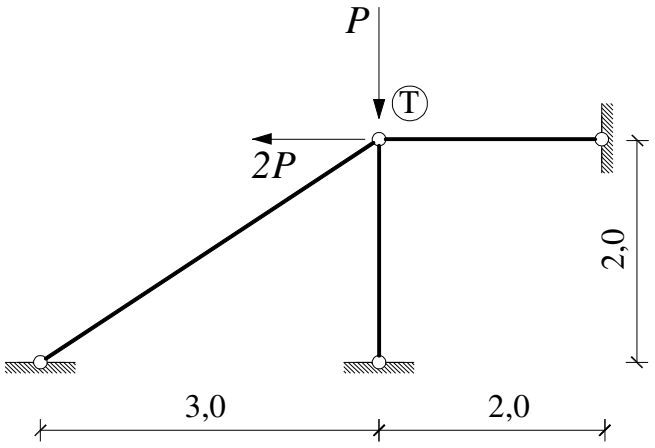


$P = 150$ kN

$M = 150$ kNm

GS 1. – 2. kolokvij (B2) (2007./2008.)

1. (25) Odredite pomak točke **T**.

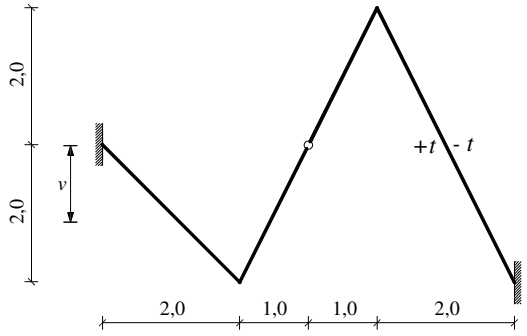


$P = 100\ \text{kN}$

$d = 4\ \text{cm}$

$E = 2 \times 10^{8}\ \text{kN/m}^2$

2. (30) Nacrtajte *M* dijagram.



$\Delta v = 4{,}0\ \text{cm}$

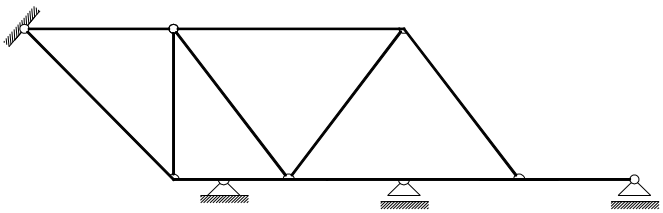
$EI = 140\,000\ \text{kNm}^2$

$t = 15\ ^{\circ}\text{C}$

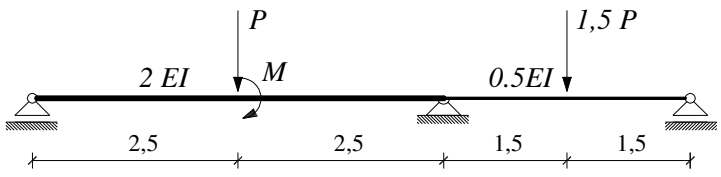
$\alpha_t = 10^{-5}\ K^{-1}$

$h = 45\ cm$

3. (10) Odredite stupanj statičke neodređenosti.



4. (35) Nacrtajte *M* i *T* dijagrame.

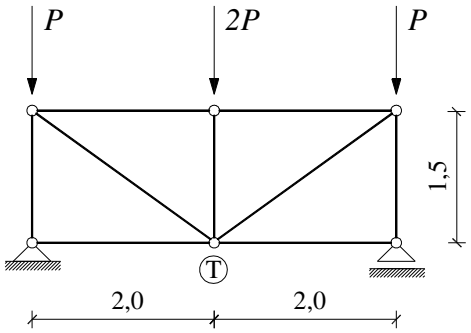


$P = 100\,\text{kN}$

$M = 150\,\text{kNm}$

GS 1. – 2. kolokvij (C1) (2007./2008.)

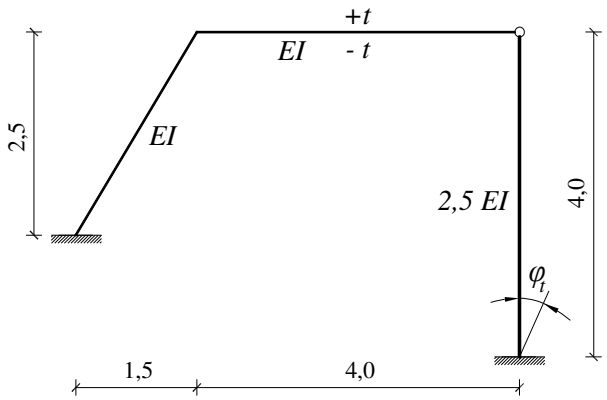
1. (25) Odredite pomak točke **T**.



$P = 150$ kN

$EA = 100\,000$ kN

2. (30) Nacrtajte *M* dijagram.



$EI = 150\,000$ kNm^2

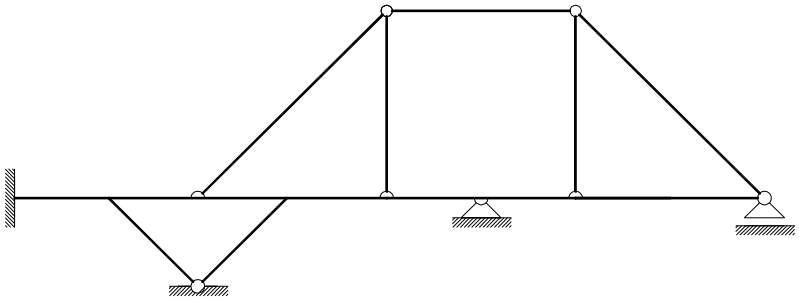
$t = 15$ °C

$\varphi_t = 0{,}006$

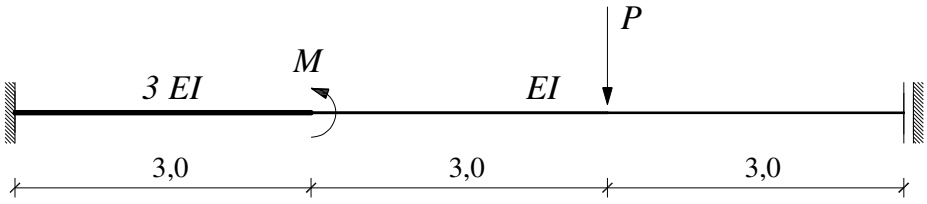
$\alpha_t = 10^{-5}\ K^{-1}$

$h = 40\ cm$

3. (10) Odredite stupanj statičke neodređenosti.



4. (30) Nacrtajte *M* i *T* dijagrame.



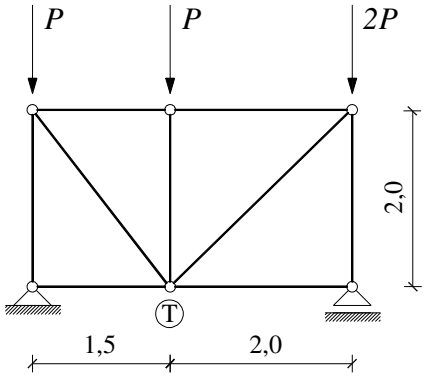
$P = 250$ kN

$M = 250$ kNm

$EI = 140\,000$ kNm^2

GS 1. – 2. kolokvij (C2) (2007./2008.)

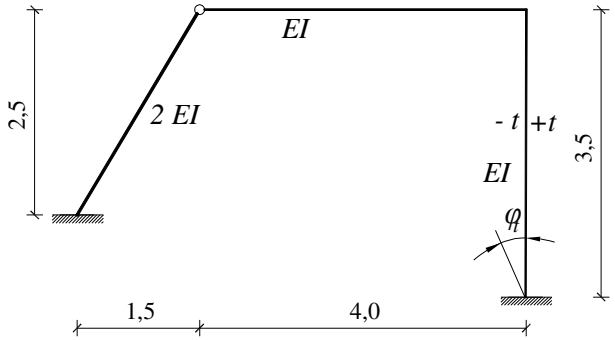
1. (25) Odredite pomak točke **T**.



$P = 150$ kN

$EA = 100\,000$ kN

2. (30) Nacrtajte *M* dijagram.



$EI = 150\,000$ kNm^2

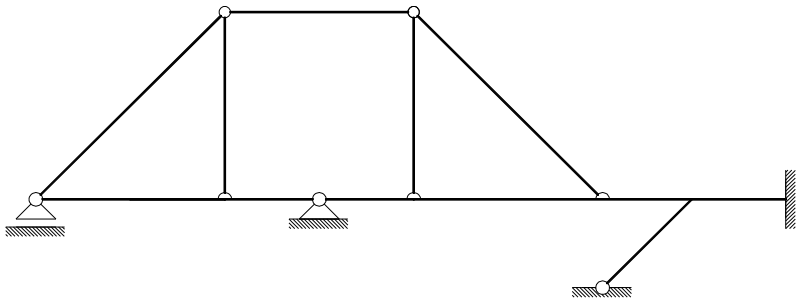
$t = 20\ ^\circ$C

$\varphi_t = 0{,}006$

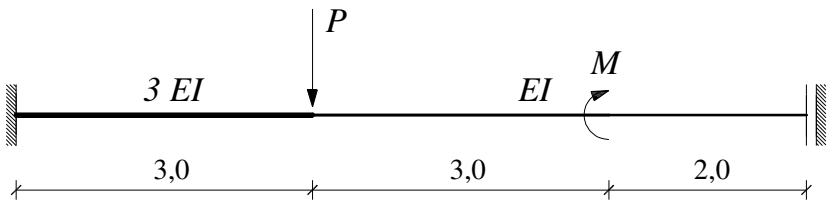
$\alpha_t = 10^{-5}\ K^{-1}$

$h = 40\ cm$

3. (10) Odredite stupanj statičke neodređenosti.



4. (35) Nacrtajte *M* i *T* dijagrame.



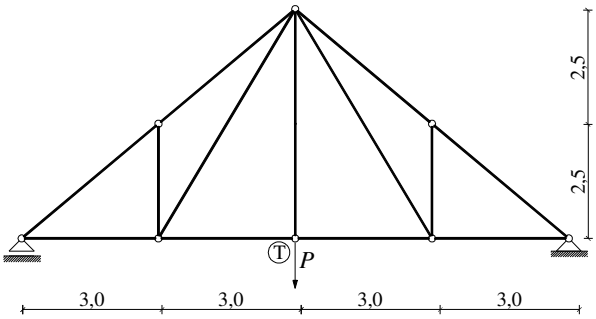
$P = 200$ kN

$M = 150$ kNm

$EI = 140\,000$ kNm^2

GS 1. – 2. kolokvij (D1) (2007./2008.)

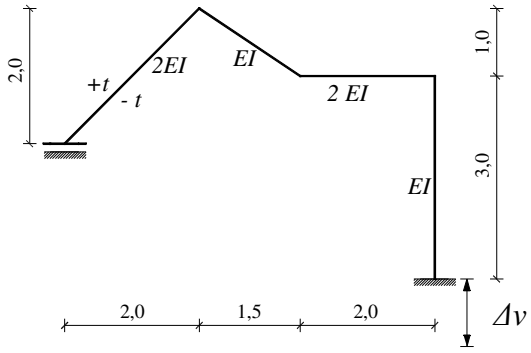
1. (30) Odredite vertikalan pomak točke **T**.



$P = 200$ kN

$EA = 120\,000$ kN

2. (30) Nacrtajte *M* dijagram.



$E = 3 \cdot 10^7$ kN/m^2

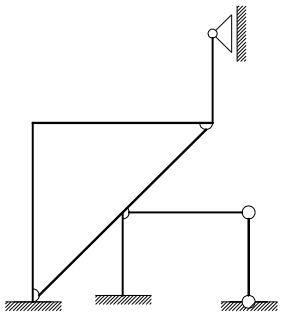
$b / h = 35 / 60 cm$

$t = 20^\circ C$

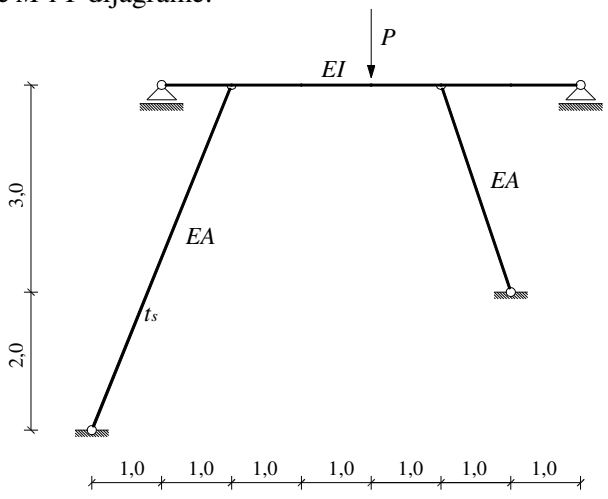
$\Delta v = 1.5 cm$

$\alpha_t = 10^{-5}\ K^{-1}$

3. (10) Odredite stupanj statičke neodređenosti.



4. (30) Nacrtajte *M* i *T* dijagrame.



$P = 240$ kN

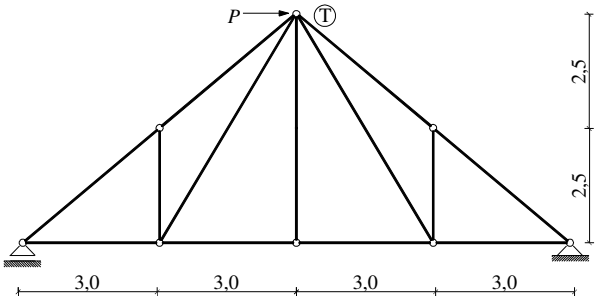
$EI = 150\,000$ kNm^2

$t_s = 24^\circ C$

$EA = 90\,000$ kN

GS 1. – 2. kolokvij (D2) (2007./2008.)

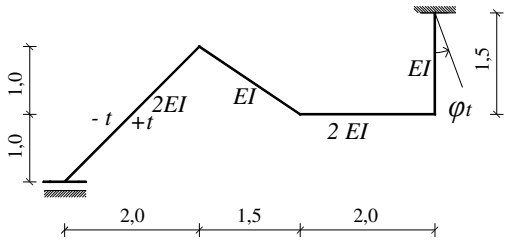
1. (30) Odredite horizontalan pomak točke **T**.



$P = 400$ kN

$EA = 140\,000$ kN

2. (30) Nacrtajte *M* dijagram.



$E = 3 \cdot 10^7$ kN/m^2

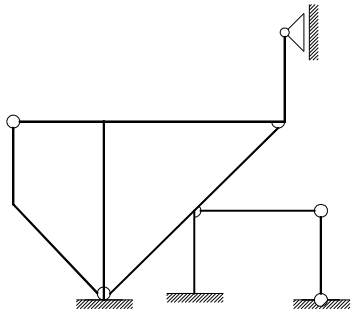
$b / h = 35 / 65 cm$

$t = 23^\circ C$

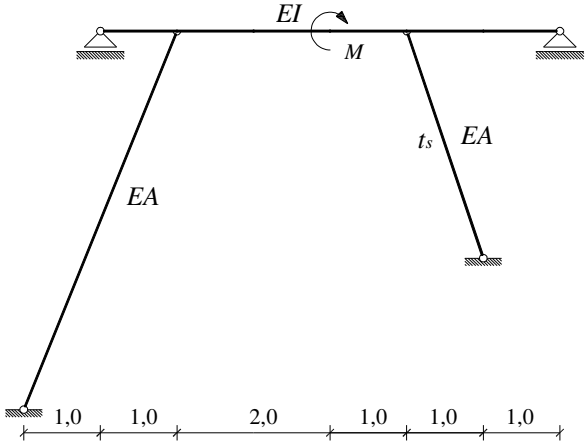
$\varphi_t = 0.003$

$\alpha_t = 10^{-5}\ K^{-1}$

3. (10) Odredite stupanj statičke neodređenosti.



4. (30) Nacrtajte *M* i *T* dijagrame.



$M = 240$ kNm

$EI = 150\,000$ kNm^2

$t_s = -24^\circ C$

$EA = 90\,000$ kN