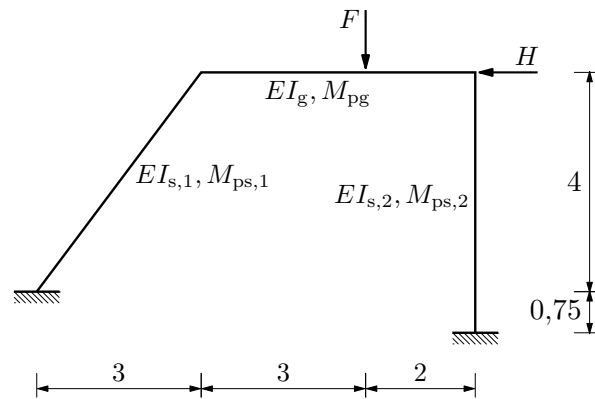


# Proračun prema teoriji plastičnosti

1.

Izračunajte sile sloma statičkim i kinematičkim postupkom:

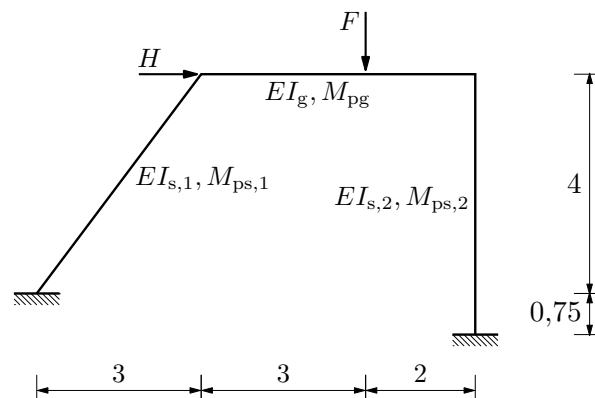
$$\begin{aligned} H &= 100 \text{ kN} & F &= 2,5 H \\ M_{ps,2} &= 500 \text{ kNm} & M_{pg} &= M_{ps,1} = 1,6 M_{ps,2} \\ I_g &= I_{s,1} = 2 I_{s,2} \end{aligned}$$



2.

Izračunajte sile sloma statičkim i kinematičkim postupkom:

$$\begin{aligned} H &= 100 \text{ kN} & F &= H \\ M_{ps,1} &= M_{ps,2} = 500 \text{ kNm} & M_{pg} &= 1,6 M_{ps} \\ I_{s,1} &= I_{s,2} & I_g &= 2 I_{s,1} \end{aligned}$$



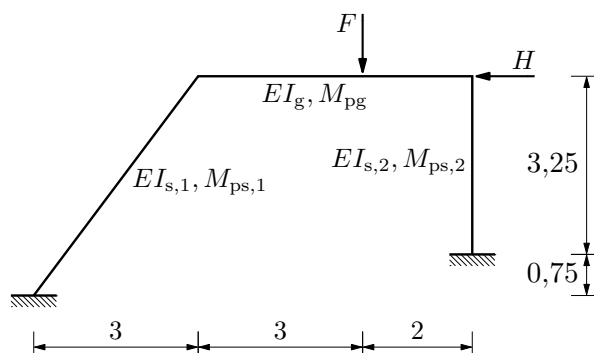
3.

Izračunajte sile sloma statičkim i kinematičkim postupkom:

$$H = 100 \text{ kN} \quad F = 2H$$

$$M_{ps,2} = 500 \text{ kNm} \quad M_{pg} = M_{ps,1} = 2,5 M_{ps,2}$$

$$I_g = I_{s,1} = 4 I_{s,2}$$



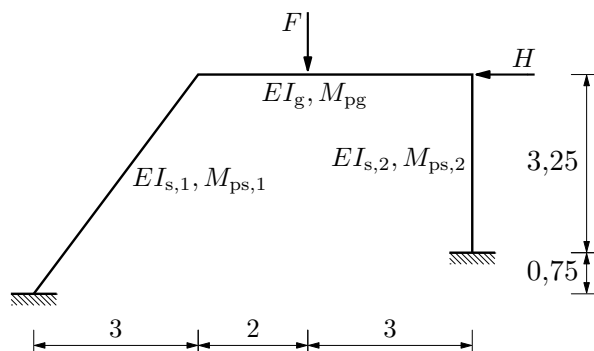
4.

Izračunajte sile sloma statičkim i kinematičkim postupkom:

$$H = 100 \text{ kN} \quad F = 2,5H$$

$$M_{ps,2} = 500 \text{ kNm} \quad M_{ps,1} = 1,6 M_{ps,2} \quad M_{pg} = 2,5 M_{ps,2}$$

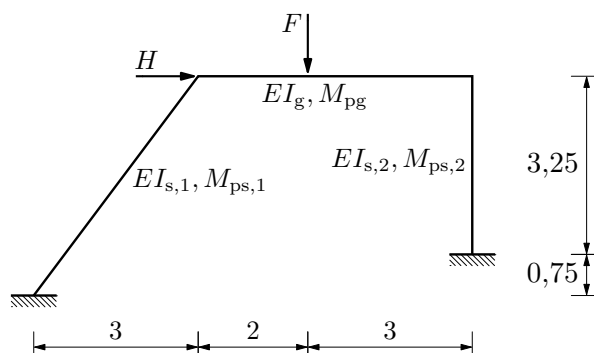
$$I_g = 4 I_{s,2} \quad I_{s,1} = 2 I_{s,2}$$



5.

Izračunajte sile sloma statičkim i kinematičkim postupkom:

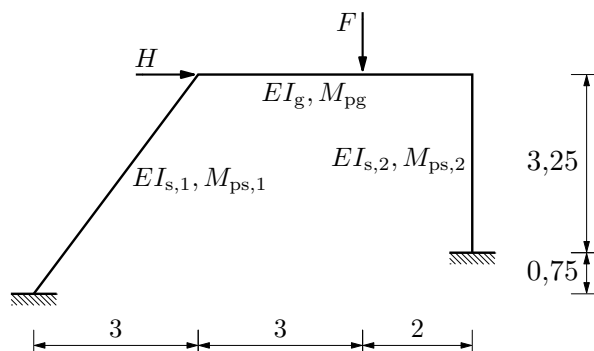
$$\begin{aligned}
 H &= 100 \text{ kN} & F &= H \\
 M_{ps,1} &= M_{ps,2} = 500 \text{ kNm} & M_{pg} &= 1,6 M_{ps,1} \\
 I_{s,1} &= I_{s,1} & I_g &= 2 I_{s,1}
 \end{aligned}$$



6.

Izračunajte sile sloma statičkim i kinematičkim postupkom:

$$\begin{aligned}
 H &= 100 \text{ kN} & F &= H \\
 M_{ps,2} &= 500 \text{ kNm} & M_{pg} &= M_{ps,1} = 1,6 M_{ps,2} \\
 I_g &= I_{s,1} = 2 I_{s,2}
 \end{aligned}$$



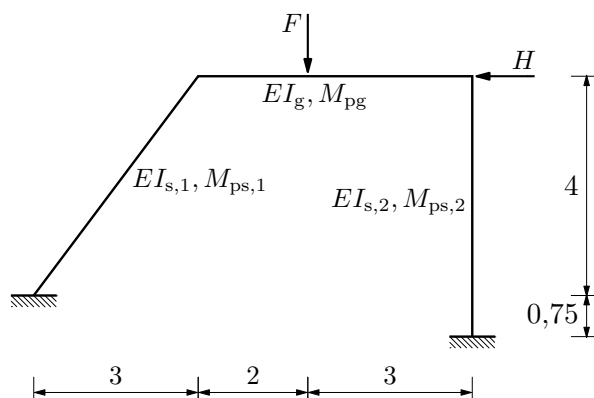
7.

Izračunajte sile sloma statičkim i kinematičkim postupkom:

$$H = 100 \text{ kN} \quad F = H$$

$$M_{pg} = M_{ps,1} = M_{ps,2} = 500 \text{ kNm}$$

$$I_g = I_{s,1} = I_{s,2}$$



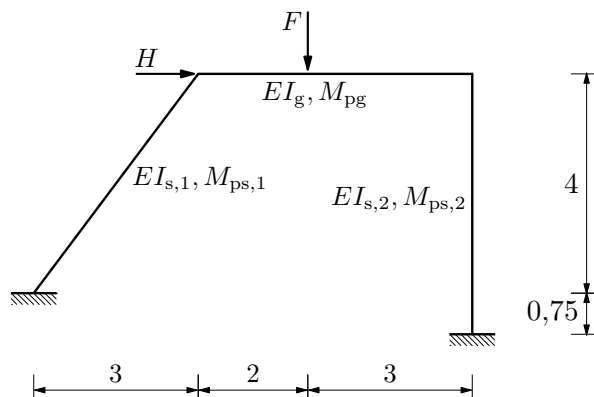
8.

Izračunajte sile sloma statičkim i kinematičkim postupkom:

$$H = 100 \text{ kN} \quad F = 2,5 H$$

$$M_{ps,2} = 500 \text{ kNm} \quad M_{pg} = M_{ps,1} = 1,6 M_{ps,2}$$

$$I_g = I_{s,1} = 2 I_{s,2}$$



9.

Izračunajte sile sloma statičkim i kinematičkim postupkom:

$$H = 100 \text{ kN} \quad F = 2H$$

$$M_{ps,2} = 500 \text{ kNm} \quad M_{ps,1} = 1,6 M_{ps,2} \quad M_{pg} = 2,5 M_{ps,2}$$

$$I_{s,1} = 2 I_{s,2} \quad I_g = 4 I_{s,2}$$

