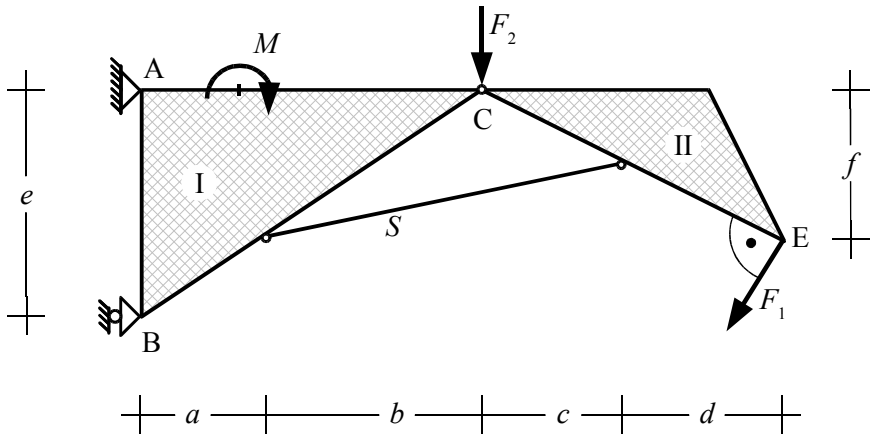
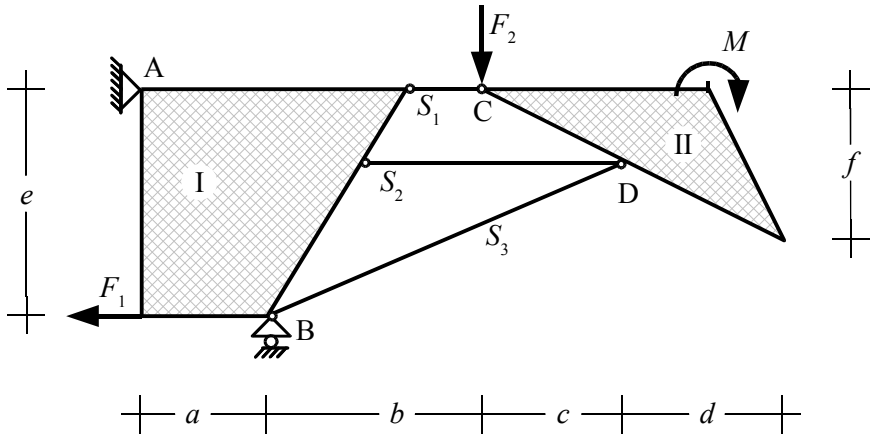
Ö01



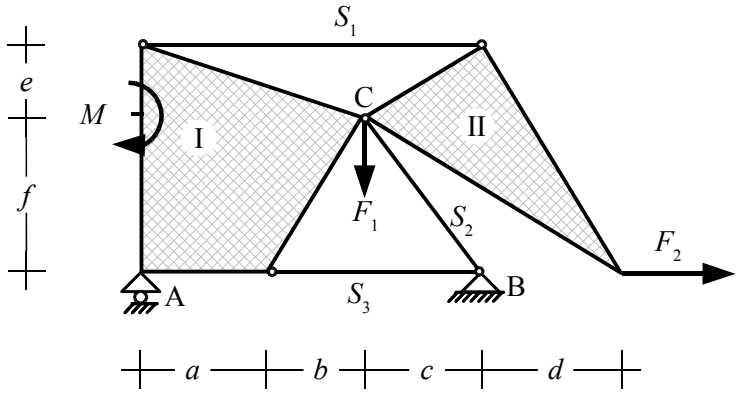
a= 1,0 m
b= 3,0 m
c= 1,5 m
d= 1,5 m
e= 3,5 m
f= 2,5 m
F_1= 15 kN
F_2= 22 kN
M= 11 kNm

Ö02



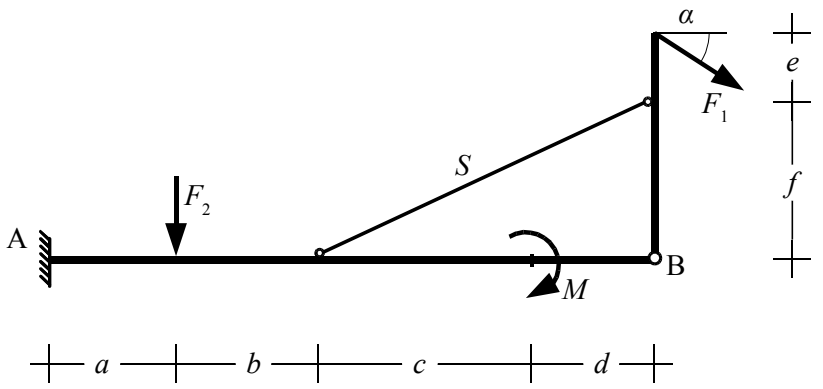
a= 1,5 m
b= 2,5 m
c= 2,0 m
d= 1,0 m
e= 3,0 m
f= 2,5 m
F_1= 14 kN
F_2= 7 kN
M= 7 kNm

Ö03



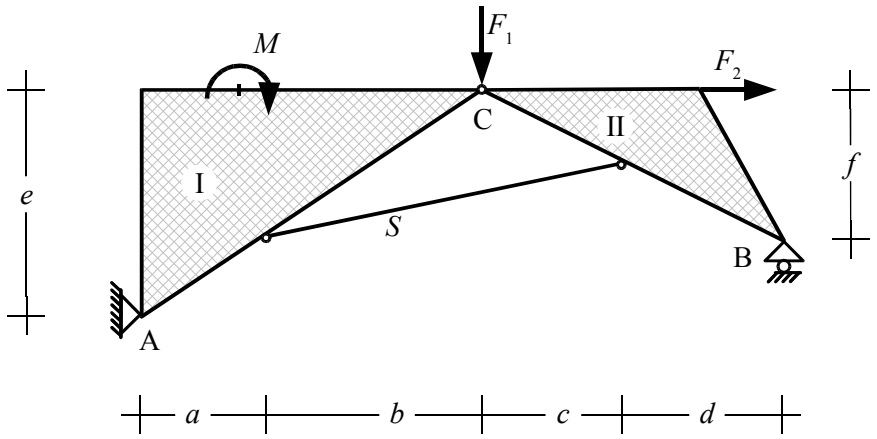
a= 2,0 m
b= 1,2 m
c= 1,6 m
d= 0,8 m
e= 0,8 m
f= 1,6 m
F_1= 22 kN
F_2= 3 kN
M= 9,6 kNm

Ö04



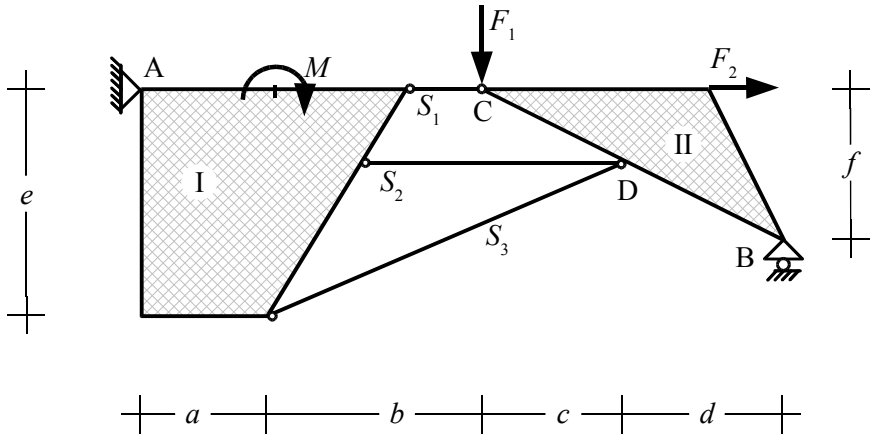
a= 1,4 m
b= 1,6 m
c= 2,3 m
d= 0,7 m
e= 0,8 m
f= 1,7 m
α= 30 °
F_1= 14 kN
F_2= 8 kN
M= 16 kNm

Ö05



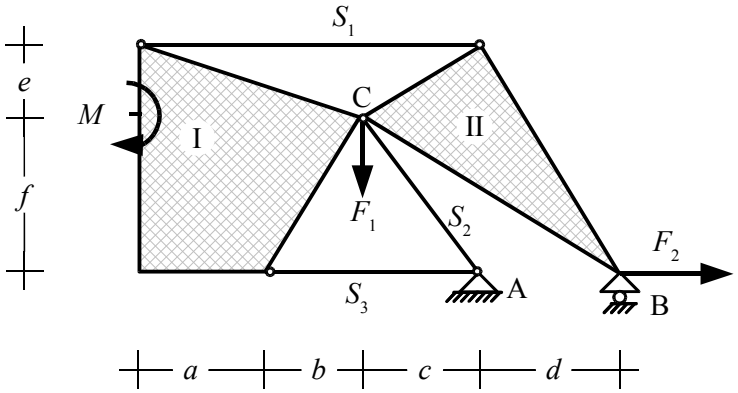
a= 1,0 m
b= 3,0 m
c= 1,5 m
d= 1,5 m
e= 3,5 m
f= 2,5 m
F_1= 15 kN
F_2= 22 kN
M= 11 kNm

Ö06



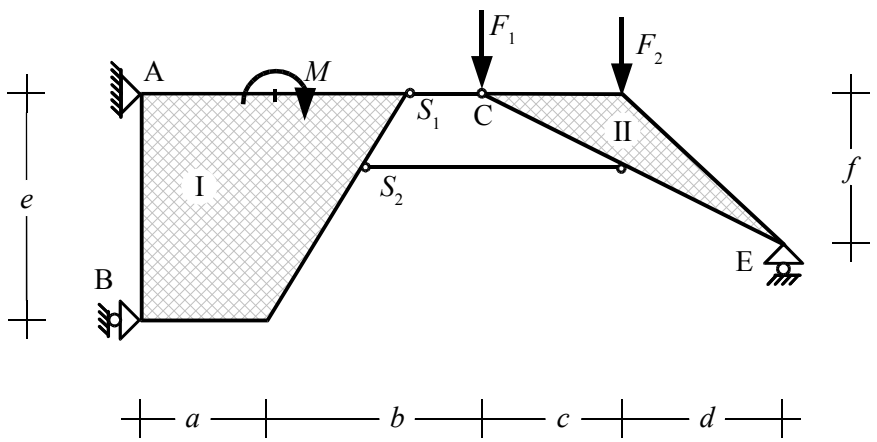
a= 1,5 m
b= 2,5 m
c= 2,0 m
d= 1,0 m
e= 3,0 m
f= 2,5 m
F_1= 14 kN
F_2= 7 kN
M= 7 kNm

Ö07



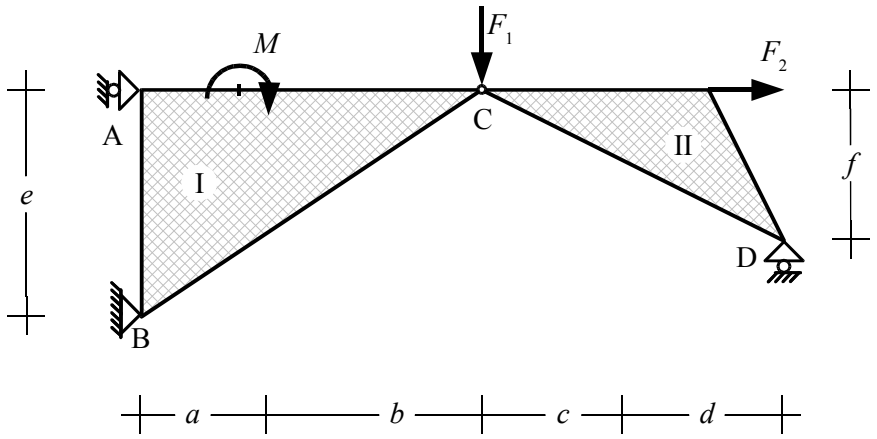
a= 2,0 m
b= 1,2 m
c= 1,6 m
d= 0,8 m
e= 0,8 m
f= 1,6 m
F_1= 22 kN
F_2= 3 kN
M= 9,6 kNm

Ö08



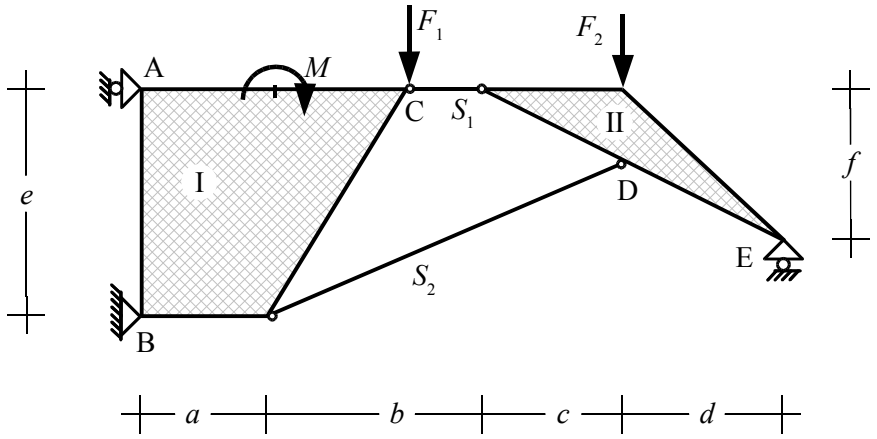
a= 1,5 m
b= 2,5 m
c= 2,0 m
d= 1,0 m
e= 3,0 m
f= 2,5 m
F_1= 14 kN
F_2= 7 kN
M= 7 kNm

Ö09



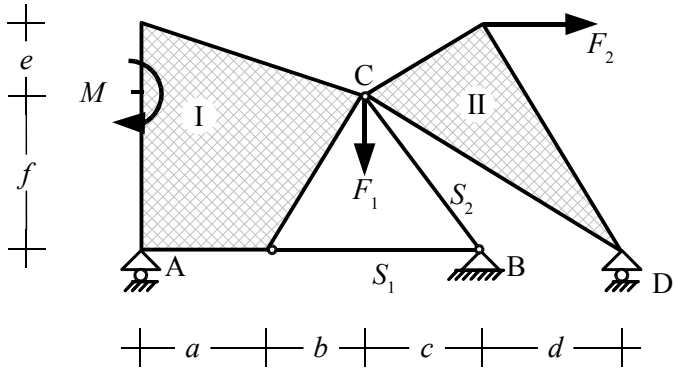
a= 1,0 m
b= 3,0 m
c= 1,5 m
d= 1,5 m
e= 3,5 m
f= 2,5 m
F_1= 15 kN
F_2= 22 kN
M= 11 kNm

Ö10



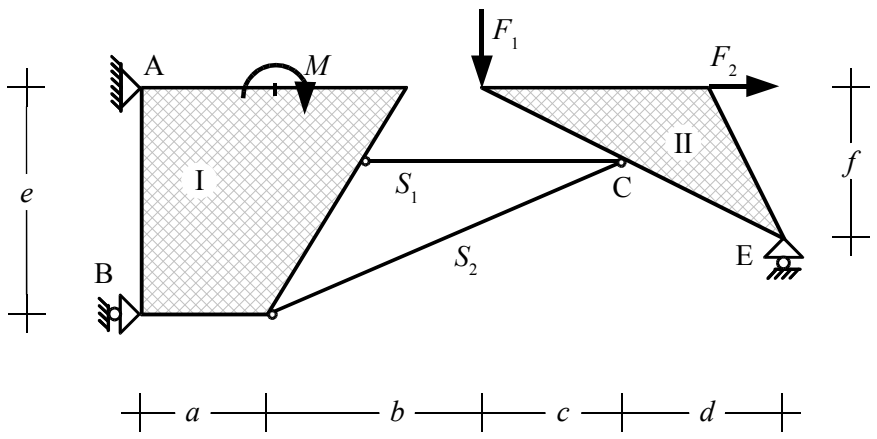
a= 1,5 m
b= 2,5 m
c= 2,0 m
d= 1,0 m
e= 3,0 m
f= 2,5 m
F_1= 14 kN
F_2= 7 kN
M= 7 kNm

Ö11



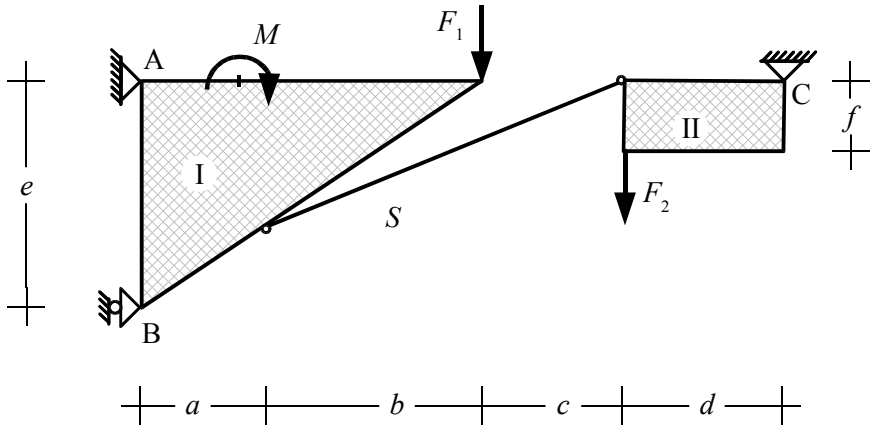
a= 2,0 m
b= 1,2 m
c= 1,6 m
d= 0,8 m
e= 0,8 m
f= 1,6 m
F_1= 22 kN
F_2= 3 kN
M= 9,6 kNm

Ö12



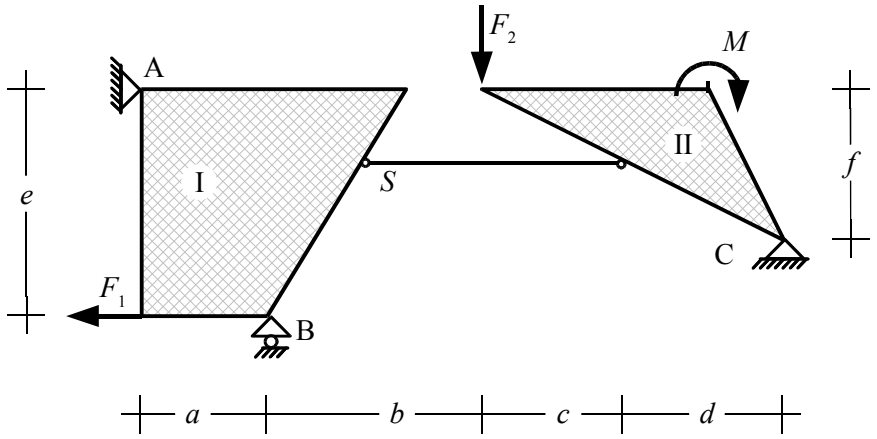
a= 1,5 m
b= 2,5 m
c= 2,0 m
d= 1,0 m
e= 3,0 m
f= 2,5 m
F_1= 14 kN
F_2= 7 kN
M= 7 kNm

Ö13



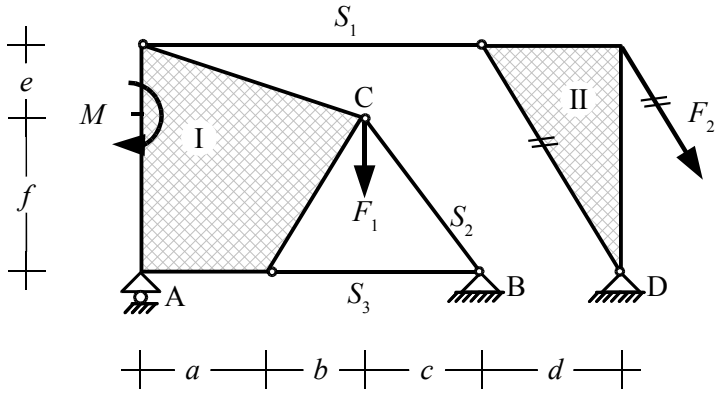
a= 1,0 m
b= 3,0 m
c= 1,5 m
d= 1,5 m
e= 3,5 m
f= 2,5 m
F_1= 15 kN
F_2= 22 kN
M= 11 kNm

Ö14



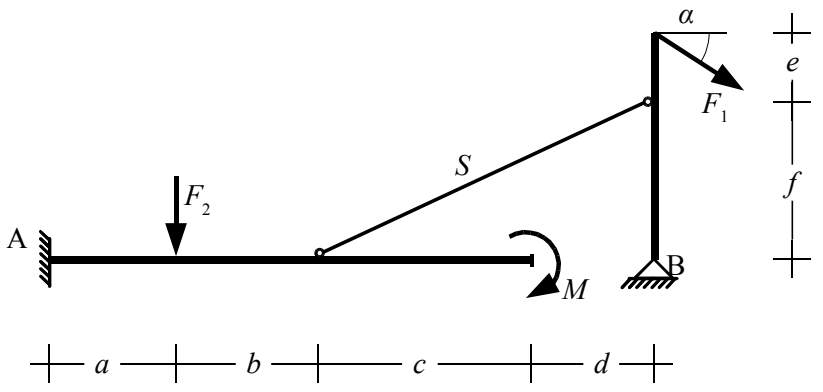
a= 1,5 m
b= 2,5 m
c= 2,0 m
d= 1,0 m
e= 3,0 m
f= 2,5 m
F_1= 14 kN
F_2= 7 kN
M= 7 kNm

Ö15



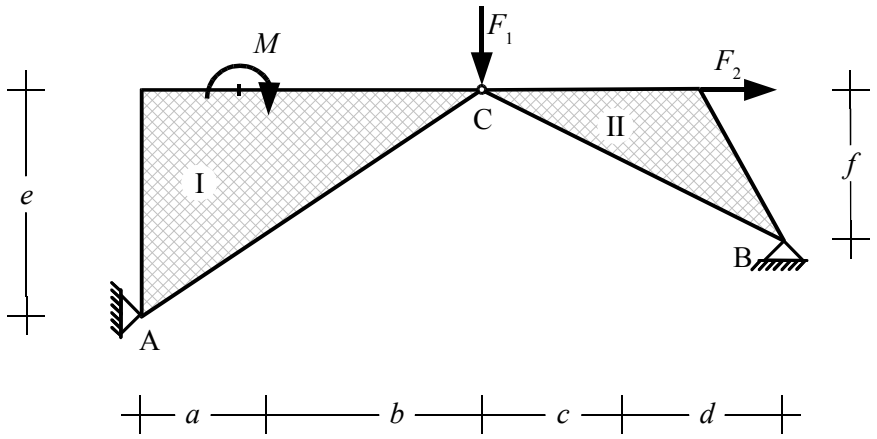
a= 2,0 m
b= 1,2 m
c= 1,6 m
d= 0,8 m
e= 0,8 m
f= 1,6 m
F_1= 22 kN
F_2= 3 kN
M= 9,6 kNm

Ö16



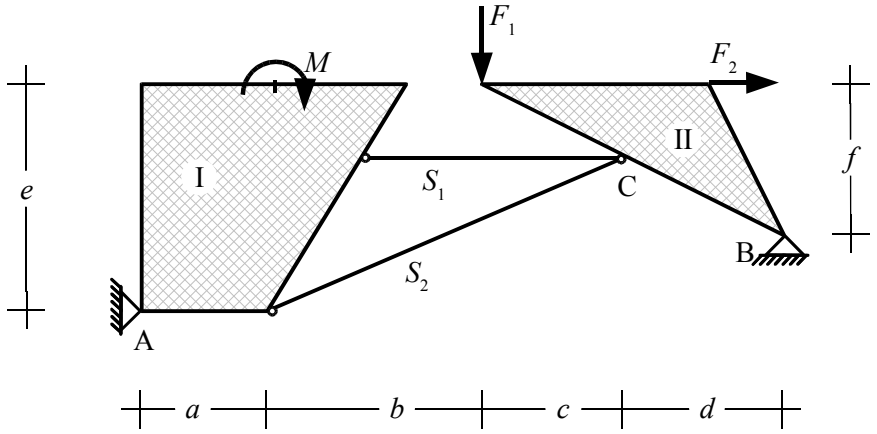
a= 1,4 m
b= 1,6 m
c= 2,3 m
d= 0,7 m
e= 0,8 m
f= 1,7 m
α= 30 °
F_1= 14 kN
F_2= 8 kN
M= 16 kNm

Ö17



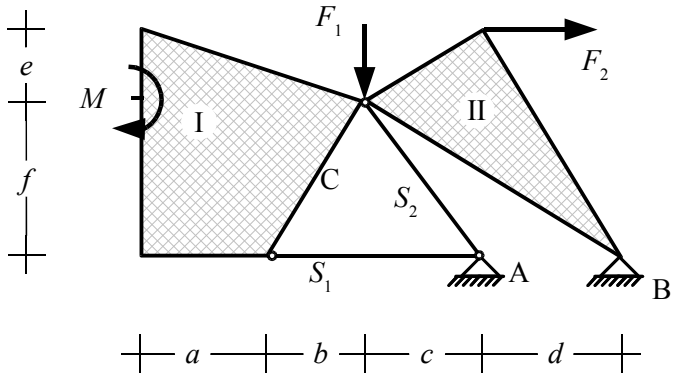
a= 1,0 m
b= 3,0 m
c= 1,5 m
d= 1,5 m
e= 3,5 m
f= 2,5 m
F_1= 15 kN
F_2= 22 kN
M= 11 kNm

Ö18



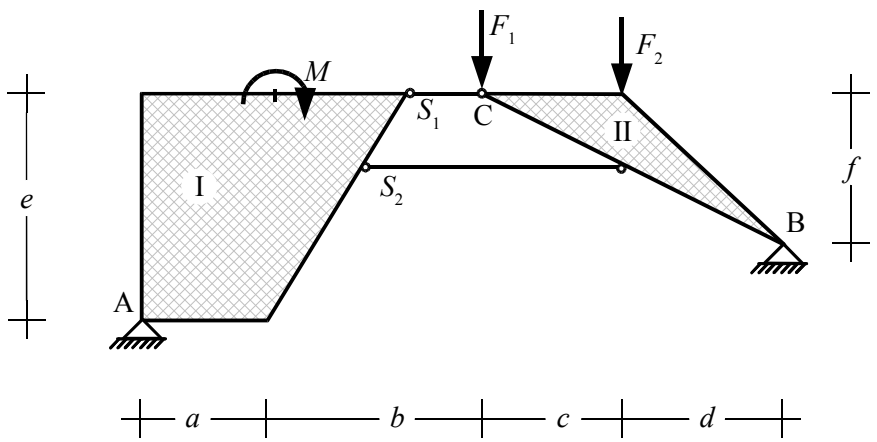
a= 1,5 m
b= 2,5 m
c= 2,0 m
d= 1,0 m
e= 3,0 m
f= 2,5 m
F_1= 14 kN
F_2= 7 kN
M= 7 kNm

Ö19



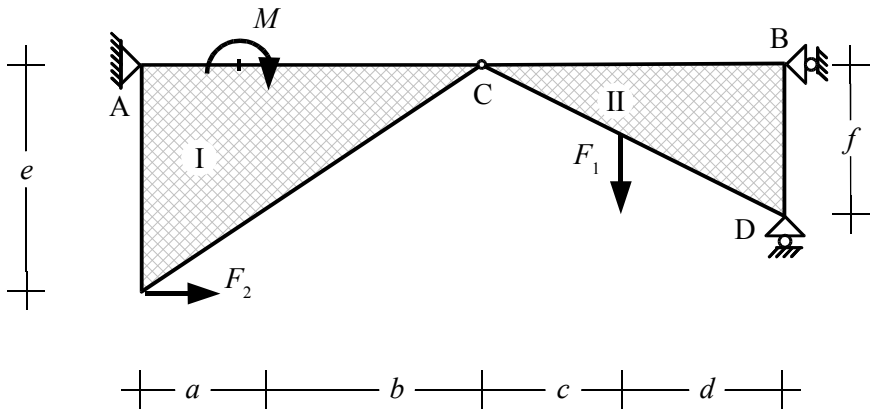
a= 2,0 m
b= 1,2 m
c= 1,6 m
d= 0,8 m
e= 0,8 m
f= 1,6 m
F_1= 22 kN
F_2= 3 kN
M= 9,6 kNm

Ö20



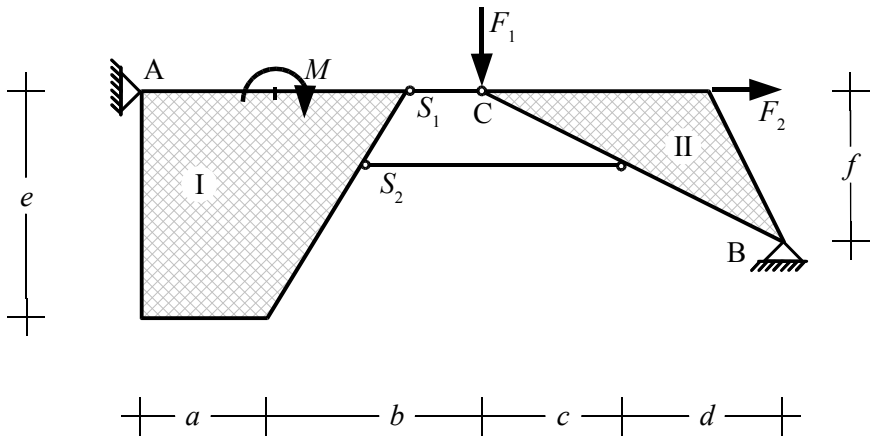
a= 1,5 m
b= 2,5 m
c= 2,0 m
d= 1,0 m
e= 3,0 m
f= 2,5 m
F_1= 14 kN
F_2= 7 kN
M= 7 kNm

Ö21



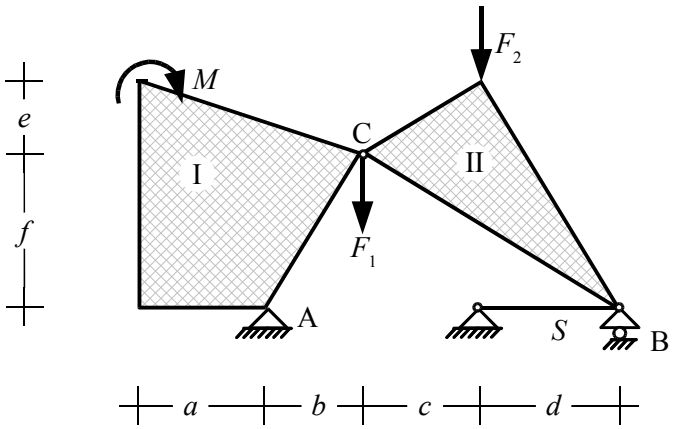
a= 1,0 m
b= 3,0 m
c= 1,5 m
d= 1,5 m
e= 3,5 m
f= 2,5 m
F_1= 15 kN
F_2= 22 kN
M= 11 kNm

Ö22



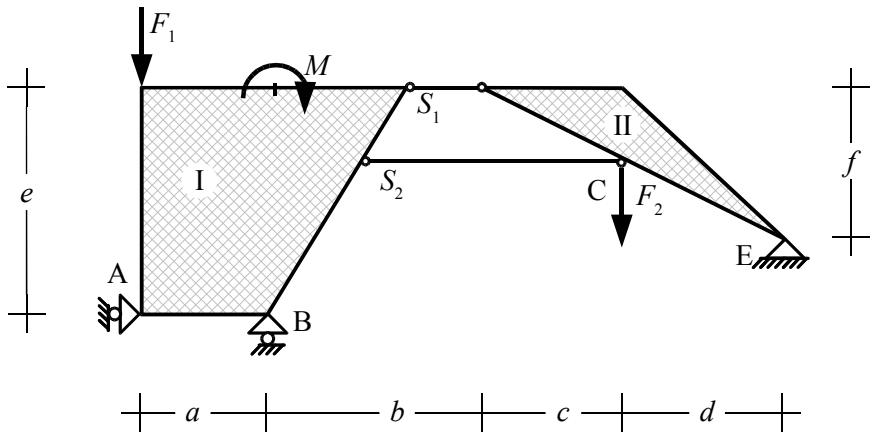
a= 1,5 m
b= 2,5 m
c= 2,0 m
d= 1,0 m
e= 3,0 m
f= 2,5 m
F_1= 14 kN
F_2= 7 kN
M= 7 kNm

Ö23



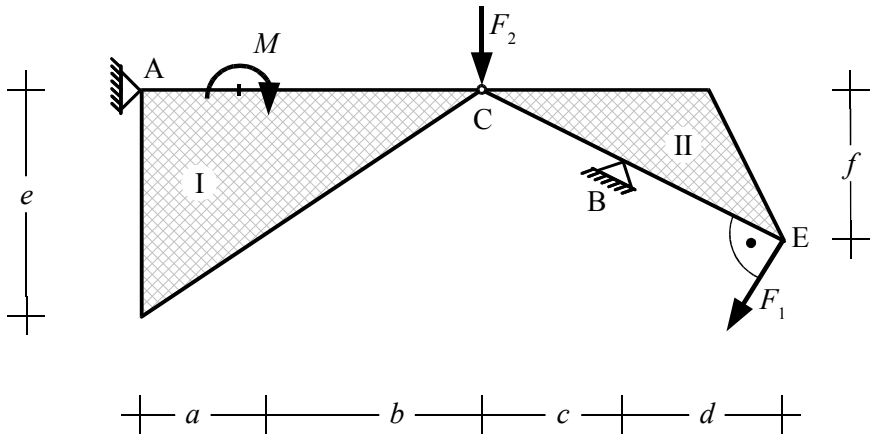
a= 2,0 m
b= 1,2 m
c= 1,6 m
d= 0,8 m
e= 0,8 m
f= 1,6 m
F_1= 22 kN
F_2= 3 kN
M= 9,6 kNm

Ö24



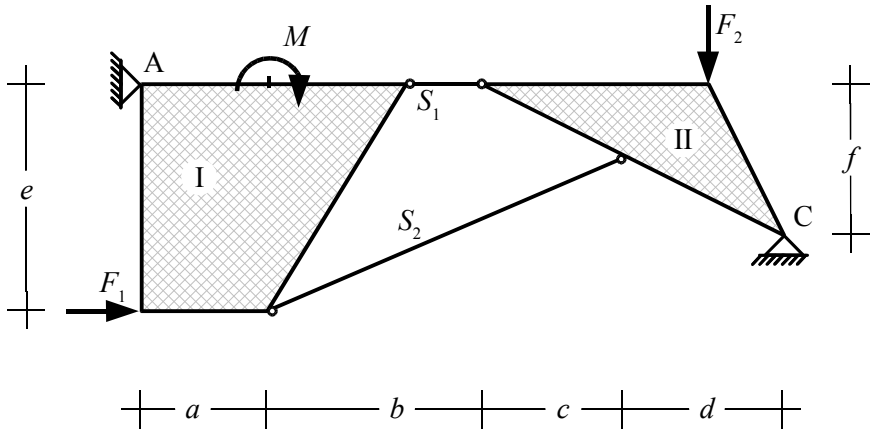
a= 1,5 m
b= 2,5 m
c= 2,0 m
d= 1,0 m
e= 3,0 m
f= 2,5 m
F_1= 14 kN
F_2= 7 kN
M= 7 kNm

Ö25



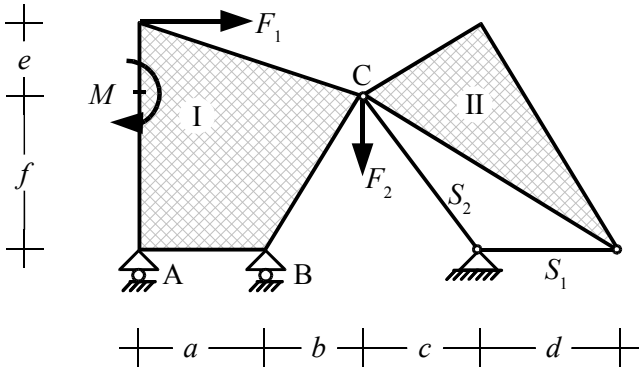
a= 1,0 m
b= 3,0 m
c= 1,5 m
d= 1,5 m
e= 3,5 m
f= 2,5 m
F_1= 15 kN
F_2= 22 kN
M= 11 kNm

Ö26



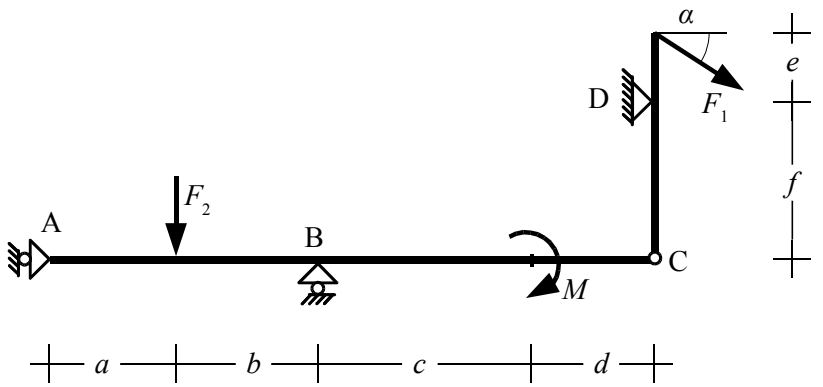
a= 1,5 m
b= 2,5 m
c= 2,0 m
d= 1,0 m
e= 3,0 m
f= 2,5 m
F_1= 14 kN
F_2= 7 kN
M= 7 kNm

Ö27



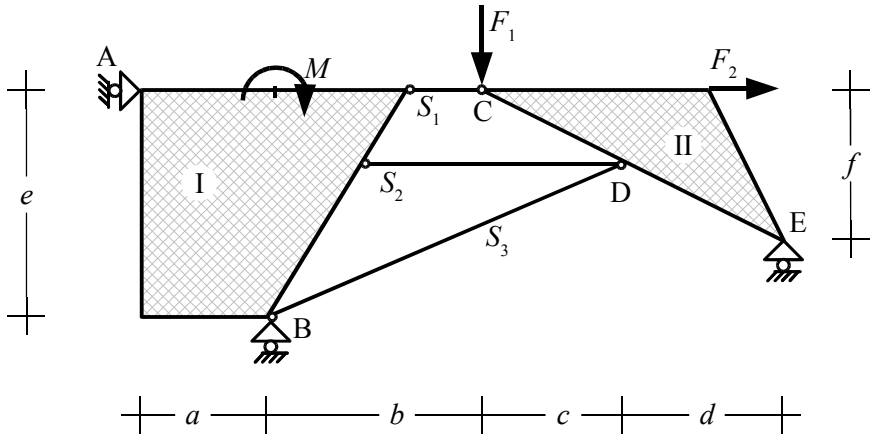
a= 2,0 m
b= 1,2 m
c= 1,6 m
d= 0,8 m
e= 0,8 m
f= 1,6 m
F_1= 22 kN
F_2= 3 kN
M= 9,6 kNm

Ö28



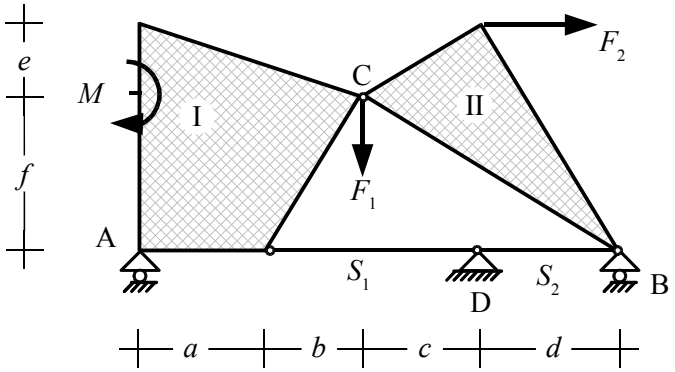
a= 1,4 m
b= 1,6 m
c= 2,3 m
d= 0,7 m
e= 0,8 m
f= 1,7 m
α= 30 °
F_1= 14 kN
F_2= 8 kN
M= 16 kNm

Ö29



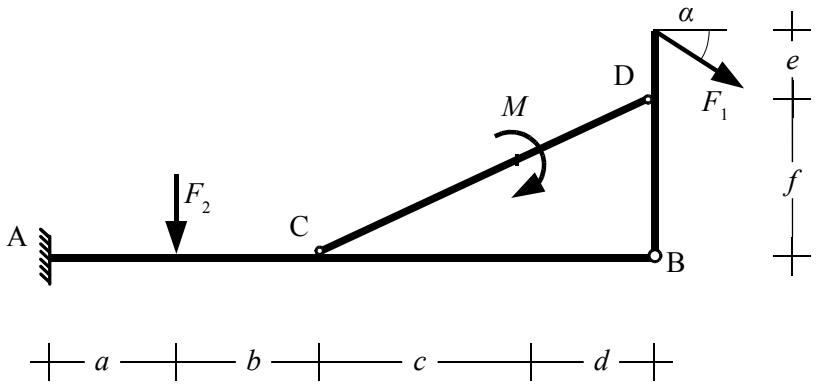
a= 1,5 m
b= 2,5 m
c= 2,0 m
d= 1,0 m
e= 3,0 m
f= 2,5 m
F_1= 14 kN
F_2= 7 kN
M= 7 kNm

Ö30



a= 2,0 m
b= 1,2 m
c= 1,6 m
d= 0,8 m
e= 0,8 m
f= 1,6 m
F_1= 22 kN
F_2= 3 kN
M= 9,6 kNm

Ö31



a= 1,4 m
b= 1,6 m
c= 2,3 m
d= 0,7 m
e= 0,8 m
f= 1,7 m
α= 30 °
F_1= 14 kN
F_2= 8 kN
M= 16 kNm

Meghatározandó:

Mindegyik feladatban az összes külső és belső reakció számítással.

Az Ö9-15, Ö17, Ö29 feladatokban az összes külső és belső reakció szerkesztéssel.

Az Ö1-3, Ö5-8, Ö20 feladatokban az összes külső reakció szerkesztéssel.

Az Ö4, Ö16 feladatokban az összes belső reakció szerkesztéssel.

Ellenőrzés: minden testnek és csuklónak egyensúlyban kell lennie.