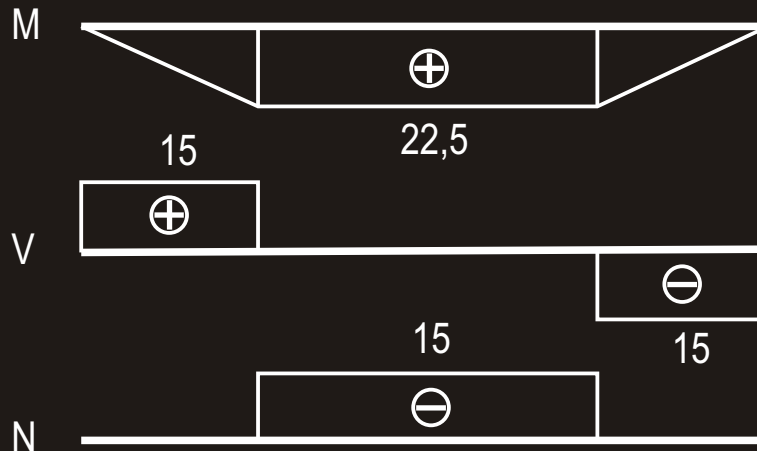
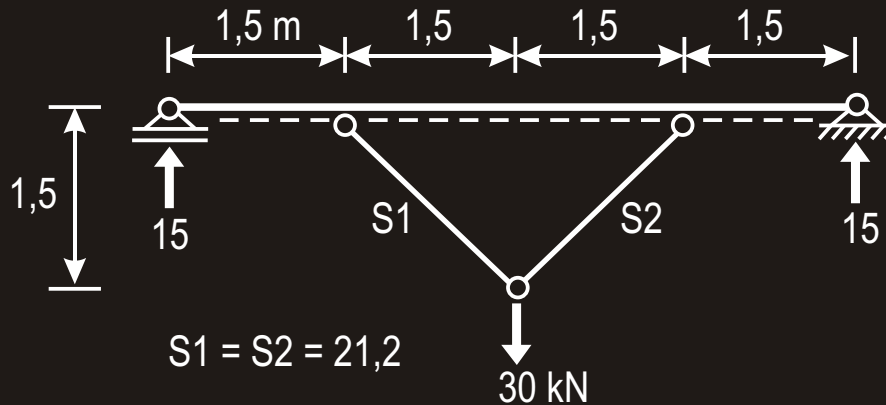
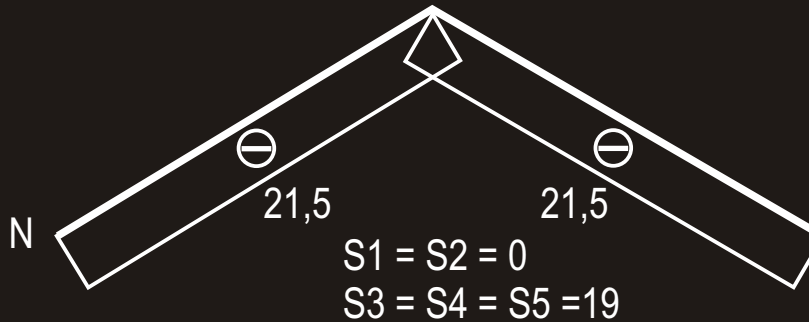
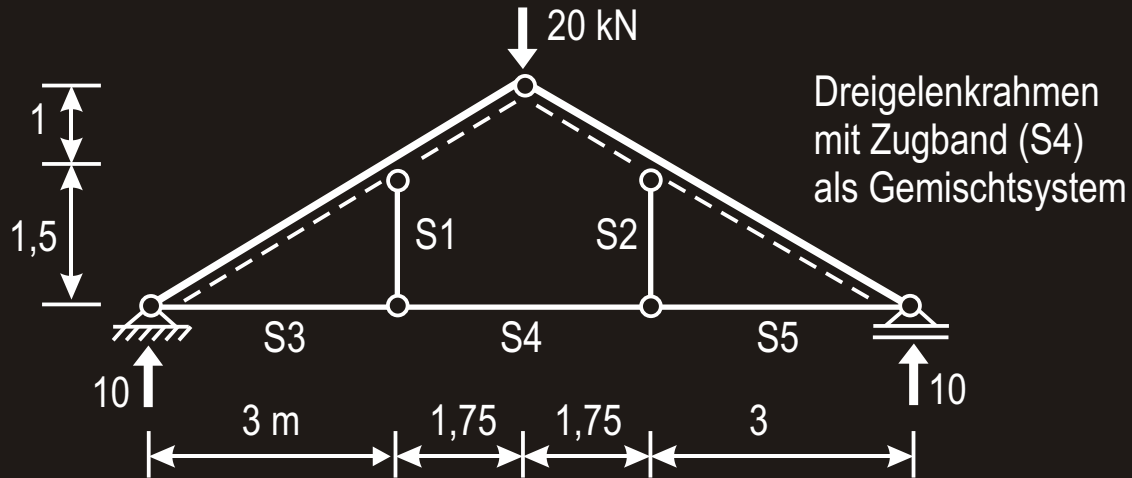
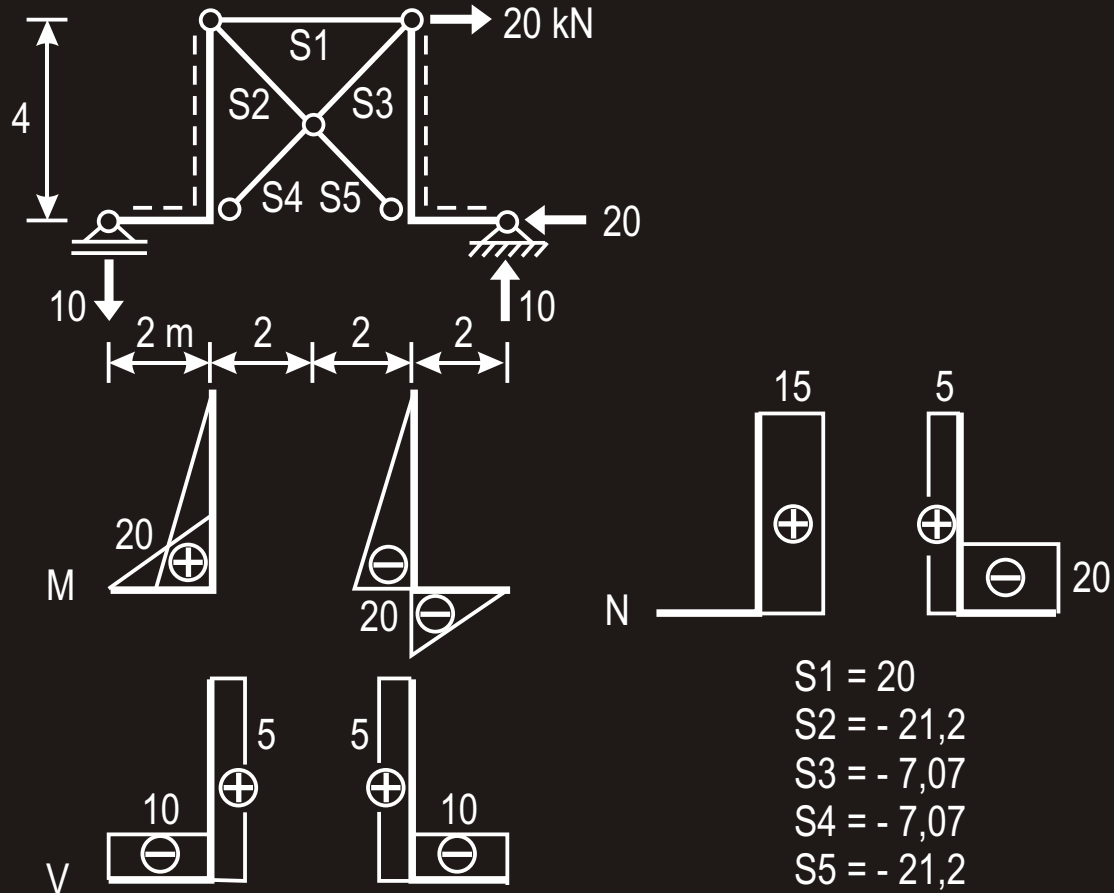


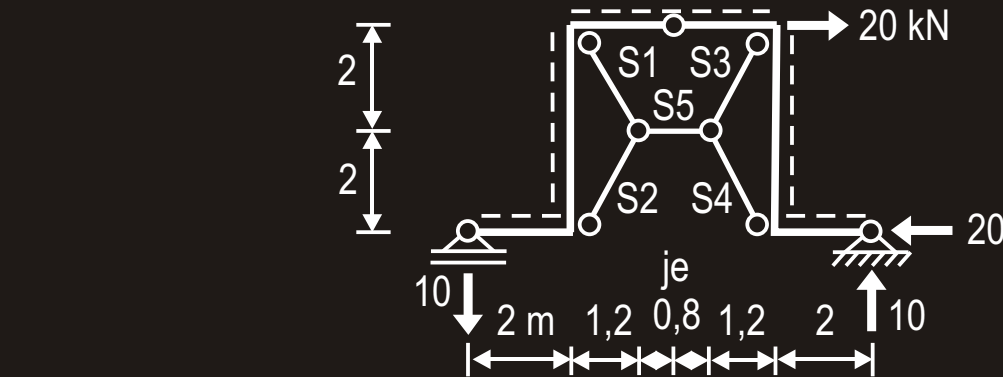
Diethard Thieme
Skripte zur Baumechanik

Übungen
mit
Lösungen
BM 44

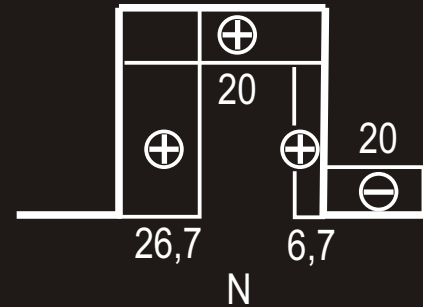
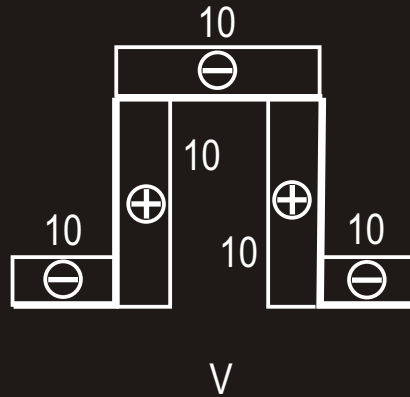
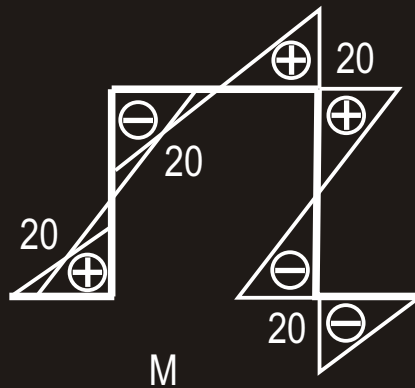


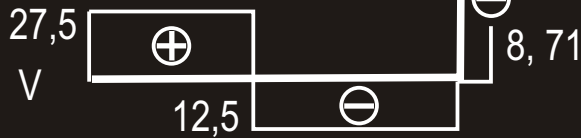
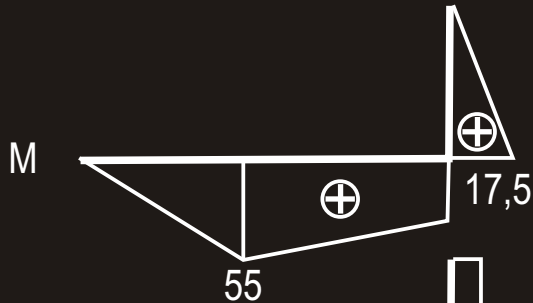
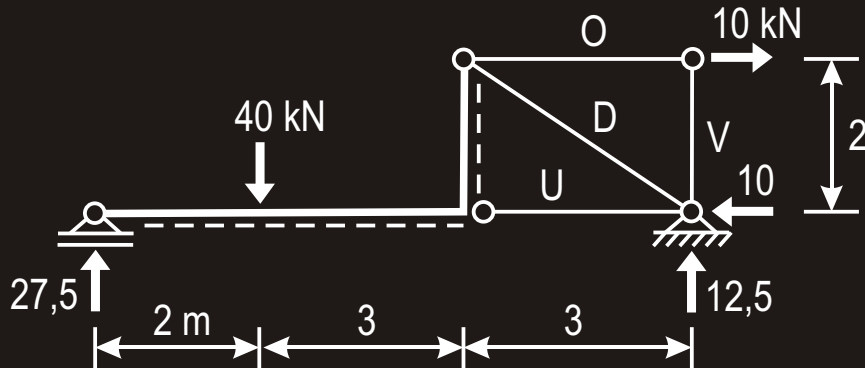




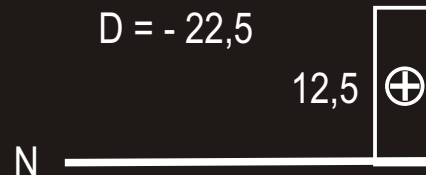


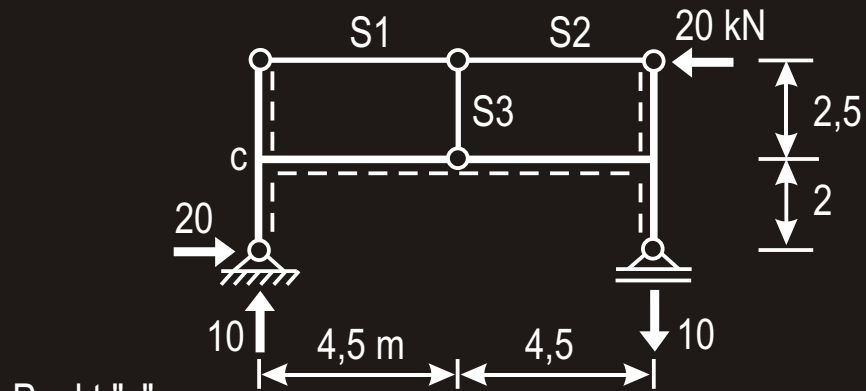
$$\begin{aligned} S1 &= -19,4 \\ S2 &= -19,4 \\ S3 &= -19,4 \\ S4 &= -19,4 \\ S5 &= 20 \end{aligned}$$





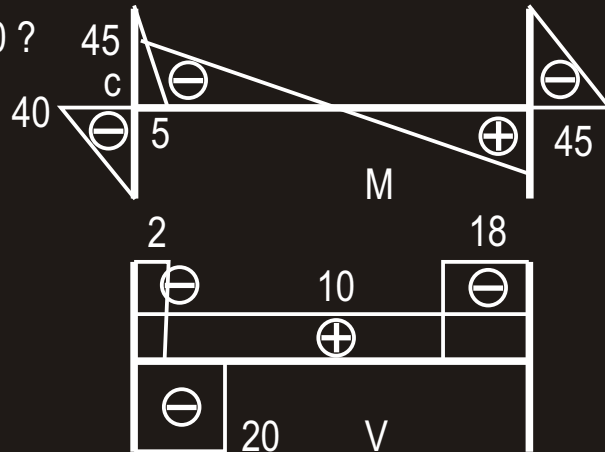
$$\begin{aligned} O &= 10 \\ U &= 8,71 \\ V &= 0 \\ D &= -22,5 \end{aligned}$$





Punkt "c"

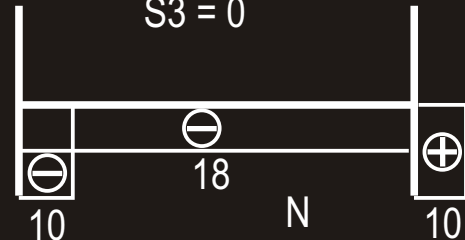
$M = 0$?

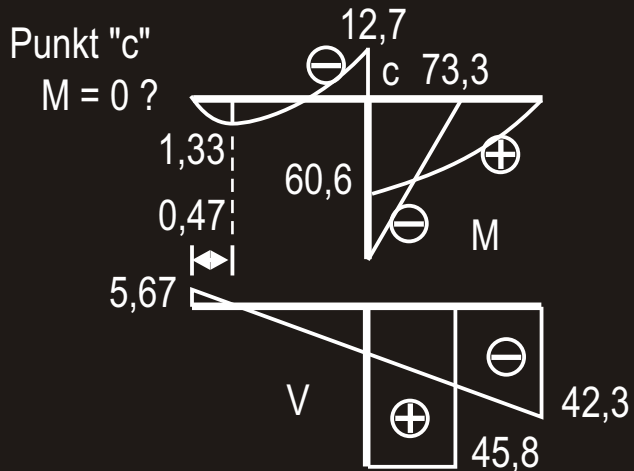


$$S_1 = -2$$

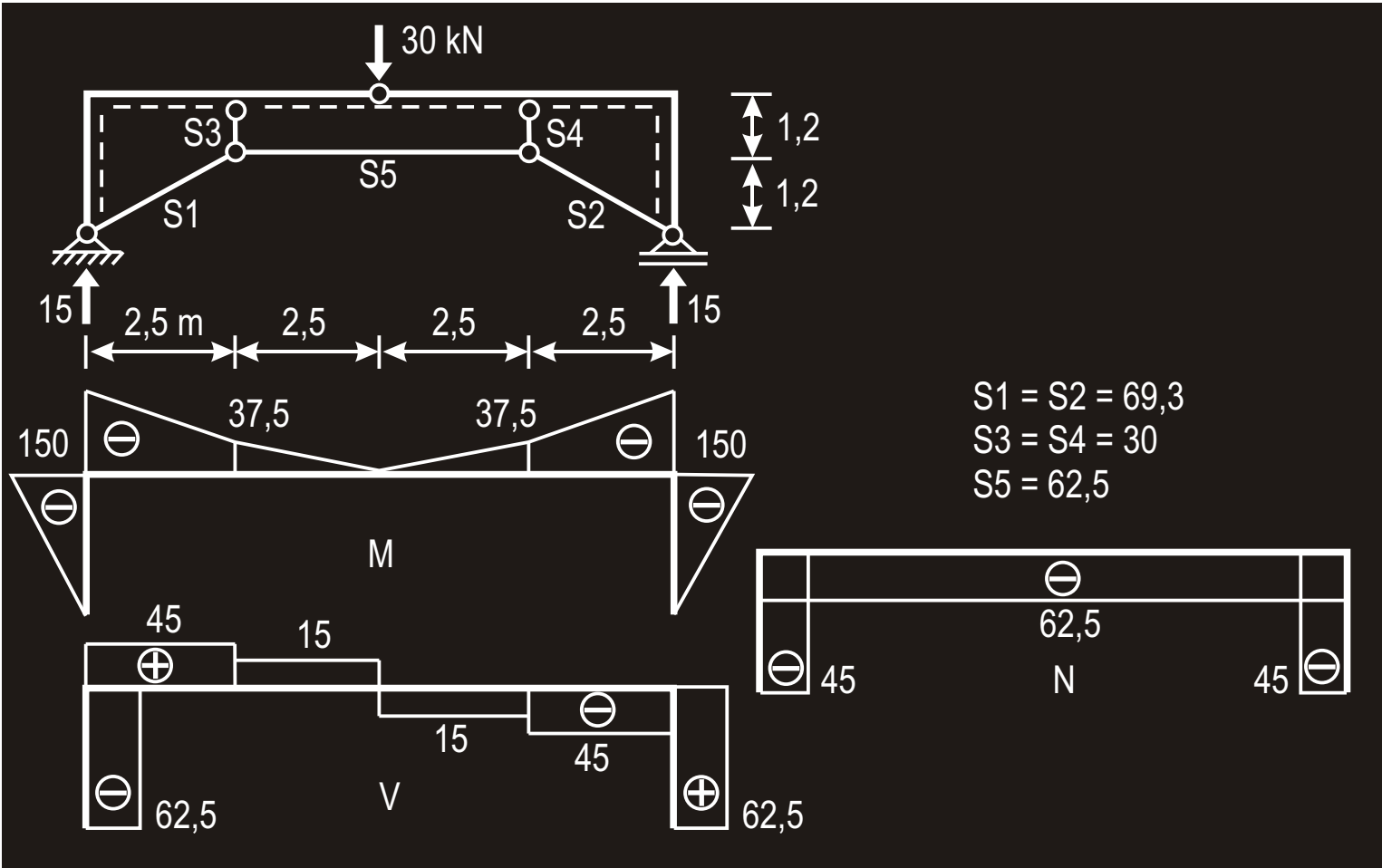
$$S_2 = -2$$

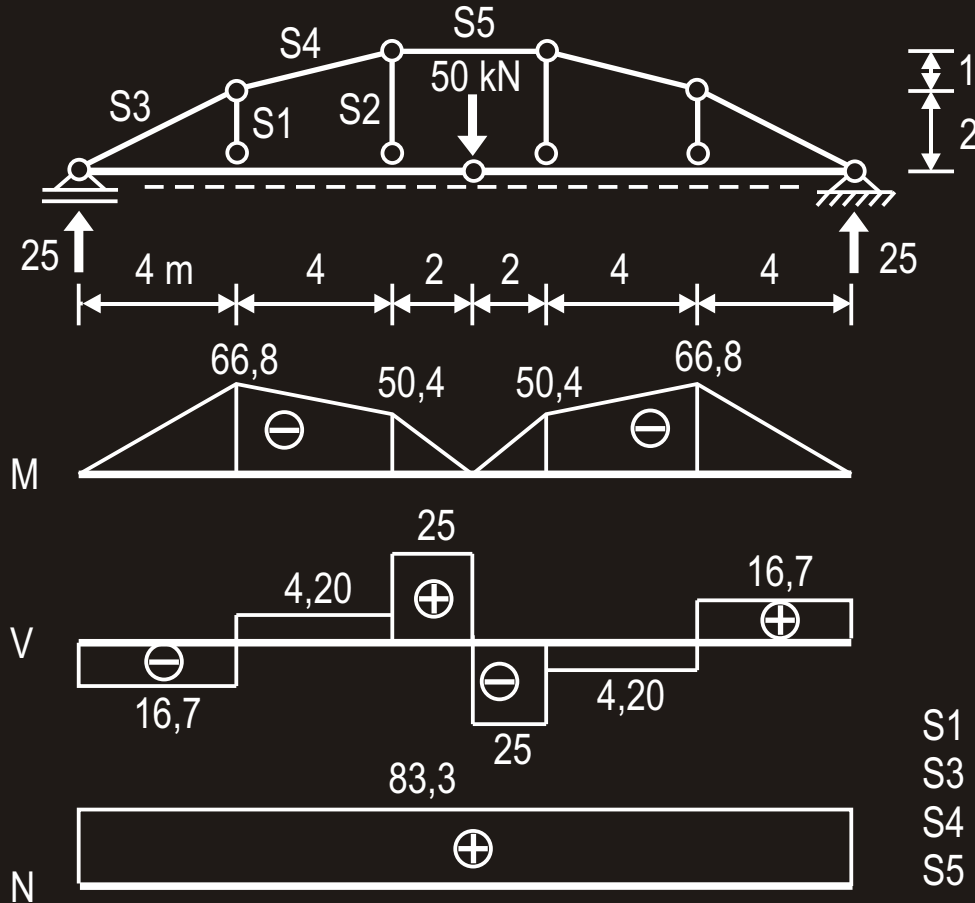
$$S_3 = 0$$



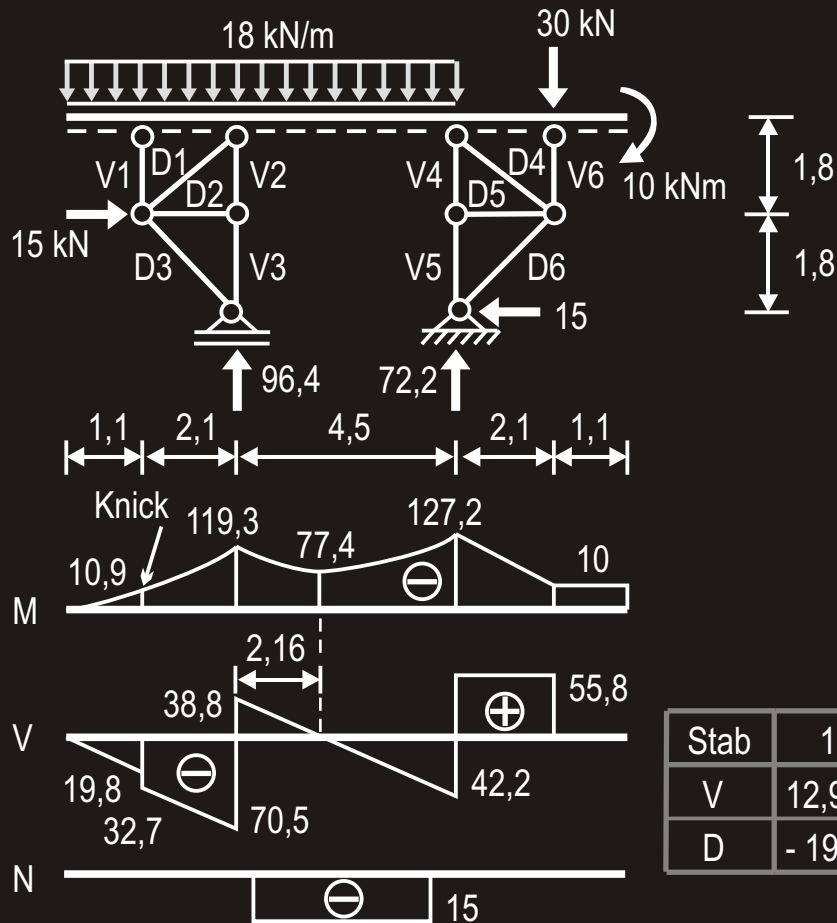


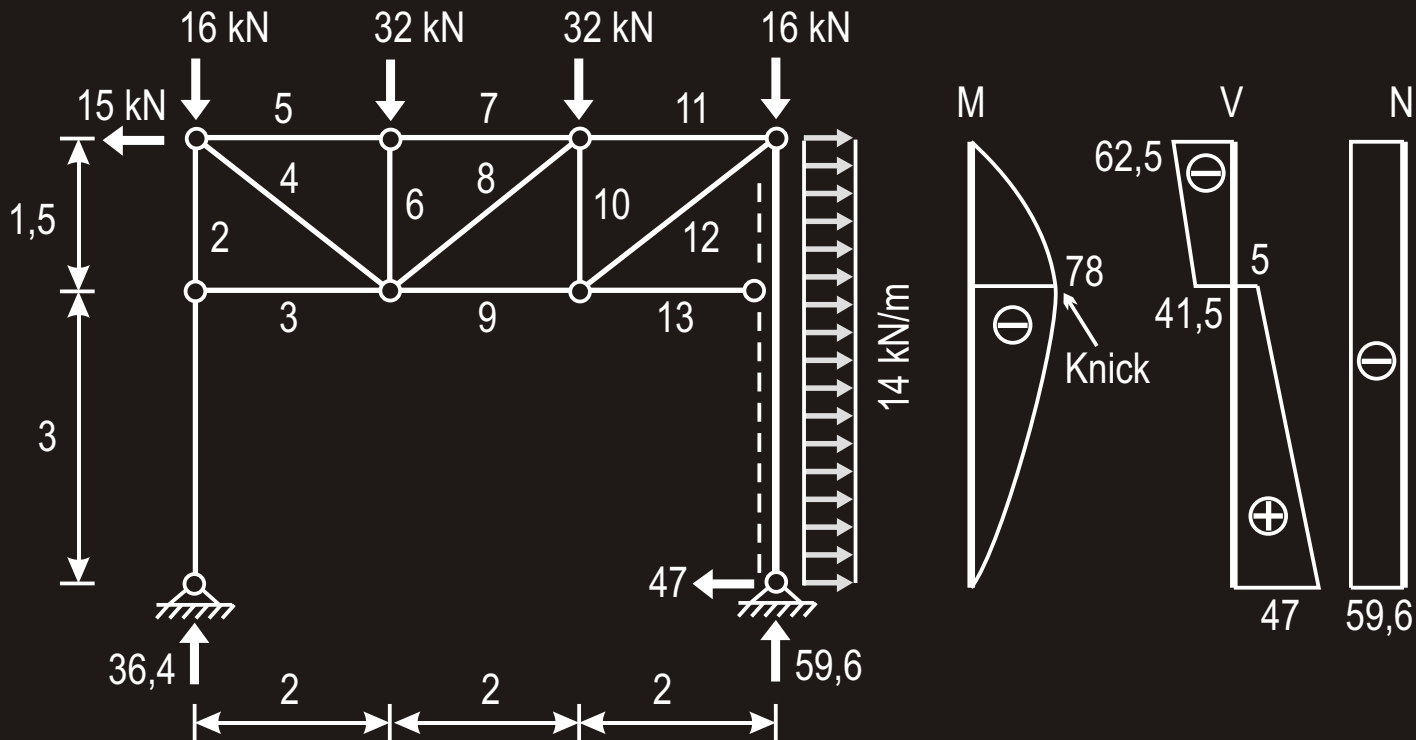
A diagram of a T-junction. The top horizontal bar has a positive charge symbol $\oplus$ and the value 38,75. The vertical stem has a negative charge symbol $\ominus$ and the value 7,08. The letter 'N' is written below the stem.



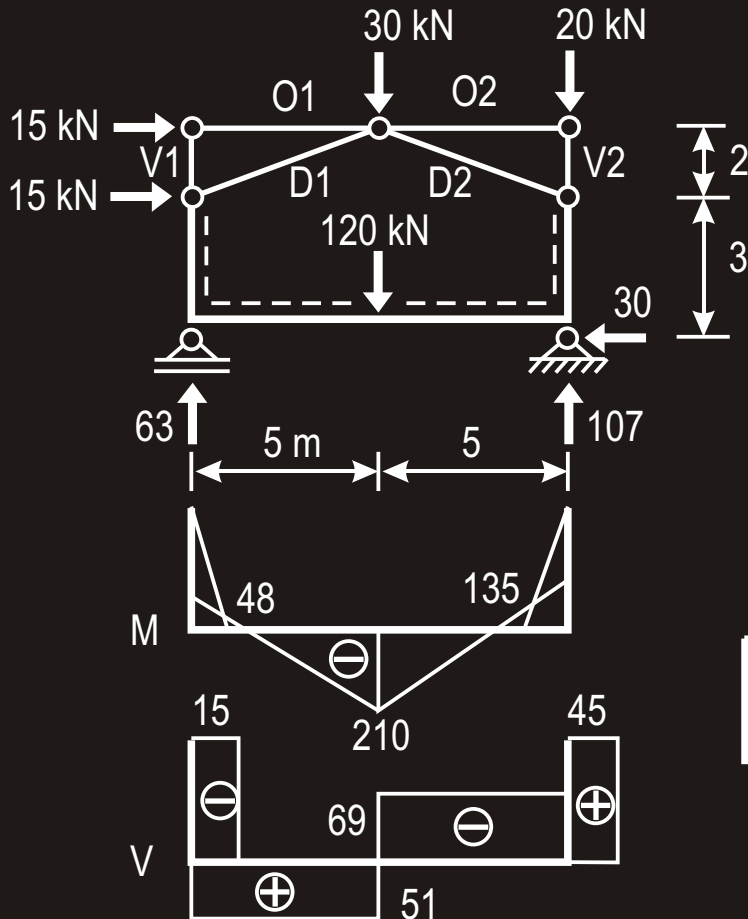


$$\begin{aligned}
 S1 &= S2 = 20,8 \\
 S3 &= -93,2 \\
 S4 &= -85,9 \\
 S5 &= -83,3
 \end{aligned}$$





$S1 = -36,4$	$S4 = 33,9$	$S7 = -11,2$	$S10 = -43,6$	$S13 = -46,5$
$S2 = -36,4$	$S5 = -11,2$	$S8 = 19,4$	$S11 = 4,33$	
$S3 = 0$	$S6 = -32$	$S9 = 11,7$	$S12 = 72,7$	



Auf dem geknickten
Träger sitzt ein
Dreigelenkrahmen aus
zwei Fachwerkscheiben

$$O1 = -15$$

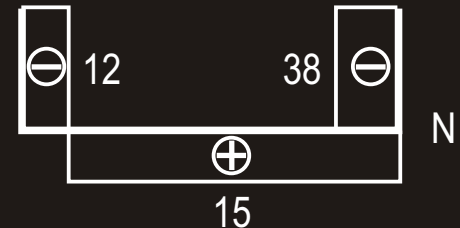
$$O2 = 0$$

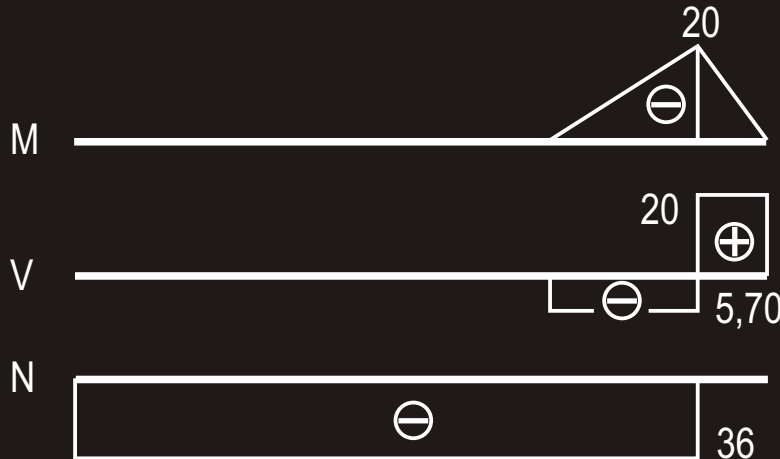
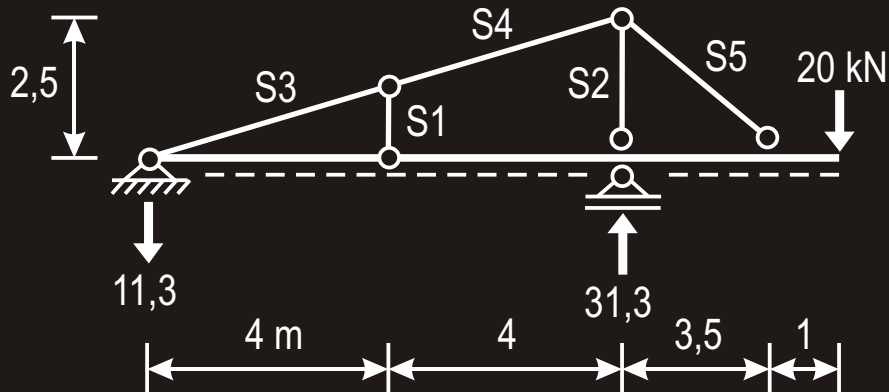
$$V1 = 0$$

$$V2 = -20$$

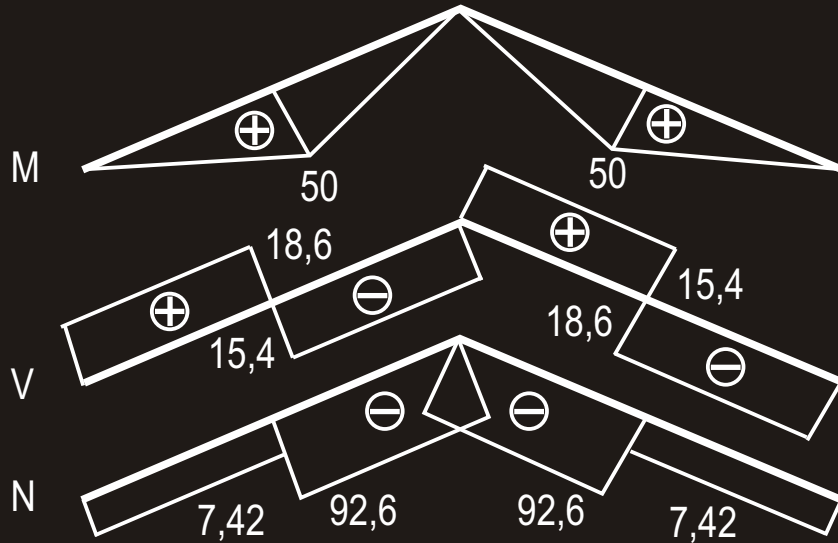
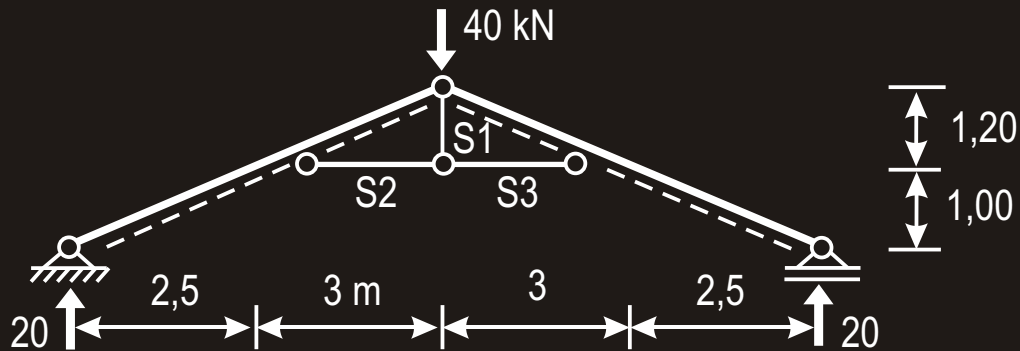
$$D1 = -32,3$$

$$D2 = -48,5$$



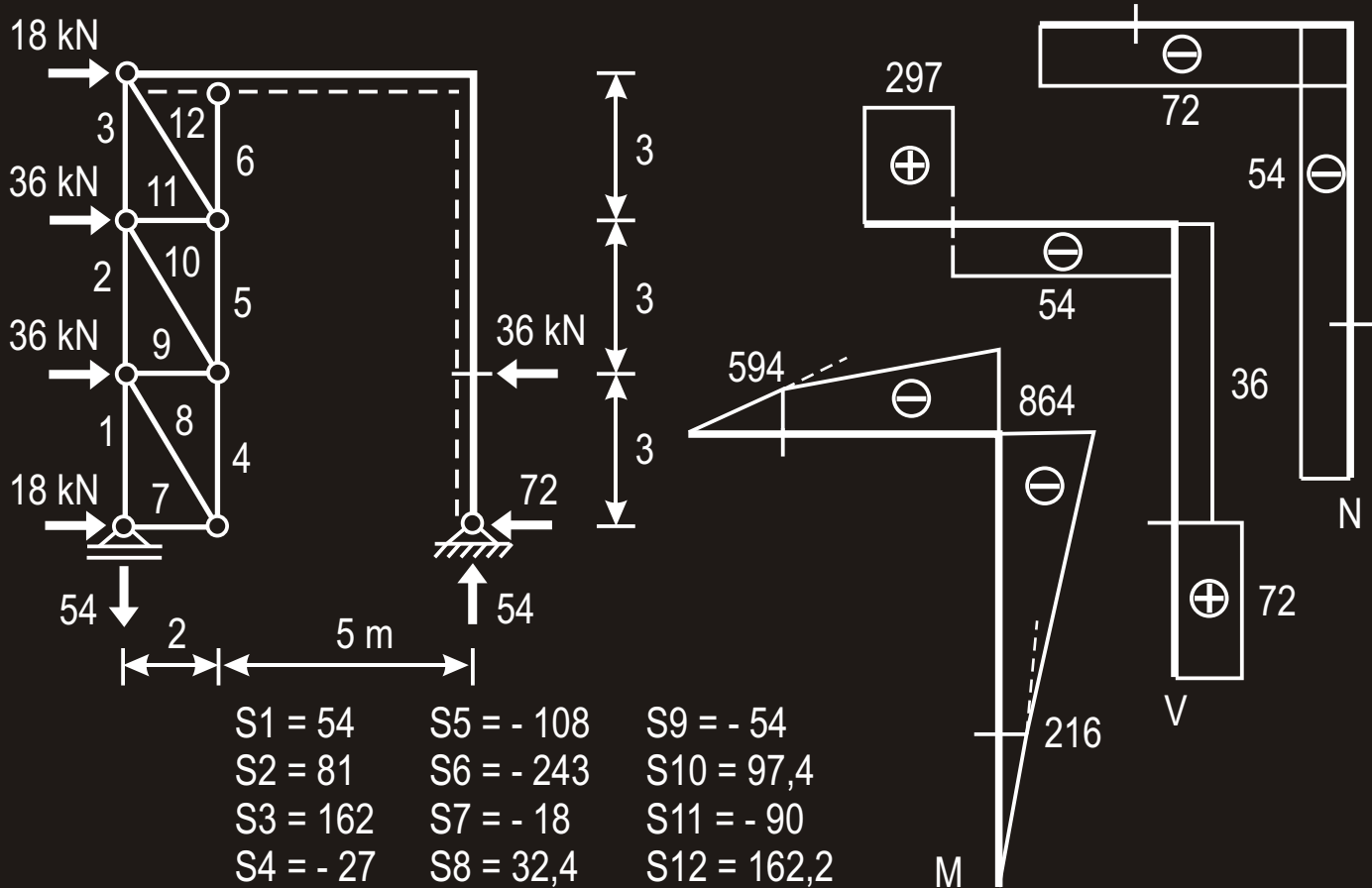


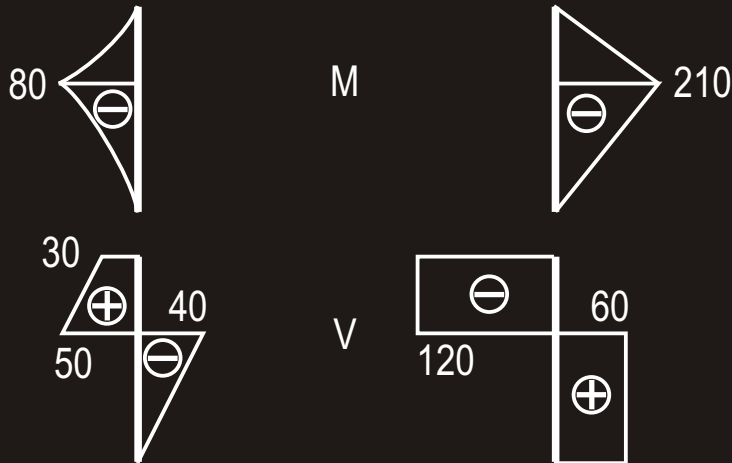
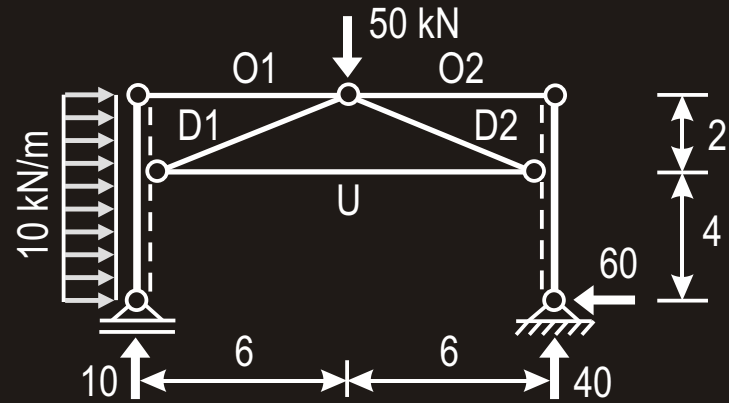
$$\begin{aligned}
 S1 &= 0 \\
 S2 &= -37 \\
 S3 &= S4 = 37,8 \\
 S5 &= 44,2
 \end{aligned}$$



$$S1 = 0$$

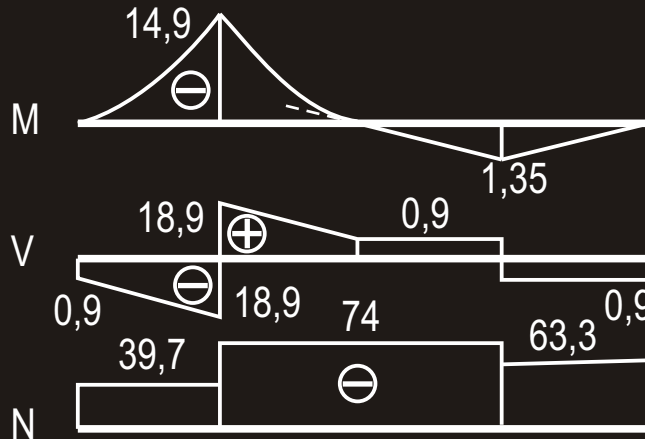
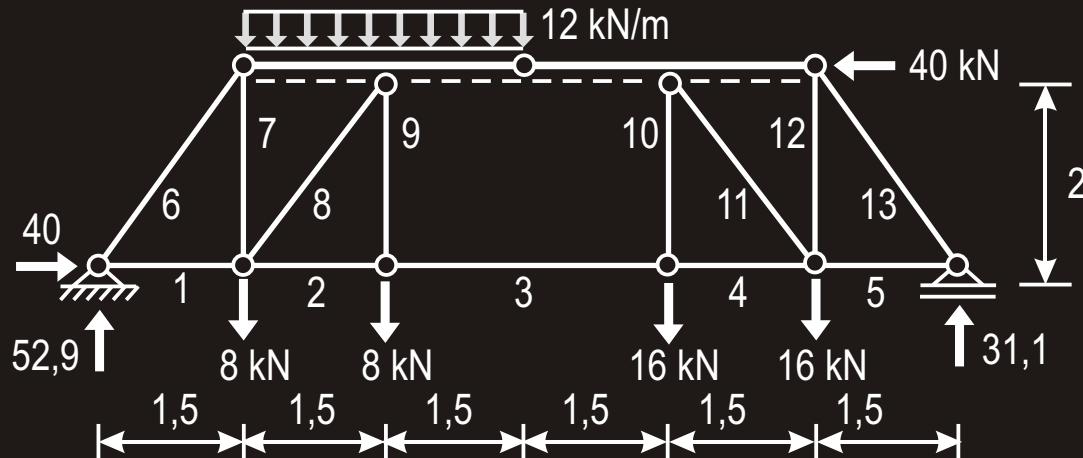
$$S2 = S3 = 91,7$$





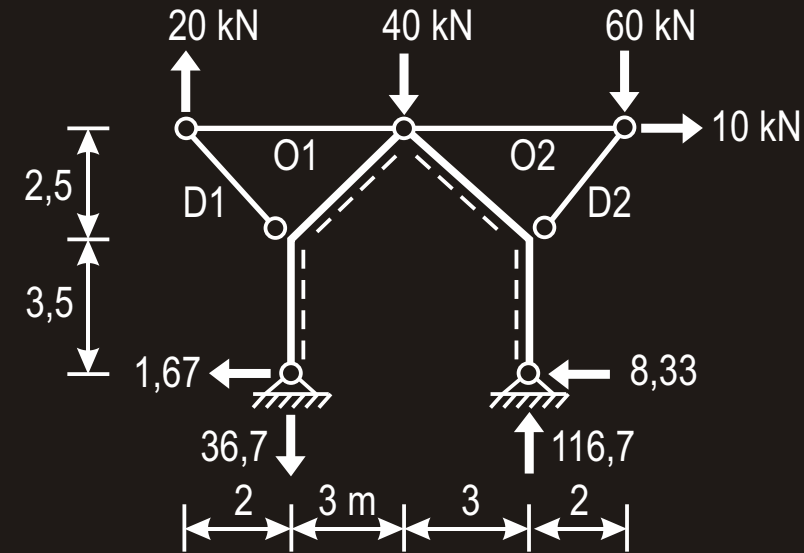
$$\begin{aligned} O1 &= 30 \\ O2 &= 120 \\ D1 &= -31,6 \\ D2 &= -126,5 \\ U &= -60 \end{aligned}$$



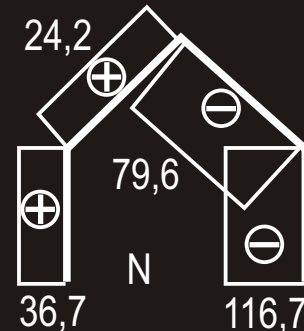
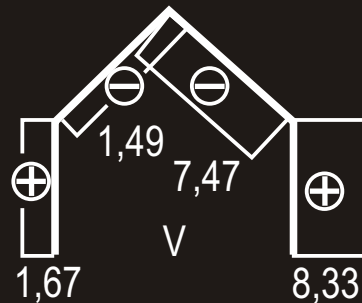
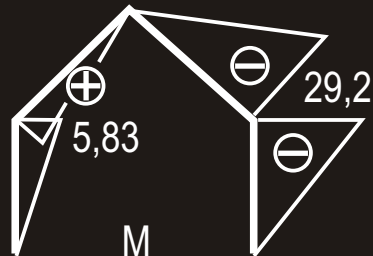


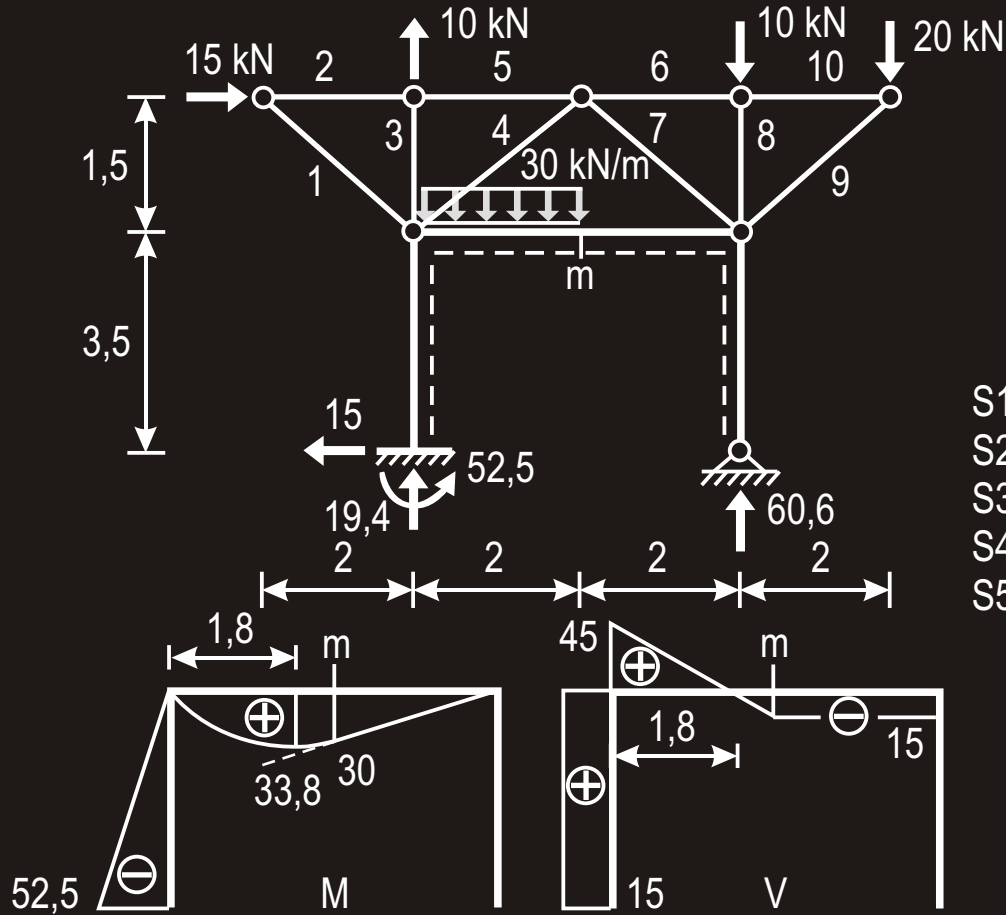
$$\begin{aligned} S1 &= -0,33 \\ S2 &= 34 \\ S3 &= 34 \\ S4 &= 34 \\ S5 &= 23,3 \\ S6 &= -66,1 \\ S7 &= 53,8 \end{aligned}$$

$$\begin{aligned} S8 &= -57,2 \\ S9 &= 8 \\ S10 &= 16 \\ S11 &= -17,8 \\ S12 &= 30,2 \\ S13 &= -38,9 \end{aligned}$$



$$\begin{aligned} O1 &= -16 \\ O2 &= 58 \\ O3 &= 25,6 \\ D2 &= -76,8 \end{aligned}$$





$S_1 = 0$	$S_6 = 26,6$
$S_2 = -15$	$S_7 = -26$
$S_3 = 10$	$S_8 = -10$
$S_4 = 26$	$S_9 = -33,3$
$S_5 = -15$	$S_{10} = 26,6$

