

## Lösungen zu den Beispielen H1 - H2

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Beispiel H1:

$p_a$	$p_b$	$p_c$	$p_d$
0	$\rho gl$	$2\rho gl$	$3\rho gl$

$F_{ab}^H$	$F_{ab}^V$	$F_{bc}$	$F_{cd}$
$\frac{1}{2}\rho gl^2 b$	$\frac{\pi}{4}\rho gl^2 b$	$\frac{3}{2}\rho gl^2 b$	$\frac{5\sqrt{2}}{2}\rho gl^2 b$

$\alpha_{ab}$	$y_{bc}$	$y_{cd}$
$\arctan\left(\frac{\pi}{2}\right) = 57,52^\circ$	$\frac{14}{9}l$	$\frac{38\sqrt{2}}{15}l$

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Beispiel H2:

$F_{ab}$ [kN]	$F_{bc}$ [kN]	$F_{cd}$ [kN]	$F_{de}$ [kN]	$F_{ef}$ [kN]
80,00	149,71	240,00	133,59	84,85

$y_{ab}$ [m]	$y_{ef}$ [m]	$\alpha_{bc}$ [°]	$\alpha_{de}$ [°]	$S_1$ [kN]
2,67	4,40	48,09	41,53	3,33