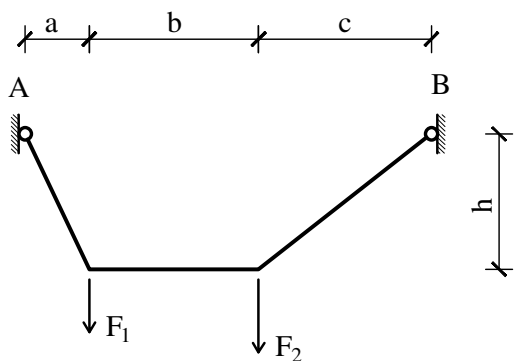


4. Determine F_1 and F_2 , if the support reaction force at point B is exactly 20 kN! Calculate the support reaction forces! (15+15 points)



Data:

a [m]	b [m]	c [m]	h [m]

Results:

The data marked by grey colour should be given as a signed value. Positive support reactions: $\uparrow \rightarrow \curvearrowright$.

A_x [kN]	A_y [kN]	B_x [kN]	B_y [kN]
F_1 [kN]	F_2 [kN]		