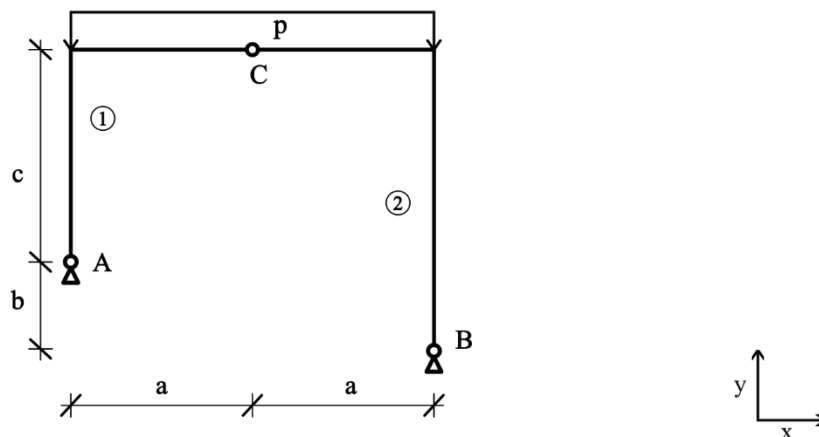


4. Calculate the support and joint reactions, draw a free body diagram! Please, hand in the free body diagram in paper format. (6 points)



Data	$p$ [kN/m]	$a$ [m]	$b$ [m]	$c$ [m]
Example	20	3	2	4
Individual				

Solution	$A_y$ [kN]	$A_x$ [kN]	$B_y$ [kN]	$B_x$ [kN]	$C_{1y}$ [kN]	$C_{1x}$ [kN]	$C_{2y}$ [kN]	$C_{2x}$ [kN]
Example	54	18	66	-18	6	18	6	18
Individual								

(Please note, the data marked by grey colour should be given by its sign. Positive:  $\rightarrow, \uparrow$ )