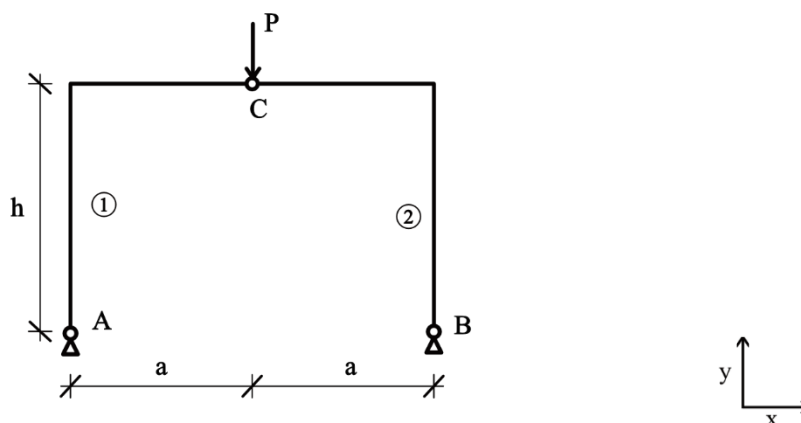


3. Calculate the support and joint reactions, draw a free body diagram! Please hand in the free body diagram in paper format. (4 points)

What can we know about the direction of the forces at the supports?



Data	P [kN]	a [m]	h [m]
Example	120	3	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	60	45	60	-45	60	45	60	45
Individual								

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