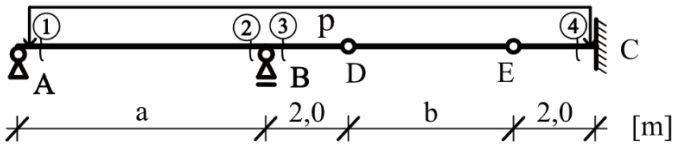
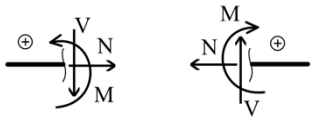
3. Draw the internal force diagrams (N, V, M) of the structure! (7 + 7 points)

Scan your calculations and internal force diagrams and submit them in Moodle!





	$p\ [kN/m]$	$a\ [m]$	$b\ [m]$
Example data:	10	6	4
Individual data:			

The data marked by grey colour should be given as a signed value. Positive support reactions: ↑ → ↷.

	V_1	V_2	V_3	V_4
Example solution:	+20	-40	+40	-40
Individual solution:				
	M_1	M_2	M_3	M_4
Example solution:	0	-60	-60	-60
Individual solution:				
	b_{1-2} [kNm]	b_{3-4} [kNm]	M_{1-2}^{max} [kNm]	M_{3-4}^{max} [kNm]
Example solution:	45	80	+19,87	+20
Individual solution:				

	A_y [kN]	B_y [kN]	C_y [kN]	D_y [kN]	E_y [kN]	M_C [kNm]
Example solution:	+20	+80	+40	20	20	+60
Individual solution:						