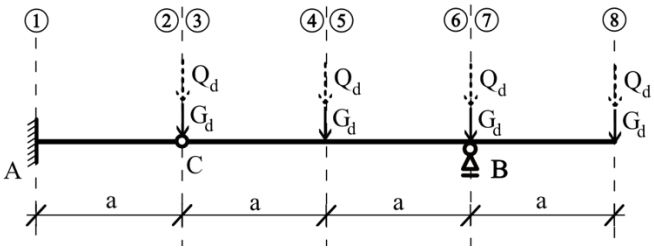
2. Draw the envelope diagram for shear and for moment by supposing loading schemes according to the "chessboard-method"! (7 + 6 points)

<u>Please, hand in the V, M diagrams of the loading schemes and the envelope diagrams. A proportional drawing with the help of a ruler is recommended.</u>



Data	Q_d $[kN]$	G_d $[kN]$	a $[m]$
Example	20	10	2
Individual			

<u>Example results:</u> M_{if}, V_{if}: upper envelope, M_{ia}, V_{ia}: lower envelope

Results	V_{1f}	V_{2f}	V_{3f}	V_{4f}	V_{5f}	V_{6f}	V_{7f}	V_{8f}
Example	0	0	-10	-10	-30	-30	10	10
Individual								
	V_{1a}	V_{2a}	V_{3a}	V_{4a}	V_{5a}	V_{6a}	V_{7a}	V_{8a}
Example	40	40	10	10	-10	-10	30	30
Individual								

Results	M_{1f}	M_{2f}	M_{3f}	M_{4f}	M_{5f}	M_{6f}	M_{7f}	M_{8f}
Example	-80	0	0	-20	-20	-60	-60	0
Individual								
	M_{1a}	M_{2a}	M_{3a}	M_{4a}	M_{5a}	M_{6a}	M_{7a}	M_{8a}
Example	0	0	0	20	20	-20	-20	0
Individual								