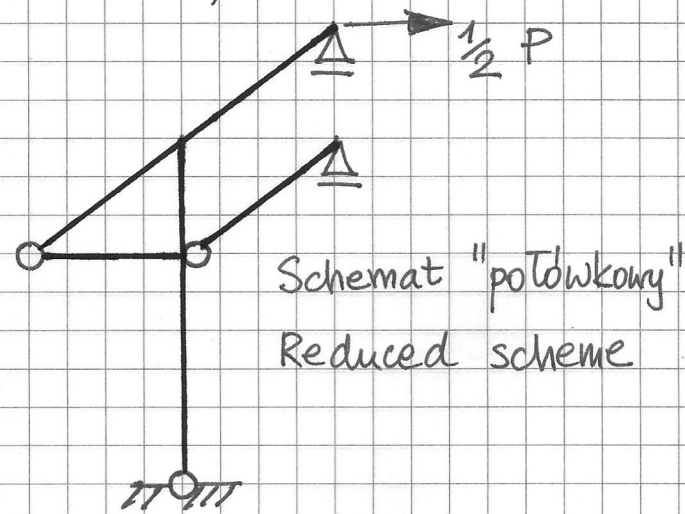
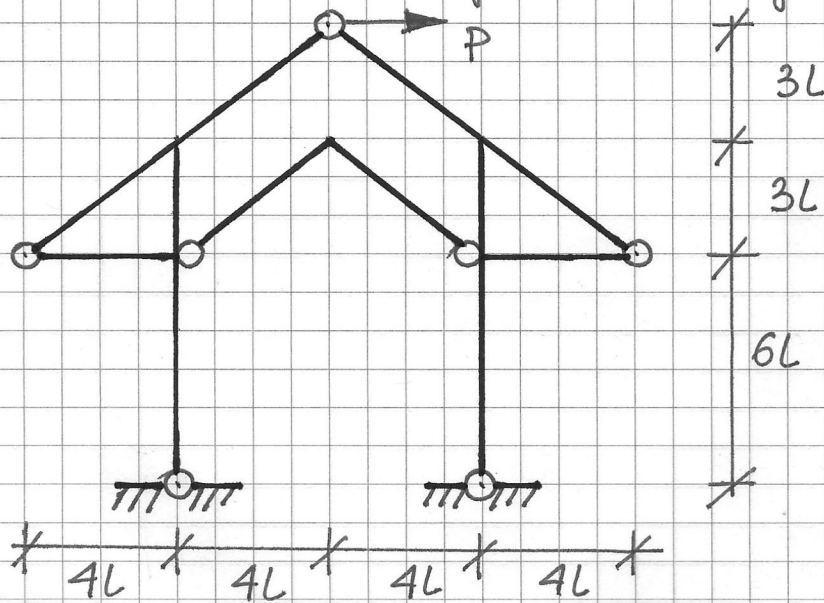
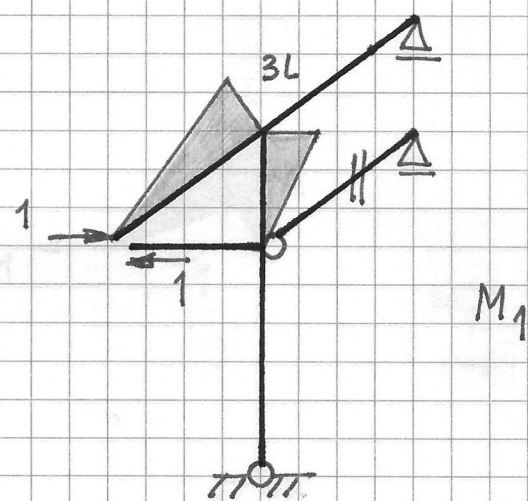
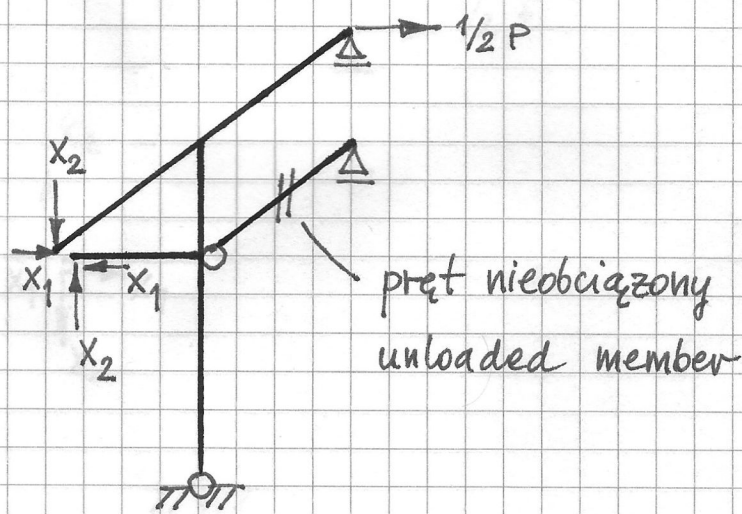


Narysuj wykres M przy założeniu $EJ = \text{const.}$, $\epsilon = 0$ ($EA = +\infty$)
Find the M diagram assuming $EJ = \text{const.}$, $\epsilon = 0$ ($EA = +\infty$)

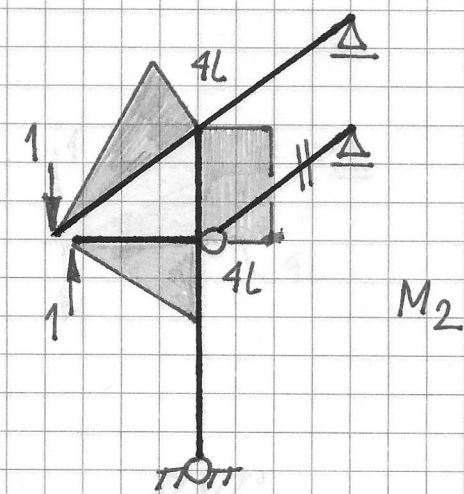


Schemat statycznie wyznaczalny
Primary structure

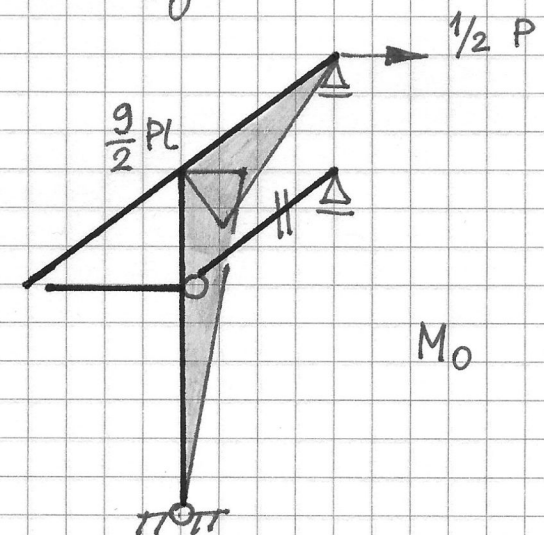
$X_1 = 1$



$X_2 = 1$



"0"



$$\delta_{11} = 24 \frac{L^3}{EJ}$$

$$\delta_{12} = \delta_{21} = 38 \frac{L^3}{EJ}$$

$$\delta_{22} = 96 \frac{L^3}{EJ}$$

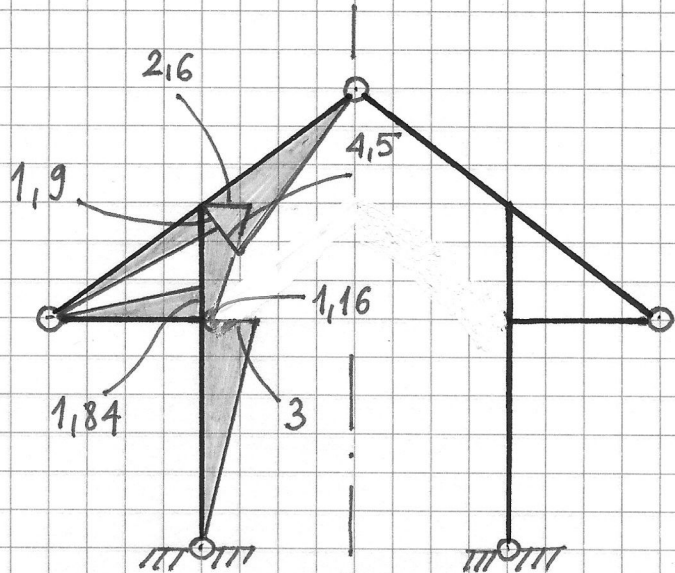
$$\delta_{10} = 18 \frac{PL^3}{EJ}$$

$$\delta_{20} = 45 \frac{PL^3}{EJ}$$

$$X_1 = -0,021 P$$

$$X_2 = -0,46 P$$

$$M = M_1 X_1 + M_2 X_2 + M_0$$



M [PL]

anti symetria
anti symmetry