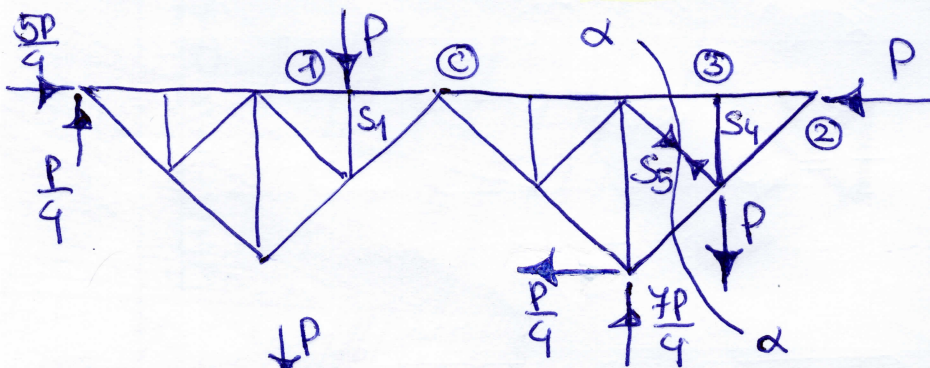


$$\sum M_C^L = 4aR_A - Pe = 0 \Rightarrow R_A = \frac{P}{4}$$

$$\sum P_y = R_A + R_B - 2P = 0 \Rightarrow R_B = \frac{7P}{4}$$

$$\sum M_C^P = 3Pe - 2aR_B + 2aH_B = 0 \Rightarrow H_B = \frac{P}{4}$$

$$\sum P_x = H_A - H_B - P = 0 \Rightarrow H_A = \frac{5P}{4}$$



węzeł ①

$$\sum P_y = P + S_1 = 0 \Rightarrow S_1 = -P$$

węzeł ②

$$\sum P_y = S_6 \frac{\sqrt{2}}{2} = 0 \Rightarrow S_6 = 0$$

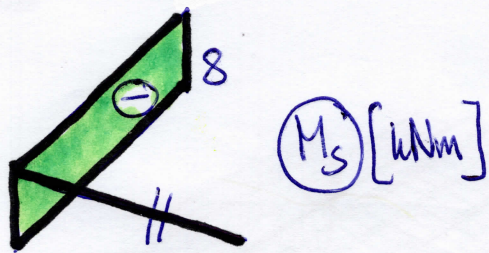
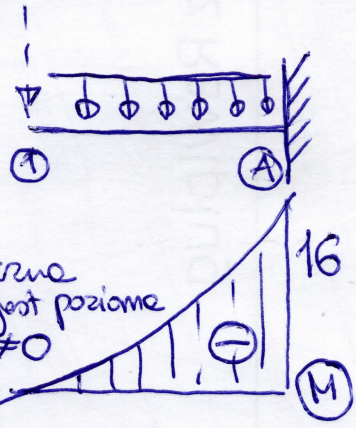
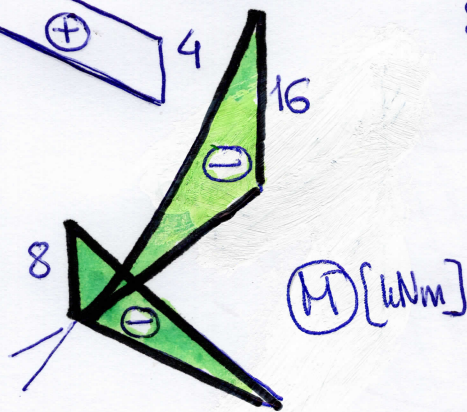
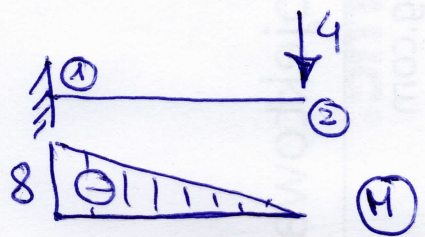
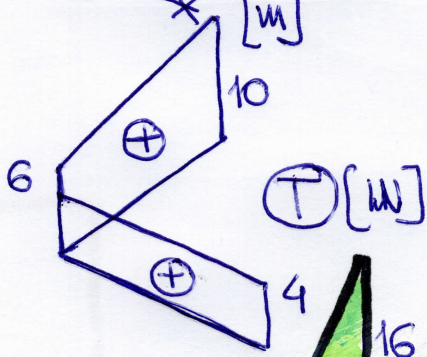
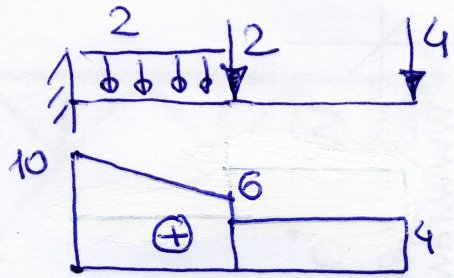
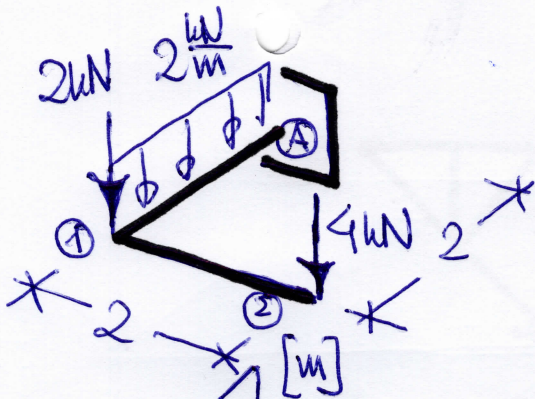
$$\sum P_x = P + S_3 = 0 \Rightarrow S_3 = -P$$

węzeł ③

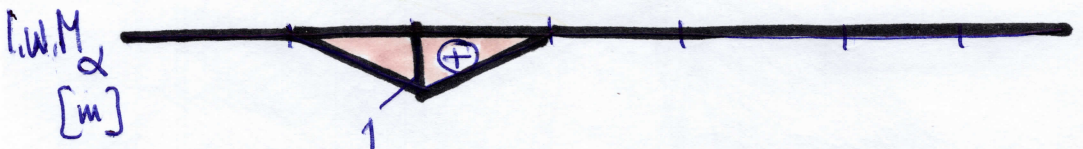
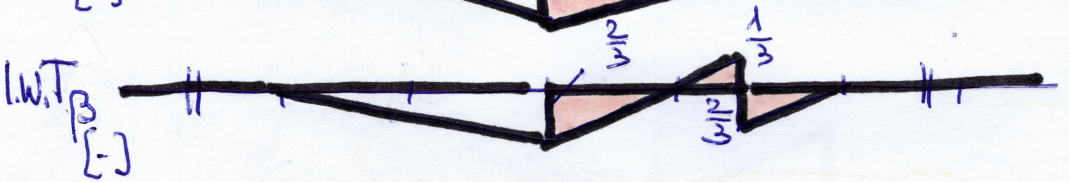
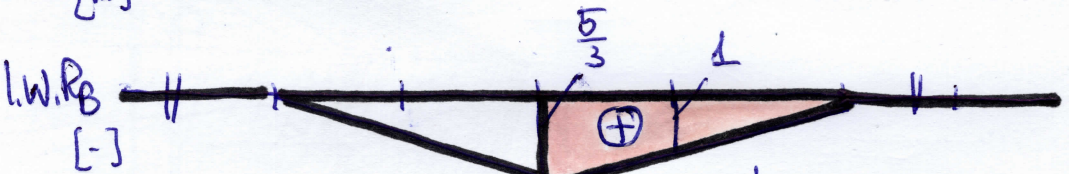
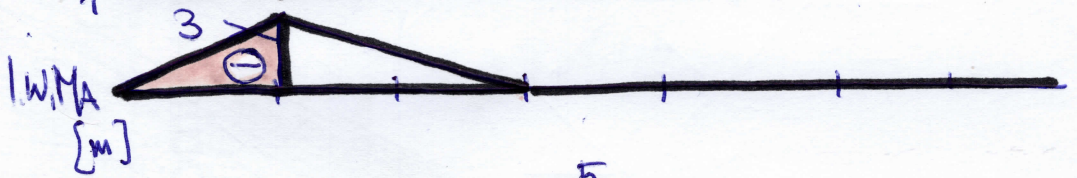
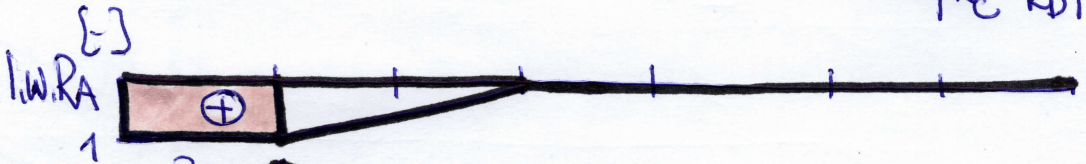
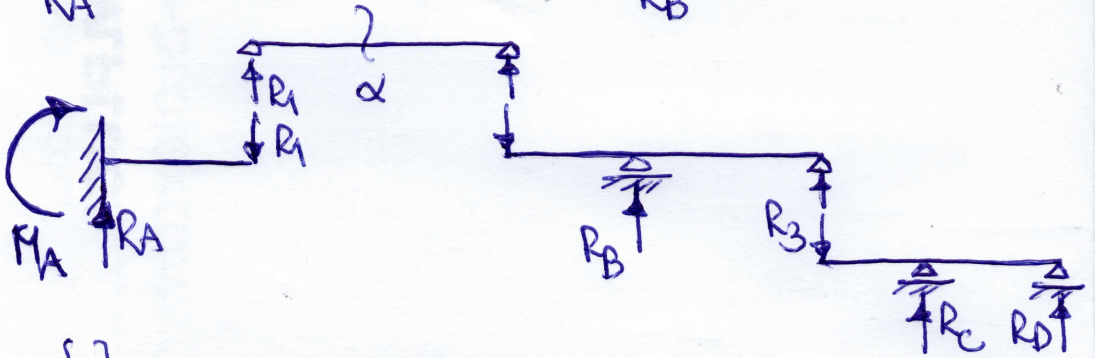
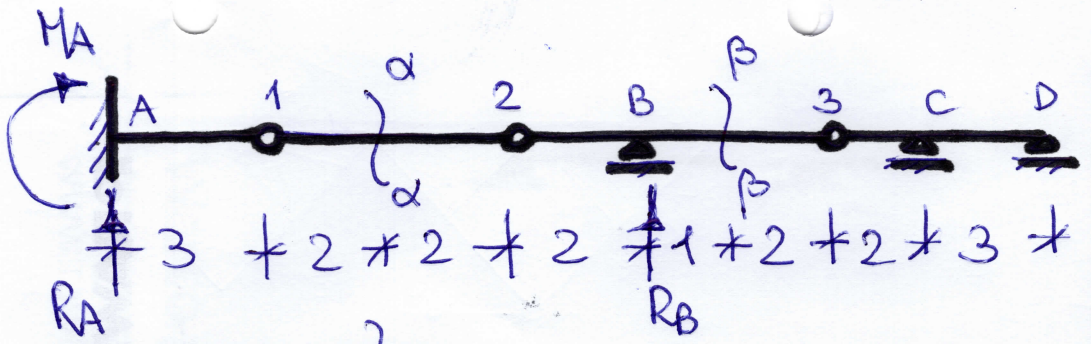
$$\sum P_y = 0 \Rightarrow S_4 = 0$$

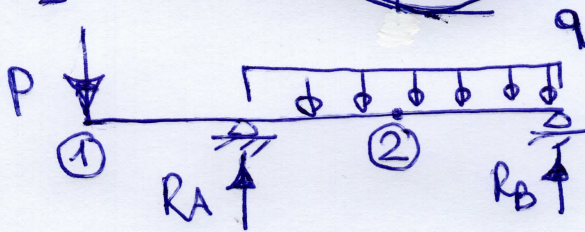
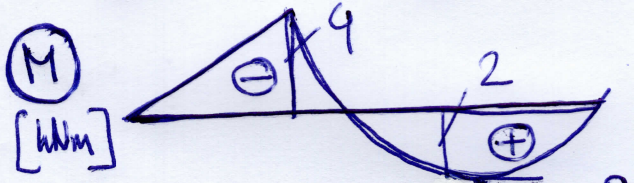
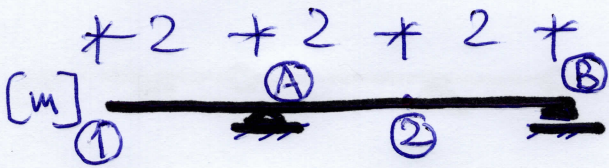
przekaj $\alpha-\alpha$, stonę prawa $\sum M_2^P = Pe - S_5 a\sqrt{2} = 0 \Rightarrow S_5 = \frac{P\sqrt{2}}{2}$

Uwaga - ten zestaw sił
 nie wymaga obliczenia
 reakcji podporowych



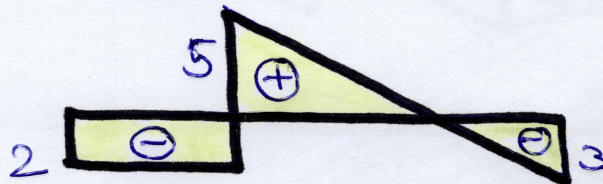
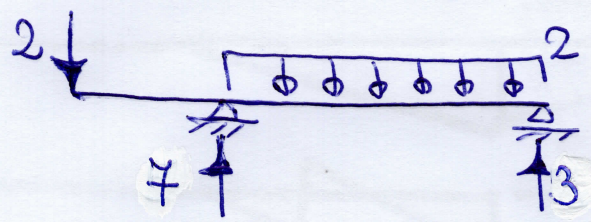
storno
 nel post posizione
 $\rightarrow T \neq 0$





premietyhane
obalzenie i reakcje
podporowe

- 1) $M_A^L = -2P = -4 \Rightarrow P = 2 \text{ kN}$
 - 2) $M_A^P = 4R_B - 4 \cdot 2q = -4 \Rightarrow R_B - 2q = -1$
 - 3) $M_2^P = 2R_B - 2q \cdot 1 = 2 \Rightarrow R_B - q = 1$
- } $R_B = 3 \text{ kN}$
- 4) $\Sigma M_B = 4R_A - 6P - 2q \cdot 4 = 0 \Rightarrow R_A = 7 \text{ kN}$



\bar{T} [kN]

$\ast 1,5 \ast M_{max} = 2,25 \text{ kNm}$