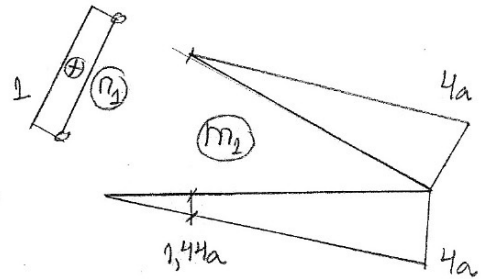
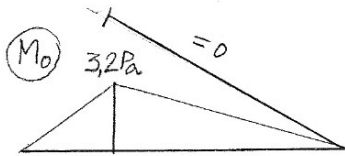
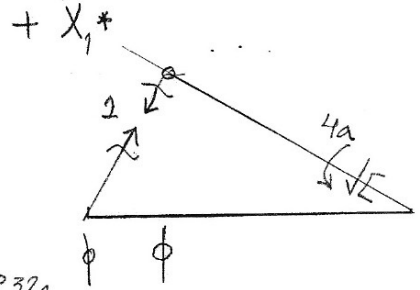
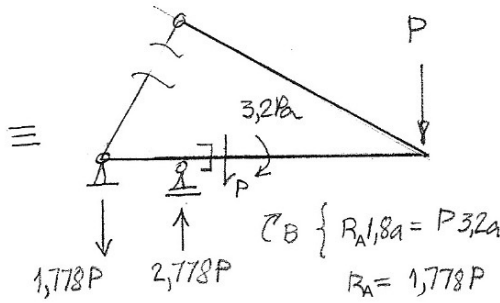
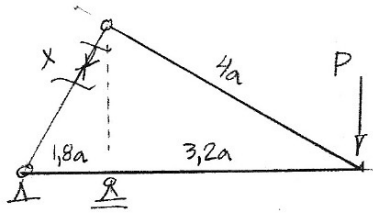


EIF

$GH = 1$



Eq. de Fortuité

$F_{11} X_1 = \hat{\delta} - d_{01}$

$$F_{11} = \sum_{b=1}^{nb} \int_0^{l_b} \left(\frac{m_1 m_2}{EI} + \frac{D_1 D_2}{EA} \right) dx = \frac{4a}{3EI} (4a)^2 + \frac{5a}{3EI} (4a)^2 + \frac{3a}{EA} l^2 = \left(\frac{64+80+36}{3} \right) \frac{a^3}{EI} = \frac{60a^3}{EI}$$

$$d_{01} = \frac{-1.8a}{3EI} (3.2Pa \times 1.44a) - \frac{3.2a}{6EI} [3.2Pa (4a + 2.88a)] = -14,507 \frac{Pa^3}{EI}$$

$$\frac{60a^3}{EI} X_1 = 14,507 \frac{Pa^3}{EI}$$

$X_1 = 0,242P$

