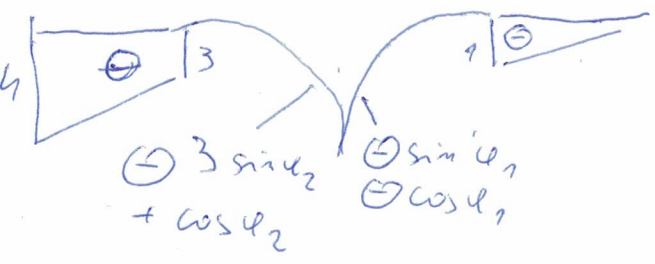
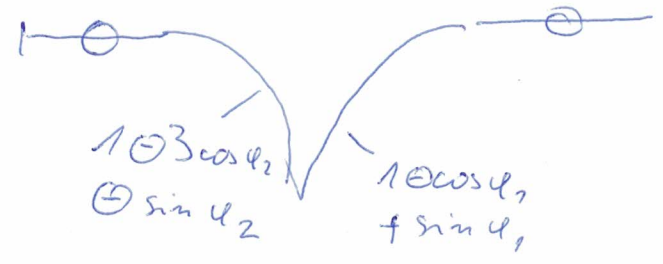


$R_B = 2$
 $EJ_s = EJ$

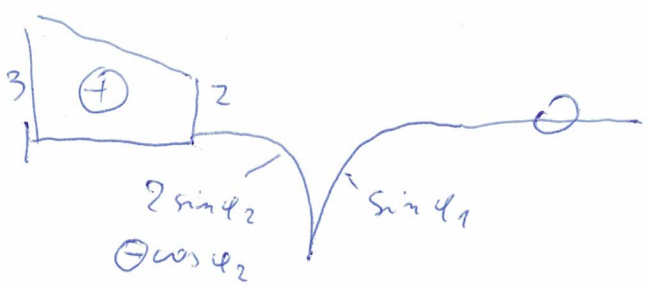
$M_0 [PL]$



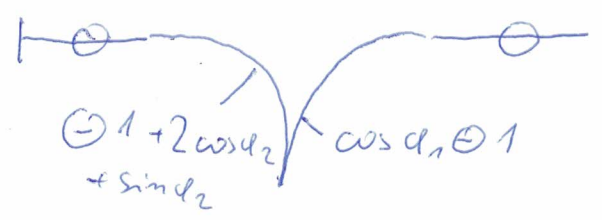
$M_0 [PL]$



$M_1 [PL]$



$M_1 [PL]$



$$\delta_{11} = \frac{12\pi - 5}{3} \frac{l^3}{EJ} \approx 10.9 \frac{l^3}{EJ}$$

$$\delta_{10} = \ominus \frac{5}{6} (1 + 6\pi) \frac{Pl^3}{EJ} \approx \ominus 16.54 \frac{Pl^3}{EJ}$$

$$R_B = X_1 = \ominus \frac{\delta_{10}}{\delta_{11}} = 1.52 P$$