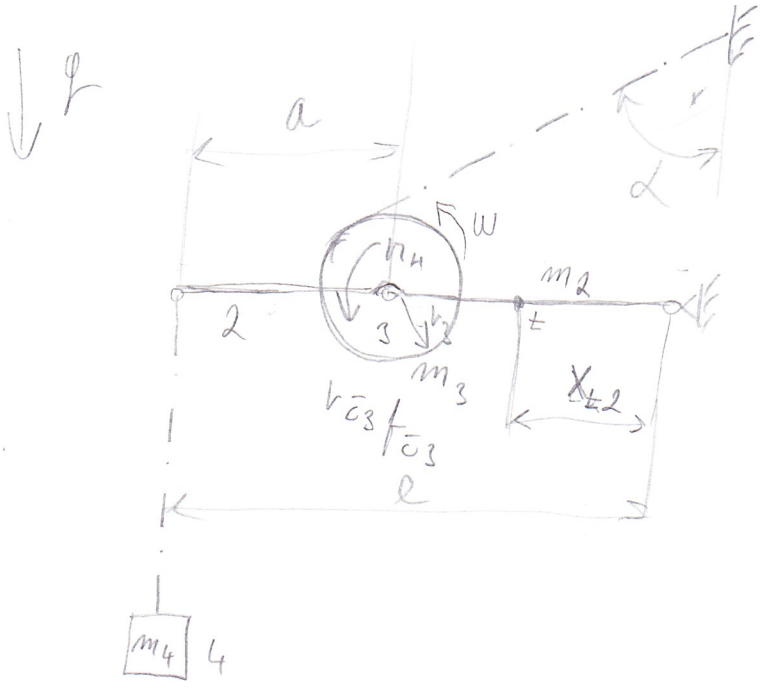
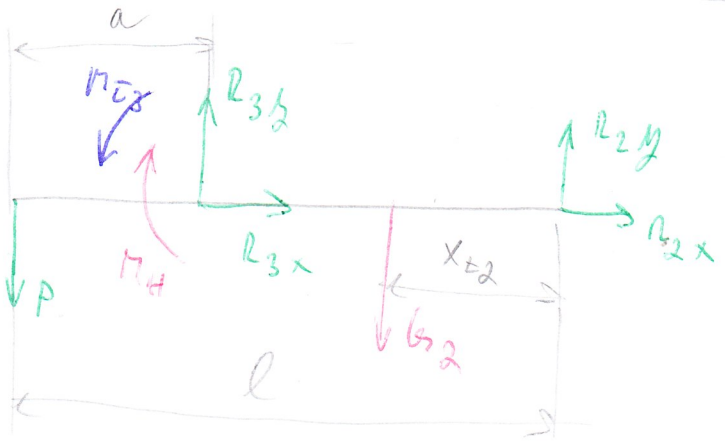


D: m_2, m_3, m_4, x_{t2}, g
$r_3, r_{C3}, f_{C3}, a, l, \alpha$

U: M_4

2)



$$x: \underset{1}{R_{2x}} + \underset{2}{R_{3x}} = 0 \qquad (1)$$

$$y: \underset{3}{R_{3y}} + \underset{4}{R_{2y}} - \underset{5}{G_2} - \underset{6}{P} = 0 \qquad (2)$$

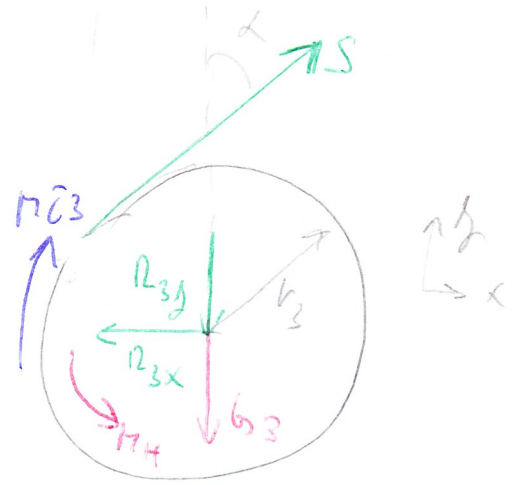
$$\circlearrowleft 2: \underset{7}{M_{C3}} - \underset{8}{M_4} + P \cdot l - R_{3y}(l-a) + G_2 x_{t2} = 0 \qquad (3)$$

$$M_{C3} = r_{C3} f_{C3} R_3 \qquad (4)$$

$$\underset{9}{R_3} = \sqrt{R_{3x}^2 + R_{3y}^2} \qquad (5)$$

$$G_2 = m_2 g \qquad (6)$$

3)



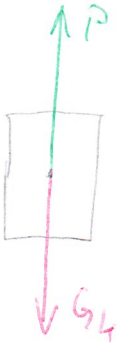
$$x: R_{3x} - S \sin\alpha = 0 \qquad (7)$$

$$y: S \cos\alpha - G_3 - R_{3y} = 0 \qquad (8)$$

$$(3): M_4 - M_{C_3} - S r_3 = 0 \qquad (9)$$

$$G_3 = m_3 g \qquad (10)$$

4)



$$P = G_4 \qquad (11)$$

$$G_4 = m_4 g \qquad (12)$$

12/12 ✓