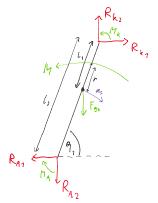
## Shank:



$$\chi : R_{k_1} - R_{A_1} = m_5 \cdot \alpha_{5_1}$$

$$R_{k_1} = m_5 \cdot \alpha_{5_1} + R_{A_1} = 43.2N$$

9: 
$$R_{k2} - R_{A2} - F_{gs} = m_s \cdot \theta_{s2}$$
  
 $R_{k2} = m_s \cdot a_{s2} + R_{A2} + m_s \cdot \theta = -588.39N$ 

$$m = 80 \text{kg}$$
  $V = 0,305 \text{l}_2$   
 $m_s = 0,0485 \text{ m}$   $l_z = 0,41 \text{ m}$   
 $95,5 - 3,89 \text{ m}_{5^2}$   $0,475 \text{ l}_{1} = 0,735 \text{l}_{2}$   
 $95,2 = 0,475 \text{ l}_{1} = 0,735 \text{l}_{2}$   
 $91 = 86,5 \text{ m}$   
 $91 = 86,5 \text{ m}$   
 $91 = 86,5 \text{ m}$   
 $91 = 86,5 \text{ m}$ 

$$M: I_{S} = M_{S} r^{2}$$

$$M: I_{S} = M_{S} r^{2}$$

$$M: I_{S} = M_{S} r^{2} d_{1} = 0,478 \text{ Nm}$$

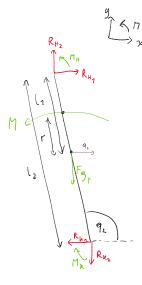
$$M_{1} = R_{A_{2}} (l_{2} - l_{1}) \cos q_{1} - R_{A_{1}} (l_{2} - l_{1}) \sin q_{1} = -22,36 \text{ Nm}$$

$$\Pi_{2} = R_{K_{2}} l_{1} \cos q_{1} - R_{K_{1}} l_{1} \sin q_{1} = -14,1 \text{ Nm}$$

$$\Pi = \Pi_{K} - \Pi_{q} + \Pi_{1} + \Pi_{2}$$

$$M_{K} = M + M_{A} - M_{1} - \Pi_{2} = 30,34 \text{ Nm}$$

## Thigh:



$$\chi : R_{H1} - R_{K1} = m_1 \cdot n_1,$$

$$R_{H1} = m_1 \cdot a_{11} + R_{K1} = 3,55N$$

9: 
$$R_{H_2} - R_{K_2} - F_{g_t} = m_t g_{g_2}$$
  
 $R_{H_2} - m_t a_{f_2} + R_{k_2} + m_t g = -503,97N$ 

$$\Pi : I_{+} = m_{+} r^{2}$$

$$\Pi : I_{+} : d_{2} = m_{+} r^{2} d_{2} = -0.57 Nm$$

$$M_{n} = + R_{K_{2}}(l_{2} - l_{1}) \cos q_{2} - R_{k_{1}}(l_{2} - l_{1}) \sin q_{2} = 73,81 Nm$$

$$\Pi_{2} = + R_{H_{2}}l_{1} \cos q_{2} - R_{H_{1}}l_{1} \sin q_{2} = 73,96 Nm$$

$$\Pi = \Pi_{H} - M_{K} + M_{1} + M_{2}$$

$$M_{H} = M + M_{K} - M_{1} - M_{2} = 2 Nm$$