Forward Kinematics

Invers Kinematics

$$Q_2 = 6s^{-1} \left(\frac{4.31^2 + 6.43^2 - 5^2 - 3^2}{5.3} \right)$$

$$= 6s^{-1} \left(0.86403... \right)$$

$$Q_2 = 29.96^2 \approx 30^2$$

$$\Theta_1 = \tan^3\left(\frac{6.43}{4.31}\right) - \tan^3\left(\frac{3 \cdot \frac{1}{2}}{5 + 3 \cdot \frac{1}{2}}\right)$$

$$= \tan^3\left(\frac{1.4918}{1.4918}\right) - \tan^3\left(\frac{3 \cdot \frac{1}{2}}{5 + 3 \cdot \frac{1}{2}}\right)$$

$$\Theta_1 = 450$$