



→ Apply cosine rule for all angles

$$\theta_6 = \cos^{-1} \left(\frac{l_2^2 + l_6^2 - l_3^2}{2 l_2 l_6} \right)$$

$$\theta_7 = \cos^{-1} \left(\frac{l_6^2 + l_3^2 - l_2^2}{2 l_3 l_6} \right)$$

$$\theta_8 = \cos^{-1} \left(\frac{l_2^2 + l_3^2 - l_6^2}{2 l_2 l_3} \right)$$

$$\theta_B = \theta_8 - \pi/2$$

$$\theta_A = \pi - \theta_4 + \theta_7$$

$$\theta_C = \theta_6 + \theta_3 - \theta_5 - \pi/2$$

