$$\frac{1}{2}$$
 Dolução lotorelo direito:  $(\theta_3 \rightarrow \theta_1 \rightarrow \theta_2)$ 

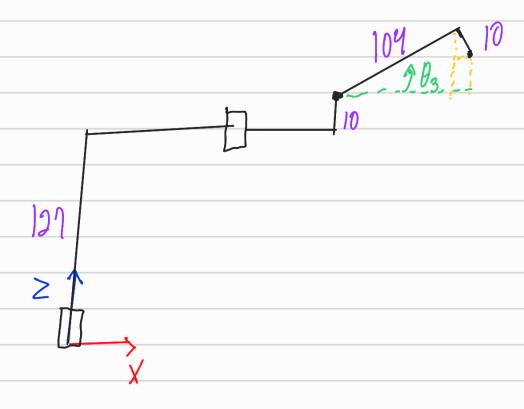
$$\rightarrow \infty = \text{atan2}(X, Y)$$

$$\rightarrow h = \sqrt{30^3 + (16 + 104 C_3 - 10S_3)^2}$$

$$\beta = \text{atan,} 2 \left( C_{\beta}, \sqrt{1 - C_{\beta}^2} \right)$$

$$\Rightarrow \theta_1' = Q + B$$

$$-5 \theta_2 = |80 - 8 - 8|$$



$$-> Q = \sqrt{104^2 + 10^2} = 104,48$$

$$\frac{32-127-10}{Q} = Den(8)$$

\* Idenas Cotovelo Esquerdo:

$$-) lor(B) = 19^{2} + 1^{2} - h^{2}$$

$$2.19.1$$

$$\rightarrow loz(x) = \frac{79^2 + h^2 - \Lambda^2}{2 \cdot 19 \cdot h} \rightarrow$$

$$\theta_3'' = \theta_3'$$