Nothen talyour

$$A_{1} = \begin{cases} cos 0, -sin \theta_{1} & 0 & 0 \\ sin \theta_{1} & cos \theta_{1} & 0 & 0 \\ 0 & 0 & 1 & d_{1} \\ 0 & 0 & 0 & 1 \end{cases}$$

$$A_{3} = \begin{cases} 1 & 0 & 0 & 0 \\ 0 & 1 & 0 & 0 \\ 0 & 0 & 1 & d_{3} \\ 0 & 0 & 0 & 1 \end{cases}$$

$$T_3=A_1A_2A_3=\begin{cases} \cos\theta_1 & 0 & -\sin\theta_1 & -\sin\theta_1d_3\\ \sin\theta_1 & 0 & -\cos\theta_1 & \cos\theta_1d_3\\ 0 & -1 & 0 & d_1+d_2\\ 0 & 0 & 0 & 1 & -\cos\theta_1 & \cos\theta_1 & \cos\theta_1d_3 \end{cases}$$

Jacobion Matrix =
$$\begin{bmatrix} R_0 & 0 \\ 0 \\ 1 \end{bmatrix} \times \begin{bmatrix} d_3 & 8 \\ d_3 & 6 \\ d_1 + d_2 \end{bmatrix}$$

$$\begin{bmatrix} R_1 & 0 \\ 0 \\ 1 \end{bmatrix}$$

$$\begin{bmatrix} R_0 & 0 \\ 0 \\ 1 \end{bmatrix}$$

$$J.M = \begin{bmatrix} -d_3(880) & 0 & -3800 \\ -d_3880 & 0 & -3800 \\ -d_3880 & 0 & 0 \\ 0 & 0 & 0 \\ 0 & 0 & 0 \\ 1 & 0 & 0 \end{bmatrix}$$