$$M = T_{0,1}T_{12}T_{23}T_{34}T_{45}T_{56}$$
or inspection 
$$R_{5b} = \begin{bmatrix} 1 & 0 & 0 \\ 0 & 1 & 0 \\ 0 & 0 & 1 \end{bmatrix}$$

$$\Rightarrow M = \begin{bmatrix} R & P \\ 0 & 1 \end{bmatrix} P = \begin{bmatrix} 2+53 \\ 0 \\ 1+53 \end{bmatrix} = \begin{bmatrix} 3.737 \\ 0 \\ 2.73 \end{bmatrix}$$

2) Screw axes 
$$S_i$$
 in really space screw is when sos mons with the pivot  $S_i = \begin{bmatrix} 0 \\ V_i \end{bmatrix} = \begin{bmatrix} 0 \\ 0 \\ -L \\ 0 \end{bmatrix}$ 

$$S_{3} = \begin{bmatrix} 0 \\ 1 \\ 0 \\ 1 \\ 0 \\ 1 \end{bmatrix}$$

$$S_{4} = \begin{bmatrix} 0 \\ 1 \\ 0 \\ + 1 - 531 \\ 0 \\ 0 \\ 21 + 531 \end{bmatrix}$$

$$S_{5} = \begin{bmatrix} 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \end{bmatrix}$$