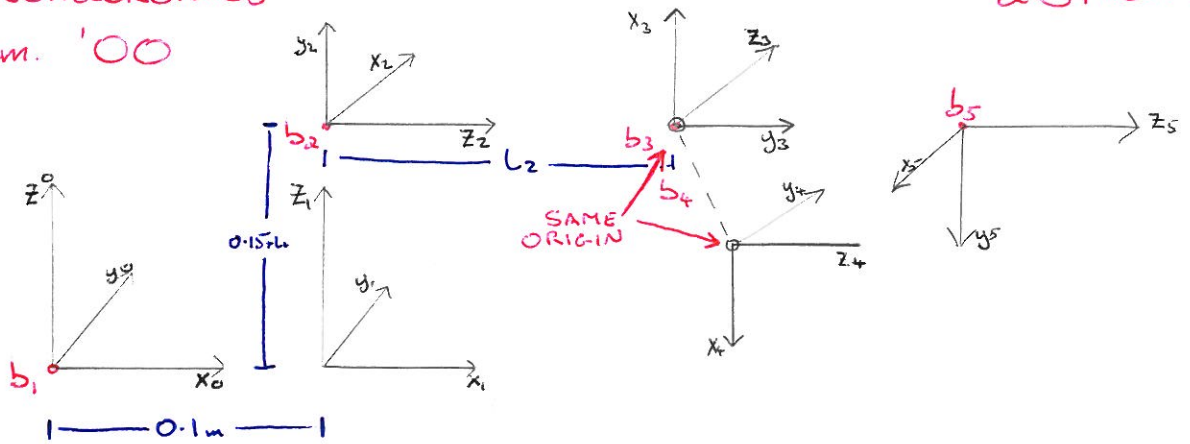


c)



b)

	$\Theta$	$a$	$d$	$\alpha$	Home
1	$\Theta$	$0.1m$	$0m$	$0^\circ$	$0^\circ$
2	$90^\circ$	$0m$	$0.15+L$	$90^\circ$	
3	$+90^\circ$	$0m$	$L_2$	$90^\circ$	

c)  $T_{BASE}^{URIST} = T_0^1 T_1^2 T_2^3$

$$= \begin{bmatrix} C_1 & -S_1 & 0 & 0.1C_1 \\ S_1 & C_1 & 0 & 0.1S_1 \\ 0 & 0 & 1 & 0 \\ 0 & 0 & 0 & 1 \end{bmatrix} \begin{bmatrix} 0 & 0 & 1 & 0 \\ 1 & 0 & 0 & 0 \\ 0 & 1 & 0 & 0.15+L \\ 0 & 0 & 0 & 1 \end{bmatrix} \times \begin{bmatrix} 0 & 0 & 1 & 0 \\ 1 & 0 & 0 & 0 \\ 0 & 1 & 0 & L_2 \\ 0 & 0 & 0 & 1 \end{bmatrix}$$

d)  $T_1^2$  Origin  $L_2$  @  $[0, 0, 0.15+L]$

$x_2$  in  $y_1$  direction

$y_2$  in  $z_1$  direction

$z_2$  in  $x_1$  direction

Corresponds to Diagram