Tabla de parametros.

Link	ai	lai	l di	Lei
20	0	0	0	0.
1	Li	0	4	02
2	La	900	0	93

Joint 1 2	No Type revolut revolute	e   L.	Soin augh O1 O2 O3	0 1. 2z	tec
Joint	Twist any	(34) 650	Value d	Para an	hei in
1	6	<b>&gt;</b>		_	
2	೨	0	1	<u>,</u>	
3	900	0			

$$A_{0} = \begin{bmatrix} \zeta(\Theta_{1}) - \zeta(0)S(\Theta_{1}) & S(0)S(\Theta_{1}) & O(\Theta_{1}) \\ S(\Theta_{1}) & C(0)C(\Theta_{1}) - S(0)C(\Theta_{1}) & OS(\Theta_{1}) \\ O & S(0) & Cos(O) & d. \\ O & O & O & I \end{bmatrix}$$

$$A_{0} = \begin{bmatrix} (\Theta_{1}) & -S(\Theta_{1}) & O & O \\ S(\Theta_{1}) & C(\Theta_{1}) & O & O \\ O & O & I & O \\ O & O & O & I \end{bmatrix}$$

$$A_{1} = \begin{bmatrix} ((\Theta_{2}) & -S(\Theta_{2}) & O & L_{1} \cos(\Theta_{2}) \\ S(\Theta_{2}) & ((\Theta_{2}) & O & L_{1} \cos(\Theta_{2}) \\ O & O & I & L_{1} \\ O & O & I & L_{2} \\ O & O & I & L_{3} \\ O & O & I & L_{4} \\ O & O & I & L_{5} \\ O & O & I & L_{1} \\ O & O & I & L_{2} \\ O & O & I & L_{3} \\ O & O & O & I \\ O & O & I & I \\ O & O & O & I \\ O &$$

$$H_{2}^{\circ} = A_{0} * A_{1} * A_{2}$$
 $C_{11} = C(\Theta_{1}) C(\Theta_{2}) - S(\Theta_{1}) S(\Theta_{2})$ 
 $A_{0} * A_{1} = C_{12} = C(\Theta_{1})(-S(\Theta_{2})) - S(\Theta_{1}) C(\Theta_{2})$ 
 $= C_{13} = 0$ 

$$C_{14} = C(\Theta_{1})(L_{1}((\Theta_{2})) - S(\Theta_{1})(L_{1}S(\Theta_{2}))$$

$$(2_{1} = S(\Theta_{1})((\Theta_{2}) + (\Theta_{1})S(\Theta_{2}))$$

$$(2_{2} = -S(\Theta_{2})S(\Theta_{1}) + (\Theta_{1})C(\Theta_{2})$$

$$(2_{3} = O)$$

$$(2_{4} = S(\Theta_{1})(L_{1}COS(\Theta_{2})) + C(\Theta_{1})(L_{1}Sen(\Theta_{2}))$$

$$C_{3_{1}} = O \quad j \quad C_{3_{2}} = O \quad j \quad C_{3_{3}} = 1jC_{34} = L_{1}$$

$$C_{4_{1}} = O \quad j \quad C_{4_{2}} = O \quad j \quad C_{4_{3}} = O \quad j \quad C_{4_{4}} = 1$$

$$A_{0} \cdot A_{1} = \begin{cases} C(\Theta_{1})C(\Theta_{2}) - S(\Theta_{1})S(\Theta_{2}) & -S(\Theta_{2})C(\Theta_{1}) - S(\Theta_{1})\\ S(\Theta_{1})C(\Theta_{2}) + C(\Theta_{1})S(\Theta_{2}) & -S(\Theta_{1})C(\Theta_{1}) - S(\Theta_{1})\\ C(\Theta_{2}) & C(\Theta_{2}) \end{cases}$$

$$C_{11} = \begin{cases} C(\Theta_{1})(L_{1}C(\Theta_{2})) + C(\Theta_{1})C(\Theta_{1}) - S(\Theta_{1})(L_{1}S(\Theta_{2}))\\ L_{1} & C(\Theta_{2}) & C(\Theta_{2}) \end{cases}$$

$$C_{12} = \begin{bmatrix} C(\Theta_{2})[C(\Theta_{1})(L_{1}C(\Theta_{2})) - S(\Theta_{1})(L_{1}S(\Theta_{2}))\\ L_{1} & C(\Theta_{2}) & C(\Theta_{2}) \end{bmatrix}$$

$$C_{13} = S(\Theta_{3})$$

$$C_{14} = \begin{bmatrix} C(\Theta_{2})[C(\Theta_{1})(L_{1}C(\Theta_{2})) - S(\Theta_{1})(L_{1}S(\Theta_{2}))\\ L_{1} & C(\Theta_{2}) & C(\Theta_{2}) \end{bmatrix}$$

$$+ \begin{bmatrix} S(\Theta_{2})[C(\Theta_{1})(L_{1}C(\Theta_{2})) - S(\Theta_{1})(L_{1}S(\Theta_{2}))\\ L_{1} & C(\Theta_{2}) & C(\Theta_{2}) \end{bmatrix}$$

5: mpt. f: cacion (1) = (0, (02 (03 - (03 50, 503 ) (02 (0, -50, 502) C14 = C03 Co, L, C02 - C03 So, L, Soz + So3 L, + L2 C03 Co3 L, (Co, Goz - So, Soz) + So3L, +22 Co3 C21 = S03 (S0, C02 + C0, S02) C22 = - S03 (S02 C0, + S0, C02) C23 = - (03) C24 = 2,503 (C0, C02 - 50, 502) - (032, + Cz S03 (3, = So, Coz + Co, Soz (32 = 6, (02 - 502 So) (33 = 0) (34 = L, (So, Coz + Co, Soz) +LZ

(41 = 0; (42 = 0; (43 = 0; (44 = 1;

-(03 CO3 L, ((0, (02 - 50, 502) + 503 L, + L2 (03 1,503 (60,602 - 50,502) - 632, + 62 503 -503 (502 CO, +50, Coz) (63 (62 (6, -50, 502) -(63 (502 (6, +50, 62) Ce, (62 - Sez So, L, (50, (02 + (0) 502) + 62 503 (50, (62+(0,50)) | Sercer + (0,582

C. link, =630 mm ; link 
$$z = 374 mm$$
  
Rotation 45° en cake joint

H<sup>2</sup>
 $0 - \frac{\sqrt{2}}{4} - \frac{\sqrt{2}}{2} \frac{\sqrt{2}}{2} (630 (\frac{\sqrt{2}}{2}))$ 
 $0 - \frac{\sqrt{2}}{4} - \frac{\sqrt{2}}{2} \frac{\sqrt{2}}{2} (630 (\frac{\sqrt{2}}{2}))$ 
 $0 - \frac{\sqrt{2}}{4} - \frac{\sqrt{2}}{2} \frac{\sqrt{2}}{2} (630 (\frac{\sqrt{2}}{2}))$ 
 $0 - \frac{\sqrt{2}}{4} - \frac{\sqrt{2}}{2} \frac{\sqrt{2}}{2} (630 (\frac{\sqrt{2}}{2}))$ 

$$H_{2}^{\circ} \begin{bmatrix} 0 & -0.35 & 0.70 & 315 \\ 0 & -0.35 & -0.70 & 315 \\ 0 & 0 & 0 & 819.48 \\ 0 & 0 & 0 & 1 \end{bmatrix}$$