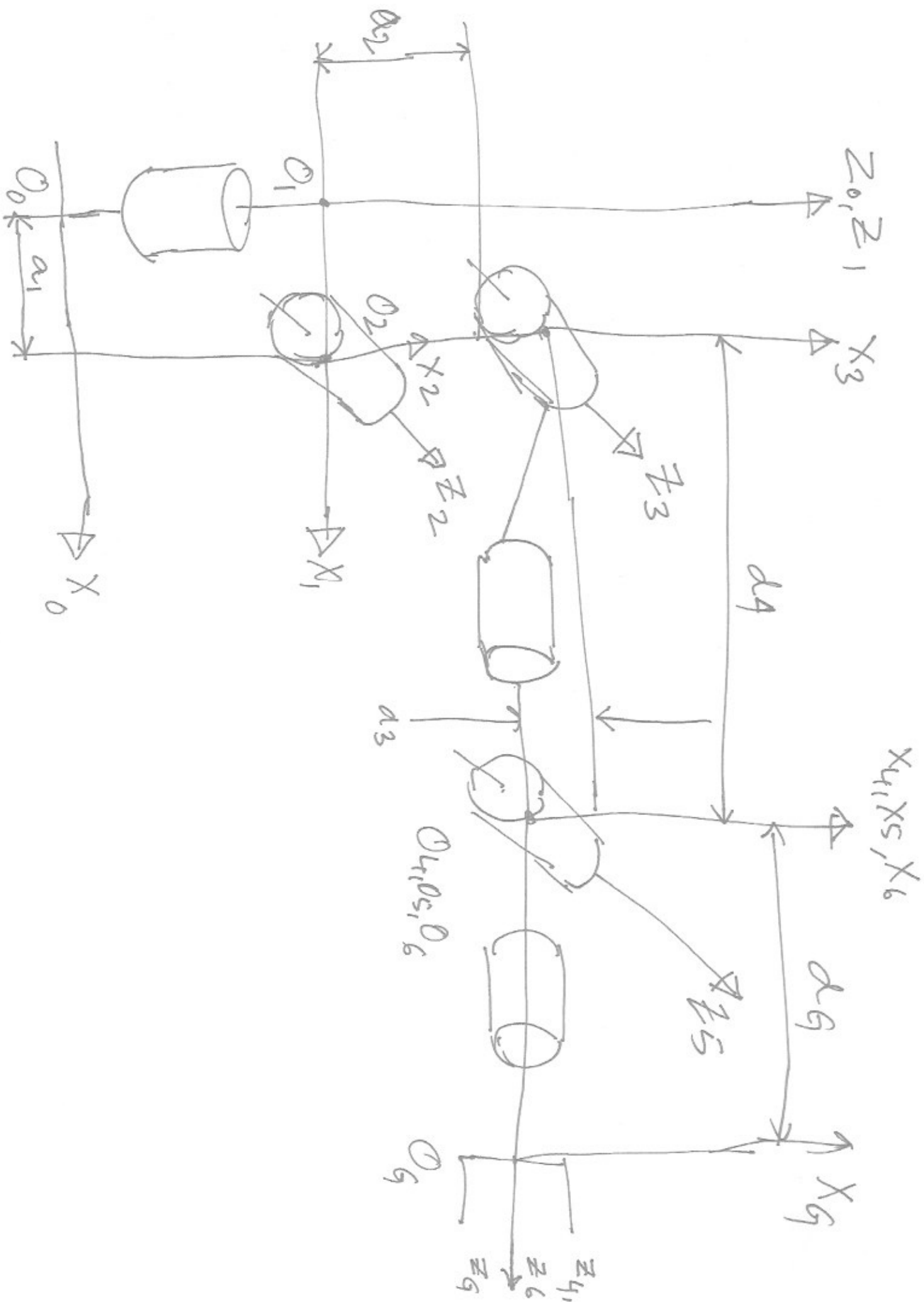
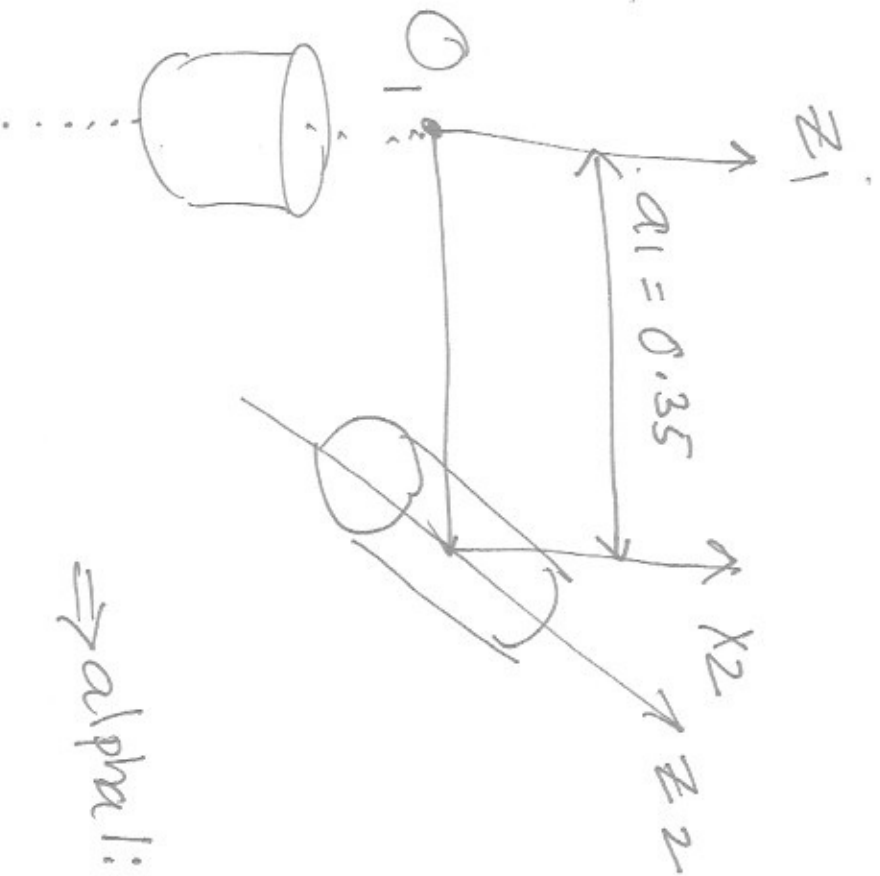
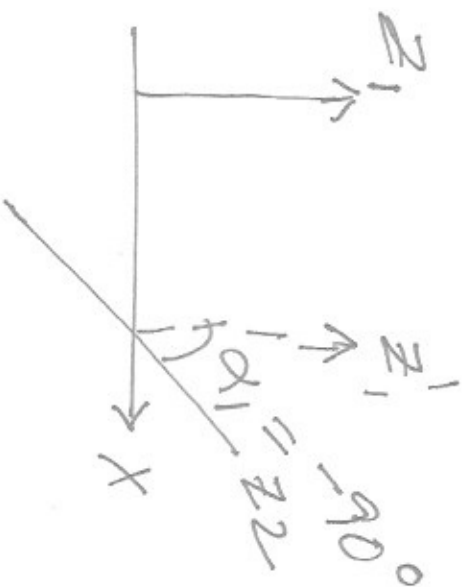


JOINT reference frames and DH parameters  $a$  and  $d$ .



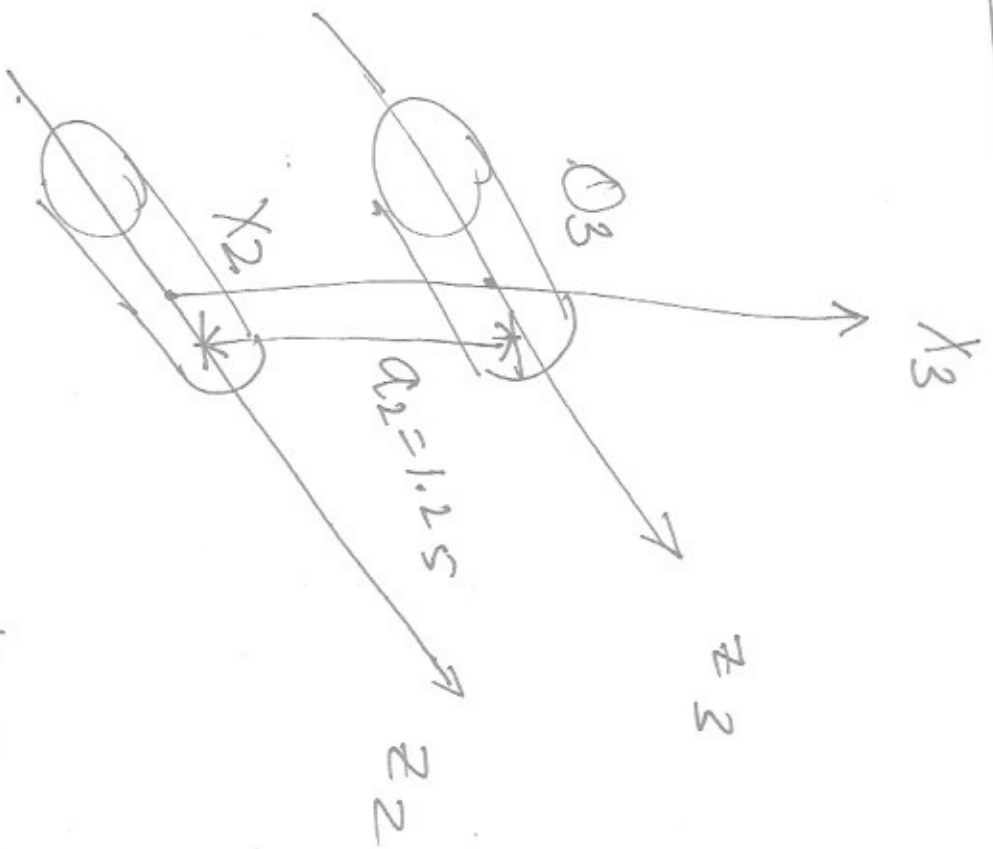


01-02



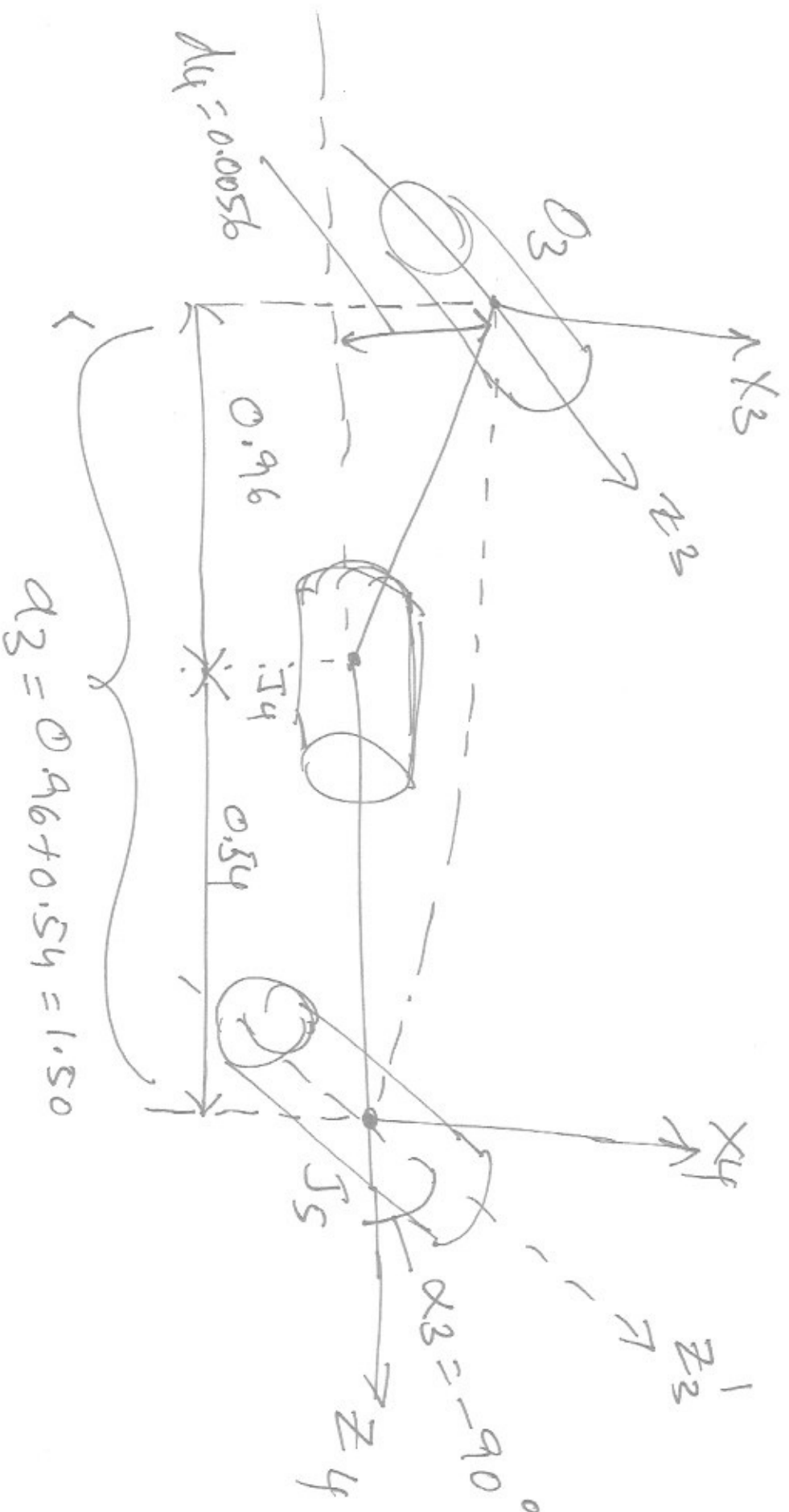
$$\Rightarrow \alpha_1: -\frac{p_1^*}{2}, \alpha_1 = 0.35, d_2 = 0, \alpha_2 = \alpha_2 - \frac{p_1^*}{2}$$

$\theta_2 - \theta_3$



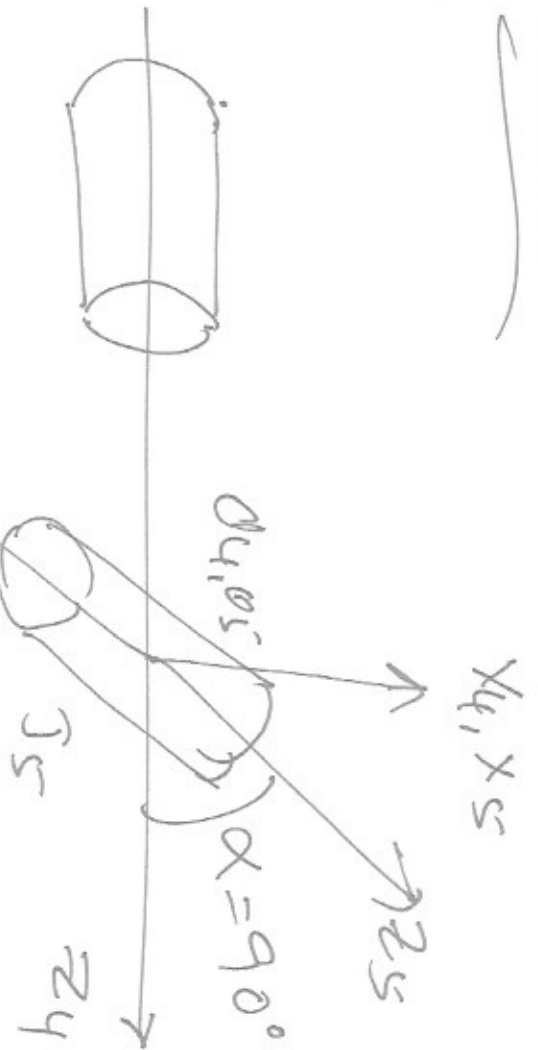
$$\Rightarrow \alpha_2 = 0, a_2 = 1.25, d_3 = 0, q_3 = q_2$$

03-04



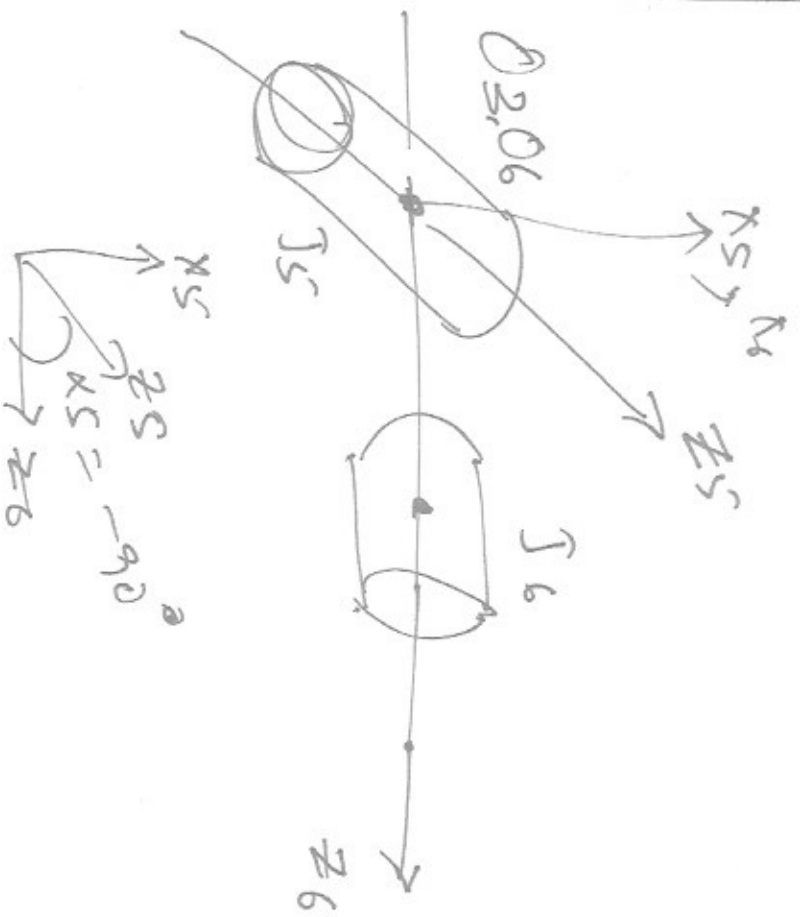
$$\Rightarrow \alpha_3 = \frac{-\pi}{2}, \quad a_3 = 1.50, \quad d_4 = -0.0056, \quad q_4 = q_3$$

$\theta_4 - \theta_5$



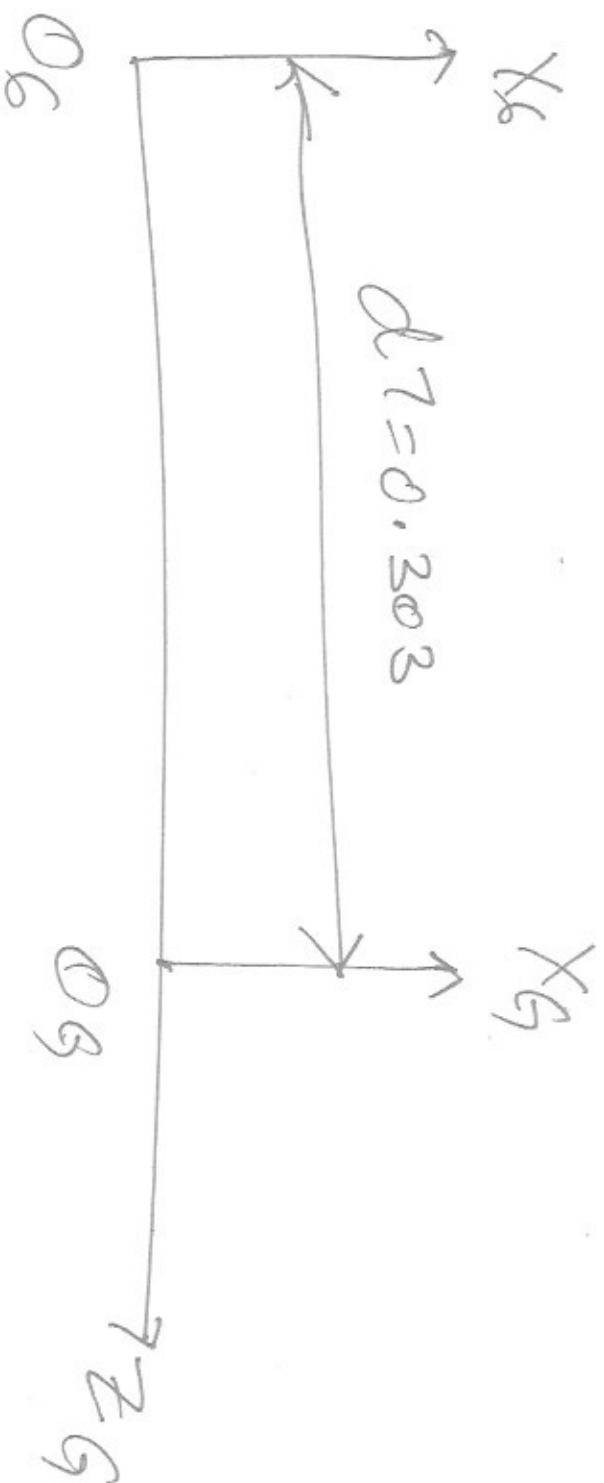
$$\alpha_{p4} = \frac{p_1}{2}, \alpha_4 = 0, \alpha_5 = 0, \alpha_5 = \alpha_5$$

$\theta_5 - \theta_6$



$$\alpha_{p5} = -\frac{p_1}{2}, \alpha_5 = 0, \alpha_6 = 0, \alpha_6 = \alpha_6$$

O6 - O6



$$\Rightarrow a/\text{phab} = 0 ; a_6 = 0 ; d7 = 0.303 \text{ } 197 = 0$$

# DH Table:

DH\_Table =  $\Sigma$

|                  |              |           |                          |
|------------------|--------------|-----------|--------------------------|
| alpha0: 0        | a0: 0        | d1: 0.75  | a1: a1                   |
| alpha1: $-\pi/2$ | a1: 0.35     | d2: 0     | d2: a2 - $\frac{\pi}{2}$ |
| alpha2: 0        | a2: 1.25     | d3: 0     | a3: a3                   |
| alpha3: $-\pi/2$ | a3: -0.0054, | d4: 1.5   | a4: a4                   |
| alpha4: $\pi/2$  | a4: 0        | d5: 0     | a5: a5                   |
| alpha5: $-\pi/2$ | a5: 0        | d6: 0     | a6: a6                   |
| alpha6: 0        | a6: 0        | d7: 0.303 | a7: 0                    |

$\Sigma$