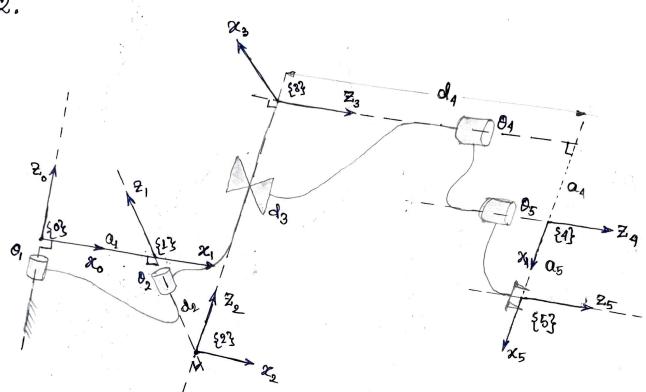


{o} - base frame
{i} → frames attached to the distal:
 joint of that link(i)
i = angle b/ω Zi-1 to Zi about (t) Xi (acω)
distance b/ω Xi-1 to Xi along (t) Zi-2
ai = 1<sup>rd</sup> distance from Zi-1 to Zi along (t) Xi
ai = angle b/ω Xi-1 to Xi about (t) Zi-1 (ccω)

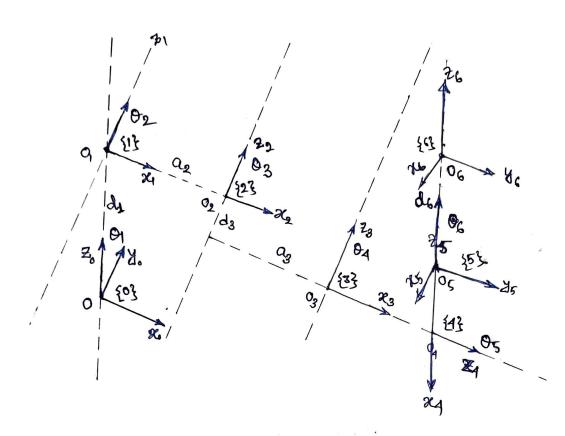
[:	Joint Por	ameter	Link pa	rameter	
7	0i	di	ai	di	
1.	01	0	1	-90°	·;
2.	02	0	1	90°	] (
3,	03	0	1	0	
3)		1.		7	1



9;	di	ai	≪į
$\mathcal{O}_1$	0	a	$\alpha_1$
0,	-do (const.)	0	- 7/2
- 7/2	dz	0	-7/2
04	(Gnzt.)	a <sub>4</sub>	0
95	0	a2	0

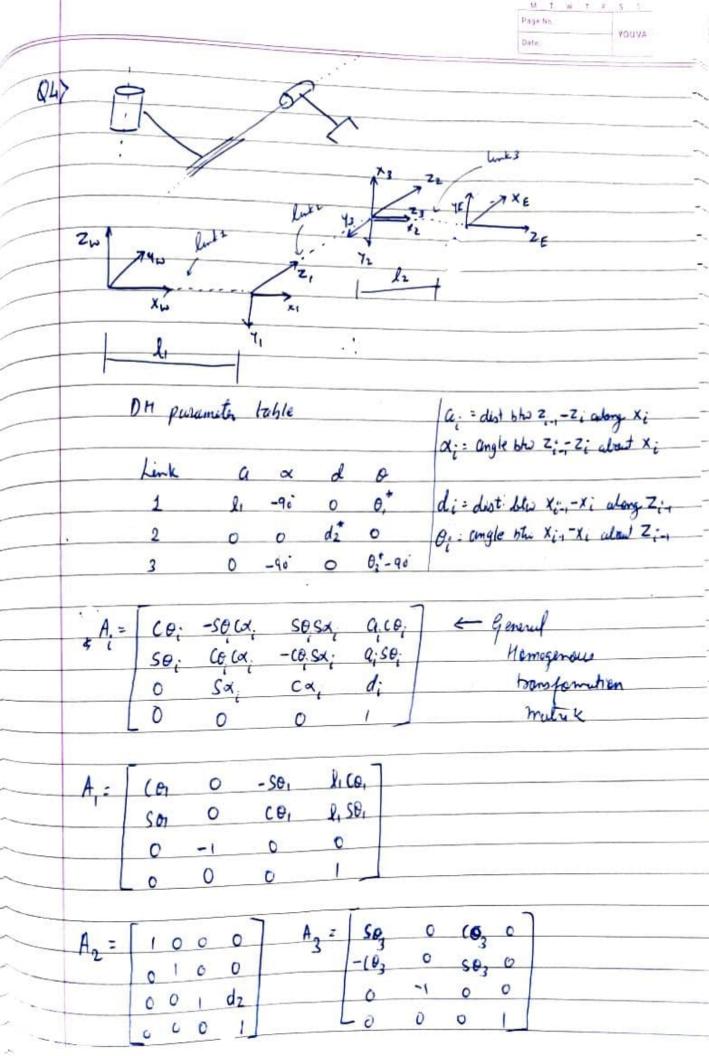
\* Always try to keep minimum non-zero parameters and frames need to be attached accordingly.

## 3. PUMA manipulator:



Ĭ	Oi	di		<b>વ</b> ર્વ	≪ર્વ
(",T,)	0,	13		0	- 7/2
(' <sub>2</sub> T)	02	0	1	8	0
(2T)	03	-4		8	0
(3 T)	84	0		0	7/2
(4T)	95	0		0	7/2
(5T)	06	1	-	0	0
		1			

03=04=05 (same point) so, link length & joint distorness will be zero.



From the sketch we see an add honed D-H par frame is added to include given end-effector frame Hence 3 T = 0 1 0 0 = 10000 = 0001 = 0001WT = "T" = | -SOT (0,50) (0,0) l, co, - d, so, + l2 (0, 10, con sor son cosson dia+150,+ 12(8,050, 0 (03 -503 -12503

