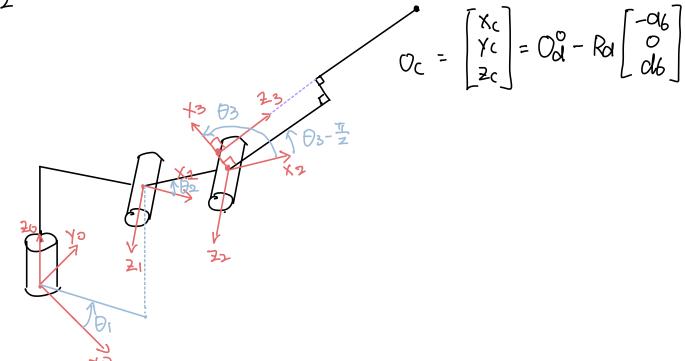


DH Table 1	Link 1 2 3 4 5 6	ai	di	di	θ_i	in	mm
	1	25	$\pi/2$	400	D1		
	2	315	Ð	O	Ð2		
	3	35	$\pi/2$	0	Θз		
	4	0	-T/2	362	θ4		
	5	0	11/2	D	Ð5		
	6	-296.23	30	161,44	₽б		



Find D1:

Top view:

$$\frac{\alpha_1}{\gamma_0} \times \alpha_2$$

$$\frac{\alpha_2}{\gamma_0} \times \alpha_2$$

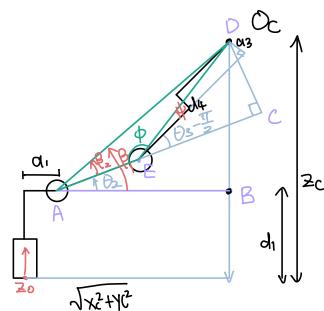
$$\frac{\alpha_2}{\gamma_0} \times \alpha_2$$

$$\frac{\alpha_1}{\gamma_0} \times \alpha_2$$

$$\frac{\alpha_2}{\gamma_0} \times \alpha_2$$

$$\frac{\alpha_2}{\gamma_0} \times \alpha_2$$

Find Oz, O3



$$\begin{split} \overline{AD}^2 &= \overline{AE}^2 + \overline{DE}^2 - 2 \overrightarrow{AE} \, \overline{DE} \, \cos \varphi \\ (\sqrt{\chi_c^2 + \chi_c^2} - \Omega_c)^2 + (\overline{\chi_c} - d_c)^2 = \Omega_c^2 + \Omega_s^2 + d_c^2 - 2 \, \Omega_s \Delta_s^2 + d_c^2 - 2 \, Os \varphi \\ \overline{(\sqrt{\chi_c^2 + \chi_c^2} - \Omega_c)^2 + (\overline{\chi_c} - \Omega_c)^2 + (\overline{\chi_c} - d_c)^2}} \\ \overline{(\cos \varphi)} &= \frac{\alpha_s^2 + \alpha_s^2 + d_c^2 - (\sqrt{\chi_c^2 + \chi_c^2} - \Omega_c)^2 + (\overline{\chi_c} - d_c)^2}}{2 \cdot \Omega_s \Omega_s^2 + d_c^2} \\ \varphi &= \alpha \tan 2 \left(-\Omega_s \cdot d_c \cdot d_c \cdot d_c \right) \\ \psi &= \alpha \tan 2 \left(-\Omega_s \cdot d_c \cdot d_c \cdot d_c \right) \\ \psi &= \alpha \tan 2 \left(-\Omega_s \cdot d_c \cdot d_c \cdot d_c \right) \\ \overline{(D_s - \frac{\pi}{2} + 0_c - \varphi)} &= \frac{3}{2} \overline{n} - \alpha \tan 2 \left(\sqrt{1 - \cos \varphi^2} \cdot \cos \varphi^2 \right) - \alpha \tan 2 \left(\Omega_s \cdot d_c \cdot d_c \right) \\ \overline{(D_s - \frac{\pi}{2} + 0_c - \varphi)} &= \overline{DE} \sin (\theta_s - \frac{\pi}{2} + \psi) \\ \overline{(D_s - \frac{\pi}{2} + 0_c - \varphi)} &= \sqrt{\alpha_s^2 + 0_c^2} \cos (\theta_s - \frac{\pi}{2} + \psi) \\ \overline{(D_s - \frac{\pi}{2} + 0_c - \varphi)} &= \sqrt{\alpha_s^2 + 0_c^2} \cos (\theta_s - \frac{\pi}{2} + \psi) \\ \overline{(D_s - \frac{\pi}{2} + 0_c - \varphi)} &= \alpha \tan 2 \left(\overline{(D_s - \frac{\pi}{2} + \psi)} \cdot \alpha_s + \sqrt{\alpha_s^2 + 0_c^2} \cos (\theta_s - \frac{\pi}{2} + \psi) \right) \\ \overline{(D_s - \frac{\pi}{2} + 0_c - \varphi)} &= \alpha \tan 2 \left(\overline{(D_s - \frac{\pi}{2} + \psi)} \cdot \alpha_s + \sqrt{\alpha_s^2 + 0_c^2} \cos (\theta_s - \frac{\pi}{2} + \psi) \right) \\ \overline{(D_s - \frac{\pi}{2} + 0_c - \varphi)} &= \alpha \tan 2 \left(\overline{(A_s - \frac{\pi}{2} + 0_c - \varphi)} \cdot (\theta_s - \frac{\pi}{2} + \psi) \right) \\ \overline{(D_s - \frac{\pi}{2} + 0_c - \varphi)} &= \alpha \tan 2 \left(\overline{(A_s - \frac{\pi}{2} + 0_c - \varphi)} \cdot (\theta_s - \frac{\pi}{2} + \psi) \right) \\ \overline{(D_s - \frac{\pi}{2} + 0_c - \varphi)} &= \alpha \tan 2 \left(\overline{(A_s - \frac{\pi}{2} + 0_c - \varphi)} \cdot (\theta_s - \frac{\pi}{2} + \psi) \right) \\ \overline{(D_s - \frac{\pi}{2} + 0_c - \varphi)} &= \alpha \tan 2 \left(\overline{(A_s - \frac{\pi}{2} + 0_c - \varphi)} \cdot (\theta_s - \frac{\pi}{2} + \psi) \right) \\ \overline{(D_s - \frac{\pi}{2} + 0_c - \varphi)} &= \alpha \tan 2 \left(\overline{(A_s - \frac{\pi}{2} + 0_c - \varphi)} \cdot (\theta_s - \frac{\pi}{2} + \varphi) \right) \\ \overline{(D_s - \frac{\pi}{2} + 0_c - \varphi)} &= \alpha \tan 2 \left(\overline{(A_s - \frac{\pi}{2} + 0_c - \varphi)} \cdot (\theta_s - \frac{\pi}{2} + \varphi) \right) \\ \overline{(D_s - \frac{\pi}{2} + 0_c - \varphi)} &= \alpha \tan 2 \left(\overline{(A_s - \frac{\pi}{2} + 0_c - \varphi)} \cdot (\theta_s - \frac{\pi}{2} + \varphi) \right) \\ \overline{(D_s - \frac{\pi}{2} + 0_c - \varphi)} &= \alpha \tan 2 \left(\overline{(A_s - \frac{\pi}{2} + 0_c - \varphi)} \cdot (\theta_s - \frac{\pi}{2} + \varphi) \right) \\ \overline{(D_s - \frac{\pi}{2} + 0_c - \varphi)} &= \alpha \tan 2 \left(\overline{(A_s - \frac{\pi}{2} + 0_c - \varphi)} \cdot (\theta_s - \frac{\pi}{2} + \varphi) \right) \\ \overline{(D_s - \frac{\pi}{2} + 0_c - \varphi)} &= \alpha \tan 2 \left(\overline{(A_s - \frac{\pi}{2} + 0_c - \varphi)} \cdot (\theta_s - \frac{\pi}{2} + \varphi) \right) \\ \overline{(D_s - \frac{\pi}{2} + 0_c - \varphi)} &= \alpha \tan 2 \left(\overline{(A_s -$$