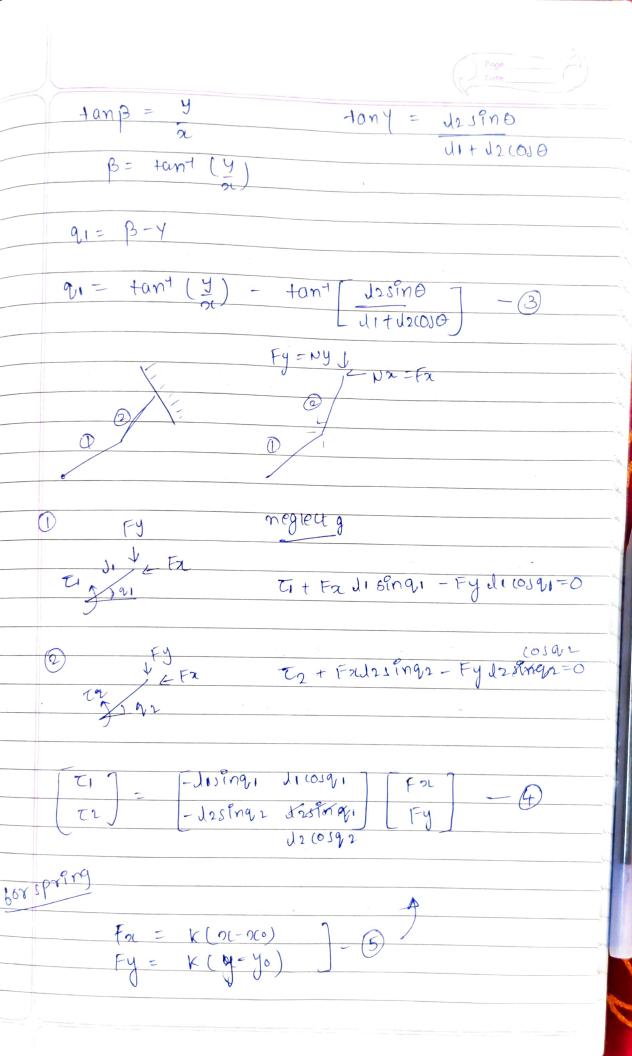
ITR Miniproj 19110179 [Lasko] malatre cenderpoctor)

malatre

original ar tasko let Eca,y) and obe (0,0) 2= 11 cosq1+ 12 cosq2 y= 11 sinq1+ 12 sinq2 bor velocity of end effector, 9i = - digissing i - daga singa g = digi cosqi t daga cosqa $\begin{bmatrix} 21 \\ -115inq1 \\ -225inq2 \end{bmatrix}$ $= \begin{bmatrix} -115inq1 \\ -125inq2 \end{bmatrix}$ **J**.___ Point space 219 9,2 = 9,1 B 1,2+12 - (x2+y2) cos (T-0) = 21112 + cos = x2+y2-112-122 21112 $\Theta = q_2 - q_1 = cos^{-1} \int_{0.1 \cdot 10}^{0.2 + y^2 - d_1^2} - d_2^2$





L= K-V. gi = d dl - dl
dit die dgi $K = \frac{1}{2} \left(\frac{1}{3} m_1 d_1^2 \right) q_1^2 + \frac{1}{2} \left(\frac{1}{12} m_2 d_2^2 \right) q_2^2$ + 1 m2 NC2 V(2 = 1,9,2 + 12 9,2 + 2d1 9,1 d2 9,2 (0) (92-91) V = migdi singi + mag (disingi + da singa) $T_1 = \frac{d}{dt} \frac{dl}{di} - \frac{dl}{da_1}$ = 1 m/12qi + m2/12qj + m2/1/2 q2 (05(92-91) - midide gir (gir -gir) spr (gr-gir) + migdir cos gi + mzg 11 cos q, 72 = d dl - dl at dais das $=\frac{1}{3}m_{1}\sqrt{2}\frac{2}{92}+\frac{1}{2}m_{1}\sqrt{2}\frac{2}{92}+\frac{1}{2}m_{2}\sqrt{2}\frac{1}{2}$ - m21,12 ai sin (92-91) + m29 12 sin 92