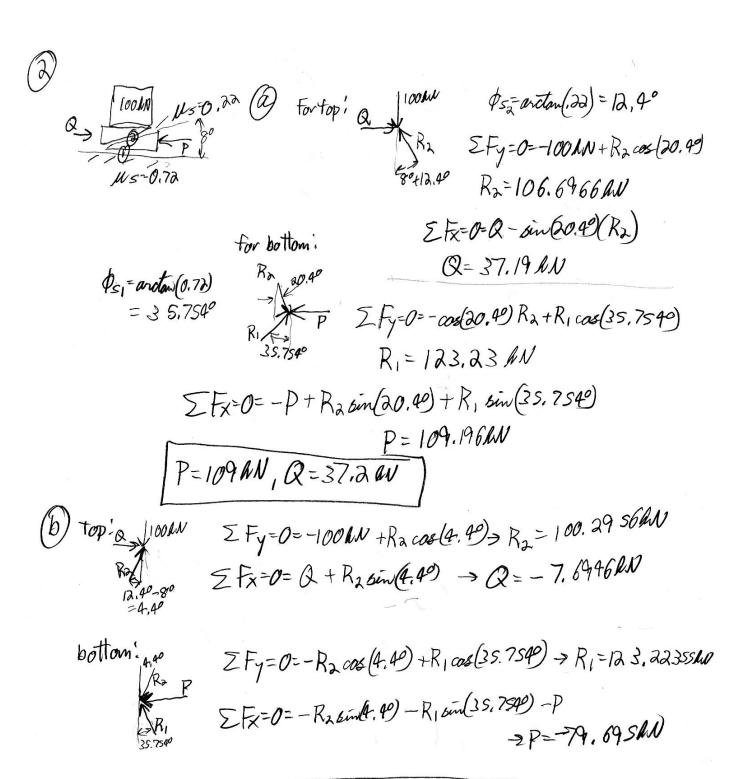


For wedge:  $2F_y=0=R_1(\cos 17.745^\circ)-R_A\cos(3.745^\circ)$   $\Rightarrow R_1=239.90956LN$   $2f_X=0=P+R_A\sin 3.745^\circ-R_1\sin(7.745^\circ)$ P=58.1636LN (P=58.2LN)

(b) for Arm:  $\Sigma F_{x}=0=F_{cx}-R_{Asin}(3.745^{\circ})$   $F_{cx}=14.956RN$   $\Sigma F_{y}=0=R_{Acos}(3.745^{\circ})-400RN+F_{cy}-100N$   $F_{cy}=171.605RN$ 

Fcx=15.0M Fcy=172 MV



P=-79.71N, Q=-7.701N

