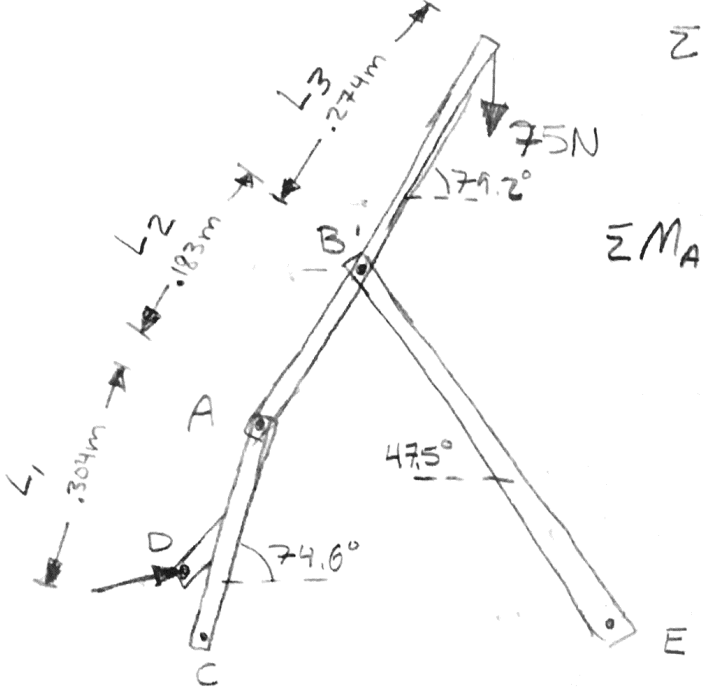
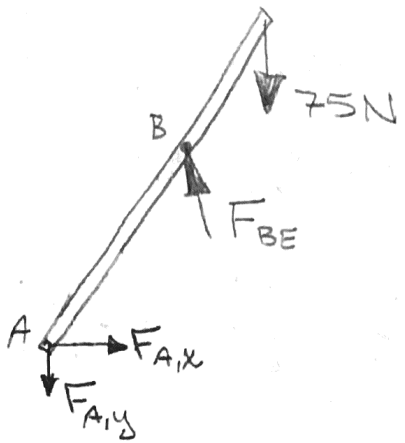
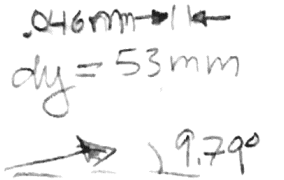


$$\Sigma M_A = -75\cos(79.2°)(.274+.183) + F_{BE}\sin 47.5°\,(.183\cos 79.2°) + F_{BE}\cos 47.5°\,(.183\sin 79.2°) = 0$$

$$\Sigma M_A = -6.422 + 0.0253F_{BE} + 0.1214F_{BE} = 0$$

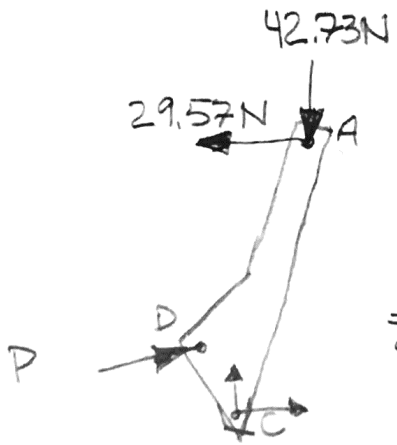
$$\Rightarrow F_{BE} = 43.77\text{N}$$





$$\Sigma F_y = -75 + 43.77\sin 47.5° - F_{A,y} = 0 \Rightarrow F_{A,y} = -42.73\text{N}$$

$$\Sigma F_x = F_{A,x} - 43.77\cos 47.5° = 0 \Rightarrow F_{A,x} = 29.57\text{N}$$



$$\Sigma M_C = 29.57(.304\sin 74.6°) - 42.73(.304\cos 74.6°) - P\cos 9.97°\,(.053) - P\sin 9.97°\,(.046) = 0$$

$$\Sigma M_C = 8.67 - 3.45 - 0.0522P - 0.00796P = 0$$

$$= 5.217 - 0.0602P = 0$$

$$P = 86.7\text{N} \approx \boxed{2016}$$