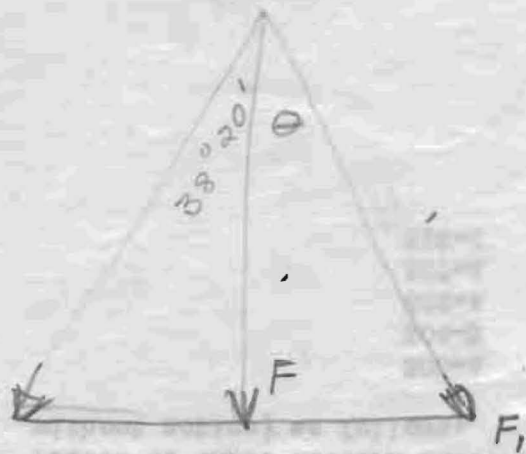


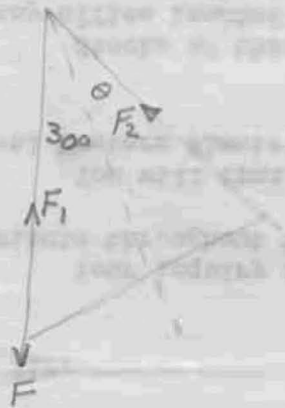
Machine verticle



$$F_1 = F/4 \cos \theta = F/4 \cdot 783 = .320 F$$

Load each member . 320 F compression

Machine tipped 30° to verticle



$$F_2 \cos(30 + 30) = 0$$

$$F_2 = 0$$

$$F_1 = F/2 \cos 30 = .577 F$$

Load on lower members each

. 577 F compression

Load on upper members zero.