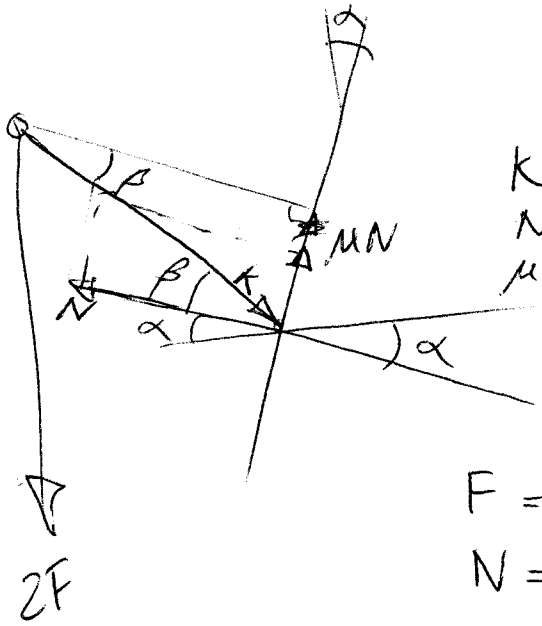
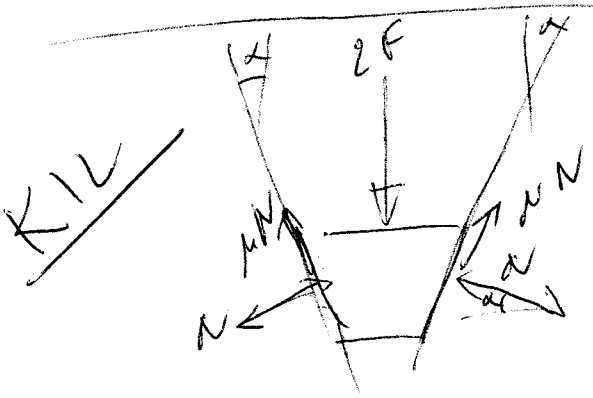


K = Kraft i kamma
N = Normal reaktion
μN = Friktionskraft

KAM

$$F = K \sin(\alpha+\beta)$$
$$N = K \cos\beta$$
$$\therefore \text{För kam: } N = \frac{F\cos\beta}{\sin(\alpha+\beta)}$$



KIL

$$F = \mu N\cos\alpha + N\sin\alpha$$
$$N = \frac{F}{\mu\cos\alpha + \sin\alpha}$$

Antag nu typiska $\begin{cases} \alpha = 5^\circ \\ \beta = 14^\circ \\ \mu = 0{,}33 \end{cases}$

$N_{kil} \approx 3{,}5\,F$

$N_{kam} \approx 3\,F$

eller med $\alpha = 15^\circ \Rightarrow$

$N_{kil} = 1{,}7F$ $\quad 15^\circ$ (x2 pga symmetri)

$N_{kam} = 2F$ $\quad$ är ju en ovanligt trubbig tilspetsa