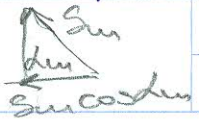
$Z_o + Z_u + S = p + 2 + 2n$ — s - broj štapova; n - br. čvorova; p - br. ploča



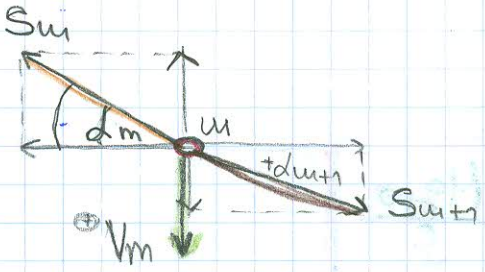
Horizontalne komponente sila u svim štapovima lanca su jednake H !

$S_1 \cos\alpha_1 = H$

$H' \cos\alpha_o = H$

$\Sigma H = 0 \quad S_m \cos\alpha_m = S_{m+1} \cos\alpha_{m+1} = H$

$$S_m = \frac{H}{\cos\alpha_m}$$!



$\Sigma V = 0 \quad S_m \sin\alpha_m - S_{m+1} \cdot \sin\alpha_{m+1} - V_m = 0$

$V_m = S_m \sin\alpha_m - S_{m+1} \sin\alpha_{m+1}$

$= \frac{H}{\cos\alpha_m} \sin\alpha_m - \frac{H}{\cos\alpha_{m+1}} \cdot \sin\alpha_{m+1}$

$$V_m = H(\operatorname{tg}\alpha_m - \operatorname{tg}\alpha_{m+1})$$!

$A + A' = A_o$

$A = A_o - A'$

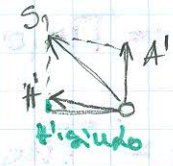
A_o - JE REAKCIJA ODGOVARAJUĆE PROSTE GREDE USLED SPOLJAŠNJEG OPTEREĆENJA

A' - JE REAKCIJA ODGOVARAJUĆE PROSTE GREDE USLED SILA V_m

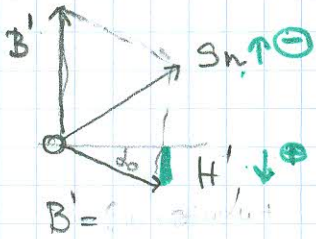
$A' = S_1 \cdot \sin\alpha_1 - H' \sin\alpha_o$

$= \frac{H}{\cos\alpha_1} \cdot \sin\alpha_1 - \frac{H}{\cos\alpha_o} \cdot \sin\alpha_o$

$= H(\operatorname{tg}\alpha_1 - \operatorname{tg}\alpha_o)$



$$A = A_o - H(\operatorname{tg}\alpha_1 - \operatorname{tg}\alpha_o)$$ 1-o



$B + B' = B_o$

$B = B_o - B'$

$B' = H' \sin\alpha_o - S_n \cdot \sin\alpha_n$

$= \frac{H}{\cos\alpha_o} \cdot \sin\alpha_o - \frac{H}{\cos\alpha_n} \cdot \sin\alpha_n$

$= H(\operatorname{tg}\alpha_o - \operatorname{tg}\alpha_n)$ o-n

$$B = B_o - H(\operatorname{tg}\alpha_o - \operatorname{tg}\alpha_n)$$