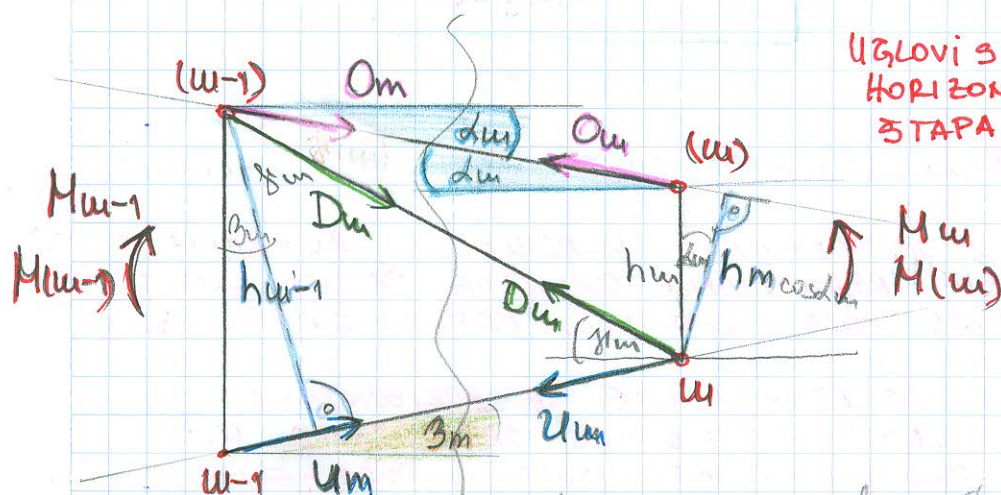


152 zelena

# ODREĐIVANJE SILA U STAPOVIMA RITER

(↑ = ↓)



UGLOVI SE MERE PREMA  
HORIZONTALI I IMAJU OZNAKU  
STAPA. STAP IMA OZNAKU  
DESNOG, ĆVORA

per tako ubijam dve sile  $D_m, U_m$

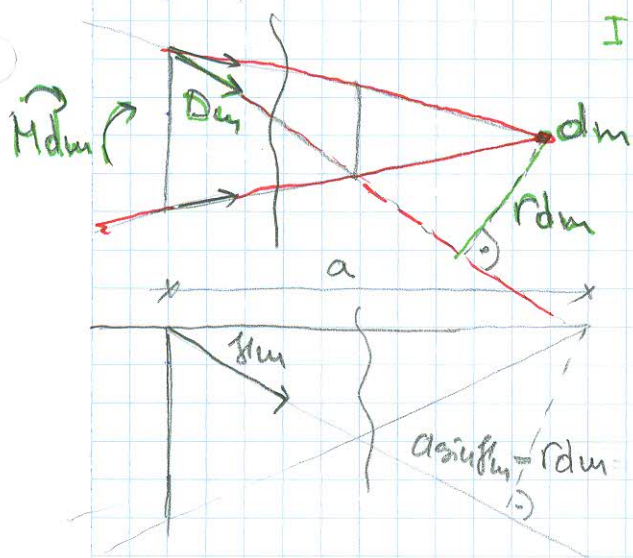
$O_m - ? \quad \sum H_m = 0 \quad M_m + O_m h_m \cos \delta_m = 0$

$$O_m = - \frac{M_m}{h_m \cdot \cos \delta_m}$$

$U_m - ? \quad \sum H_{(u-1)} = 0 \quad M_{u-1} - U_m h_{u-1} \cdot \cos \gamma_m = 0$

$$U_m = \frac{M_{u-1}}{h_{u-1} \cdot \cos \gamma_m}$$

$D_m = \dots \quad \sum H_{dm} = 0 \quad M_{dm} - D_m \cdot r_{dm} = 0$



I NAČIN

$$D_m = \frac{M_{dm}}{r_{dm}}$$

II NAČIN:

$$\sum M_{u-1} = 0$$

$$M_{u-1} + O_m \cdot h_{u-1} \cos \delta_m + D_m h_{u-1} \cos \gamma_m = 0$$

$$\frac{M_{u-1}}{h_{u-1}} + O_m \cos \delta_m + D_m \cos \gamma_m = 0$$

$$\frac{M_{u-1}}{h_{u-1}} - \frac{M_m}{h_m} + D_m \cos \gamma_m = 0$$

$$D_m = \frac{1}{\cos \gamma_m} \left( \frac{M_m}{h_m} - \frac{M_{u-1}}{h_{u-1}} \right)$$

III NAČIN:

$$H \rightarrow \oplus$$

$$\sum H = 0$$

$$-H + O_m \cos \delta_m + U_m \cos \gamma_m + D_m \cos \gamma_m = 0$$