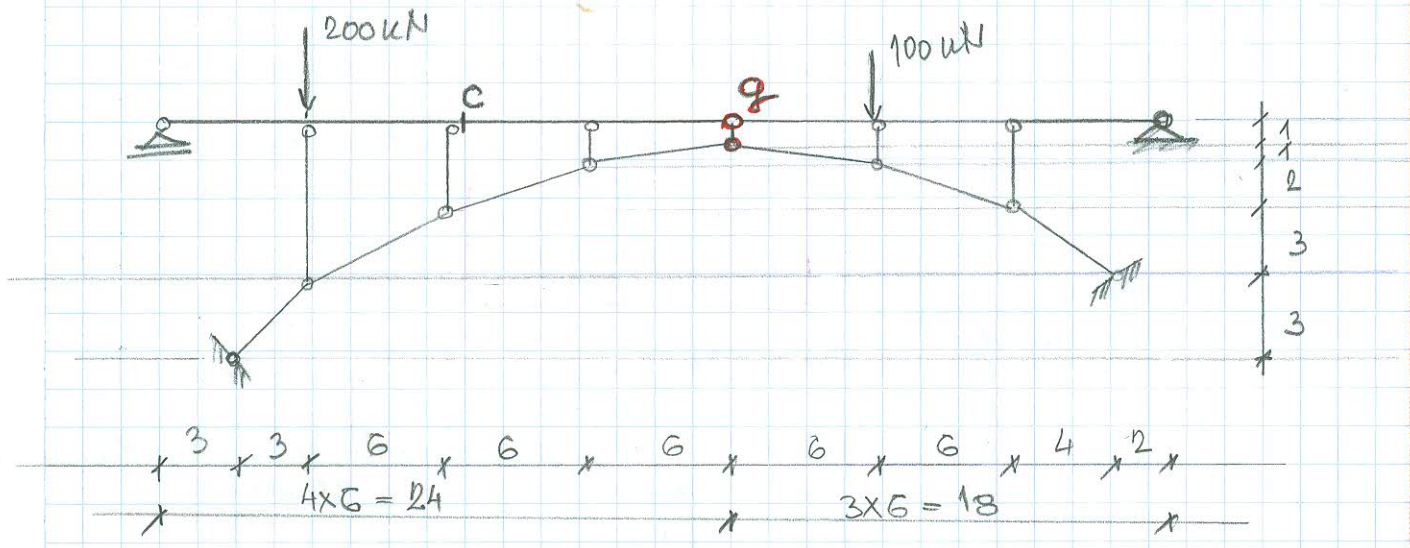
ZADATAK 5.

kada imam vertikalno opterećenje to znači da nemam N, da imam kako ću ga raditi

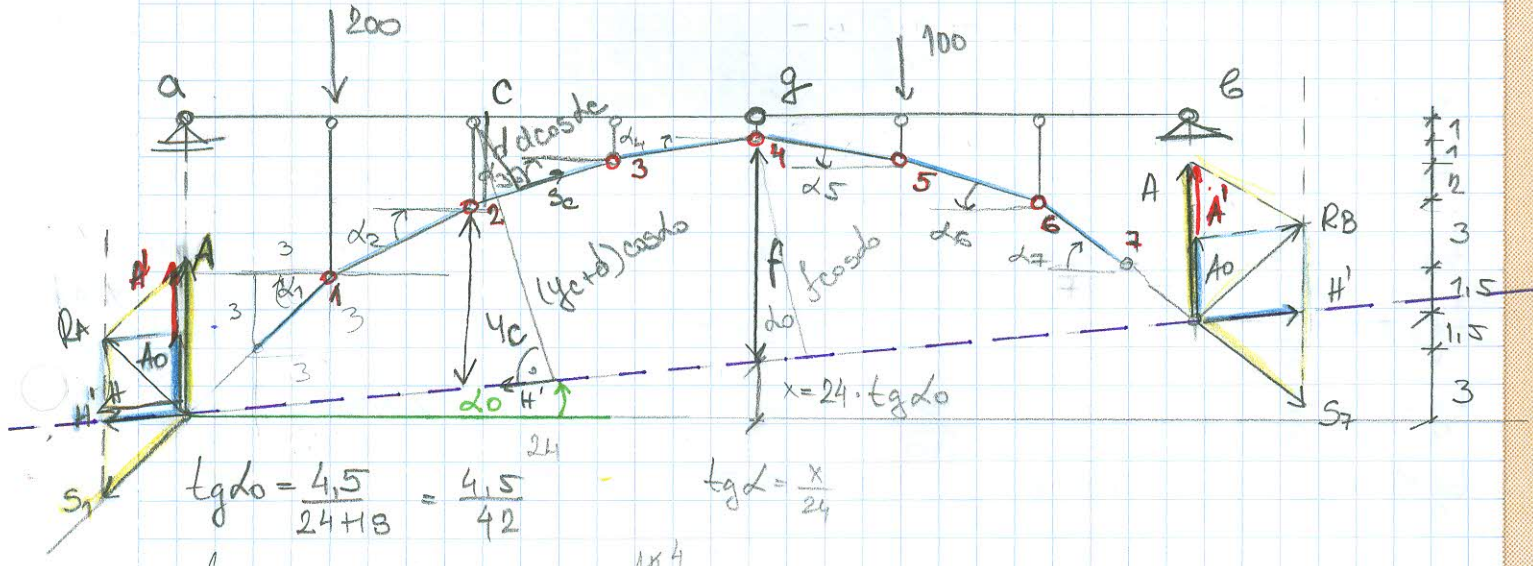
1) Usled zadatog opterećenja odrediti dijagrame M, T, N

2) Dobijene vrednosti Tc i Mc proveriti putem ukrcanje linije

** LUK UKRUĆEN GREDOM

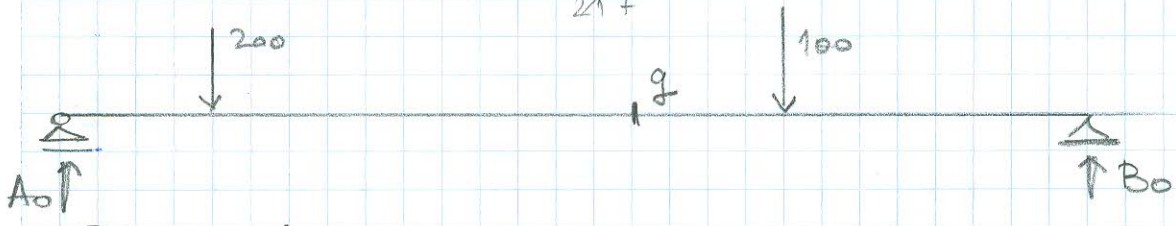


H, A₀ H', A' SiA



$$tg\alpha_0 = \frac{4,5}{24+18} = \frac{4,5}{42} \qquad tg\alpha = \frac{x}{24}$$

$$f = 12 - 24 \cdot tg\alpha_0 = 12 - \frac{24 \cdot 4,5}{42} = 9,4286 = 12 - \frac{18}{7} = \frac{66}{7}$$



$\Sigma M_B = 0 \quad A_0 \cdot 42 - 200 \cdot 36 - 100 \cdot 12 = 0 \quad A_0 = 200\ kN$

$\Sigma V = 0 \quad A_0 - 200 - 100 + B_0 = 0 \quad B_0 = 100\ kN$

$M_{g,0} = A_0 \cdot 24 - 200 \cdot 18 = 1200\ kNm$