$M_{B\,max} = -3342\,Kgm$

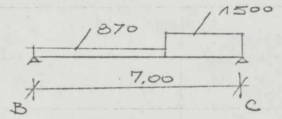
$M_{C\,max} = -4320\,Kgm$

$M_{D\,max} = -1934\,Kgm$

Veld moment:

$$M_{AB\,max} = 870 \times 2{,}77^2 \times 0{,}125 - \frac{1716}{2} = -23\ Kgm$$

$M_{BC\,max}$;



$$R_C = 870 \times 3{,}50 + \frac{630 \times 2{,}5}{2 \times 7{,}0}(2 \times 7{,}0 - 2{,}5) =$$

$R_C = 4317\,Kg$

$4317 - 870 \cdot X - 630 \times 2{,}5 = 0$

$X = 2{,}75\,m$

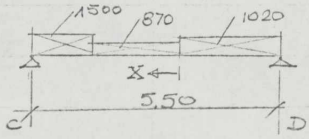
$$M_{B\text{-}C\,max} = 4317 \times 2{,}75 - 1500 \times 2{,}5 \times 1{,}50 - 870 \times \frac{0{,}25^2}{2} = 6200\,Kgm.$$

Stutzung Moment in $x = 2{,}75\,m$; bij $M_B = 3244\,Kgm$

en $M_C = 3752\,Kgm \rightarrow M = 3570\,Kgm$

$M_{BC} = 6200 - 3570 = 2630\,Kgm$

$M_{CD\,max}$;



$$R_D = 870 \times 2{,}75 + \frac{150 \times 2{,}40}{2 \times 5{,}5}(2 \times 5{,}50 - 2{,}40) + \frac{630 \times 100^2}{2 \times 5{,}5} =$$

$R_D = 2740\,Kg.$