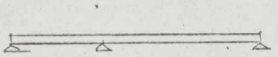
$M_{BCq} = +870 \times 7{,}00^2 \times \frac{1}{8} + \frac{630 \times 2{,}5^2}{8 \times 7{,}0^2}(2 \times 7{,}0 - 2{,}5)^2 = +6650$ Kgm

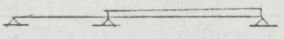
$M_{BCg} = +570 \times 7{,}00^2 \times \frac{1}{8} = +3500$ Kgm

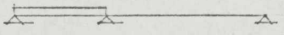
Vereffeningscoefficienten

$K_{BA} : K_{BC} = \frac{3}{2{,}77} : \frac{3}{7{,}00} = 71\% : 29\%$

B	
BA	BC
71%	29
-837	+6650
-4140	-1673
-4977	+4977
-547	+6650
-4340	-1763
-4877	+4887
-837	+3500
-1840	-823
-2677	+2677







$M_{B\,max} = -4977$ Kgm.

Veld moment

$M_{AB\,max} = 870 \times 2{,}77^2 \times 0{,}125 - \frac{2677}{2} = -501$ Kgm