

Primaire momenten

803-108

$$M_{BA} = - \left( 670 \times 5,31^2 \times \frac{1}{8} + \frac{5}{64} \times 4620 \times 5,31^2 \right) = -12500 \text{ Kgm}$$

$$M_{BC} = 2030 \times 4,70^2 \times \frac{1}{12} + \frac{5}{96} \times 3270 \times 4,70^2 + \frac{105796 \times 3,95 \times 0,75^2}{4,70^2} = \underline{18240 \text{ Kgm}}$$

$$M_{CB} = - \left( 2030 \times 4,70^2 \times \frac{1}{12} + \frac{5}{96} \times 3270 \times 4,70^2 + \frac{105796 \times 3,95^2 \times 0,75}{4,70^2} \right) = \underline{-63420 \text{ Kgm}}$$

Cros

B		C
BA	BC	CB
15%	85%	0
-12500	+18240	-63420
-860	-4880	-2440
-13360	+13360	-65860

$$T_A = 670 \times 5,31 \times \frac{1}{2} + 4620 \times 5,31 \times \frac{1}{4} - \frac{13360}{5,31} = \underline{5395 \text{ Kg}}$$

$$T_{B_L} = 670 \times 5,31 \times \frac{1}{2} + 4620 \times 5,31 \times \frac{1}{4} + \frac{13360}{5,31} = \underline{10435 \text{ Kg}}$$

$$T_{B_R} = 2030 \times 4,70 \times \frac{1}{2} + 3270 \times 4,70 \times \frac{1}{4} + \frac{13360 - 65860}{4,70} + \frac{105796 \times 0,75}{4,70} = \underline{14220 \text{ Kg}}$$

$$T_{C_L} = 2030 \times 4,70 \times \frac{1}{2} + 3270 \times 4,70 \times \frac{1}{4} + \frac{65860 - 13360}{4,70} + \frac{105796 \times 3,95}{4,70} = \underline{108920 \text{ Kg}}$$