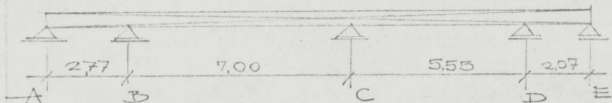


Plattegrond 1<sup>o</sup> verdiepingBelasting

e.g. slaer	$0.18 \times 2400$	$= 435 \text{ kg/m}^2$
qfw.		$= 135 \text{ kg/m}^2$
nb.		$= 300 \text{ kg/m}^2$
		<hr/>
		$q = 870 \text{ kg/m}^2$

Plaat tussen os. C/D en E

Primaire momenten

$$M_{Bq} = -(870 \times 2.77^2 \times \frac{1}{8}) = -837 \text{ kgm}$$

$$M_{Bq} = -(570 \times 2.77^2 \times \frac{1}{8}) = -547 \text{ kgm}$$

$$-M_{BCq} = -M_{CB} = 870 \times 7.00^2 \times \frac{1}{12} = 3550 \text{ kgm}$$

$$M_{BCq} = -M_{CB} = 570 \times 7.00^2 \times \frac{1}{12} = 2320 \text{ kgm}$$

$$M_{CDq} = -M_{DC} = 870 \times 5.55^2 \times \frac{1}{12} = 2240 \text{ kgm}$$

$$M_{CDq} = -M_{DC} = 570 \times 5.55^2 \times \frac{1}{12} = 1460 \text{ kgm}$$

$$M_{DEq} = 870 \times 2.07^2 \times \frac{1}{8} = 467 \text{ kgm}$$

$$M_{DEq} = 570 \times 2.07^2 \times \frac{1}{8} = 305 \text{ kgm}$$

Veroffeningcoefficienten

$$K_{BA} : K_{BC} = \frac{3}{2.77} : \frac{4}{7.00} = 65\% : 35\%$$

$$K_{CB} : K_{CD} = \frac{4}{7.00} : \frac{4}{5.55} = 44\% : 56\%$$

$$K_{DC} : K_{DE} = \frac{4}{5.55} : \frac{3}{2.07} = 33\% : 67\%$$