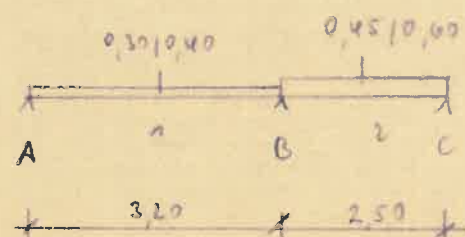


Durchlaufwirkung Pos 37y - 39:



$$R_{1y} = \frac{0,30 \cdot 3,20^3}{4} = 2,46 \text{ nPm}$$

$$R_{1y} = \frac{0,40 \cdot 3,20^3}{4} = 3,28 \text{ nPm}$$

$$L_{1y} = \frac{0,45 \cdot 2,50^3}{4} = 1,76 \text{ nPm}$$

$$L_{1y} = \frac{0,60 \cdot 2,50^3}{4} = 2,35 \text{ nPm}$$

$$n_B = \frac{1,40}{3,20} = 0,44$$

$$1,40 = 5,63 = 5,04 = 4,81$$

$$n_B = 0,44 = 0,44 = 0,42$$

$$A = 0,40 \cdot 1,60 = \frac{0,44}{3,20} = 0,64 = 0,14 = 0,50 \text{ nPm}$$

$$n_1 = n_{37y} = \frac{0,30}{0,80} = 0,38 \text{ nPm}$$

$$B_2 (\text{normales zu schlag}) = \frac{0,40}{3,20} = 0,15 \text{ nPm}$$

$$B_1 = 0,60 \cdot 1,25 + \frac{0,44}{2,50} = 0,75 + 0,20 = 0,95 \text{ nPm}$$

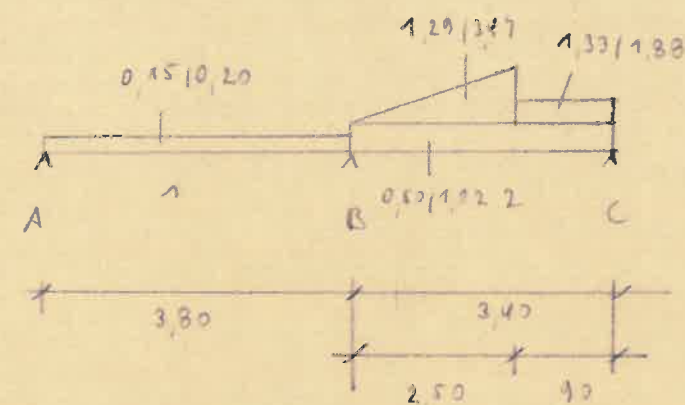
$$B = 1,10 \text{ nPm}$$

$$C = 0,75 - 0,17 = 0,58 \text{ nPm}$$

$$n_2 = n_{39} = \frac{0,58}{1,20} = 0,28 \text{ nPm}$$

geprüft

Durchlaufwirkung Pos 37x - 39:



$$R_{1y} = \frac{0,15 \cdot 3,80^3}{8} = 0,27 \text{ nPm}$$

$$R_{1y} = \frac{0,20 \cdot 3,80^3}{8} = 0,36 \text{ nPm}$$

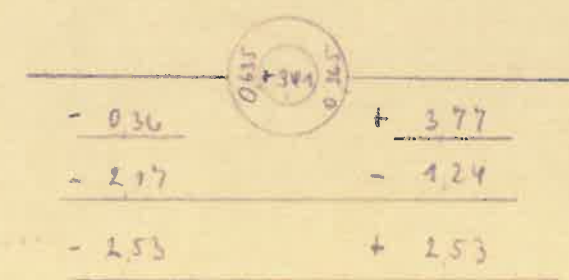
$$R_{2y} = \frac{3,40}{8} (0,50 \cdot 3,40 + 1,33 \cdot 0,90 \cdot 0,51 + 1,29 \cdot 1,31) = 0,425 (1,70 + 0,61 + 1,69) = 1,70 \text{ nPm}$$

$$R_{2y} = 0,425 (1,02 \cdot 3,40 + 1,88 \cdot 0,90 \cdot 0,51 + 3,47 \cdot 1,31) = 0,425 (3,47 + 0,86 + 4,54) = 3,77 \text{ nPm}$$

$$\mu_{BL} = \frac{2,09}{3,20} = 0,655$$

$$\mu_{BC} = \frac{1,20}{3,20} = 0,365$$

Belastungsfall I:



geprüft