

$$a_c = \omega^2 \cdot 3 = 14.3 = 42$$

$$\Phi_1 = m_1 \cdot a_c = 20 \cdot 42 = 840$$

$$\sum M_A = 0 \quad B_1 \cdot 9 - 840 \cdot 7 - 400 \cdot 5 - (300 + 168) \cdot 2 - 200 \cdot 3 - 20 \cdot 6 = 0$$

$$B_1 = 1059,556 \quad \checkmark$$

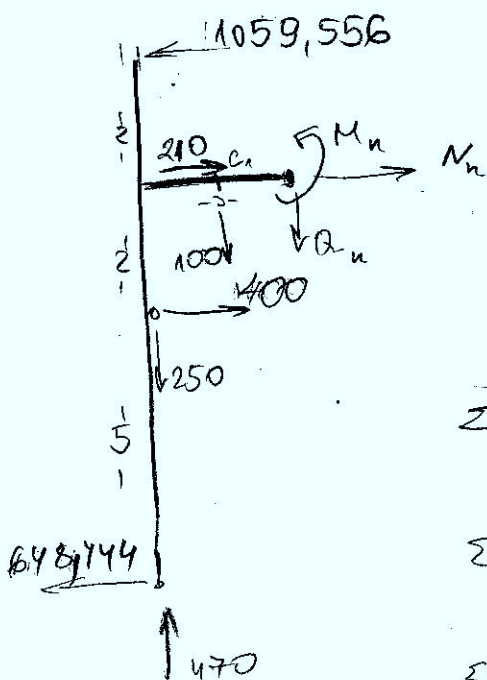
$$\sum M_B = 0$$

$$-A_h \cdot 9 + (300 + 168) \cdot 7 + 400 \cdot 4 + 840 \cdot 2 - 200 \cdot 3 - 20 \cdot 6 = 0$$

$$A_h = 648,444 \quad \checkmark$$

$$\sum V = 0 \quad A_v - 200 - 20 - 250 = 0$$

$$A_v = 470 \quad \checkmark$$



$$m_1' = \frac{20}{6}$$

$$G = \frac{20}{6} \cdot 3 \cdot 10 = 100$$

$$a_{c1} = \omega^2 \cdot 1.5 = 21$$

$$\Phi_2 = m \cdot a_{c1} = \frac{20}{6} \cdot 3 \cdot 21 = 210$$

$$\sum H = 0 \rightarrow M_n - 1059,556 + 210 + 400 - 648,444 = 0$$

$$M_n = 1308 \quad \checkmark$$

$$\sum V = 0 \rightarrow -Q_n - 100 - 250 + 470 = 0$$

$$Q_n = 120 \quad \checkmark$$

$$\sum M = 0 \quad M_n + 1059,556 \cdot 2 + 100 \cdot 1.5 + 400 \cdot 2 + 250 \cdot 3 - 470 \cdot 3 - 648,444 \cdot 7 = 0$$

$$M_n = 2129,996 \quad \checkmark$$