

$$k_{\varphi} = 15514 + 6,74 = 15520$$

$$\varphi = 0,0116$$

$$0,0105$$

$$M_1 = M_2 = 89,98 \text{ kN/m}$$

$$90,04 \text{ kN/m}$$

$$M_3 = 0,0782 \text{ kN/m}$$

$$0,06 \text{ kN/m}$$

