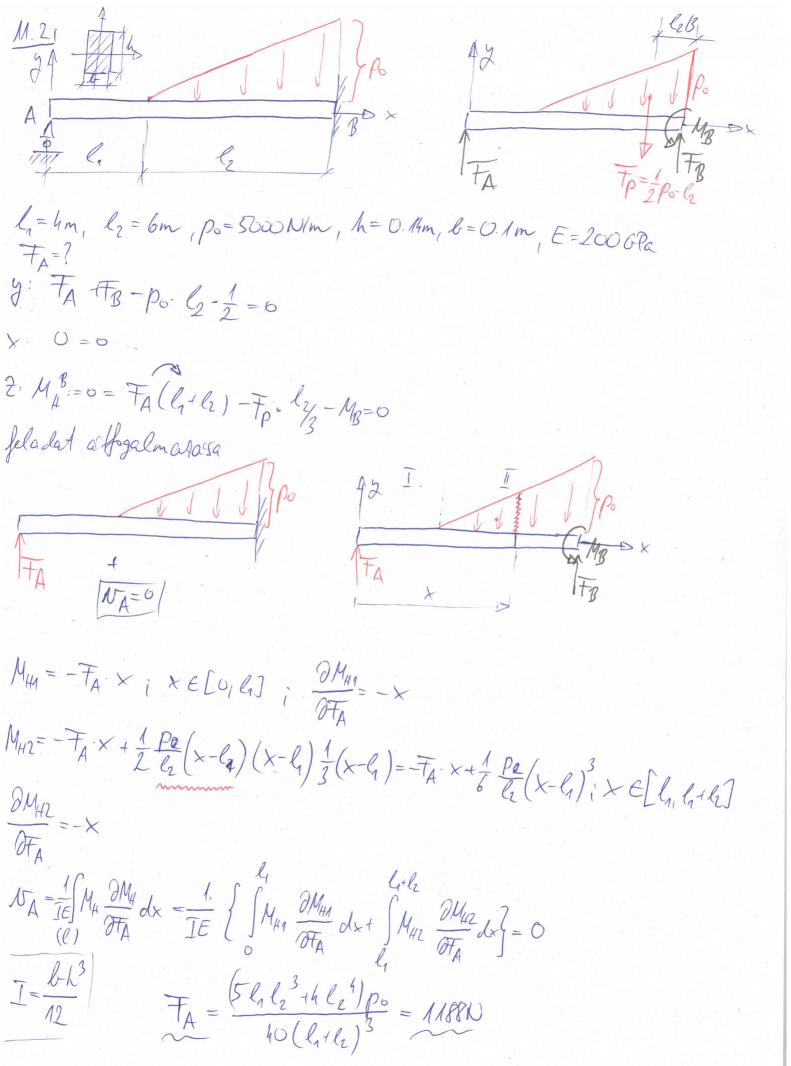
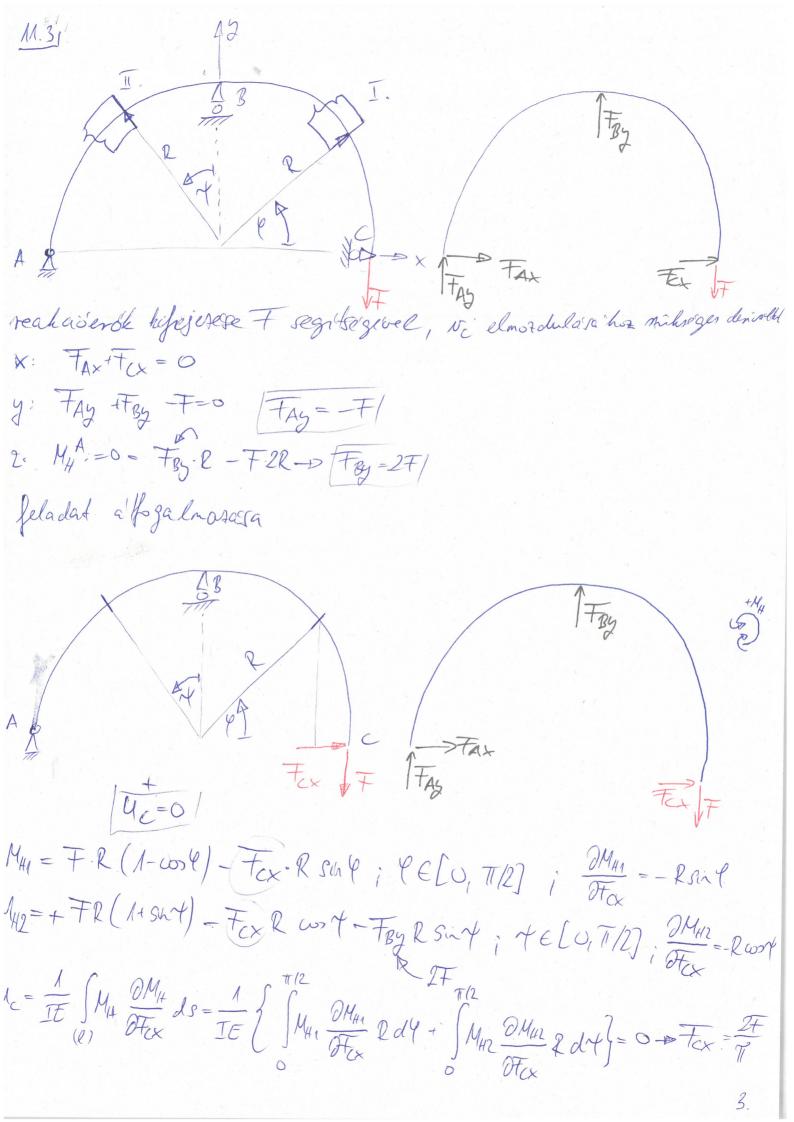
V= TE MA DMA dx + 1 SN DN dx + 1 SM DM dx + 1 FG SM DM dx + 1 FG SM DM dx F=2000N, p=500N/m  $\frac{\partial M_{H_1}}{\partial \mathcal{F}} = \times$ l=3m, l=8m, IE=10Nm  $M_{H2} = 7 \times 4p \frac{(x-l_1)^2}{2} \times \{l_1, l_1+l_2\}$ NA=? /A=?  $\mathcal{N}_{A} = \frac{1}{JE} M_{H} \frac{\partial M_{H}}{\partial F} dx = \frac{1}{JE} \left\{ \int_{0}^{M_{H}} \frac{\partial M_{H}}{\partial F} dx + \int_{0}^{M_{H}} \frac{\partial M_{H}}{\partial F} dx \right\} = \frac{1}{JE} \left\{ \int_{0}^{M_{H}} \frac{\partial M_{H}}{\partial F} dx - \int_{0}^{M_{H}} \frac{\partial M_{H}}{\partial F} dx \right\} = \frac{1}{JE} \left\{ \int_{0}^{M_{H}} \frac{\partial M_{H}}{\partial F} dx - \int_{0}^{M_{H}} \frac{\partial M_{H}}{\partial F} dx \right\} = \frac{1}{JE} \left\{ \int_{0}^{M_{H}} \frac{\partial M_{H}}{\partial F} dx - \int_{0}^{M_{H}} \frac{\partial M_{H}}{\partial F} dx \right\} = \frac{1}{JE} \left\{ \int_{0}^{M_{H}} \frac{\partial M_{H}}{\partial F} dx - \int_{0}^{M_{H}} \frac{\partial M_{H}}{\partial F} dx \right\} = \frac{1}{JE} \left\{ \int_{0}^{M_{H}} \frac{\partial M_{H}}{\partial F} dx - \int_{0}^{M_{H}} \frac{\partial M_{H}}{\partial F} dx \right\} = \frac{1}{JE} \left\{ \int_{0}^{M_{H}} \frac{\partial M_{H}}{\partial F} dx - \int_{0}^{M_{H}} \frac{\partial M_{H}}{\partial F} dx \right\} = \frac{1}{JE} \left\{ \int_{0}^{M_{H}} \frac{\partial M_{H}}{\partial F} dx - \int_{0}^{M_{H}} \frac{\partial M_{H}}{\partial F} dx \right\} = \frac{1}{JE} \left\{ \int_{0}^{M_{H}} \frac{\partial M_{H}}{\partial F} dx - \int_{0}^{M_{H}} \frac{\partial M_{H}}{\partial F} dx \right\} = \frac{1}{JE} \left\{ \int_{0}^{M_{H}} \frac{\partial M_{H}}{\partial F} dx - \int_{0}^{M_{H}} \frac{\partial M_{H}}{\partial F} dx \right\} = \frac{1}{JE} \left\{ \int_{0}^{M_{H}} \frac{\partial M_{H}}{\partial F} dx - \int_{0}^{M_{H}} \frac{\partial M_{H}}{\partial F} dx \right\} = \frac{1}{JE} \left\{ \int_{0}^{M_{H}} \frac{\partial M_{H}}{\partial F} dx - \int_{0}^{M_{H}} \frac{\partial M_{H}}{\partial F} dx \right\} = \frac{1}{JE} \left\{ \int_{0}^{M_{H}} \frac{\partial M_{H}}{\partial F} dx - \int_{0}^{M_{H}} \frac{\partial M_{H}}{\partial F} dx \right\} = \frac{1}{JE} \left\{ \int_{0}^{M_{H}} \frac{\partial M_{H}}{\partial F} dx - \int_{0}^{M_{H}} \frac{\partial M_{H}}{\partial F} dx \right\} = \frac{1}{JE} \left\{ \int_{0}^{M_{H}} \frac{\partial M_{H}}{\partial F} dx - \int_{0}^{M_{H}} \frac{\partial M_{H}}{\partial F} dx \right\} = \frac{1}{JE} \left\{ \int_{0}^{M_{H}} \frac{\partial M_{H}}{\partial F} dx - \int_{0}^{M_{H}} \frac{\partial M_{H}}{\partial F} dx \right\} = \frac{1}{JE} \left\{ \int_{0}^{M_{H}} \frac{\partial M_{H}}{\partial F} dx - \int_{0}^{M_{H}} \frac{\partial M_{H}}{\partial F} dx \right\} = \frac{1}{JE} \left\{ \int_{0}^{M_{H}} \frac{\partial M_{H}}{\partial F} dx - \int_{0}^{M_{H}} \frac{\partial M_{H}}{\partial F} dx \right\} = \frac{1}{JE} \left\{ \int_{0}^{M_{H}} \frac{\partial M_{H}}{\partial F} dx - \int_{0}^{M_{H}} \frac{\partial M_{H}}{\partial F} dx \right\} = \frac{1}{JE} \left\{ \int_{0}^{M_{H}} \frac{\partial M_{H}}{\partial F} dx - \int_{0}^{M_{H}} \frac{\partial M_{H}}{\partial F} dx \right\} = \frac{1}{JE} \left\{ \int_{0}^{M_{H}} \frac{\partial M_{H}}{\partial F} dx - \int_{0}^{M_{H}} \frac{\partial M_{H}}{\partial F} dx \right\} = \frac{1}{JE} \left\{ \int_{0}^{M_{H}} \frac{\partial M_{H}}{\partial F} dx - \int_{0}^{M_{H}} \frac{\partial M_{H}}{\partial F} dx \right\} = \frac{1}{JE} \left\{ \int_{0}^{M_{H}} \frac{\partial M_{H}}{\partial F} dx - \int_{0}^{M_{H}} \frac{\partial M_{H}}{\partial F} dx \right\} = \frac{1}{JE} \left\{ \int_{0}^{M_{H}} \frac{\partial M_{H}}{\partial F}$ NA= 0.01271 m V La meghatan 2059  $M_{H_1} = M + T \times i \times \mathcal{E}[O, P_1] \cdot \frac{\partial M_{H_1}}{\partial M} = 1$   $M_{H_2} = M + T \times i \times \mathcal{E}[O, P_1] \cdot \frac{\partial M_{H_1}}{\partial M} = 1$  M = 0 Nm  $M_{H_2} = M + T \times i \times \mathcal{E}[O, P_1] \cdot \frac{\partial M_{H_1}}{\partial M} = 1$  $A = \frac{3F(l_1+l_2)^2 + l_2^3}{6IE} = 1.637.10^3 \text{ rad} = 0.0938^\circ$ 

1





Ha MH-~ himl N-ct is figglenbeueneil  $T_{CX} = \frac{2T}{T} \cdot \frac{A\ell^2 - I}{A\ell^2 + I} \quad pe \quad A = \frac{d^2T}{4}$ We be megheterozasahoz denimetal  $\frac{\partial M_{H1}}{\partial T} = 2(1 - \omega_2 + \ell_1) \quad \frac{\partial M_{H2}}{\partial T} = 2(1 + \Omega_1 + \ell_1) - 2R\Omega_1 + \ell_2$   $\frac{\partial M_{H1}}{\partial T} = 2\left(1 - \frac{\partial M_{H1}}{\partial T} + \frac{\partial M_{H1}}{\partial T} +$ 

4.

real asersh meghatalnotasa IE adott 2. FATES-P. 8=0 My = 0 = MA - TA . R + P = (MB)  $M_{H} = M_{A} - \overline{T}_{A} \times + p \stackrel{\times}{\stackrel{?}{=}} i \times \in [0, e] ; \frac{\partial \mathcal{U}_{H}}{\partial \overline{T}_{A}} = -x; \frac{\partial \mathcal{U}_{H}}{\partial \mathcal{U}_{A}} = 1$  $W_{A} = \frac{1}{JE} \int_{\mathbb{R}} M_{A} \frac{\partial M_{A}}{\partial T_{A}} dx \xrightarrow{b} \int_{\mathbb{R}} M_{A} \frac{\partial M_{A}}{\partial T_{A}} dx + p \frac{x^{2}}{2} e^{-(-x)} dx = 0$   $\int_{\mathbb{R}} T_{A} = \frac{p\ell}{2}$ La = IE Sup Dup dx - IE Sup TE Sup X2) -1 dx = 0. TB= PC, MB= - PC2/

