$$\begin{pmatrix}
-\mu'' = 1 & \nu & \Omega = (0_{1}1) \\
\mu(0) = 0 & \text{analyticli' trishu'} \\
\mu(1) = 0 & \text{analyticli' trishu'} \\
\Rightarrow \text{Mocdlar} & || \mu - \mu_{R} ||_{L_{2}} \\
\alpha & || \mu - \mu_{R} ||_{H_{1}}$$

-> rvolime riena h, rnavernime ratvislest north na h

$$\frac{L_{2} \text{ norma}}{\| w - w_{k} \|_{L^{2}}^{2}} = \int (w(x) - w_{k}(x))^{2} dx =$$

$$\left(p \text{ to a elementy} \right) = \sum_{i=1}^{N} \int (u(x) - w_{k}(x))^{2} dx$$

$$elementy$$

 $A = W_{N}(X_{i-1})$ $W_{N,E_{i}}(X) = \frac{X_{i-1} (X_{i})}{X_{i} - X_{i-1}} (3-A) + A$

TE i mjalvime
$$f(x) = (w(x) - w_{R/E_1}(x))^2$$

a rintegrujemu près E_{i} ,
sucheme, odmocn'me

 $|| M - M_{a} ||_{H^{1}}^{2} = \int_{0}^{1} (M(x) - M_{a}(x))^{2} dx + \int_{0}^{1} (M'(x) - M'_{a}(x))^{2} dx$ $|| M - M_{a} ||_{L_{2}}^{2} \qquad || M' - M'_{a} ||_{L_{2}}^{2}$ $= || M - M_{a} ||_{L_{2}}^{2} + \sum_{i=1}^{N} \int_{X_{i-1}}^{1} (M'(x) - M_{a}'(x))^{2} dx$ $= || M - M_{a} ||_{L_{2}}^{2} + \sum_{i=1}^{N} \int_{X_{i-1}}^{1} (M'(x) - M_{a}'(x))^{2} dx$ $= || M - M_{a} ||_{L_{2}}^{2} + \sum_{i=1}^{N} \int_{X_{i-1}}^{1} (M'(x) - M_{a}'(x))^{2} dx$ $= || M - M_{a} ||_{L_{2}}^{2} + \sum_{i=1}^{N} \int_{X_{i-1}}^{1} (M'(x) - M_{a}'(x))^{2} dx$ $= || M - M_{a} ||_{L_{2}}^{2} + \sum_{i=1}^{N} \int_{X_{i-1}}^{1} (M'(x) - M_{a}'(x))^{2} dx$ $= || M - M_{a} ||_{L_{2}}^{2} + \sum_{i=1}^{N} \int_{X_{i-1}}^{1} (M'(x) - M_{a}'(x))^{2} dx$ $= || M - M_{a} ||_{L_{2}}^{2} + \sum_{i=1}^{N} \int_{X_{i-1}}^{1} (M'(x) - M_{a}'(x))^{2} dx$ $= || M - M_{a} ||_{L_{2}}^{2} + \sum_{i=1}^{N} \int_{X_{i-1}}^{1} (M'(x) - M_{a}'(x))^{2} dx$ $= || M - M_{a} ||_{L_{2}}^{2} + \sum_{i=1}^{N} \int_{X_{i-1}}^{1} (M'(x) - M_{a}'(x))^{2} dx$ $= || M - M_{a} ||_{L_{2}}^{2} + \sum_{i=1}^{N} \int_{X_{i-1}}^{1} (M'(x) - M_{a}'(x))^{2} dx$ $= || M - M_{a} ||_{L_{2}}^{2} + \sum_{i=1}^{N} \int_{X_{i-1}}^{1} (M'(x) - M_{a}'(x))^{2} dx$ $= || M - M_{a} ||_{L_{2}}^{2} + \sum_{i=1}^{N} \int_{X_{i-1}}^{1} (M'(x) - M_{a}'(x))^{2} dx$ $= || M - M_{a} ||_{L_{2}}^{2} + \sum_{i=1}^{N} \int_{X_{i-1}}^{1} (M'(x) - M_{a}'(x))^{2} dx$ $= || M - M_{a} ||_{L_{2}}^{2} + \sum_{i=1}^{N} \int_{X_{i-1}}^{1} (M'(x) - M_{a}'(x))^{2} dx$ $= || M - M_{a} ||_{L_{2}}^{2} + \sum_{i=1}^{N} \int_{X_{i-1}}^{1} (M'(x) - M_{a}'(x))^{2} dx$ $= || M - M_{a} ||_{L_{2}}^{2} + \sum_{i=1}^{N} \int_{X_{i-1}}^{1} (M'(x) - M_{a}'(x))^{2} dx$