$$\begin{split} & \frac{N-R}{P_1} = \sup_{z \in A} u \cdot 0 \cdot \ker c c d : \\ & = \sum_{i=1}^{N} u_i^{(i)} U_i^{(i)} V_{ij}^{(i)} - \cos \left(\frac{1}{2} - \frac{1}{2} - \frac{1}{2} - \frac{1}{2} \right) + u_2 \cdot u_3 \cdot V_{22} \cdot \cos \left(- \frac{1}{2} - \frac{1}{2} - \frac{1}{2} \right) \\ & = \sum_{i=1}^{N} u_i^{(i)} U_i^{(i)} V_{21} \cdot \cos \left(\frac{1}{2} - \frac{1}{2} - \frac{1}{2} - \frac{1}{2} \right) + u_2 \cdot u_3 \cdot V_{22} \cdot \cos \left(- \frac{1}{2} - \frac{1}{2} \right) \\ & = \sum_{i=1}^{N} u_i^{(i)} U_i^{(i)} V_{21} \cdot \sin \left(\frac{1}{2} - \frac{1}{2} - \frac{1}{2} - \frac{1}{2} \right) + u_2 \cdot u_3 \cdot V_{22} \cdot \cos \left(- \frac{1}{2} - \frac{1}{2} \right) + u_2^{(i)} U_3^{(i)} \cdot V_{22} \cdot \cos \left(- \frac{1}{2} - \frac{1}{2} \right) \\ & = \sum_{i=1}^{N} u_i^{(i)} U_i^{(i)} \cdot V_{21} \cdot \sin \left(\frac{1}{2} - \frac{1}{2} - \frac{1}{2} - \frac{1}{2} \right) + u_2^{(i)} U_2^{(i)} \cdot V_{22} \cdot \sin \left(- \frac{1}{2} - \frac{1}{2} \right) \\ & = \sum_{i=1}^{N} u_i^{(i)} \cdot V_{21} \cdot \sin \left(\frac{1}{2} - \frac{1}{2} - \frac{1}{2} - \frac{1}{2} \right) + u_2^{(i)} \cdot U_2^{(i)} \cdot V_{22} \cdot \sin \left(- \frac{1}{2} - \frac{1}{2} - \frac{1}{2} \right) \\ & = \sum_{i=1}^{N} u_i^{(i)} \cdot V_{21} \cdot \sin \left(\frac{1}{2} - \frac$$

$$|U_{2}^{(1)}| = |U_{2}^{(c)}| + \Delta U_{2}^{(c)}$$

$$|U_{3}^{(1)}| = |U_{3}^{(c)}| + \Delta U_{3}^{(c)}$$

$$\frac{2}{4} \left[S \right] = \frac{\ln^2}{8n} \left[\frac{P_{au}}{8n} + i \left[\frac{P_{au}}{8n} \right]^2 - \left(\frac{P_{au}}{8n} \right)^2 \right] \\
\frac{2}{4} \left[P_{au} \right] = \frac{1}{4} \left[\frac{S_B}{n_B^2} \right] \\
\frac{2}{4} \left[P_{au} \right] = \frac{1}{4} \left[\frac{1}{4} \right] \\
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\frac{1}{4} \left[\frac{1$$

 $S_{1-2} = u_1(u_1^* - u_2^*) \cdot y_1 z^* + |u_1|^2 \cdot y_1 o^*$ $S_{2-1} = u_2(u_2^* - u_1^*) \cdot y_1 z^* + |u_2|^2 \cdot y_2 o^*$ $S_{N-2} = u_1(u_1^* - u_2^*) \cdot y_1 z^* + |u_1|^2 \cdot y_1 o^*$ $S_{2-1} = u_2(u_2^* - u_1^*) \cdot y_1 z^* + |u_2|^2 \cdot y_2 o^*$ $\Delta S_{1} = S_{N-2} + S_{2-1} \cdot \Delta S_{1} = S_{1-2} + S_{2-1}$

W-R meteda: []=?, imama 3 cvansta, 1. je referentus $u_2^{(c)} = u_3^{(c)} = 1+ j_0 p.u.$ $\xi_1^{(c)} = \xi_2^{(0)} = \xi_3^{(c)} = 0^c$

- u y manici sa križa reterentuo cv.

$$J_{1} = \begin{bmatrix} \frac{\partial P_{2}}{\partial \varepsilon_{2}} & \frac{\partial P_{2}}{\partial \varepsilon_{3}} \\ \frac{\partial P_{3}}{\partial \varepsilon_{3}} & \frac{\partial P_{3}}{\partial \varepsilon_{3}} \end{bmatrix} = \begin{bmatrix} m_{22} & m_{23} \\ m_{32} & m_{33} \end{bmatrix}$$

Mzz = - \sum_{j=1}^{3} \u_{i}^{0} \cdot \u_{j}^{0} \cdot Y_{ij} \sin(\si-\si_{j} - \sin_{ij})

= - uz . W. Yzn sin (52-8, - 621) - uz uz yzz sin (fz-63-023)

Mgs = - Us. 4. Ys sin (53 - 81 - 031) - Uz Uz Yzzsin (53 - 52 - 032)

M23 = U2. U3. 423. Sin (8, - 53 - 023)

M32 = M23

Isrosnj. rakovi SNAGE; ev. Hf. -> taj kut
$$f=0$$
-St je uvijek negativno, Sq pozitivno!

-u matrici y križenu referentni redek i shupac o

[$Z=[Y]^{-1}$ | $\begin{bmatrix} S_1 \\ S_2 \end{bmatrix} = \begin{bmatrix} Z_1 \end{bmatrix}$, $\begin{bmatrix} P_1 \\ P_2 \end{bmatrix}$, $\begin{bmatrix} P_1-2 = \frac{g_1-g_2}{x_1-2} = (g_1-g_2) \cdot y_{1-2} \end{bmatrix}$
 $\begin{cases} P_2-3 = \frac{g_2-g_3}{x_2-3} = (g_1-g_2) \cdot y_{1-2} \end{cases}$

 $\frac{\text{Keatki SPO3:}}{\begin{bmatrix} u_{1}^{h} \\ u_{2}^{z} \end{bmatrix}} = \frac{x_{1}^{2}}{100} \cdot \frac{u_{1}^{2}}{100} \cdot \frac{v_{1}^{u_{1}^{2}}}{100} \cdot \frac{S_{B}}{S_{M2}} \cdot \frac{v_{1}^{u_{1}^{2}}}{100} = x_{1}^{u_{1}^{2}} \cdot \frac{S_{B}}{u_{1}^{2}} \cdot \frac{S_{B}}{u_{1}^{2}} \cdot \frac{S_{B}}{100} \cdot \frac{S_{B}}{S_{M2}} \cdot \frac{S_{B}^{u_{1}^{2}}}{100} = x_{1}^{u_{1}^{2}} \cdot \frac{S_{B}^{u_{1}^{2}}}{100} \cdot \frac{S_{B}^{u_{1}^{2}}}{100}$

GAUSS-SEIDEL POMOČU Y!

YNO

YNO

YNO

YNO

Usco = 1+10

Usco = 1+10

EV. 1 je referentno

KLi = $\frac{\text{Fi-j} Gl}{\text{Vii}}$, $\frac{\text{VLp}_1 i}{\text{VPP}}$ Usco = 1+10

EV. 1 je referentno

KLi = $\frac{\text{Pi-j} Gl}{\text{Vii}}$, $\frac{\text{VLp}_1 i}{\text{VPP}}$ Usco = $\frac{\text{KLs}}{\text{Vul}}$, $\frac{\text{VLp}_1 i}{\text{VPP}}$ Usco = $\frac{\text{KLs}}{\text{Vul}}$, $\frac{\text{VLs}_1 \cdot \text{VLs}_1}{\text{Vls}_1}$, $\frac{\text{VLs}_1 \cdot \text{VLs}_2}{\text{Vls}_2}$, $\frac{\text{VLs}_1 \cdot \text{VLs}_2}{\text{Vls}_2}$ What $\frac{\text{VLs}}{\text{Vls}}$ is $\frac{\text{KLs}}{\text{Vls}_1}$ is $\frac{\text{VLs}_1 \cdot \text{VLs}_2}{\text{Vls}_2}$. $\frac{\text{VLs}_1 \cdot \text{VLs}_2}{\text{Vls}_2}$ is $\frac{\text{VLs}_2 \cdot \text{Vls}_2}{\text{Vls}_2}$ is $\frac{\text{VLs}_2 \cdot \text{Vls}_2}{\text{Vls}_2}$ is $\frac{\text{VLs}_2 \cdot \text{Vls}_2}{\text{Vls}_2}$. $\frac{\text{VLs}_1 \cdot \text{VLs}_2}{\text{Vls}_2}$ is $\frac{\text{VLs}_2 \cdot \text{Vls}_2}{\text{Vls}_2}$. $\frac{\text{VLs}_2 \cdot \text{Vls}_2}{\text{Vls}_2}}$ is $\frac{\text{VLs}_2 \cdot \text{Vls}_2}{\text{Vls}_2}$. $\frac{\text{VLs}_2 \cdot \text{Vls}_2}{\text{Vls}_2}$ is $\frac{\text{VLs}$

$$J_4 = \begin{bmatrix} \frac{2G_2}{2U_2} & \frac{2G_2}{2U_3} \\ \frac{2G_3}{2U_2} & \frac{2G_3}{2U_3} \end{bmatrix} = \begin{bmatrix} N_{22} & N_{23} \\ N_{32} & N_{33} \end{bmatrix}$$

N32 = N23

 $\begin{aligned} &\text{M}_{22} = 2 \cdot \text{U}_{2}^{2} \cdot \text{Y}_{22} \cdot \text{Sin} \left(-\Theta_{212} \right) + \sum_{\substack{j=4 \\ j\neq 2}}^{3} \text{U}_{3}^{2} \cdot \text{Y}_{2j} \cdot \text{Sin} \left(S_{1} - S_{1}^{2} - \Theta_{ij} \right) \\ &\text{M}_{22} = 7 \cdot \text{U}_{2}^{2} \text{Y}_{22} \cdot \text{Sin} \left(-\Theta_{212} \right) + \text{U}_{1}^{2} \cdot \text{Y}_{21} \cdot \text{Sin} \left(S_{2} - S_{1}^{2} - \Theta_{21} \right) + \text{U}_{2}^{2} \cdot \text{Y}_{22} \cdot \text{Sin} \left(S_{2} - S_{3}^{2} - \Theta_{31} \right) \\ &\text{M}_{23} = 2 \cdot \text{U}_{2}^{2} \cdot \text{Y}_{23} \cdot \text{Sin} \left(-\Theta_{3,2} \right) + \text{U}_{1}^{2} \cdot \text{Y}_{31} \cdot \text{Sin} \left(S_{3} - S_{1}^{2} - \Theta_{31} \right) + \text{U}_{2}^{2} \cdot \text{Y}_{32} \cdot \text{Sin} \left(S_{2}^{2} - S_{3}^{2} - \Theta_{23} \right) \\ &\text{M}_{23} = \text{U}_{2}^{2} \cdot \text{Y}_{23} \cdot \text{Sin} \left(S_{2}^{2} - S_{3}^{2} - \Theta_{23} \right) \end{aligned}$