Dogerker: N3.21, T2, N4.51(1), T5, T6.

N9.21 Vrapanerenurega?

$$\begin{cases} \alpha_{1}x + \beta_{1}y + c_{1}\overline{z} = \pm d_{1} \\ \alpha_{2}x + \beta_{2}y + c_{2}\overline{z} = \pm d_{2} \\ \alpha_{3}x + \beta_{3}y + c_{3}\overline{z} = \pm d_{3} \end{cases}$$

$$\Rightarrow V = \int dx' \int dy' \int dz' \cdot dx (J^{-1}) = \frac{2d_{1}d_{2}d_{2}}{dx + \beta_{3}y + c_{3}\overline{z}} \Rightarrow J^{-1} = \begin{vmatrix} \alpha_{1}\beta_{1} & c_{1} \\ \alpha_{2}\beta_{2} & c_{2} \\ \alpha_{3}\beta_{3} & c_{3}\beta_{4} & c_{3}\overline{z} \end{vmatrix}$$

$$\Rightarrow V = \int dx' \int dy' \int dz' \cdot dx (J^{-1}) = \frac{2d_{1}d_{2}d_{2}}{dx + \beta_{3}y + c_{3}\overline{z}}$$

T2 R?: 4x & U(x0=0) 3 weak. gudp. y(x): e3= 2+ ny+x: 4105=0.

$$F(x,y)=e^y-1-\alpha y-x \text{ uenhehulus } 6 \text{ orb. } (0,0): F(0,0)=0$$

$$\frac{\partial F}{\partial y}=e^y-\alpha \text{ uenhehulus } 6 \text{ orb. } (0,0)$$

$$\frac{\partial F}{\partial y}=e^y-\alpha \text{ uenhehulus } 6 \text{ orb. } (0,0)$$

$$7.8. \text{ Nps. } 0.7.1$$

Orbez: NERKIST

$$N4.51(1)$$
 $y=rSing, x=rGosg, u(x,y) \rightarrow u(r,g) \frac{3^2u}{0x^2} + \frac{3^2u}{0y^2} = 0$

$$X = r \cos \varphi$$
, $y = r 2 i \omega \varphi$, $U(x,y) = \widetilde{\Xi}(r(x,y), r(x,y))$

$$N_{x}^{\prime} = N_{x}^{\prime} \cdot r_{x}^{\prime} + N_{\phi} \cdot \varphi_{x}^{\prime} = N_{x}^{\prime} \cdot p_{x}^{\prime} - N_{\phi}^{\prime} \cdot \frac{p_{x}^{\prime}}{r}$$
, $N_{y}^{\prime} = N_{x}^{\prime} \cdot r_{y}^{\prime} + N_{\phi}^{\prime} \cdot \frac{p_{x}^{\prime}}{r} = N_{x}^{\prime} \cdot p_{x}^{\prime} + N_{\phi}^{\prime} \cdot \frac{p_{x}^{\prime}}{r}$

Mon bornchemm z'x, L'x, ex y duke.

ananorumo $y'_y = \frac{\cos y}{r}, v'_y = \sin y$

- Ourska Jakhusanace brom, zoo a Ouran tax:
$$4'_x = \frac{1}{x'_p}$$

$$\frac{\partial X_{5}}{\partial \Omega} = \frac{\partial X}{\partial \Gamma} \left(\frac{\partial L}{\partial \Gamma} \cdot C^{D} \nabla A - \frac{\partial A}{\partial \Gamma} \cdot \frac{L}{\partial \Gamma} \right) = \frac{\partial X}{\partial \Gamma} \left(\frac{\partial L}{\partial \Gamma} \right) C^{D} \Delta A - \frac{\partial L}{\partial \Gamma} \frac{\partial X}{\partial \Gamma} C^{D} \Delta A - \frac{\partial L}{\partial \Gamma} \frac{\partial X}{\partial \Gamma} C^{D} \Delta A - \frac{\partial L}{\partial \Gamma} \frac{\partial X}{\partial \Gamma} C^{D} \Delta A - \frac{\partial L}{\partial \Gamma} \frac{\partial X}{\partial \Gamma} C^{D} \Delta A - \frac{\partial L}{\partial \Gamma} \frac{\partial X}{\partial \Gamma} C^{D} \Delta A - \frac{\partial L}{\partial \Gamma} \frac{\partial X}{\partial \Gamma} C^{D} \Delta A - \frac{\partial L}{\partial \Gamma} \frac{\partial X}{\partial \Gamma} C^{D} \Delta A - \frac{\partial L}{\partial \Gamma} \frac{\partial X}{\partial \Gamma} C^{D} \Delta A - \frac{\partial L}{\partial \Gamma} C^{D}$$

$$-\frac{\partial h}{\partial n} \frac{L_5}{L \frac{\partial x}{\partial \phi} (2^{2}h - 7inh \frac{\partial x}{\partial \mu})} = \frac{\partial L_5}{\partial_5 \Omega} (2^{2}h + \frac{\partial L}{\partial \Omega} \frac{L}{7in_5 h} + \frac{\partial h_5}{\partial_5 \Omega} \cdot \frac{L_5}{7in_5 h} + 5 \frac{\partial h}{\partial \Omega} \frac{L_5}{7in_6 h} + 5 \frac{\partial h}{\partial \Omega} \frac{L_5}{7in_6 h} + 5 \frac{\partial h}{\partial \Omega} \frac{L_5}{7in_6 h} + 5 \frac{\partial h}{\partial \Omega} \frac{L_5}{2in_6 h} + \frac{\partial h}{\partial \Omega} \frac$$

$$\frac{\partial^{2} A}{\partial y^{2}} = \frac{\partial^{2} A}{\partial y^{2}} \left(\frac{\partial F}{\partial y^{2}} + \frac{\partial^{2} A}{\partial y^{2}} + \frac{\partial^{2} A}{\partial y^{2}} \right) = \frac{\partial^{2} A}{\partial y^{2}} \left(\frac{\partial F}{\partial y^{2}} \right) \left(\frac{\partial F}{\partial y^{2}} + \frac{\partial^{2} A}{\partial y^{2}} \right) \left(\frac{\partial F}{\partial y^{2}} + \frac{\partial^{2} A}{\partial y^{2}} \right) \left(\frac{\partial F}{\partial y^{2}} + \frac{\partial^{2} A}{\partial y^{2}} \right) \left(\frac{\partial F}{\partial y^{2}} + \frac{\partial^{2} A}{\partial y^{2}} \right) \left(\frac{\partial F}{\partial y^{2}} + \frac{\partial^{2} A}{\partial y^{2}} \right) \left(\frac{\partial F}{\partial y^{2}} + \frac{\partial^{2} A}{\partial y^{2}} \right) \left(\frac{\partial F}{\partial y^{2}} + \frac{\partial^{2} A}{\partial y^{2}} \right) \left(\frac{\partial F}{\partial y^{2}} + \frac{\partial^{2} A}{\partial y^{2}} \right) \left(\frac{\partial F}{\partial y^{2}} + \frac{\partial^{2} A}{\partial y^{2}} \right) \left(\frac{\partial F}{\partial y^{2}} + \frac{\partial^{2} A}{\partial y^{2}} \right) \left(\frac{\partial F}{\partial y^{2}} + \frac{\partial^{2} A}{\partial y^{2}} \right) \left(\frac{\partial F}{\partial y^{2}} + \frac{\partial^{2} A}{\partial y^{2}} \right) \left(\frac{\partial F}{\partial y^{2}} + \frac{\partial^{2} A}{\partial y^{2}} \right) \left(\frac{\partial F}{\partial y^{2}} + \frac{\partial^{2} A}{\partial y^{2}} \right) \left(\frac{\partial F}{\partial y^{2}} + \frac{\partial^{2} A}{\partial y^{2}} \right) \left(\frac{\partial F}{\partial y^{2}} + \frac{\partial^{2} A}{\partial y^{2}} \right) \left(\frac{\partial F}{\partial y^{2}} + \frac{\partial^{2} A}{\partial y^{2}} \right) \left(\frac{\partial F}{\partial y^{2}} + \frac{\partial^{2} A}{\partial y^{2}} \right) \left(\frac{\partial F}{\partial y^{2}} + \frac{\partial^{2} A}{\partial y^{2}} \right) \left(\frac{\partial F}{\partial y^{2}} + \frac{\partial^{2} A}{\partial y^{2}} \right) \left(\frac{\partial F}{\partial y^{2}} + \frac{\partial^{2} A}{\partial y^{2}} \right) \left(\frac{\partial F}{\partial y^{2}} + \frac{\partial^{2} A}{\partial y^{2}} \right) \left(\frac{\partial F}{\partial y^{2}} + \frac{\partial^{2} A}{\partial y^{2}} \right) \left(\frac{\partial F}{\partial y^{2}} + \frac{\partial^{2} A}{\partial y^{2}} \right) \left(\frac{\partial F}{\partial y^{2}} + \frac{\partial^{2} A}{\partial y^{2}} \right) \left(\frac{\partial F}{\partial y^{2}} + \frac{\partial^{2} A}{\partial y^{2}} \right) \left(\frac{\partial F}{\partial y^{2}} + \frac{\partial^{2} A}{\partial y^{2}} \right) \left(\frac{\partial F}{\partial y^{2}} + \frac{\partial^{2} A}{\partial y^{2}} \right) \left(\frac{\partial F}{\partial y^{2}} + \frac{\partial^{2} A}{\partial y^{2}} \right) \left(\frac{\partial F}{\partial y^{2}} + \frac{\partial^{2} A}{\partial y^{2}} \right) \left(\frac{\partial F}{\partial y^{2}} + \frac{\partial^{2} A}{\partial y^{2}} \right) \left(\frac{\partial F}{\partial y^{2}} + \frac{\partial^{2} A}{\partial y^{2}} \right) \left(\frac{\partial F}{\partial y^{2}} + \frac{\partial^{2} A}{\partial y^{2}} \right) \left(\frac{\partial F}{\partial y^{2}} + \frac{\partial^{2} A}{\partial y^{2}} \right) \left(\frac{\partial F}{\partial y^{2}} + \frac{\partial^{2} A}{\partial y^{2}} \right) \left(\frac{\partial F}{\partial y^{2}} + \frac{\partial^{2} A}{\partial y^{2}} \right) \left(\frac{\partial F}{\partial y^{2}} + \frac{\partial^{2} A}{\partial y^{2}} \right) \left(\frac{\partial F}{\partial y^{2}} + \frac{\partial^{2} A}{\partial y^{2}} \right) \left(\frac{\partial F}{\partial y^{2}} + \frac{\partial^{2} A}{\partial y^{2}} \right) \left(\frac{\partial F}{\partial y^{2}} + \frac{\partial^{2} A}{\partial y^{2}} \right) \left(\frac{\partial F}{\partial y^{2}} + \frac{\partial^{2} A}{\partial y^{2}} \right) \left(\frac{\partial F}{\partial y^{2}} + \frac{\partial^{2} A}{\partial y^{2}} \right) \left(\frac{\partial F}{\partial y^{2}} + \frac{\partial^{2} A}{\partial y^{2}} \right)$$

$$+\frac{\partial A}{\partial n}\cdot\frac{L_5}{-2!^nA\frac{\partial A}{\partial b}L-\frac{\partial A}{\partial L}(2^2A)}=\frac{\partial L_5}{\partial n}\cdot 2!^nA^b+\frac{\partial L}{\partial n}\cdot\frac{L}{\partial n}\cdot\frac{\partial A_5}{\partial n}\cdot\frac{L_5}{\partial n}-5\frac{\partial A}{\partial n}\cdot\frac{L_5}{2!^nA(2^2A)}$$

$$\frac{\partial L_5}{\partial \zeta \Pi} + \frac{L}{\zeta} \frac{\partial L}{\partial \Omega} + \frac{L_5}{\zeta} \frac{\partial A_5}{\partial \zeta \Pi} = 0$$