$$\frac{\mathcal{X}}{\mathcal{A}} = \frac{1}{2} g_{\mu\nu} \dot{x}^{\mu} \dot{x}^{\nu} \dot{x}^{$$

$$\mathcal{A} = \frac{1}{2} \left\{ -N^2 \dot{t}^2 + \gamma_{ij} \left[\dot{x}^i \dot{x}^j + \beta^j \dot{x}^i \dot{t} + \beta^i \dot{t}^j \dot{x}^j \dot{x}^j \right] \right\}$$

$$=> \mathcal{L} = \frac{1}{2} \left[\left[-N^2 + \partial i \partial \beta^{\dagger} \right] \dot{z}^2 + \left[\partial i \partial \beta^{\dagger} \dot{z}^i + \partial i \partial \beta^i \dot{z}^i \right] \dot{z}^i \right]$$

$$= 3d = 1$$

$$2 \left[-N^2 + \lambda_{ij} \beta^{ij} \beta^{j} \right] + 2 \left\{ ij \beta^{ij} \dot{x}^{j} + \lambda_{ij} \dot{x}^{ij} \dot{x}^{i} \right\}$$

$$= \sum_{j=1}^{n} \left[\frac{1}{2} \left[-N^2 + \frac{1}{2} i \right] \beta^i \beta^j \right] + \frac{1}{2}$$

$$-\frac{\partial \mathcal{H}}{\partial i} = -\left[-N^2 + \partial_{i}g\beta^{i}\beta^{\dagger}\right]\dot{t} - \partial_{i}g\beta^{i}\dot{x}\dot{t}$$

$$= \sum E_G = \left[N^2 - \partial_{ij} \beta^{i} \beta^{j} \right] \dot{z} - \int_{ij} \beta^{i} \dot{z} \dot{z} d \qquad (3)$$

Chlierenulmente temos

$$V^{i} = \frac{1}{N} \left(\frac{\partial x^{i}}{\partial t} + \beta^{i} \right) = 5 \qquad \frac{\partial x^{i}}{\partial t} = NV^{i} - \beta^{i}$$

$$= \sum_{i=1}^{n} E_{G} = (N - \beta_{ij} \beta^{i} V f) E_{L}$$
 (3)