معادلہ ی جات

L(9;, o,9;)

حمّالي لأرازي

alchalin Sdax SL = 0

P_, 9, 89

29-> 29+ 289

دمت ليدك رور 8 ناريام مارما ستولا.

 $\int d^4x \left(\frac{\partial L}{\partial q_i} \delta q_i + \frac{\partial L}{\partial \chi q_i} \delta_{\mu} \delta_{\mu}^{\mu} \delta_{\mu}^{\mu} \right)$ - or of 86:

 $= \int_{0}^{4} \int_{0}^{4} \left(\frac{3}{3} \int_{0}^{4} - \frac{3}{3} \int_{0}^{4} \int$ می حواهم برازی هر وردش دلخواه ، ۶۹ این خط بروارات دجالت کی 89 ی تولد سکی دلخاه قصا _ زمان دائے ایک

 $\frac{\partial L}{\partial \varphi} = \frac{\partial L}{\partial \varphi} = 0$

اد مرین حالت : میان اکار هعنی م یا لاراری زیر

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$$\int d^{4}x \, d$$

$$\int d + x \, d + x \, d + x \, d = x \, d =$$

 $\partial J^r = 0 \qquad \int_{\partial A^r} \int_{\partial A^r} \delta \varphi_{i} - K^r$

(2) J d X

$$\frac{\partial \mathcal{L}}{\partial t} = 0$$

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$$L = \sum_{i} (\gamma_{i} \gamma_{i})^{\dagger} \delta \gamma_{i} - V(\gamma_{i})$$

$$L = \sum_{i} (\gamma_{i} \gamma_{i})^{\dagger} \delta \gamma_{i}$$

Quantization

$$\frac{dQ}{dt} = 0 \qquad \Rightarrow \qquad [Q,H] = 0$$

$$P = \int \frac{d^{3}p}{(2\pi)^{3}} \frac{1}{\sqrt{2\omega_{p}}} \left(\alpha_{p} e^{ip \cdot X} + \alpha_{p} e^{-ip \cdot X} \right)$$

$$\omega_{p} = \int |p|^{2} + m^{2}$$

$$\alpha_{p} \neq \alpha_{p}^{c}$$

$$\varphi^{+} = \int \frac{d^{3} P}{(2\pi)^{3}} \frac{\alpha_{P}}{J \omega_{P}} e^{iP \cdot X}$$

$$\varphi^{-} = \int \frac{d^{3} P}{(2\pi)^{3}} \frac{\alpha_{P}^{c} + e^{iP \cdot X}}{J \omega_{P}}$$

$$\varphi^{-} = \frac{\varphi^{+} \varphi^{-}}{(2\pi)^{3}} \frac{\alpha_{P}^{c} + e^{iP \cdot X}}{J \omega_{P}}$$

$$\varphi^{+} = \frac{\varphi^{+} \varphi^{-}}{(2\pi)^{3}} \frac{\alpha_{P}^{c} + e^{iP \cdot X}}{J \omega_{P}}$$

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$$\varphi^{-} = \frac{\varphi^{+} \varphi^{-}}{(2\pi)^{3}} \frac{\alpha_{P}^{c} + e^{iP \cdot X}}{J \omega_{P}}$$

$$\varphi^{-} = \frac{\varphi^{+} \varphi^{-}}{J \omega_{P}}$$

$$\varphi^{-} = \frac{\varphi^{-} \varphi^{-}}{J \omega_{P}}$$

$$\varphi$$

$$J' = \iota \sum_{j} (\partial_{j} Y_{j}) \Psi_{j} - \Psi_{j} \partial_{j}$$

$$Q = \int_{0}^{1} \int_{0}^{1} \int_{0}^{1} \frac{\partial_{j} \partial_{j}}{\partial_{j} \partial_{j}}$$

$$Q = \int_{0}^{1} \int_{0}^{1} \frac{\partial_{j} \partial_{j}}{\partial_{j}}$$

$$Q = \int_{0}^{1} \int$$