$$|n\rangle \rightarrow f_n(x)$$
 $\langle n'|n\rangle \rightarrow \int_{-\infty}^{\infty} f_{n'}(x) f_n(x) dx$

$$\hat{\mathcal{Z}} \subseteq \dots \quad \left(\hat{a}_{+} + \hat{a}_{+}\right)$$

$$\not \mid \sim (\hat{a}_{\tau} - \hat{a}_{-})$$

$$\hat{a}_{+} \mid n \rangle = \sqrt{n+1} \mid n+1 \rangle$$

$$\hat{a}_{-} \mid n \rangle = \sqrt{n} \mid n-1 \rangle$$

$$(n/2|n')$$
 \cdots $(n'+i)$ $+$ \cdots $(n'-i)$ $\delta_{n,n'+i}$ $\delta_{n,n'+i}$

$$V(x,t) = \sum_{n} (n \psi_{n}(x)) e^{-i\frac{E_{n}}{\hbar}t}$$

$$\langle x \rangle = \langle \psi(x,t) | \chi/\psi(x,t) \rangle$$