f a terget χ_1, χ_2, \ldots p (xly) Lo density for Xt, conditional on Xt-1 = 9 (f ve find some p(xls) s/t tis stituming out to b(x1) then woodless of how we simple X, Pt - F cs t sets loge the gestin here: her do ve find sich a tonsition keinel

=> portally onsured using the metopoks histin algorithm 1) generele a proposal h(xly) (2) a (xly)

 $a(xly) = \min(1, \frac{f(x)h(xly)}{f(x)h(xly)})$

Rendom Welk Metropolis- History 5

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$$= -\log (P_{e}(e)) \otimes kinetic$$

$$= -\log (f(x))$$

$$= \log (f(x))$$

$$P(S) = P(O)$$

$$\frac{\partial T}{\partial x} = \frac{2^{-1}P}{2^{-1}P}$$

$$(X, P) = \frac{1}{2^{-1}P} = \frac{2^{-1}P}{2^{-1}P} = \frac{2^{-1}P}{$$

$$\begin{array}{l}
C_{1/2} = C_{5} & \frac{\varepsilon}{2} & \frac{\partial V}{\partial x} & (x_{5}) \\
x_{1} = x_{0} + \varepsilon \cdot \frac{\partial T}{\partial e} & (e_{1/2}) \\
x_{2} = x_{0} + \varepsilon \cdot \frac{\partial V}{\partial e} & (e_{1/2}) \\
C_{1/2} - \varepsilon_{1/2} - \varepsilon_{1/2} & (x_{1}) \\
C_{1/2} - \varepsilon_{1/2} - \varepsilon_{1/2} & (x_{1}) \\
C_{2/2} = x_{1} + \varepsilon & \sum_{i=1}^{n-1} C_{3/2} \\
C_{2/2} = x_{1} + \varepsilon & \sum_{i=1}^{n-1} C_{3/2}
\end{array}$$

$$a(x_{\nu}|x_{o}) = min(1, exp(H(x_{o}, 9_{o}))$$

- $H(x_{\nu}, 9_{\nu}))$