$$|f(P \in A)| = \frac{S_A}{S_{\text{mprise}}} = \frac{S_A}{1}$$

$$f_{X_i}(t) = |P(X_i \le t)| = \frac{S_A}{S_{ABC}} = \frac{S_A}{S_{ABC}}$$

$$=\left(\frac{\epsilon}{h}\right)^2 \qquad \epsilon \in [0,h]$$

=>
$$\int_{X_1}^{X_1} (t) = \frac{2t}{h^2} \int_{X_2}^{X_1} (t) = \int_{X_1}^{X_2} (t) \int_{X_2}^{X_1} (t) \int_{X_2}^{X_2} dt = \int_{X_1}^{X_2} \int_{X_2}^{X_1} (t) \int_{X_2}^{X_2} dt = \int_{X_1}^{X_2} \int_{X_2}^{X_1} (t) \int_{X_2}^{X_2} dt = \int_{X_1}^{X_2} \int_{X_2}^{X_2} \int_{X_2}^{X_2}$$

$$F(V_{i} = c) = \frac{c}{1} = f(c) = 1$$

$$= f(V_{i} = c) = \frac{1}{2} = f(x-1)c(x)$$

 $F_{x}^{-1}(\text{huf}[0,1]) \stackrel{d}{=} X$

$$|P(f_{x}^{-1}(u) \leq t)| = |P(f_{x}(f_{x}^{-1}(u)) \leq t)| = |P(u \leq f_{x}(t))| = F_{x}(t)|$$
 $|F(u)| \leq t$

1) Varupane Fx

2) Hanispane Fx-L

3/ Curupupane 4, 42, 45, 4e -- ~ Christ 10, 1/

4) Fx-1(U1), Fx-1(4e) -- = any superior X

inverse transform sampling