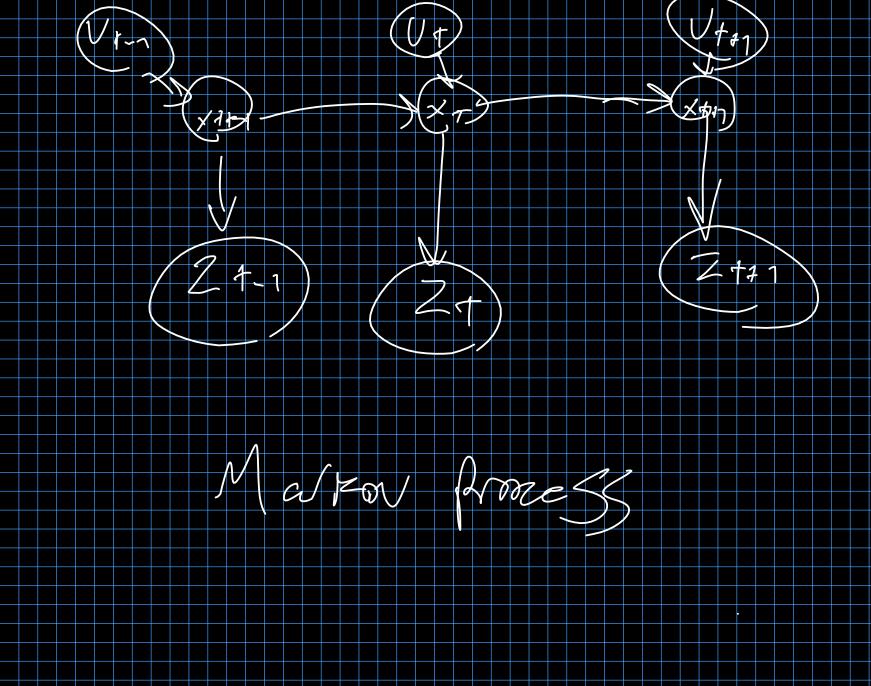
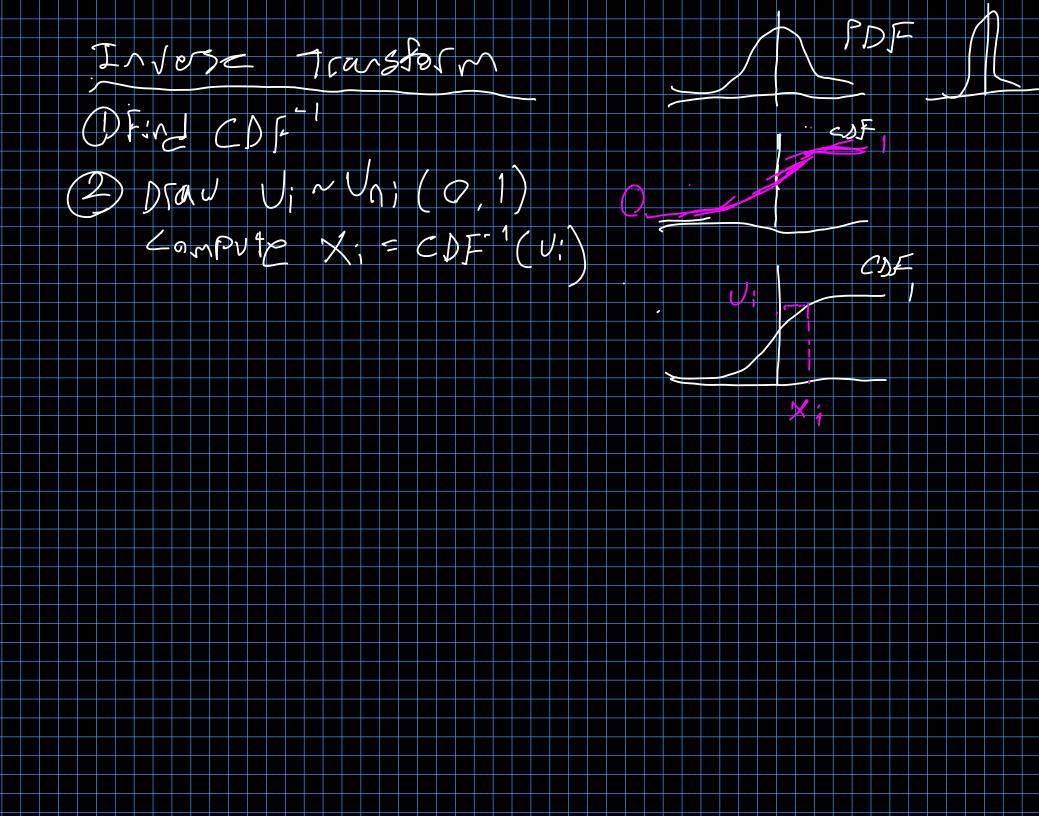
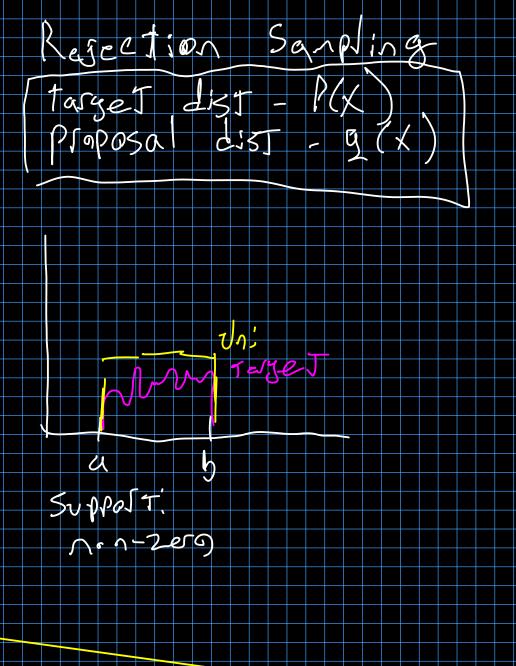
Senzos Mg de 0 a de  $\mathbb{Q}$ Digot Stat



Bel(X) = P(X+1U1,2,,....U+, Z+) = n P(z+1x+, Jt, z, 1 , - V+) P(x+) V1 z1 - V+ A-P(21)

Particle: sample of 1/34 Merson





Setupi Choose M>1 5.5 M 2(x) 7P(x) over Suppost (P(x))

Deample X; ~ E(X)
Ui ~ Uni(0,1)

2) If U: Mg(x,) < P(x;); Accept X; Else lescot => 1)

Inputance sempling:

[EXT = 
$$S \times P(x) dx = 7 E p E \times 7$$
];

$$E P(F(x)) = SF(x) P(x) dx$$

$$= SF(x) P(x) P(x) dx$$

$$= SF(x) P(x) P(x) dx$$

$$= SF(x) P(x) P(x) P(x)$$

$$= SF(x) P(x)$$

$$= S$$