we have U(o,1). & we have to get x ~ F(x) F(x) = P(x < x) let toansform(U) be a transforman such that transform (v) = X : F(x)=P(x = x)= = 1 = P(transform(U) < x) The transform function has to be montonic j'ncreasing, so F(x) = P(v < transform (x)) * By uniform distribution, (1) (4) = in (U < 4) = 4 : Fx(x) = transform (x) = m (00) + toan stoom (x) = {x (x) 300} when x+ [oil .. We know fx 1/we gan find its inverse function.