

	V \
	Biramid (n, p) = \(\overline{Bern(p)} \)
	We know how to generate UN Uniform [0,1]
	Random Variable X -> Real Valued
	gacified by a distribution function
	gracified by a distribution function $F: \mathbb{R} \longrightarrow [0, 1]$
20.2	ر المر
Peco	$F(x) \triangleq P(X \leq x) \subseteq DF$
	Eg X~ onif (0,1) F(nc)
	G(x) = 0 x < 0
	$F(x) = 0 x < 0$ $= x 0 \le x \le 1$
	=1)(>1
	O 11 . I T to a form
	of the do I general samples from an
	9 How do I generate Samples from an arbitrary dishibution F(.)?
	(I know how to generate Uniform [0,1])
	(North TC) in Otic Haring and
	(Assume F(-) is strictly increasing)
	float Unif = rand() RAND_MAX;
	0 , , , , , , , , , , , , , , , , , , ,
	Ans I (unit) = in listilate & according
	Ans F (unit) = is dishibuted according to F().
	to F().
	co0

