	Conclitie	ning	& Inde	ependen	ce	
1. Condition						
	reto: Suppose	e x and	Y avre clis	creto wit	th joint	probability
-2	x14 (x14) = PC					
					(K=3	
	la = Y = b 12					
		= Z	$x \le y \le b \ P \times 120$ $x \le y \le b \ P(x = x)$ $x \le y \le b \ P(x = x)$ $x \le y \le b \ P(x = x)$	, Y= y). =x)·		
		= [0	PLX=X).	•		
2) Pan 7	timume: Su	nata V	and Y have	Dougita	Luction	fx x (x 21)
	tinuous: Sy D(a < Y < b				y unccess.	JN. 1 CM, 95.
		= 5	of $\frac{1}{2}(x)$	dy_		
e.g.	$f_{x,Y}(x,y) = \frac{1}{3}$	$\frac{1}{2}$ $\chi \gamma^2$ . $0 \le \frac{1}{2}$	y < x < 2; P	CO = Y = 117	$\zeta = \frac{3}{3} $ $) = ?$	
	Step 1: Get	$7 \times (x)$	Using marg	inal.		
	Step 2. get		<b>,</b>			
	fx.Y Cx.y	) = 32	x y 2 = =	3x-3y2"		
		3-				
	Step 3: Use	olofini-	from subobit $= \int_0^1 3 \cdot \left(\frac{3}{3}\right)$	tute 8.	- 8 .	
	16 22	9 66 9		7 3		
2. Independ	levee.					
1> Gener						
	CXeB. YeC		<b>'</b>	D		
Ø · †	x,y(x,y) = f	x(x) fyli	J.,			

2) Discribe: e.g.B, C are interval, e.g. B=C-os. 8]. C= I-os. y]  $P(\chi \leq_{\chi}, \chi \leq_{\chi}) = P(\chi \leq_{\chi}) \cdot P(\chi \leq_{\chi}) \cdot \gamma \cdot e$ 7xx(x,y) = 7x(x) 7x(y).  $p_{x,Y}(x,y) = p_{x}(x) - p_{Y}(y)$ D. Paix(x14) = P(x=x). 3 Prix (y1x) = P(x=y). 3). Continuous.  $\mathcal{O} \cdot f_{x}, x(x,y) = f_{x}(x) \cdot f_{x}(y)$ @frix (y1x) = fr(y).