	Maire Bay	es' Clo	wifie		
	· ·				
X	For theory	Sides	tentbook.		
	V				
En:1	Refer tent	book			
Ex : 3	I can theft				
-	Dataset				
				0.1	
Ex. No.	Color	Type	Origin Domestic	Stoler?	
	Red	Sports		Yes	
Z	Red	Sports	Donute	Νo	
3	Red	Sports	Donustic	Yes	
4	Yellow	Sports	Donutic	No	
5	Yellow	Sports	Imported	Yes	
6	Yellow	SUV	Imported	No	
4	Yellow	SUV	Imported	Yes	
8	Yellow	SUV	Donutic		
9	Rd	SUV	Imported		
10	Red	Sports	Imported	Yes	
			1	LRID, SU	V. Donisky
	Find the l'	ikelihood	/ probability	Ped, Su	ustic, SUV
-	being stoles	¥ ,	, <u> </u>	V	
O10		1 1 1			
John :-	Peor prob	abilities	I		
	Peior prob	5 =	O.S Pul	en stolen idun	\sim
)	
	P(No) =	5 2 (), \(\)		

Constitional probabilities To find 2/5 -> Refer Color & Stolen Column Color Yes_ 3/5 Red Yellow 2/5 Yes No 415 2/5 -> Refer Type & Stoles Column 1/5 3/5 Type | Origin Yus No Domester 2/5 3/5 -> Refer Origin of Stoken Column Imported 3/5 2/5 Imported New instance to be classified = LRed, SUV, Domustic) P(Yes | New Anstance) = P(Yes). P(Red | Yes). P(SUV | Yes). P(Domestic | Yes) = 0.2 X 3 X - F X 5 P(Yes New Intane) = 0.024 Similarly, P(No/New Instanu)=P(No).P(Red/No).P(suv/No).P(Domestic/No) 0.2 × 3 × 3 × 3 P(No | New Antanu) = 0.072 Since P(No/New Antance) > P(Yes/New Antance), the new instance can be classified as No.
i.e Red, SUV, Domestic ex not stoken