Rica Mae din C. Calugtong Elective 2 BSIT 3-5 ficaracy DATASET: Number Brand Color Time Stolen / Not Nool BMW Black Night Yes N002 Audi Black Night No N003 Nissan Red Night Yes N 004 Vega Blue Day Yes N005 Day BMW Black No NOOG Audi Black Day Yes N007 Vega Red Night No Noos Audi Blue Day Yes Noog Vega Black Day Yes No 10 Blue Nissan Day No BMW NOIL Black Night Yes Nissan Red N012 No Day N013 Vega Black Yes Night N014 BMW Red No Day NO15 Audi Black Yes Day NO16 Audi Blue Night Yes NOIT Audi Red Day No N018 Nissan Black Day Yes NO19 BMW Blue Yes Day N020 BMW Red Night Yes

	P(Brand = 0)		= b)					-	1		
	Brand	Yes		No	,		Al	1			
		4 0.		2	0	. 29	6	-	.3		
	Audi	4 0.	31	2	0	.29	6	0	.3		
	Nissan	2 0.	15	2		1.29	4	-	2		
	Vega .	3 0.	23		0).14	4	0	2		
BMW Yes						D Mul	1 No				
	1 1/12	1 0 21	1 10	p 1.	7		-		- 1-		0.20
P(BMWlyes)	4/13	0.31		Brand is			NW INO)	2/7		0.29	
P (Yes) P (BMW)	6/20	0.65	-	BMW, it P(No) will be P(BMW)			7/20 6/20		0.33		
P (Yes BMW)	(0.31 × 0.65)/0.3		will be				olbMW)	(0.29 × 0.35) (0.3			
(18) DITW)	1 (0.31 × 0.65)10.3	10.01	1	stolen		Tren	DIDMW)		[(0.74 × 0.33	114.5	0.55
Audi Yes						Audi	l No				
(AudilYes)	4/13	If Brand is			P(Audi INO)			2/7		0.29	
(Yes)	13/20	0.65	Audi, it			P (No)			7/20		0.35
(Audi)	6/20	0.3		will be		P (A	udi)	G/20		0.3	
(Yes Audi)	(0.31×0.65)/0.3	0.67		stolen		P (N	lo l Audi)		(0.29 × 0.35)	10.3	0.33
lissan Yes						Nisso	in 1 No	P. Co			
(Nissan I Yes)	2/13	0-15	If	If Brand is		P(Nissan No)			2/7		0.29
(Yes)	13/20	0.65	Nissan, it will		P(No)			7/20		0.35	
(Nissan)	4/20	0.2	be either stolen			P(Nissan)			4/20		0.2
(Yes Nissan)	(0.15 × 0.65) 10.2	0.50		or not P(NolNissan)				n)	(0.29 × 0.35)/	0.2	0.50
Vega Yes						Vega	1 No				
(Vegal Yes)	3/13	0.23	1f 1	Brand is		P (Ve	ega 1 No)		1/7		0.14
(Yes)	13/20	0.65	Veo	ja, it wil	11	P (No)		7/20		0.35
(Vega)	4/20	0.2	Maria de la constante de la co	be stolen		P (Ve	ga)		4/20	-	0.2
P (Yes Vega)	(0.23 × 0.65)/0.2	0.75				The Paris	lo I Vega)		(0.08× 0.35))/0.2	0.25
										-	iang .

	Color	Ye	S	Ne	,	A		11	19	
	Black	8	0.62		0.	14	9	0.4	5	
	Red	2	0.15	4	0.	57	6	0.3	3	
	Blue	3	0.23	2	0.	29	5	0.2	5	
Black Yes						Black	No			
P(Black Yes)	8/13	0.6	52	If Color is		P(Black No)			1/7	0-14
P (Yes)	13/20	0.65		Black, it		P(No)			7/20	0-35
P (Black)	9/20	0.4		will be		P(Black)			9/20	0-45
P (Yes Black)	(0.62 × 0.65)/0.	45 0.9	89	stolen		P(Nol Black)		()	(0-14 × 0-35)/0-45	0-11
Red Yes		-				Red				
P (Red 1 Yes)	2/13	0.	1	If Color is			ed No)		4/7	0-5
P (Yes)	13/20	0.6	65	Red, it		P (N	0)		7/20	0.35
P (Red)	6/20	0.	3	will not be		P (Red)			6/20	0.3
P (Yes Red)	(0.15 × 0.65)/0.	3 0.3	33	stolen		PIN	lo Red)		(0.57×-35)/0-3	0.67
5000										
Blue Yes						Blue				
P(Blue Yes)	3/13	0.2	13	If Color is		100	lue No)		2/7	0.20
P(Yes)	13/20	0.6	5	Blue, it		P(No)			7/20	0-35
P (Blue)	5/20	0.2	25	will be		P(Blve)			5/20	0.25
P (Yes Blue)	(0.23 × 0.65)/0.2	5 0.6	60	stolen		PIN	ol Blue)		(0.29 × 0.35)/0.25	0-40

						-						
	Time	Yes			No			- All				
	Night	6	0.	46	2	0	29	8	0	4		
	Day	7	0.1	54	5	0.	71	12	0	6		
												2034
Night Yes	1	i		1		1	Night	1 No	4			
P (Night 1 Yes)	6/13		46	If:	time is		P (Ni	ght No)		2/7	0.29
P (Yes)	13/20		65	Nic	ght, it		P(No)		7/20		0-35
P (Night)	8/20	-	.4	W	ill be		P(Nie	ght)	1		3/20	0.4
P (Yes Night)	(0.46 × 0.65)/o.	4 10.	75		stolen		P(No	ol Night)		(0.29:	×0.35)/0.4	0.25
Day I Yes		1						1 No				
P (Day I Yes)	7/13	100	52	If time is			P (Day I No)			-	5/7	0.71
P (Yes)	13/20		65	D	ay, it		P (No			7/20		0-35
P (Day)	12/20		.6	TO SHOOT	vill be	100	P(Day)			12/20		0.6
P (Yes 1 Day)	1(0.52×0.65)/0	6 0.	58		stolen		P (No	ol Day)		(0-71×	0-35)/0-6	0.42
	-			-								
		-1										
Programme of the second												
											Pies	maj

Please calcul	ate the ff:			
	Brand	Color	Time	Stolen / Not
	BMW	Black	Day	Yes
P(Yes)	0.67	0.89	0.58	0.53
P(No)	0 - 33	0.11	0.42	0.04
	Vega	Blue	Night	Yes
P (Yes)	0.75	0.6	0.75	0-52
P(No)	0.25	0.4	0.25	F0-0
	Nissan	Blue	Day	Yes
P (yes)	0.50	0.6	0.58	0-27
(No)	0.50	0.4	0-42	0-24
	Audi	Red	Night	Yes
P(Yes)	0.67	0.33	0.75	0-26
P(No)	0.33	F3·0	0.25	0-16
	Nissan	Red	Night	No
P(Yes)	0.50	0.33	0.75	0.19
P(N6)	0.50	0.67	0.25	0-24

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