



				ayes Equation to final
		se Noi	UPX B	9-71
	O	posterior	manh a	bility for EUT
	1	posterior		
	X 33	41/	14	highest postessor
	• 7	he Cass	D100	highest posterios 1 be consisiolered as
	1	10 bas 111 19		
	(output.	n 3781	
		turn miles		
Ext		Heather	Play	La Noive Lance
		Sunny	NO	
- 14 C 16 O 15		over last	408	
		and the second s	403	379 = (31111)
		Rainy	Yes	Children of the same
	A Partie	Sunny	7 es	
		sunny		P(c/x) = 5 = 5 = 19 = 1
NAME OF THE PARTY		over Cast	403	
		Rainy	NO	
		Roiny	NO	
and the same of th	03	sunny	y es	244 F1 - 14 F2 FE
		Rouny	-4 ls	decta it is 11 4
		Sunny	NO	date that most
		over cast	Yes	
		OverCast	403	Maria Provider of marial 13
	34	Rainy	NO	
		- C	,,,,,,	
			Ag . Ad	
		Total:-14	THE CALL	88019 15011 F 1974
		rewrds		
		ribe order	(in the state of t	er service e (1991 e e
9	I,	e weath	er 13	Sunny can child play
		Cricket	@ not.	
			01/11/08.	
31/3		The second second		
		1. 2. 2.	th m	A TONGER OF THE STATE OF THE ST
	2. 10x			
3) 14 4	As an		1.	

solution:

8tep1: frequency table.

Neath er	403	~0
sunny	3	2
roung	2	3
over cost	4	0

Step Di- Create likelihood table

Ty.	weather	403	0/2	
	34.707	1 400	<i>~</i> 0	
	Sunny	3	2	P(8unny) = 5/14
	Ç 7-			7/14
	roung	2	3	P(rainy) = 5/14
.0.	2 (M/3)	(3/5)		P(NO BUNNER)
	over ast	1 7	0	P(over(ast) = 4/14
	Viel's	1		
		Pcyes)	P(~0)	
0	Salver Co	9	5	Directing.
	Part of the second	114	14	is yis 4th

step 3: use Naiver Boyes Equation

$$P(c/x) = P(x/c), P(c)$$

P (4 es/8 un ny) = P (sunny/4es) P (4es)
P (sunny.

[2->p(sunny/yes)] = no of yes in sunny = 3 Total num ber of 9.

