Vaive Bayes Hw

Size (B,S)	Color (R.G.B)	Output (PGN)	
B	R'	P	P = 1
Š.	13 -	P	SB = P SBP
S	B	N	SD = W
3	R	W	
B	B	P	
B	6	W	
5	ß.	P -	

me	P - "	N
3	. 5	. 617
	. 5	133

PI	N	Total
n	3	7
.57	1.43	1.00

1	P	N
2	. 25	- 33
	0	133
3/	.75	.33

999999999999999999999999

1

2) (Small, Blue) - Producted class is P Since . 214 7.047

P(P|Small Blue) . P(P|Small) xP(P|Dlue) .P(P) .S x .75 x . S7 = .214 = 21.406 P(N | Small , Blue) = P(N | Small) x P(N | Small) x P(N) .83 x .33 x .43 = .047 4.7%

3 Spell, Blue examples (D) (N)
Bayes values. 244, 547) \$(5,B). 214+.047=261 Wormalized outputs. 219 = 8/99 .047 = .1800