	CSK		Vaive Baye
toss	venue	Outlook	Result
won	Mumbai	Overcast	Mon
lost	Chennai	Sunny	Won
won	Kolkata	Sunny	Won
Won	Chennai	Sunny	Wan
lost	Mumbai	Sunny	Lost
Won	Chennai	Overlant	Lost
Won	Kolkada	Overcast	Lost
Won	Mumbai	Sunny	Won

{ lost, Mumbai, Sunny}

We can write { 1037 n Mumbain Sunny}
assume that it is C

Mow, we will tind,  $\rho(w|c)$   $\rho(L|c)$ 

It the	P(NIC) is	5 greate	n than
	c) then		
the w	ill win An	e match	

Now,
according to Bayes theorem,  $P(VIC) = \frac{P(CIW)P(W)}{P(C)}$  P(CIW)P(W)Same

 $P(L|C) = \frac{P(C|L)P(L)}{P(C)}$  some

nemove that

from chart.

$$P(W) = \frac{5}{8}$$

$$P(L) = \frac{3}{8}$$

Now how we can find P(CIV)

There is no such event. So, we will simplify it to.

P(10st, mumbai, sunny | w) P(w) 2

P(10st | w) P(mumbai | w) P(surmy tw)

P(w)

3 5 4 35 4 4 5 x 5