0 2				
Quis2		wite	Black	
Total Balls in Rog 1 = 10	Bay 1	٩	6	
Total Balls in lag2 = 7	Bagz	Ч	3	
P (Drawing ball from Bag 1) = 1/2 = P(b1)				
P("" Bag2) = 1/2 = P(b2)				
P (Drawing black bout from Bag 1) = P (b b1) = 6/10				
P(" " " Rag 2) = P(b b2) = 3/7				
Pl Black ball was drawn from 61) =				
P(P1/P) = b(P(P1) * b(P)				
P(b b1)* P(b1) + P(b	162) * P	(62)		
$= \frac{6}{10} \times \frac{1}{2}$ $= \frac{6}{10} \times \frac{1}{2} + \frac{3}{7} \times \frac{1}{2}$	5 .3			
	3 +	3 = 0	.28 33	
$\frac{6}{10}$ x $\frac{1}{2}$ + $\frac{2}{7}$ x $\frac{1}{2}$	10	14		
<u>Ans</u> 0.5833				
The state of the s				

when file is	
Pw 3	************
212	***********
P(t) = P(man speak Truth) = 2/3	***********
a state does not speak truth) -	*************
P(A)= P(4 appears, it man speaks truth) = 1/6 P(A)= P(4 appears, it man speaks truth) = 1/1/6=5/	L
P(A)= P(4 appears, 17 mon spears) = 1-1/6=5/P(N)= P(4 appears, 17 mon doesn't speak truth) = 1-1/6=5/	************

P(man speak truth, if 4 appears) = ?	************

= P(t) * P(A)	***********
(P(+) * P(A)) + (p(n+) * P(A))	************

= 2/3 * 1/6	######################################
$\frac{2}{3} \times \frac{1}{5} + \frac{1}{3} \times \frac{S}{5}$	
3 6 3 6	
= 0.2857	
Amy 0.2857	