,	
থি	E, → diagnosed correctly
7	E, → diagnosed correctly E, → not diagnosed correctly B → death
	B > death
	P(E) = 0.6 P(E) = 0.4
	P(B E1) = 0.4 P(B E2) = 0.7
	P(E, B) = P(E, P(B E,)
	P(E,) P(B E,) + P(E2) P(B E2)
	= 0.6 x 0.4 = 6
	6.6x 6.4 + 6.4 x 0.7 0.24 + 6.28 13/
3	P(A) = 4/9 $P(B) = 2/9$ $P(C) = 3/9$
	= 1/3
	X -> bonus scheme introduced
	P(X A) = 0.3 $P(X B) = 0.7$ $P(X C) = 0.8$
	P(A x) = P(A)P(x A)
	$\frac{P(A)P(X A)+P(B)P(X B)}{+P(c)P(X C)}$
	+ P(c) P(x1c)
	$= \frac{4}{9} \times \frac{3}{10} = 0.23$
	4/9 x 3/10 + 2/9 x 70 + 3/10

41	
-3-	$A \rightarrow ucc$
	M→ white
	W -> White
	P(A) = P(B) = P(C) = 1
	$P(H) = P(B) = P(C) = \frac{1}{2}$
==	$\mathcal{P}(1,1,1,1) = 0$
	P(W A) = 2 $P(W B) = 4$ $P(W C) = 3$
-=	
	P(AIW) = P(A)P(WIA)
	P(A)P(WIA) + P(B)P(WIB)+P(C)P(WID)
	$=$ $\frac{1}{2} \times \frac{2}{5}$
	$\frac{1}{3} \times \frac{2}{5} + \frac{1}{3} \times \frac{3}{5} + \frac{1}{3} \times \frac{3}{7}$
	= 0.4 = [0.25]
	0.4 + 0.8 + 0.43
77	
7	$B_1 \rightarrow Box 1$ $B_2 \rightarrow Box 2$
	D, - first chosen bulb & defective
	Da => second chosen bulb defective
	D, → first chosen bulb \$ defective D, → second chosen bulb defective X → both bulbs defective.
	$P(B_1) = P(B_2) = 1$
	2

11 111 20 B, (XIB, 0.00619 9 0) 10 Teacher's Sign.: _

i.	= 19 AS 1 19 = 19
No.	
	19 25 7 1 459 9 19+81
	100 10 100 10
1	= 0.19
ſ	
6	(-> has cancer P(c) = 000)
	P → positive result
\$	
	p(p/1c) = 0.1
	P (P/C1) = 0.65
) 	
	P(c1) = 0.93
	P(P1 C1) = 0.95
2. 2.	p (C/p1) = p(p1/c)p(c)
5	P(p' c')P(c)+P(p' c)P(c)
	$= 0.01 \times 0.07$
	0.95× 0.93 + 0.1×0.07
	0.1240 (3.101400)
li,	= 0.0079
	- [0.00/1]
聯. 数:	
EA EE	
	
	
1	
denom	