	•
0	A -> manufactured by A
	B- manufactured by B
_	C -> manufactured by C
	D -> defective
	$P(A) = 1 \qquad P(B) = 1 \qquad P(C) = 1$
	2 4 4
	P(0/A) = 0.02
	P(01B) = 0.02
	P(p(c) = 0.04
	=
	P(D) = P(A) P(DIA) + P(B) P(DIB) +P(C)P(DIC)
	= 1 x 0.02 + 1 x 0.04
	= 0.025
3)	A, -> selection of a male
	· A2 -> selection of a female
	$P(A_1) = P(A_2) = 1/2$
	$P(A_1) = P(A_2) = 1/2$
	A -> selection of color-blind person
	A SCIECTION OF COLOR SUNDA DEISON
	P(A) = 5 = 1
	(A) (DO 20
	=
	P(A) = 25 2
ındara m	A2 (0000 400 Teacher's Sign.:
	leacher's sign.:

 $P(A/A_1) \cdot P(A_1) + P(A/A_2) \cdot P(A_2)$ 1/20 × 1/2 20 21 B2 -> Bag P(B,) P(R|B,) + P(B2) P(R|B2

4)	B, -> 5 red, & black B, -> 7 red, 10 black
	By -> 7 red, 10 black
	$P(R)B_1) = 5/13 P(R B_2) = 7/17$
	V(0) = V(0) = 1
	$P(B_1) = P(B_2) = \frac{1}{2}$
7	
	P(R) = P(B,) P(R B,) + P(B2) P(R B2)
	1 (0) 1 (10 (0))
	$\frac{1}{2} \times \frac{5}{13} + \frac{1}{2} \times \frac{7}{17}$
	2 13 2 17
	,
	= [0.4]
6号)	X -> studied for enam
	y → did not study for enam A → passed
	n - passea
	$P(A X) = 0.9 \qquad P(A Y) = 0.2$
	P(X) = 0.75 $P(Y) = 0.25$
	P(X A)=?
	P(X A) = P(A X)P(X)
	P(A(x))P(x)+P(A(y))P(y)
	T A A A A 75
	$= 0.9 \times 0.75$ $= 0.45 = 0.9$ $0.9 \times 0.75 + 0.2 \times 0.25$ $0.45 + 0.05$
	0.1/0.13 4 0.2 x 0.2 y

5)	A, A2, A3, A4 -> candidates
	B, B, B, By project approval chance
	d each
	B → project approval.
	P(B) = P(A,) P(B,) + P(A,) P(B2) + P(A3) P(B3)
	+ P(A4) P(B4)
	= ~2 ~ ~25 \ ~2 \ ~95 \ 6.4 \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \
	= 0.3 x 0.35 + 0.2 x 0.85 + 6.4 x 0.45 + 0.1 x 0.15
	+ 0·(x 0·(s
-	= 0.105 + 0.17 + 0.18 + 0.015
	= [0,47]
	ζ,
	-G
	=
	-