Catall 33 of Carl Lass	
Bai z : DMC	V .
b/\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	
P= 0,65 0,15 a; P(x) = 1/5.	
0,17 6 0,57	A Property
	1 19 00 al 188
a) a=?	J.
Sp(yelxx) = 11	+ 1:+ 199 (-
1	
P(y1 x4) + P(y1x4) + P(y3/x4)  -> 0,65 + 0,15 + à = 1	= 1
0,65 + 0,15 + a =1	(
=> a= 0/2 = 1/5	
	5' (3 .
1 = ? (yex) = 1	- 1/1 0 = by
=> P(4x(x2) + P(42 x2) + P(43 x2)	) =1
$\frac{0,17+5+0,57=1}{50=0,26}$	. b /
S= 13/50 = 1726	
b) ((X2) = /	
$\sum_{k=1}^{2} P(x_{k}) = 1 = P(x_{k}) + P(x_{k}) = 1$	
$\frac{\sum P(x_k) = 1}{k} = \frac{P(x_1) + P(x_2) = 1}{k}$	Ţ.
$\frac{1}{5} + \frac{1}{5} = 0$	
e) $P(x_1, y_1) = ?$	
$P(x_k, y_k) = P(x_k) \cdot P(y_k x_k) = P(y_k) \cdot P(y_k x_k)$	( ). \
	ke ye
$P(x_1, y_1) = P(x_1) \cdot P(y_1 x_1) = 1/5 \cdot 0/65 = 0/13$	,
P(x2) 31) = P(x2) - P(y1) x2) = 45 · 0/17 = 17/	· · ·
(701)	(25
$P(x_1, y_2) = P(x_1) \cdot P(x_1) = 1/5 \cdot 0.15 = 0.03$	
$P(x_1, y_2) = P(x_1) \cdot P(x_1 x_1) = 1/5 \cdot 0/15 = 0/03$ $P(x_2, y_2) = P(x_3) \cdot P(y_1 x_2) = 1/5 \cdot 1/3/50 = 26/4$	35
$\frac{P(x_1, y_3)}{P(x_2, y_3)} = \frac{P(x_2)}{P(y_3)} = \frac{1}{5} \cdot \frac{1}{5} \cdot \frac{1}{5} = \frac{57}{125}$	
P(my y) = P(m) . P(y   m) - 4- 0157 = 57/10	- 1
1 43/	

Date: No: Bai 1 0,65 41/240 199/240 -a 5/12 Playlye Plye 1/4.0165 roa. 13/80 36-13/80) PYAKE P(xz). P(y1) a. P(1/ 1/3) P(y/1) KLOMG

$$\frac{P(x_1|y_2) - P(x_1) \cdot P(y_2|x_1)}{P(y_2)} = \frac{1/4 \cdot 0.35}{41/240}$$

$$\frac{P(x_2|y_2) - P(x_2) \cdot P(y_2|x_2)}{P(y_2)} = \frac{1}{41/240}$$

$$\frac{P(x_3|y_3) - P(x_3) \cdot P(x_3|x_3)}{P(y_3)} - \frac{A \cdot A}{240} = \frac{5/12 \cdot 1}{199 - 2400}$$

## bai 3

Date: No:

$$\sum_{k} P(x_{k}) = ( \Rightarrow P(x_{k}) + P(x_{k}) = 1 \\
\Rightarrow P(x_{k}) = \frac{1}{3}$$

$$P(x_{k}) = ( \Rightarrow P(x_{k}) + P(x_{k}) = 1 \\
\Rightarrow P(x_{k}) = \frac{1}{3}$$

$$P(x_{k}) = P(x_{k}) P(x_{k}|x_{k}) = P(x_{k}|x_{k}) = P(x_{k}|x_{k})$$

$$P(x_{k}) = P(x_{k}) P(x_{k}|x_{k}) + P(x_{k}) P(x_{k}|x_{k})$$

$$P(x_{k}) = P(x_{k}|x_{k}) + P(x_{k}|x_{k}) + P(x_{k}|x_{k})$$

$$P(x_{k}|x_{k}) = P(x_{k}|x_{k}) + P(x_{k}|x_{k})$$

$$P(x_{k}|x_{k}) = P(x_{k}|x_{k}) + P(x_{k}|x_{k})$$

$$P(x_{k}|x_{k}) = P(x_{k}|x_{k})$$

$$P($$

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90-		_

$$P(x_1 | y_2) = P(x_1, y_2) = \frac{0,03}{119/500} = \frac{15/119}{119/500}$$

$$\frac{p(x_1|y_3)}{p(y_3)} = \frac{p(x_1,y_3)}{p(y_3)} = \frac{0.04}{6^{3/125}} = \frac{5/62}{125}$$

$$\frac{P(x_2|y_1) - \frac{P(x_2|y_2)}{P(y_1)} - \frac{18^3/500}{26/125} = \frac{68}{133}}{\frac{18^3/500}{183/500}} = \frac{68}{133}$$

$$P(x_2|y_3) = P(x_2|x_3) = \frac{57/125}{12/125} = \frac{57/62}{12/125}$$

(20) 1