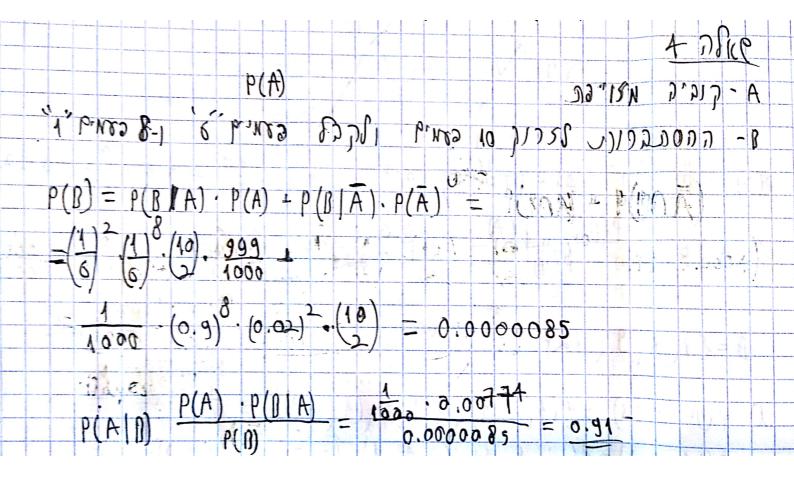


$$P(B) = P(B|A) \cdot P(A) + P(B|A) \cdot P(A) = 0.85 \cdot \frac{60}{163} = 0.223$$

$$P(A|B) = \frac{P(B|A) \cdot P(A)}{P(B)} + \frac{P(A)}{P(A)} = \frac{0.85 \cdot \frac{60}{163}}{0.223} = \frac{0.626}{0.626}$$

$$P(B) = \frac{P(B)}{P(B)} = \frac{0.85 \cdot \frac{60}{163}}{0.223} = \frac{0.626}{0.626}$$

$$P(A|X=1) = \frac{1}{16} = \frac{1}$$



						5	28166	
	E(x) = 1	CNSCUC						
Y~ G(1/2)		CNDEUR.	P1780	NOGC	unk !	X	[NO]	
	E(Y)= 3		MO, CESTER ENDOUC C. CC					
ON NE	ددر ارجا	ากอเพว	BURD	NOCC	مار	)	(0/)	
			7-1=	2 200	CN90	S	הבנו	
						1	280	

Bob:  
P(201) = 0,2  
P(hun = (1,001)) = 
$$\sqrt{2\pi}$$
 = 0.241  
P(tenp=1|20) i) = 0.241  
P(201) · P(hum = 1) 20) · (temp=1|20) ) = 0.2 · 0.241<sup>2</sup> = 0.0117  
P(201) · P(hum = 1) 20) · (temp=1|20) ) = 0.2 · 0.241<sup>2</sup> = 0.0117  
P(hum = 1|20) · P(hum = 1|20) · P(temp=1|20) = 0.289  
P(temp=1|20) · P(hum = 1|20) · P(temp=1|20) = 0.8 · 0.289<sup>2</sup>  
= 0.0668  
P(201) · P(hum = 1|20) · P(temp=1|20) = 0.0117  
P(201) · P(hum = 1|20) · P(temp=1|20) = 0.0117

P(3) (3). P(hum = 1 | 108). P(temp = 1 | 108) = 
$$\frac{0.0660}{0.0000} = 0.831$$

Alice:
$$\int_{-1}^{2} \frac{1}{2.717} \cdot \frac{1}{2.717} \cdot \frac{1}{2.222}$$
P(20) P(hum = 1, temp = 1 | 201) =  $\frac{1}{2(2\pi)^{2} \cdot 157} \cdot \frac{1}{2} \cdot \frac{1}{2$ 

$$S = \begin{pmatrix} 7 & 0.8 \\ 0.8 & 1 \end{pmatrix} \quad |S| = 0.36$$

$$(2.777 + 2.222) \qquad X = [1, 1) \quad \overline{U} = [0.2, 0.2)$$

$$S = \begin{pmatrix} 2.377 \\ 2.222 \\ 2.777 \end{pmatrix} \quad (0.8 & 0.8)$$

$$P(hum=1, temp=1, 70) \cdot k(3) = (2.7)^2 \cdot 0.36$$

$$P(2.3) \cdot P(hum=1, temp=1, 70) \cdot k(3) = (2.7)^2 \cdot 0.36$$

$$P(2.3) \cdot P(hum=1, temp=1, 70) \cdot k(3) = (2.7)^2 \cdot 0.36$$

$$P(hum=1, temp=1, 70) \cdot P(hum=1, temp=1, 70) = (2.7)^2 \cdot 0.000 = (2.7)^2 \cdot 0.000$$

$$P(hum=1, temp=1, 70) \cdot k(3) = (2.7)^2 \cdot 0.000 = (2.7)^2 \cdot 0.000$$

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$$P(hum=1, temp=1, 70) \cdot k(3) = (2.7)^2 \cdot 0.000$$

$$P(TRUE) = \frac{1}{10}$$

$$P(Mex|T) = \frac{3}{10} + \frac{1}{10} = \frac{1}{10}$$

$$P(S_{1}|T) = \frac{1}{10} = \frac{1}{10} = \frac{1}{10}$$

$$P(F_{1}|T) = \frac{1}{10} = \frac{1}{10} = \frac{1}{10}$$

$$P(S_{1}|T) = \frac{1}{10} = \frac$$

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(b) p(F1sp, st, Ind) = 10 2 9 8 = 24	
$P(T Sp,St,Ind) = \frac{1}{10} \cdot \frac{1}{2} \cdot \frac{1}{4} \cdot \frac{1}{3} = \frac{1}{105}$	7
	PINJ 1
$P(F Sp, St, Ind) = \frac{1}{24} : (\frac{1}{24} + \frac{1}{105}) = \frac{35}{843}$ $P(T Sp, St, Ind) = \frac{1}{105} : (\frac{1}{24} + \frac{1}{105}) = \frac{35}{43}$	
P(TISP, St, Ind) = 105; (24-105) = 4-3	
בעסריבנום לרונובנ ניורע המול ,וער מאגל שנירנדו	128
שיידל צו להמזיך אין המנה הצאת.	1281
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