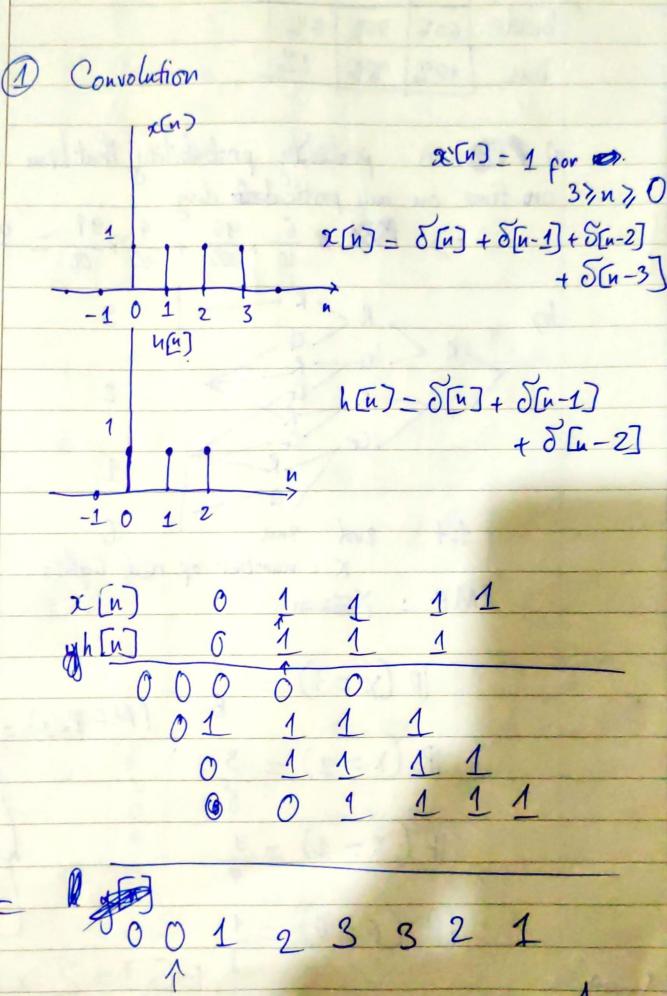
Hà Ngọc Linh M21 ICT 006



y (n)

Bethe Cherry on Top O

Trang 1

(4)			
		ontime	late
bicide	60%	95%	5%
bus	40%		2%

on time on any particularly day

=> 10 × 10 × 100 = 96,2%

 $\begin{array}{c|cccc}
h) & R & R & 3 \\
R & G & R & 2 \\
G & R & G & 1
\end{array}$

1st 2nd 3nd 0 x: number of red lights

PMF : X

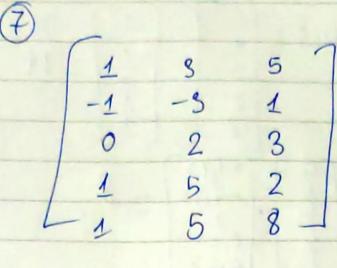
 $|P(x=3) = \frac{1}{8}$ $|P(x=2) = \frac{3}{8}$ $|P(x=1) = \frac{3}{8}$ $|P(x=1) = \frac{3}{8}$ $|P(x=1) = \frac{3}{8}$

 $P(X=0)=\frac{1}{2}$

= 1/8×3+3/8×2+3/×1+1/×0=1/5

Trans

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$$V_1 = \alpha_1$$

$$V_2 = \alpha_2 - \frac{V_1 \cdot \alpha_2}{V_1} \cdot \frac{V_1}{V_1}$$

$$V_3 = \chi_3 - \frac{V_1 \chi_3}{V_1 V_1} = \frac{V_2 \chi_3}{V_2 V_2} = \frac{V_2 \chi_3}{V_2} = \frac{V_2 \chi_3}$$

$$\begin{array}{c|c} x_1 = 1 \\ -1 \\ 0 \\ 1 \\ 1 \end{array}$$

$$\chi_2 = \begin{bmatrix} 3 \\ -3 \\ 2 \end{bmatrix}$$

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0,29

$$V_{2} = \begin{bmatrix} 5 \\ 1 \\ 3 \\ 7 \end{bmatrix} \begin{bmatrix} 1 \\ -1 \\ 2 \\ 8 \end{bmatrix} \begin{bmatrix} 1 \\ -1 \\ 2 \\ 1 \end{bmatrix}$$

$$V_{2} \cdot V_{2} = \begin{bmatrix} 5 \\ 1 \\ 3 \\ 7 \end{bmatrix} \begin{bmatrix} -1/75 \\ -7/75 \\ -7/75 \\ 0/25 \end{bmatrix} \begin{bmatrix} -1/75 \\ -7/75 \\ 0/25 \\ 0/25 \end{bmatrix}$$

$$V_{2} \cdot V_{2} = \begin{bmatrix} -1/75 \\ -1/75 \\ -7/75 \\ 0/25 \end{bmatrix} \begin{bmatrix} -1/75 \\ -1/75 \\ 0/25 \\ 0/25 \end{bmatrix}$$

$$V_{3} = \begin{bmatrix} 5 \\ 1 \\ 3 \\ 7 \end{bmatrix} \begin{bmatrix} -1/75 \\ 4 \\ 1 \end{bmatrix} \begin{bmatrix} -1/75 \\ -1/75 \\ 0/25 \\ 0/25 \end{bmatrix}$$

$$V_{3} = \begin{bmatrix} 5 \\ 1 \\ 3 \\ 7 \end{bmatrix} \begin{bmatrix} -1/75 \\ -1/75 \\ 0/103 \end{bmatrix} \begin{bmatrix} -1/708 \\ -1/75 \\ 0/103 \end{bmatrix} \begin{bmatrix} -1/708 \\ 0/103 \\ 0/103 \end{bmatrix}$$

$$V_{3} = \begin{bmatrix} 1/708 \\ 1/75 \\ 1/75 \\ 0/125 \end{bmatrix} \begin{bmatrix} -1/75 \\ 0/125 \\ 0/125 \end{bmatrix} \begin{bmatrix} -1/75 \\ 0/125 \\ 0/125 \end{bmatrix} \begin{bmatrix} -1/75 \\ 0/125 \\ 0/125 \end{bmatrix}$$

$$V_{4} = \begin{bmatrix} 1/708 \\ -1/75 \\ 0/125 \end{bmatrix} \begin{bmatrix} -1/75 \\ 0/125 \\ 0/125 \end{bmatrix} \begin{bmatrix} -1/708 \\ 5/422 \\ 2/762 \\ 2$$

Ha Ngor Linhmett CT006 Baiz $P(A) = P(A \cap B) + P(A \cap B^{c})?$ P(A) = 0 $P(A \cap B) + P(A \cap B^{c}) = P(O \cap B) + P(O \cap B^{c})$ = 0=> P(A) = P(A) B) + P(A) B) if P(A) = 0 if P(A) ≠0 P(A NB) + P(A NBC) = P(A) P(BIA) + P(A) P(BCIA) $= P(A) \left(P(B|A) + P(B^c|A) \right)$ = P(B) (P(B|A) + (1- P(B|A)) $= P(A) \cdot 1 = P(A)$ => P(A) = P(ANB) + P(ANB) if P(A) #0 1) +(2) => P(A) = P(A)B)+P(A)Bc)

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