J= Zeipa Aornosewv.

Ovolg: Al ExavSponovlos. Zapiarns.

Loidhior Murpia : 03117060

(e)17060)

Jxoli: HMMY

Etalunvo: 8º.

Joknon 4

Exactre son vivard urgentimen hera pares pias problemin expression

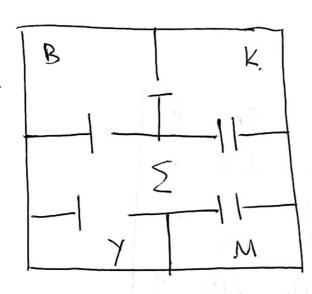
$$\{\chi_{n}\}_{n\in\mathcal{N}_{o}}$$
:

$$P = \begin{cases} 0 & 3/4 & * & 0, & 0 \\ 3/4 & 0 & 0 & 1/8 & * \\ 1/2 & 1/4 & 1/4 & * & * \\ * & 3/5 & 1/5 & 1/5 & * \\ 0 & 0 & 1/10 & 1/5 & * \end{cases}$$

$$P = \begin{cases} 0 & 3/4 & 1/4 & 0 & 0 \\ 3/4 & 0 & 0 & 1/8 & 1/8 \\ 1/2 & 1/4 & 1/4 & 0 & 0 \\ 1/2 & 1/4 & 1/5 & 1/5 & 0 \\ 0 & 3/5 & 1/10 & 1/5 & 7/10 \\ 0 & 0 & 1/10 & 1/5 \\ 0 & 0 &$$

JOKNEY 5

Example in Exis rogans con ellillog:



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X= { K, B, 2, Y, M}

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O jupor razadiatens zon verbatiaza egran:

$$\left(o'7'o'o'o' \right)' \left(7'o'o'o'o' \right)$$

$$X = \left\{ (o'0'o'o'0')' (o'0'0'7'0)' (o'o'7'0')' \right)$$

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Monorium periodoms eival: (0,0,1,0,0) (0,1,0,0,0) (0,0,0,0) (0,0,0,0) (0,0,0,0) (0,0,0,0) (0,0,0,0) (0,0,0,0) (0,0,0,0) (0,0,0,0) (0,0,0,0) (0,0,0,0) (0,0,0,0) (0,0,0,0) (0,0,0,0) (0,0,0)

(o,o,o,o,1) (o,o,o,1,o)

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O virakol vinanjanovinum held pomi Elvar:

$$P = \begin{cases} 5/6. & 1/6. & 0 & 0 & 0 \\ 5/6. & 0 & 1/6. & 0 & 0 \\ 5/6. & 0 & 0.0 & 1/6. & 0 \\ 5/6. & 0 & 0.0 & 1/6. & 0 \\ 5/6. & 0 & 0.0 & 0.0 & 1/6 \\ 0 & 0 & 0.0 & 0.0 & 1/6 \end{cases}$$

10x100. p(E,G)=1/6. av morrisper 6. Los on baives en en En.

Rajemons Jp(i,i)=1

ii) Proxespéras va entrojoupe invarabablia 65656., o nivaras ni Javorismo petà banes la esval:

Ju $\chi = 1$ θο εχομε τη συμβολοσειρο 6. Στη συνεχεσο με οιθανότητα 1/6 με οιθανότητα 1/6 δη κατάναμε στη κατάναμε η ε οιβονότητα 1/6. και ση κατάναμε ο με οιβονότητα 1/6. και ση κατάναμε ο με οιβονότητα 1/6. (ρ. (όχι 5 % 6).

Jumes 8

$$P[X_{n+1}=y \mid X_{0}=U_{0}, X_{1}=U_{1}, ..., X_{n}=x] =$$

$$\int \frac{d}{6}, \quad qv \quad y \neq x+1 = p[X_{n+1}=y \mid X_{n}=x],$$

$$Q[X_{n}=x]$$

apar pixvortes 1 kai 6 hétabaivorte ann i Sia katárani.
NOTO DISTORDET. HETA Baivorte DE KO SELIA ano TIS UN LOINES.

Livening. u 3 Xu Jue N. Eivas fila frapkobiani arbonita

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B. Quenas o non Judios zou A, eite da augusti.
Ja penusei kosa èva. Apa

 $P\left[\begin{array}{c} X_{n+1} = y \mid X_{n} = x \end{array}\right] = \begin{cases} 1/2, & y = x - 1. \\ 1/2, & y = x + 1. \\ 0, & \text{additions} \end{cases}$

Le repinion nou o l'Induspres zon A eiver 0 eixer

 $\left[\left(\frac{1}{2} \right) \right] = 1$ $\times 000$,

· P[Xn+1=N-1|Xn=N]-1.