Produit à dwite

F(E,R) = l'ensible des applications de Edans IR

Ep; Pp on veut din qe L(Xo) = p.

En, Pn on veil que L(X)= Sx (d'une manière certaine, la chaîne part de nc).

From suppose que |E| = m, E = 9211 - 12m?. L'application of de E daws 12 sidentifie au verteur coforme $f(x_1)$ $f(x_m)$

$$\frac{\alpha_{1}}{\alpha_{m}} = \frac{\alpha_{m}}{\alpha_{m}} = \frac{\alpha_{m}}{\alpha$$

 $Qf(w) = \sum_{j=1}^{m} Q(\alpha_{ij}, \alpha_{ij}) f(\alpha_{ij})$

F(E,R) - (E,R)

f - Of / Of (w) = E O(a,y) fly

$$\mathbb{C}(\mathcal{C}) = \mathbb{E}_{\mathcal{C}}(\mathcal{C}) = \mathbb{E}_{\mathcal{C}}$$

E(f(Xn+1)/X=21)= & f(Y)P(Xn+1 Y/Xn=21),
Q(21,Y)

=>) E(P(xn)/Yn) = Qf(xn)/ moduit à ganche P= 1'onse ble des mesures positives sur E. F | E | = m E = {2,1 - 12m}. me meure possitive p sur E s'identifie au veckan Ligne $(p(u_i); ----; p(u_n))$ digne (r). $(p(ni)_1 - p(ni)_1)$ $(p(ni)_1 - p(ni)_1)$ $(p(ni)_1 - p(ni)_1)$ = ((pQ)(n), ____, (pQ)(nm)) p.Q(n;)= = p(n;)Q(n; n;) > p. Q/ (p. Q)(g) = REE p(w). Q(my)

$$\frac{P(N)(E)}{P(E)} = \underbrace{\sum_{Y \in E} (P(N)(Y))}_{Y \in E} \underbrace{\sum_{M \in E} P(M) Q(M, Y)}_{Y \in E} .$$

$$= \underbrace{\sum_{M \in E} P(M) (\underbrace{E} Q(M, Y))}_{Y \in E} = \underbrace{\sum_{M \in E} P(M) = \underbrace{P(M)}_{Y \in E}}_{Y \in E} .$$
So P of any mound do probability, alos P. Q ort answir we means do probability
$$P = \underbrace{Q(X_0)}_{M,j} .$$

$$= \underbrace{P(X_0)}_{M,j} .$$

$$= \underbrace{P(X_0 = X)}_{P(X_0 = X)} .$$

$$= \underbrace{P(X_0 = X)}_{P(M)} .$$

$$= \underbrace{P(X_0 = X)}_{P(M)} .$$

$$= \underbrace{P(X_0 = X)}_{P(M)} .$$

$$= \underbrace{P(M)}_{Q(M, Y)} .$$

$$L(X_o).Q = L(X_i) \Leftrightarrow P(X_i = y) = EP(X_o = n)Q(y_i)$$
 $\forall y \in E$

My voringe

$$\begin{array}{lll}
\text{Exp.} & Q = Q(x_{n+1}) \\
\text{Exp.} & Q = Q(x_{n+1} = y) \cap (Q(x_{n+1} = x_{n+1})) \\
& = \sum_{x \in E} P(x_n = x_n) P(x_{n+1} = y) \wedge (Q(x_{n+1} = x_n)) \\
& = \sum_{x \in E} P(x_n = x_n) P(x_{n+1} = x_n) \\
\text{Qr.} & (x_{n+1} = y) \wedge (x_{n+1} = y) \wedge (x_{n+1} = x_n) \\
\text{Qr.} & (x_{n+1} = y) \wedge (x_{n+1} = x_n) \wedge (x_{n+1} = x_n) \\
\text{Qr.} & (x_{n+1} = x_n) \wedge (x_$$

$$\begin{array}{l}
\Theta(X_{n}=y) &= \mathcal{E} P(X_{0}=y_{0}) Q^{n}(y_{0}y_{0}) + y \in \mathcal{E}, \\
P(X_{n+m}=y) &= \mathcal{E} P(X_{m}=u) Q^{m}(u_{1}y_{0}); \\
E_{\alpha}(f(x_{0})) &= \mathcal{E} f(y_{0}) P_{\alpha}(X_{n}=y_{0}) P_{\alpha}(x_{0}y_{0}); \\
&= (Q^{n}f)(u_{0}) \\
E(f(X_{n})/X_{0}) &= (Q^{n}f)(X_{0}) \\
E(f(X_{n})/X_{0}) &= (Q^{n}f)(X_{0}) \\
E(f(X_{n+m})/X_{n}=u) &= \mathcal{E} f(y_{0}) P(X_{n+m}=y_{0}/X_{n}=u_{0}) \\
E(f(X_{n+m})/X_{n}=u) &= \mathcal{E} f(y_{0}) P(X_{n+m}=y_{0}/X_{n}=u_{0}) \\
E(f(X_{n+m})/X_{n}) &= Q^{m}f(X_{n}) \\
E(f(X_{n+m})/X_{n}) &= Q^{m}f(X_{n}) \\
E(f(X_{n+m})) &= E(E(f(X_{n+m})/X_{n})) \\
E(X_{n}=u) &= E(f(X_{n+m})/X_{n}) \\
E(f(X_{n+m})/X_{n}) &= Q^{m}f(X_{n}) \\
E(f(X_{n}) &= Q^{m}f(X_{n}) \\
E(f(X$$

