## CURSG

Sef: Repartitie unei variabile alestoare) tie (2, F.P) un c.p. si X: D-IR o. v.o. Se numeste reportitie lui X samosure de probabilitate pe IR definita prin Px(A) = P(XEA)  $= \mathbb{P}\left(x^{-1} \in (A)\right) = \left(\mathbb{P} \circ x^{-1}\right) (A), \forall A \leq \mathbb{R}$ Kgutitia: P=Pox hef: (tunctis de reportitie) tie (1, F, P) on c.p. si X: 2 > R + v.a. S.n. fuction de quatities a Li X (function commission) function T: R-> [o,1] definità Prin F(\*) = P(X \( \) \( Proprietati de functiei de reportitie (5) Fe cresostone (\* 2 x = F (\*) c +(y))  $\{X \in (-\infty, \times]\} \subseteq \{X \in (-\alpha, y]\}$ DI e continue la drespta. T(X0) = lin T(x)

Es Eo

X 2 x0 1055: O fct a a), b), c)
e o fct. de reportitie

 $\begin{array}{ll} (x) & (x)$ 

defittet de moss associats unei v. a. disciele) Fie (12, F, 12) on c.p. si X= 12-312 o. v.o. discreta In funtie de mass a lui X (PMF) funtis for = P(X=x), & xell P(X =A) = E f(x) xe Anx (A) [05]: Aso A = (-10, \*] stone: F(\*) = P(X & \*) = Z (14)

YEX
YEX(12) Proprietati e (€) \$0 3)) Hass totals este easts a 1  $P(X \in R) = P(f_{wc} \mathcal{L} \mid X(w) \in Rf) = P(\Omega) = 1$   $P(X \in R) = P(f_{wc} \mathcal{L} \mid X(w) \in Rf) = P(\Omega) = 1$   $P(X \in R) = P(f_{wc} \mathcal{L} \mid X(w) \in Rf) = P(\Omega) = 1$   $P(X \in R) = P(f_{wc} \mathcal{L} \mid X(w) \in Rf) = P(\Omega) = 1$   $P(X \in R) = P(f_{wc} \mathcal{L} \mid X(w) \in Rf) = P(\Omega) = 1$   $P(X \in R) = P(f_{wc} \mathcal{L} \mid X(w) \in Rf) = P(\Omega) = 1$   $P(X \in R) = P(f_{wc} \mathcal{L} \mid X(w) \in Rf) = P(\Omega) = 1$