F(x) =
$$P(X \le x)$$
 HXEIR
 $P(X=x) = 5$, $z=1,2,3,4,5$ XNUN; $f(x) = 1,2,3$
o en otro caso
Función de distribución se del en IR
 $P(X \le 0) = 0$

 $P(X \le 2) = P(x-1) + P(x-2)$

 $f(X \leq 1) = \frac{1}{5}$

Datos X v.a. discreta que tima valores: xx, xz, ... > $\pm(x)=\sum_{i=1}^{\infty}x_{i}P(x=x_{i})$ Media $Var(X)=V(X)=E((X-E(X))^2)$ $E(g(X))=2g(x_i)P(X=x_i)$ $(x-E(X))^{2}(X=xi) = E(X^{2})(E(X))^{2}$

$$f(x)=P(X=x)=(1-p)^{X-1}p \quad T(x) \quad p \in (0,1)$$

$$\sum_{x=0}^{\infty} f(x)=1 \qquad \sum_{x=1}^{\infty} (1-p)^{X-1}p - p \sum_{x=1}^{\infty} (1-p)^{X-1}$$

$$\sum_{x=0}^{\infty} q^{x}=\frac{1}{1-q} \quad |q| < 1 \qquad y=x-1 = p \sum_{y=0}^{\infty} (1-p)^{y}=\frac{1}{1-(1-p)}=1$$

 $X \sim P ciss(x)$ $X \sim P ciss(x)$ $Y \sim P ciss(x$