Morphemes Hena × u y ca gle rejablicumy qualp on ben. Fromba D(x+y) = Dx + DyAnd Z = x + y  $DZ = E(Z - EZ)^2 = E(x + y - E(x + y))^2 =$   $= E((x - Ex + y - Ey)^2) = E((x - Ex)^2 + (y - Ey)^2 + 2(x - Ex)(y + Ey)) =$   $= E(x - Ex)^2 + E(y - Ey)^2 + 2E(x - Ex)(y - Ey) =$   $= Dx + Dy + \lambda E(xy - yEy - yEx + ExEy) =$   $= Dx + Dy + \lambda Exy - \lambda ExEy + \lambda ExEy =$   $= Dx + Dy + \lambda ExFy - \lambda ExEy + \mu$ 

hopanyanya dynnyng

I niago niena X bunam uje e genorucnena u neo prujasenna XEIN+

bepunnyes bena  $X \in \mathbb{N}^+$ , useraba pynn  $g_X(s) = f_S^X = \sum_{k=0}^{\infty} S^k |P(x=k)|$ , sa  $|S| \le 1$  ce hapana nopanganja pynnyes na X.

$$\frac{\Phi}{|p|} \frac{x | 0 \quad 1}{|-p|} \qquad g_{x(s)} = \sum_{\kappa=0}^{\infty} s^{\kappa} |p|(x=\kappa) = (1-p) \cdot s^{\circ} + ps' = 1-p + ps$$

$$\frac{12 - u}{10 \ln u} = \frac{1}{2} \int_{\kappa=1}^{\infty} \frac{1$$

g'x(1) = Ex #

Chainston

1)  $g_{x}^{(N)}(s) = n!$  f(x=n)  $g_{x}^{(N)}(s) = \frac{\infty}{s=0} (sx)^{(N)} |f(x=n)|$  f(x=n)  $g_{x}^{(N)}(s) = \frac{\omega}{s=0} (sx)^{(N)} |f(x=n)|$  f(x=n) $g_{x}^{(N)}(s) = \frac{\omega}{s=0} (sx)^{(N)} |f(x=n)|$  f(x=n)