



croeg(c)-Zciapi E(c) = Zepe) = cp(c) = c-1= 0 L=(X-11)2 Vor(x):= E[L] Voi [x] = E[(x-u)2] = E[x2-2nx+n2] = E[x2]+E[-2nx]+E[u2] = E[x2] - 2m E[x] + m2 = E[x2] -m2 = Var(X) · E (X2) = 52 + 42 Y=ax+c aEIR, CEIR Y = X + C, Var [Y] = Var [X+c] = 02 "laading e does not affect wheneve" Vor [X+c] = E[((X+c)-(u+c))?] E(x+c) = 1+c = E[(x+y-1-x)2] = [(x-u)]= = 2 Y= ax, Y= 2X Jor (Y) = 482 M(U) 24 Var (ax) = E (ax - au) = E [(a(x-w)2)] E [ax] = all \* Var[ax+c] = 0252