32、(1) 记X为检修前生产的一/等配数, Y为技作前共生产数

36- BEETY-E(YIX) X)-0

4 Z=Y-E(Y/X)

取り(YLEX!

RIJ ELX-EXI E(X-EX) = DX

Tal)

EL(E(XIYI-EX)) = E((E(XIY) - E(E(XIY))) = D(ECXIY)

1. 1+ 5 ×

= DX=E(D(X/Y))+D(E(X/Y))

37 (1) P(X, Zo, n=1, 2,3,4) = P(p+pqp)=p*(1+pq) (4) P((Xn/52, n=1, 2, 3,4) =1-PL =n=1,2,54, |X |72) = |- P (= 1 man=3,4, 14/22) 39. \$\langle (\mu) P(\text{\text{Xn+1}} = \int_{\nu} | \text{Xn=1}_{\nu}, \ldots - \text{V} = \int_{\nu}) = \frac{P(\text{Xn+1} = \int_{\nu}, \ldots - \ldots \text{V} = \int_{\nu})}{P(\text{Xn} = \int_{\nu}, \ldots - \ldots \text{V} = \int_{\nu})} - / (Xnx1-Xn=lm1-inell) - - /X, -X=11-10/18=4) P(Xn-Xn-1-1n-1/2) 10-.. P(X,=1) = P(Xm - Xn= inn -in) = P(Xnr = in+1 | Xn=/n) (5) isd = D (Xn+1 = ln+1 , Xn-1 = ln-1 , Xn=ln) / (** Xn = in) = P(Xn4 - Xn=in+-in) P(Xn=in)) (Xn- Kn=in-in) = P(Xn+1- Xn = [n+1- h) P(Xn- Xn-1= h-1/n-) = P(Xn+1=in+1 | Xn=1) P(Xn-1=in+1)

7.42:4.

1. $P(X = -2) = \frac{1}{3}$ $P(X = 5) = \frac{1}{3}x^{\frac{1}{2}} = \frac{1}{6}$ $P(X = 7) = \frac{1}{3}x^{\frac{1}{2}} = \frac{1}{6}$

2 近 Y 为 6 主 成り に まため 次 またからか 数 , に | X | Y=i カー B(i, を)

B) E(X | Y=i)= 亡

i=9,1-...

EX-100 = E(X/Y=i) P(Y=i)= 1