```
7.3
/ cov(x,Y)= E(XY)-E(X及Y)
  E(XY)= 1x1x01=01 E(N=0.5 E(Y=0.3 E(X)=0.5 E(Y=0.3
  COV(X,Y)= 0.1-05X0.3=-0.05
 EX (X,Y) = G(X)G(Y)
                       6(X) = JDIN 6(Y=JDX)
    D(X)= EX) - EX = 0.12 BED(Y) = 0.2 | G(X)= TO J O (Y=JO)
   PXX)= -0.05 - 721
5-
 D(X+Y)= D(X)+(2E(X-E(X))(Y-E(Y))+D(Y)
 CONX.Y): E(X-EW)(Y-GG)0
 COVLXIY)= (xix (GO)GCY)
 O(x) = 10(x) = 1 o(y) 2/10(x) = 6.
3. COV(X; Y) = 612. ...
        0 1 1516387
 1. D(X+4)= 25+36+2X12=8]
 D(X-Y)= D(X)-Z=0E(X-E(X)(Y-E(X))+D(Y)
        2 25+46-2x12237
 X(X+X)= E(X+X)-E(X+X)+
       = [(X+1)2 2(X+1) E(X+1)
D(X+4)= 団(X-E的)+ x(Y-G的)).]
       = E((x-E(x)+ (Y-E(Y))+2(x-E(X)))
      = E(X-E(W)+E(Y-G(Y)+2G(X-ZW(Y-EY)
      = D(x)+D(Y+25(X-EW))(Y-69)
                          ( cov(x, イ) = E(xx)-EWE(ヤ
```

= (xix owed)=