```
Assignment 3 ECEN321 Joshua Benfell
     0 0.15 0.12 011 0.1
    13 0.04 0.03 0.02 0.01
    Px(x) = P(X=x)= \( \subseteq p(x,y) \)
    P Px (x)
                                        o.ug
                                     = 400F 0.17
            004 +003 40.00 4 0.01 =
b p_{(Y)} = P(Y=y) = \sum_{x} p(x,y)
   Py (y)
   No 00
Pxy (x, x) = 0.15 & P(x=0) P(y=0) = P(0.48x 0.34
d ux = E { X} = Oap (0) + 1 x px (1) + 2xpx (2) + 3xpx (2)
  μy = E{Y} = οργ(β) + 1× ργ(1) + 2×ργ(2) + 3×ργ(2)
              = 0+ 1x0.27+ 2x0.22+.3x0.17
                1.22.
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| e 
$$O_X = I_{O_X}^{-1}$$
 $O_X = I_{O_X}^{-1} \times I_X^{-1}(X = x) = -\mu_X^{-1}$ 
 $O_X = I_{O_X}^{-1} \times O = 1 \times I_{A_X}^{-1} \times I_$