



g) P(x=0 0g Y=0) X - rod ball y - græn bale  $((n, k) = (n) = \frac{n!}{k!(n-10)!}$ 0 0 6 = 6! = 6: = 6 i)  $\frac{1}{2} \frac{1}{2} \frac$ = 0 = 0 i) Cov(x, y)= E[(x-yx)(y-yy)] siden sansyrligheten for a trebut f. 260. en grænn erdres om vi grænn erdres om vi (OV (X, V) = E(XY) - 4 x 4 Y = [ [ xy P(x = x n ) = y) - 4x4y = 0=0(2/6)+0.1(2/6)+1.0(2/6) + 1.1(0) - 4x44 = - 4 x 4 y = - ((0.2/6)+(0.2/6)).(0.2/6) - (1.2/6)) = - (1/3)(1/3) = -1/6