



C=5.P(X=k)- (1+1)n.P(Y=k) for X~b(n,p') * Y~b(n,p) 7 C=(50).P(X=6) (1+0.10) .P(Y=6) @ C = = (10) (0.7273) (1-0.7273) "-j. Cuil'-j $(1+0.10)^2$ 1C= 27.4864 Mote: Both are the same! 50=\$50 Payoff=\$518 EU Call >P==-rt. [(p2.fu)+(2+p(1-p)ofa) +((1-p)2.fa) \$ 56.18 (500 (1+0,06)) [=0] 53-(1-0.05) E1.64] =[0] 例(治)(10.5688952.5.18)+(2.0.568895.0.43)105-465 \$50 47.50 - (1+8.06) + (0,4311052.0 50-(1-0.05) [Payoff = \$0] EU Pit D==(5)(性) (0)+(2·1.568895·0.43|105·0.65) [Payoff=0] +(0.4311052.5,88) [=0] E0.65] [=1,38] \$50.35 (Payoff=\$5.88) Conclusion: Option should be exercised at \$47.50 w/profit of \$3.50 (51-47.50). Not exercised at \$53 or land \$50