4. b(x,n,p) $= \binom{n}{2} p^{2} (1-p)^{n-2}$ $= \binom{n}{2} \binom{n}{2} \binom{n}{2} \binom{n}{2} \binom{n}{2} = \frac{n!}{2!(n-2)!}$ = x! (n-x) 1 n2 (1- m) x (n-x)! nx n(n-1)(n-2) - (n-2+1) - n n n n n =1(1-1)(1-1)(1-1)--(1-24) = = (1-1)(1-1)(1-1)(1-1)(1-1)(1-1) = 4x (1- +)(1- +) (1- +) (1- +) (1- +) 3.0 P(x>9)= 1-(100)(0.05) (0.95) 0.95) =1-0.9118=0.0282 (2) accept, 同为 0.0282=2.8% 在超过题目的 5%