5-> ii The perobability that called no. is busy
18 1 p (succes = x) = h cn - p n - 9 (n-2) n=0,1,2... n & y=(1-p), h=6 Perobability that at least three of them will be busy is: P(0) + (P(1) + P(2) + P(3) 6(0(1)0/14)6+6(1(1)1/14)5+6(2(x) (15)(15)+6(1(1)1/15)+6(2(x) $\frac{2(14)^{4}+6(3(1)^{3}(14)^{3}}{(15)^{3}(15)^{3}}$ $\frac{1}{2} - \left(\frac{14}{15}\right)^{\frac{1}{2}} \left(\frac{59}{45}\right)$