SSG 413. The mind Scharums 4.23 by the pool. that an monitude will snyler a but reaction from imperten of a green recome o oost.

Descrito 3 B more than two sactures

Individuals 48 5 years a God reacture. b=0.001, d=1-b=0.0000; n = 2000 (Lange) @ Pr(X=3) X-b. Dies (y'u) The process from and the land of the process of the to do of to dample of to had $\lambda = \pm (x) = 0$ = 0 = 0 = 0 $P(X=3)= e^{-2}2^3$ = 0/0001 = 0.180453/ Binom cal DINE J= UU Ky July Dans 1, 15 (15 x 12)

$$P(X > 2) = P(X = 3) + P(X = 4) + ... + P(X = 20)$$

$$P(X \le 2) + P(X > 2) = 1$$

$$P(X \le 2) = |-P(X \le 2)|$$

$$P(X \le 2) = P(X = 0) + P(X = 1) + P(X = 2)$$

$$= e^{-2} \cdot 2^{2} + e^{-2} \cdot 2^{2} \cdot 2$$

$$= e^{-2} \cdot 2^{2} + e^{-2} \cdot 2^{2} \cdot 2$$

$$= 5e^{-2}$$

$$= 5e^{-2}$$

$$= (-5e^{-2})$$

$$= (-5e^{-2})$$

$$= (-5e^{-2})$$

What is the probability of getting a total of 9 aire? Of twice Bat least twice in 6 types of a pair of dice? Solotinos 8 Po(500 89) = P = 4/36 = 1 $q = (-\frac{1}{9})$, X ~ Bu as total of 2); = 8/9 $b^{e}(X=x)=\binom{u}{v}b_{v}d_{J-v};$ $p(\chi=2) = {8 \choose 2} {1 \choose 5}^2 {8 \choose 9}^4$) P(at feat twice) = 1 - P (af most twice). P(X33) = I - P(X < 3)= 1-(P[x=J+P[x=1]) $= 1 - (\binom{6}{6})\binom{3}{6}\binom{6}{9}\binom{6}{6}\binom{5}{6$