积死化 3.2

2 (U) Flin FINI = 0

i. la-\$b=0

これこれ」

 $Pf\rightarrow X \in \mathbb{N}$ = F(JS) - F(J) $= \frac{1}{2} + \frac{1}{2} \operatorname{arctan} JS - \frac{1}{2} - \frac{1}{2} \operatorname{arctan} (J)$ $= \frac{1}{2} \cdot \frac{3}{2} - \frac{1}{2} \cdot (-\frac{7}{4})$ $= \frac{1}{2} \cdot \frac{1}{4}$ $= \frac{1}{12}$

(3) $P\{x>c\}$ $= 1 - P\{x \le c\}$ $P\{x \le c\} = 1 - 4 = \frac{3}{4}$ $\frac{1}{2} + \frac{1}{4} \operatorname{arctan} c = \frac{3}{4}$ C = 1

3. ①取矿学烟石减

· FLW, FLIX) 单调不减 u, b >。

· F(X) = OF,(X)+bF2(X) 单调不减

四取值说图 以下以当识版(X)=0 :从FLX)=0 Min AND = Dom FIN =1
at b:1

1 lim FIXI =1

13 连放性

公开以,无以,在姓从

··FLXV方在出

邻上,F1人)为旱随机变量的分布或数~

7颗23

P(X=2) = 0.2 P(X=2) = 0.5 P(X=5) = 0 P(X=4) = 0.3

PX<4 | x +3 | =0.7

4 P: P(X=k) = $(0.6 \times 0.4)^{k+1} \times (0.4 + 0.6 \times 0.6)$ = $0.24^{k+1} \times 0.76$ 2: P(X=k) = $10.6 \times 0.4 \times 1 \times 0.6 \times 0.6 + 0.4 \times 0.4$ = $0.24^{k+1} \times 0.6 \times 0.76$ = $0.24^{k+1} \times 0.6 \times 0.76$

 $||f(x)||^{2} = \frac{C_{3}^{2}}{C_{3}^{2}} = \frac{B}{8}$ $|f(x)|^{2} = \frac{C_{3}^{2}}{A_{3}^{2}} = \frac{B}{56}$ $|f(x)|^{2} = \frac{A_{3}^{2}}{A_{3}^{2}} = \frac{B}{56}$ $|f(x)|^{2} = \frac{A_{3}^{2}}{A_{3}^{2}} = \frac{B}{56}$ $|f(x)|^{2} = \frac{B}{A_{3}^{2}} = \frac{B}{56}$ $|f(x)|^{2} = \frac{B}{56} + \frac{B}{56} = \frac{B}{56}$

 $P_{2} = 1 - 8 (1-0.01)^{90} - 6 (0.01) (1-0.01)^{88} - 6 (0.01) (1-0.01)^{88} - 6 (0.01) (1-0.01)^{88} = 1 - 0.99^{90} - 8 0.98 (0.99^{90} - 8 0.99^{90} -$ 一个即分的可从时间的 = X1-9×0.97 三元213 30台不可及用的175; Pi=1-Po3=1-U-29×0.9948)3 三人門的公子多名时相待 说出版降而为A,Ai 一人的306年到306年 AB,Bz

一人包约3分可及时推修 Po=1~0.99分 G30.012009929 二个1.29×09929 三人包约公公不可以时推修 Pi=1~(1.29×0.91229)34 三人创约9公不可以时推修 3. k = np = 4 $P_{1}^{2} \times |0| = \sum_{k=0}^{10} C_{800}^{k} (0.005)^{k} (1-0.005)^{k}$ $4 + \sum_{k=0}^{10} \frac{100}{4} \times \frac{100$

5. (1) $F = G^2 O D + (0.9)^2 = 0.729$ (2) $F_2 = f = 0.9^2 = G^2$ (3) $F = G^2 O D + (0.9)^2 + G^2 (0.9) (0.1)^4 + G^2 (0.9)^2$ (3) $F = G^2 O D + (0.9)^2 + G^2 (0.9)^2$ (3) $F = G^2 O D + (0.9)^2 + G^2 (0.9)^2$ (3) $F = G^2 O D + (0.9)^2 + G^2 (0.9)^2$ (4) F = 0.99154

一个 丁里子

, W. . W.

m's ~ ...

1. Jo atbriotra HX+ax]= 2600=1 N 0+6=}

P(XZI) = So (a+b) xdx - Tora+bxxdx = 20+26- (0+ \$6)

1. Ja=1 = 1

201=-1.25

5. (1) $A+Be^{-\frac{A}{2}} = A = 1$ A+Be⁰ = A+B=0

in SA=1 B=-1

(2) $f(x) = \int_{1+xe^{-\frac{x}{2}}}^{0}, x = 0$ $1+xe^{-\frac{x}{2}}, x = 0$ (3) $f(x) = \int_{1+xe^{-\frac{x}{2}}}^{0}, x = 0$ (3) $f(x) = \int_{1+xe^{-\frac{x}{2}}}^{0}, x = 0$ (3) $f(x) = \int_{1+xe^{-\frac{x}{2}}}^{0}, x = 0$

 $6. \quad F(X) = \begin{cases} 0, & X < 0 \\ X^2, & 0 < X < 1 \end{cases}$ $1, \quad X \not> 1$

P{X=±} = F(±)=+ PM=27= C3434= 74

-- --11 {1-1

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1 1 xx = ->x /1 T · : --· * 70 / .

凝灯.

(2)
$$P(i|A) = \frac{0.219 \times 0.00}{0.0415} = 0.01$$

$$P(ii|A) = \frac{0.5762 \times 0.001}{0.06415} = 0.01$$

$$P(iii|A) = \frac{0.219 \times 0.0}{0.06415} = 0.06$$

$$\frac{m-76}{15} = 1.04$$

$$m = 91.6$$

$$Z_{01} = -1.28$$

$$\frac{m-76}{15} = -1.28$$

$$m = 56.8$$