2. P(AUC)= P(A)+P(C)-P(AC) ≤1

$$P(A) + P(c) \leq 1 + P(Ac)$$

 $P(AB) + P(BC) \leq P(A) + P(B) \leq 1 + P(AC)$ 

$$P(Ac) + P(Bc) \leq P(A) + P(B) \leq 1 + P(AB)$$

$$P(A) = \sum_{x \in A} \frac{e^{-\lambda} x^{x}}{x!} \geq 0$$
  $\forall A \in F, \lambda > 0$ 

$$|\hat{f}(x)| = \sum_{\kappa=0}^{+\infty} \frac{e^{-\lambda} \lambda^{\kappa}}{\kappa!} = e^{-\lambda} \cdot e^{\lambda} = 1$$

补充题

(B)

早

P(A) = \( \sum\_{k \in A} \) P(1-p)^x > \( \overline{V} \) A & \( \overline{A} \) \( \over

炎 A1, A2,..., An G IF 为一列两两互不相容的事件

 $P(\Sigma) = \sum_{i=1}^{+\infty} P(i-p)^{x} = \frac{P}{P} = 1$ 

P(No An) = De P(An)

: P(A) 为事件A 的概率

= 4(a+b)(a-b) >0

 $P = \frac{3+2+1}{4\times2} = \frac{1}{2}$ 

2

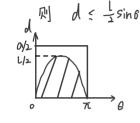
 $P = \frac{(1+3) \times 2}{2} = \frac{2}{3}$ 

13.  $P = \frac{2^3 - 1}{4^3} = \frac{7}{64}$ 

⇒ a>b

(1) (A)  $\Delta = 4a^2 - 4b^2$ 

(2)



$$P = \frac{1}{\frac{9}{2} \cdot \pi} = \frac{1}{\alpha \pi}$$

$$P_{A} = \frac{n!}{N^{n}}$$

$$P_{B} = \frac{C_{N}^{n} n!}{L_{N}^{n}}$$

$$=\frac{7}{50} \times P + \frac{3}{50} \times 3P$$