

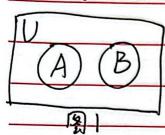
北京大学

观二

1·设入="至少有1件次品" B="0件次品"

$$P(A)=1-P(B)=1-\frac{C_3^2C_{37}^2}{C_{40}^2}=\frac{19}{130}$$

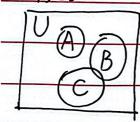
2. M.图为例



则称A.B至不够(如图1)

U A B A.B.XII

3. 7是。



A.B.C至不相塞,但ABC=V.

4. 首先一共有133种抽取结果不同号

$$P(A) = \frac{13 \times 12 \times 11}{13^3} = \frac{132}{169}$$

5.
$$P(B) = \frac{13 \times 11 \times 11}{13^3} = \frac{37}{169} = 1 - P(A)$$

6. 最多有2张阳号(1张+0张+2张)

7. $P(A) = \frac{2^3}{4^3} = \frac{1}{8}$ $P(B) = P(C) = \frac{1}{4^3} = \frac{1}{64}$ P(D) = P(A) + P(B) + P(C) $P(E) = \frac{2 \times 3!}{4^3} = \frac{3}{16}$ (Find the Surfation part of the properties). $P(F) = \frac{3}{16}$ $P(F) = \frac{27}{32}$ $P(G) = \frac{27}{4^3}$ $P(G) = \frac{27}{4^3}$ $P(G) = \frac{27}{4^3}$ $P(G) = \frac{27}{4^3}$ $P(G) = \frac{3}{4^3}$ $P(G) = \frac{1}{4^3}$ $P(G) = \frac{1}{4^3}$

8. AUBUC = (AUB)UC P(AUBUC) = P(AUB) + P(C) - P((AUB)C) = P(A) + P(B) - P(AB) + P(C) - P(AUB) + P(AUB) + P(AC) + P(AC) + P(AC) + P(AUBUC) = P(A) + P(B) + P(C) - P(AB) - P(AC) - P(BC) + P(ABC)Q(AUBUC) = P(A) + P(B) + P(C) - P(AB) - P(AC) - P(BC) + P(ABC)