AGBET VX (XGA -7 XEB)

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高數化少第二周份业

4. 水下到各式的充分少要条件

A-B-\$)

. A-B= & iff A S B (ASBETAUB=B=TANB=AS)

AUB= diff A=B= Ø

, ABB= \$ iff (A-B) U(B-A)

· ABB=ABC iffB=C

· P(A) UP(B) = P(AUB) iff P(A)+P(B)

5. 设A,B和C为任意三个维告,证明A

D 若 A ⊆ B Z D ~ B ⊆ ~ A A ⊆ B = 7(A ∪ B) = 7 ~ B ⊆ ~ A (A 対 B) 7 B (JEA) 7 A (JA)

2) 若 A S C 且 B S C R D A U B S C

解 ASC=PAVC=C BSUPBUC=C

(AUB) U(=C=) AUBCC

3) ZASBAACQUASBAC

ACB=AUB=B ACC=AUC=B (BUC) VA=(AU(BAC) AAC=C =7 ACBAC

6. 注明A R + F 1 4 差 準 (A / B, C, 持有
1. A B B = (A U B) - (A / B)

ABB = (A / ~ B) U L B / ~ A)

(A / ~ B) U (B / ~ A) U (A U B) (A / ~ B)

(A / ~ B) U (B / ~ A) U (A U B) U (A / ~ B)

(A / ~ B) U (B / ~ A) U (A U B)

(A / ~ B) U (B / ~ A) U (A U B)

2. $P(A) \land P(B) = P(AAB)$ 3. $P(A) = 7 (\times 1 \times 4 \times 4)$ 4. $P(B) = 7 (\times 1 \times 4 \times 4)$ (A \le B) = 7 \le \times (\times \text{C} \text{B}) \cdots

(A \le B) = 7 \le \times (\times \text{C} \text{A} - 7 \text{C} \text{B}) = 7 \le P(AAB)

3. (ABB) & C = A & B(B&C) 角写: AのB=(A-B)U(B-A)=(AへかB)U(BハマA) = (An MB)U(~ANB) AB(BBC)=(AN~(BBC))U(~A~(BBC)) = (Ann((Bn~()U(~Bn()))U(~An((Bn~) U (~B~C))) = (An(~(BM*C) ~~(~BN()))U (~A)((B)~() V(~B)()))(德·摩提律) =7An(~(Bn~0) n~(~Bnc))) U(nAn((Bn~0) U(nBnc))) =(An(~BUC)n(BU~C)))u(~An((Bn~C)u(~Bnc))) (德、學根律) = (AMBAC) U(AM ~BM~C) = (~A~B~~c)V (~A~~B~c)(分面已律)

7. 设A和B呈全建U的3年,记用下列部超等价目)ACB2)AUB=B3)ANB=A

· 大大京 等源

- · 红取 XEAUBRIXEA或 XEB,但因 AEB的此為有XEB 这家BACAABEP作星到AUB=B.
- ·他取XEA 27 XEA UB, 但用AUB=B, PHXEB, 因此XEANB 这款的ACANB EP作量EU ALANB
- · 任取XEA ZU XEANB PH UNXEB这表明ASB
- 3. 设A为任意、华生,B为任意、华美,证明 1) 若B≠Ø, PJ AU(NB)=N{AUB|BEB}
- 解:18年中日ADBOANB,这意明3AU(18)=N(AUB/BEB)
 ·BEB供XEAUBO
 - II) AN(UB) = U(ANB'|BEB) (产文分面)律)

 新: 任取 XEAN(UB), 2DXEA DXEUB共有 BEB使 XEB, PHUX
 XEANB BPXEU(ANBIBEB)这款用AN(UB)=U(ANBIBEB)

 另一方面, 任取 XEU(ANBIBEB) 2D有 BEB使 XE ANB, BPXEA DXE
 因此 XEA 且 XEUB, BPXEA NUB) 这克的 U(ANBIBEB)

 "得到 AN(UB)= U(ANBIBEB)