1. Stob (x) = H

stab(gox)=949⁻¹

 $L. \ \mathcal{E} = (13524) \ \ \mathcal{T} = (12)(345) \ , \quad \Rightarrow 6.76^{-1} = (125)(34)$

3 · P2Abel, P7可解 [Ant(A)]=P-1

判断

元号循环群(0) 三(1)= 三 AB + C => |A|+|B| = B 若 |A|+|B| > G, d AB + G, 3 9 + ab, at y + b A 1 9 NE = Ø |a| = | A 1 9 U B| = |A1 9| 1| 61 = |A| + |B|

1. Z/18Z

Z/18Z D 2Z/18Z D 6Z/18Z 5 18Z/18Z

?Hks. HFK, KFH, HUKSG.

3. H ∈ G, k ∈ L ∈ G ⇒ H F ∈ H L

f. lel= 52×7? 具有35阶正规子群

5. HK=G > Va, beg (aHnbk + Ø)

ain bK = a (Hnatbk) > Vgeg &(Hngk +ø)

=> HEA, g=hk h= 500k gkt & Hngk

= h = H ngk, h=gk, g= hkT e Hk

t. G有限Abel 君年, O(a) = polm, O(x)=PBn

 $(1) \ \underline{y} = \alpha^{pa} x^{n}, \ \ n(\lambda^{pd}) = m \quad O(x^{n}) = p^{p}$ $[0] \ O(y) = p^{p} m > p^{d} m = o(\alpha)$

Ba 使 O a)最大, ∀x∈ a a(x) | ○ (A)

B M=D(a) , xM=e |A|≤m=(<n>)≤|E|

金切ってのシ

| HUK||H , HUK||K| , HUK |= |, HUK= se |

12> H=G, F=G=> ThEA V&ER (hp=kh)
hp=kh= → hp(kh) = e ← hphipie HAK