





13-lems: 12: 43-cycle is commutator: (abc)=(ab)ac) (ab)(ac)
(京本ISn:An] O+も And Commurator 生成 こAn · Sn'(定义) ~ は)
又すSn/An X=動物でycle y=新物でycle,xyt-Sn
XAn yAn = Xy An = An = yAn XAn ; 1引理其之奇陽性
Sn/An Abel
THOG. GIH Abel = G'EH (ThENE) => Sn' = An (HA)
H)+(H): Sn'=An
AIDOH, HOAn=HOSn'=513
HoSn
:4 = Z(Sn)= F19 since n >5 >3
JHOSn, H7An => then H=seq or H=Sn
AD M. Y. C. SOTHER COURSE Worm to Wild normal Cubamus
This: Y group G with order n, isomorphic to a permutation group: Su
$AEG = \{g_1g_2, g_n\}$
$\pm 377 \times 9 \times 60$ , define a permutation $999 \rightarrow 91 \times 100$
多知文 bin Gi>G · x x + Sn
方是: G=fx=x6G3
\$ : 91 > 91x 9 = 91 > 91y ; \$\hat{y}(g) > \hat{x}(g) > \hat{y}(g) > \hat{y}(g) \tag{y} dosed
显然 Ĝ = G (homoi)I-T) Ĝ is group
Ĝ < Sn Since Y x + G, x + 1G1=1Sn1 => 130!
PMK + Ygi.gitG. FxtG S.t. gix=gix=gix=gi since G finite
$\therefore \hat{G}$ is transitive on $\Omega^{=6} \rightarrow \hat{G}$ , $\hat{G}$ . $\hat{G}$ the transitive
and fix gi.gi. & is unique
: Ĝis regular on GIRPIZTA identity permutation fix some
point of 12)
32 海华L的讲话和真3!