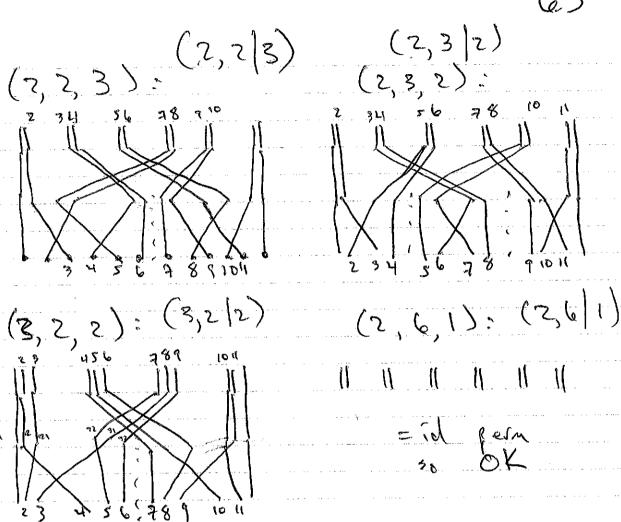
Stratey for the remarture: (4) h= m(1; h") n(h; 1) h+ (-(lun) Induct on (my nl).

(\*) inplies that is has a particular hind of suderlying permetation. It k+ 6(ab) at a post of the following perme as in (\*), then the Gables so choose my h in the preimage of the perm (3, b) no (a). No canonical TT (h) = TT (M(1; h")) TT (M(h'; 1)) 5p hom.  $= \mu(1; \pi(h')) \wedge (\pi(h'); 1)$ (air, ba) TT(h')

n=1: Both side, are id perus \( n=1: h= n(1;h") = n(1;m") , the \( Th'') = n(1;m") \), the \( Th'') = n(h'') = n(h'') \)

L=1: h= n(h';1) \( Same as m=1 \) n=n: n(h;1) fixes nlentries Eep. try to distinguish based on specific entries. 9/ l+2+ => π(h')(2)-l+2 9/ write π(h')(2).l+2= anl+ β, orpenl vo/ +> π(h")(β)+ anl h', h" l+2 + > + (h")(p) + Inl h', h" l+2 + > + (h')(2). L+2 = a'nl+p' +> + (h')(p') + a'n'l

(1, M, n) = (2M, 1, n)



· (l, n, 1) = id parm (lain: if (l, n, n) sises id perm, then n=1. Tolen: if n(h;1) moses something into another "block", then convot be relentify.

e (an reflect through the middle

let r be the reflection of one group

for to It to on, then

years vote of

No. 51 = 5,52

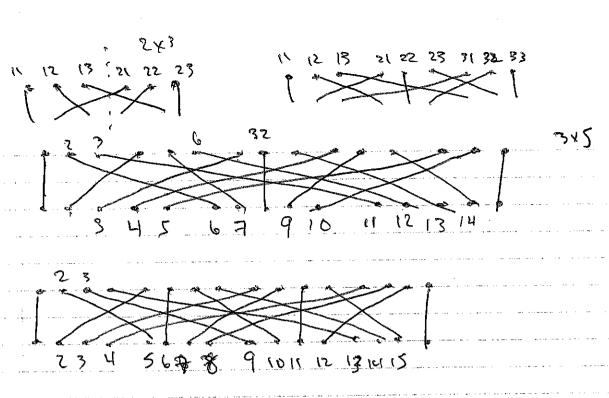
No. 50 = 5,52

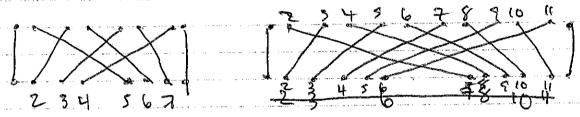
No. 100 m. (or m. (m.)

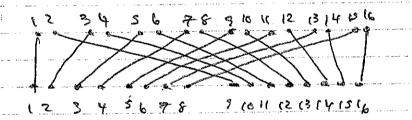
k', k" Shetch for: if (l, n/n)=(l, n/n) then l=l2, n=n2 n(1; h") n(h; 1) = n(1; k") n(h; 1) => \((l;h') \(\l(h')\) \(\l(h';l) = \(\l(h';l)\) fixes dements I ha for each block Show preimage if ha for LITS is not equal to preimage of ha for RHS Ltts preinne = n(h;1) (ln)

Pits preinne = n(h;1) (ln)

Tr(h) (nz) lz If These are ered or (h) (n) L= or (k) (n) Lz
We know Ln, = Lznz







$$\begin{array}{ccc}
\pi(h) & \mu \\
\pi(h) & (q_{12}) & = \pi(k) & (q_{12})
\end{array}$$

$$(1)(2354)(6) \quad (H_1 + 2, -1, -2) \quad (2\times3)$$

$$(3\times3) \quad (24)(37)(68) \quad (+2, -2), (+4, -47, (12, -2))$$

$$(23)(-+1, -1)$$

$$(261214104) \quad (+4+6, +2, -4, -6, -2) \quad (3\times5)$$

$$(31, 91357) \quad (+8, -2, +4, -8, +2, -4)$$

$$39(413)(410)(814)(1215)$$

1251(39)(413)(410)(814)(1215) +3 +6 +9 +3 +6 +3 (4,1,2,1,4,2)

(+3), (+6), (+9),

(2×4) (287) (253)(467)

( )

(2,2,2,2,1) (2,1,2,2,1) (3,3,4,2,2,1)

(2,0,1,2,2,1)

11 12 13 21 22 23 B1 32 33 41 42 43 11 12 13 4 5 6 7 8 9 10 11 12

 $(2\times6)$ : (27 + 10 + 63)(48)(27 + 810 + 6953)  $(3\times4)$ : (256+04)(397)( (+5,-3,+4,+2,+1,-5,+3,-4,-24-1)(256+04)(39+87) (+3,+1,+4,-6,-2)(+6,+2,-3,-1,-4)

> (12 15 14 15) (1 × 8); (2 9 5 3)(4 19 13 7)(6 11)(8 12)4 15) 17 -4 -2 -1 16 +3 -6 -3 +5,-5 +4+2+1-7

h ="h"h"

(540V)

i gerte

(2,2,3): (23468)(5111097) (2,3,2): (236481110795) (3,2,2): (247510119683) (3,2,2): (247510116953)(1,2,6): (274810116953)

f ;

( )