SZ= {1,2, n} W= <57 H general $6/g \Omega$: $h \circ x = h(x) \left(\frac{3i \cdot h = 5^{2}}{h \cdot x = 5(5(-(5(x))))} \right)$ Here $\Omega = 0$ 0(i) 0(i) 0(i) 0(i) 0(i) 0(i)Te. $i \in \Omega$ = $3 \cdot 5 \cdot k \cdot 1 \cdot 0 \cdot (i) = \frac{1}{5} \cdot \frac{5}{5} \cdot (i) \cdot \frac{5}{5} \cdot \frac{k-1}{5} \cdot \frac{1}{5} \cdot \frac{1}{5$

0(i/= } 8 (i) | j E Z / = 4 5 (i) | j = 0,1, - +-1/ 151=t (peg) -> 20>= \ id, 5, 52, -> 5t-1/2 K-mm meno: D(i/= hi, o/i/_ ok-1(i) Aco zn p = 9 5 (i) = 52 (i) = 5.0.0. 5 - 9 (i) = i : p-9 < K D(11= \i, \si\i), \si\(\i) \frac{1-q-1}{1} \frac{1}{2} $(S = (p-q)l+r, l < r < p-q', \sigma^{S}(il = \sigma^$ \rightarrow $\forall p \neq 2 \quad \sigma'(i) \neq \sigma''(i)$ 3.5. 5 (i) = i

$$\begin{array}{lll}
\frac{\partial p_{k}}{\partial t} & \delta = (i_{1}i_{2} - i_{3}k) & e & \text{squarm}, \text{ ones} \\
& - \delta(i_{1}) = i_{2}, \delta(i_{2}) = i_{3}, - \delta(i_{1}k) = i_{k}, \delta(i_{1}k) = i_{4}, \\
& - \forall j \notin \{i_{1}, -i_{k}\}_{j} & \delta(j) = j \\
& \frac{\partial p_{k}}{\partial t} & \frac$$

5 = 51 52 -- 5K Dig. 5-(i,--i,), T=(j,-is)-keskuamu yum, ones & i, ~ i & 1 / 1 / 1 / 5 / = 4 Tl. 5, 2 - bost your, Inkn 1) 57=75 2/1521=[151,121] 8-co 1) 5 = ([1-[1],]=(j1-js); [= | [1-ik], S= (in-is) J(F(x)) = Jx2+1 K: 52= IUJUK: K= 52 \ (IUJ)

$$INS = INK = JNK = S$$

$$- ieI; \sigma(i)eI; i, \sigma(i) \notin JUK$$

$$(\sigma El(i) = \sigma(T(i)) = \sigma(i); (T \sigma)(i) = T(\sigma(i)) = \sigma(i)$$

$$- jeS orma.$$

$$- keK (sEl(kl - ke - (T S)(k))$$

$$2l use goe, re (s > n < T > = {id})$$

$$SE(s) n < T > = {id}$$

$$- ieI (s(i) = T^{2}(i) = i)$$

$$- jeS (s(j) = \sigma(j) = j$$

$$- keK (s(kl - \sigma(k)) = ke$$

=) 1501=[151,101] (76.00 open) D-Co ku 170-i pegummo st. 30. 51,-- JK - H2 cor boshown your ,5-e. K = 52 (UI) ; D = I, U Z U L - i E I =) S(i | E Is $(\delta_1 - \delta_L)(i) = (\delta_1 - \delta_S)(\delta_{S+1} - \delta_L)(i) = (\delta_1 - \delta_S)(i) =$ $=\left(\delta_{1}-\delta_{5-1}\right) \left(\delta_{5}(il)=\left(\delta_{1}-\delta_{5-1}\right) \left(\delta(il)=\delta(il)\right) \right)$

305. 1/ (i) = id; 05 occusters pe armen gusenie c genauma 1 $\sum_{j=1}^{K} \frac{|O(i_j)| - \overline{I_j}}{\sum_{j=1}^{K} A_{k,j}} = N$ 2) Ans warmen $\rightarrow \sum_{j=1}^{K} \frac{|O(i_j)| - \overline{I_j}}{\int_{j=1}^{K} I_j}$ 3) Tim Tik ca 2x2 boshown yorch =) 121-712/=[121/m1216] Gn. 151=[151 / 15K] TG. T,- TK= 51- - 55; T, - TK u 51- 55 co versbecun Touch K=5 u meg opensnegage vourine about (3865k: Ti= 5s(i))

$$\frac{\delta_{-60}}{160} \left(\frac{\delta_{-60}}{\delta_{-60}} \right) = \frac{\delta_{-60}}{160} \left(\frac{\delta_{-60}}{\delta_{-60}} \right) = \frac{\delta_{-60}}{160} \left(\frac{\delta_{-60}}{160} \right) = \frac{\delta_{-60}}{160} \left(\frac{\delta_{-60}}{160}$$

Tl. + 3 E S. S. (in iz - ix), 3 = (g(i)) g(iz) - - g(iz)) Da Se = {in-in US = { s(in), ~ s(in) U { s(j) | j ∈ J 9 5=52 \ lin, nik \ Le ce apearor $-\hat{g}=1_{K} \left(S(i_{1}-i_{k})S^{-1}\right)\left(S(i_{j})\right)=S(i_{j+1})$ $-\forall j \in J \quad (s(i_1-i_k)s^{-1})(s(j)) = s(j)$ (n. 0 = (2,-ip) (j1-jq) - (K1-K5) (work. grann) =1505-1=(8(i,1-8(i,1)(8(j,1)-8(j,1))--(8(K,1)-8(Ks)) 300. $g(\delta_1 - \delta_{12}/8^{-1} = (5\delta_1 8^{-1})(5\delta_2 5^{-1}) - -(5\delta_{12} 8^{-1})$ 3 u. Der trepor co corpernor & umor equorder yearnorms
copyreologie Diff (ij) - Tankcom (i,-i,) = (iki) (iki2) -- (ikic2) (ikik-1) (Lkik-1)(ikik-2) - - (iki) (iki) the tarpor a toporologie un poncrosury (the beedpe menno tosabaramen) TB- (i,j,)(i,jz) - - (icejk) = id =) K - ceruo 3.60, [(ij) (ij) -id (kananta dy. c2) 2 (ij) (kl) = (kl)(ij) = (ikj)3 (ik) (ik) = (ik)(ik) = (ikj)4 (ij) (ik) = (ik) (ik) = (ikj) | 5 par(1) J=(j2)

 $\frac{(i\beta_1) - (i\beta_s)(\beta_1 \Gamma_1) - (\beta_t \Gamma_t) = i\delta}{(\beta_1 \Gamma_1) - (\beta_t \Gamma_t)}$ $= \frac{14}{(\beta_s)(\beta_1 \Gamma_1) - (\beta_t \Gamma_t) = i\delta}{(\beta_s \Gamma_1) - (\beta_t \Gamma_t) = i\delta}$ From i um (i *)(1-(),=i)where i where i $f(\wedge \cdot \cdot \cdot \gamma \cdot (i)=*)$ i = i Cn. $\delta_1 - \delta_K = \overline{\iota}_1 - \overline{\iota}_S$ ($\delta_i, \overline{\iota}_i - \overline{\jmath}_{onein}$) =) K = S(-od2)2-Co (ij/-1=(ij); $\sigma_1 - \overline{\sigma}_k, \overline{\iota}_s \overline{\iota}_{s+} - \overline{\iota}_1 = i\delta$ => K+5=0(4/21K=S(2) T=1 T1

Out
$$\delta = \delta_1 - \delta_{12} / \delta_{1} - \epsilon_{12}$$
 sign $\delta = (-1)^{k}$
 $\delta - \omega_{11} \omega_{1}$, and $\delta = \omega_{11} \omega_{12}$ (Singn $\delta = 1$)

 $\delta - \omega_{12} \omega_{13}$, and $\delta = \omega_{11} \omega_{13}$ (Singn $\delta = 1$)

 $\delta = \delta_{11} - \delta_{12} + \delta_{13} + \delta$