20 25,09.24.

3.1) Lagrange alapjan 14/E{1,2,4,83

|G|=H|·|H:G|

Q8 (i) (j) (h) S±13

restren rendezett halmazvendzer

3.2) 1G= {Z,+3, H=nZ Hro. conZ

But mellehosztalyok: 3+H={3+x.n:XEZZ {=

 $= (2n+3) + H = \{2n+3+h: hEH = n.21\}$ $(2G = Q_8 | H = \langle -1 \rangle = \{4, -1\}$

14=21,-18

iH = 2i, - i3 = - iH

j4={\$1-i5

nH=2h,-h3

G= S31 H= = (1, 12) {

|G| = 3! = 6 H = 2

|G:H|= |G| = 3

 $()H=\{(),(12)\}$

 $(13)H = \{(13), (13)(12)\} = \{(13), (132)\}$

 $(23)H = \{(23), (123)\}$