

4.1.2

$$(23)\chi_1 = \chi_4$$

$$(23)\chi_3 = (123) = \chi_5$$

$$(23)\chi_5 = (13) = \chi_3$$

$$(23)\chi_2 = (132) = \chi_6$$

$$(23)\chi_4 = \chi_1$$

$$(23)\chi_6 = (12) = \chi_2$$

5.2

$$\rho((12)) = (14)(26)(35)$$