

In  $D_5$  compute:

1.  $(\mu\rho)(\mu\rho^2)$

2.  $(\mu\rho^2)(\mu\rho)$

3.  $\rho^3\mu$

4.  $\rho^{-1}\mu$

5.  $\rho\mu\rho^2\mu\rho^4\mu$

6.  $(\mu\rho^3)^2$

Then compute the above products in  $D_8$ .