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.