Chris Hayduk Lecture 10, Exprise A IN = (1, 3, 46, 93 = N M= Ey (1) 1 103

11: 6-2 6/N G F 3N TT (11) = 12/1

C. Ker(TP) = 81, 3, 3 132)(123)

deck a N= Na 2gtb IN = 117 (123) N= E(123), (132) = N(132) (23)M = ((23), (13), (12)3

Ker (T) = El, (133)3=N F.ber 0101 = 9N 4a. Suppose Di G-SH 'Ajective homomorphism. er P(x) = P(y) And we have 6/Ker(P) = p(6) Since Dinjective, then 160 = 100 50 16/ker(2) = 16 Hence the # of files of By 1.1: DUG = 7A Hence X 14 = 6463

We have G/Ker(P) = p(6) (6) Ker (A) = D(6)