Chris Horduk Ledure 12-Exercise B 10/13/2000 Suppose 960= hog. For tigt Ga. 0= (/-1 g) 1 g 3/h. a = h. h. g. a J. h. a = (h. h. d). a J. G. G. G. 2. Ye have from Ex A that [(1) 1] = E(1,1), (2,2); (3,3)} Now we also have (200) = E1 (233. 7 (23)3 (23) Gan = El, (23)3 (12) (501) = {(12), (123)} (123) (123) = E (12), (123) } G(1) = E (13), (132)3

(132) Gay = E(13), (132)} 50, 11001 = 3 = 16: Gon 160,25= 813 (12) (ch) = (12)33 (23) (242) = 8 (33)3 (13) (60,0) = {(13)} (123) (Fags) = { (123)}

3. 1 El, 237 = 851, 33, 83, 83, 83, 43, XE [El, 23] 16x =) = 8/1x1 T. (6. P) = T. (12 x) x x - 18 x x x = 12 x3 x, x2 - 18 x, x4 + 11 x3 x, x4 x2 To= (1342) = 12 x3 x1 x2 - 18 x, x4 + 11 x3 x1 Ky x2

Na16 7.6(x, x,5),...) xv) = p(x, x) (..., xn) = q. p(xx, x, x, x, x, x, x) = ((Xq. h.1, Xg. h.2) ...) Xg.h.n) = (G.N). P(x,, x2, ..., xn)