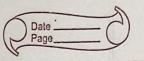
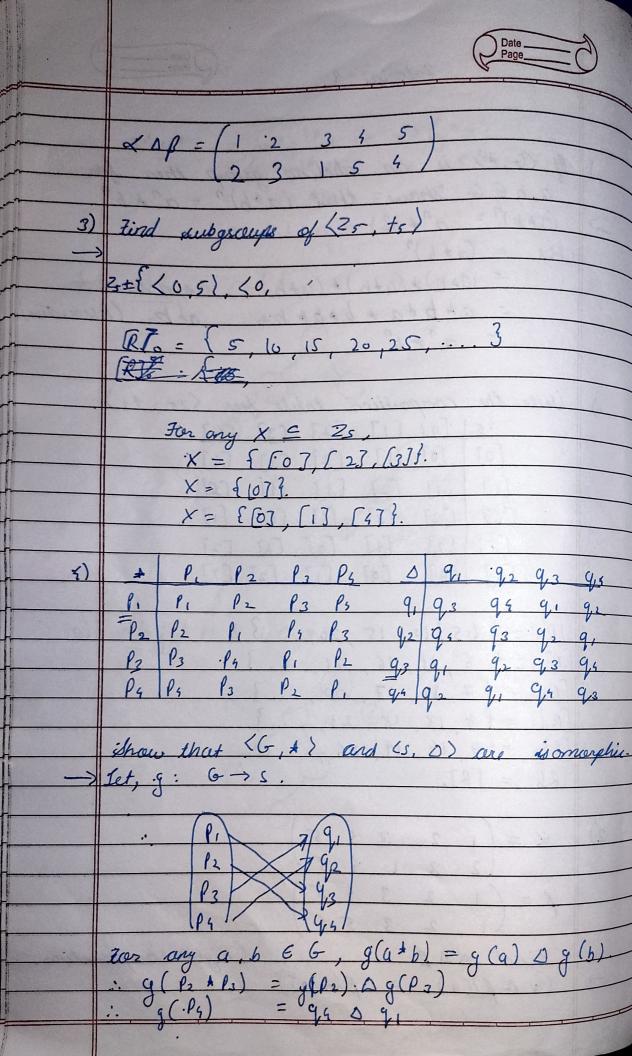
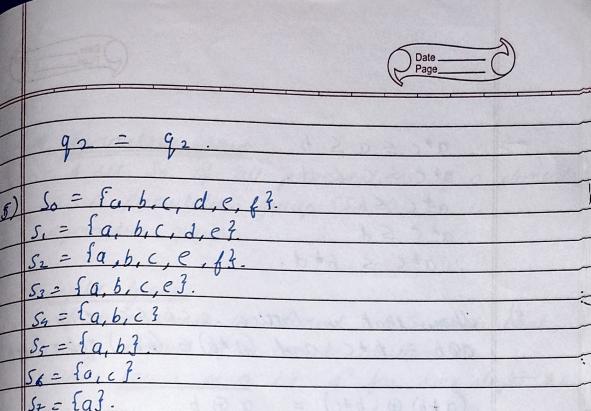
Zutorial - 9.

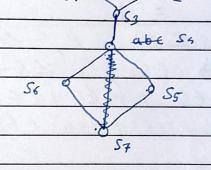


If (G, \pm) is an abelian group then for $a,b \in G$ show that $(a \pm b)^2 = a^2 \pm b^2$. 2 (0 + 6)7 = 0 + 60 IKS = (a + 6)" = (a+b) + (a+b) + (a+b) + n times. = a + b + a + b. A. b. + b. + . . . a + b. (Association) = a1+6" 1) Write the composition table for (25, +5). +5 1 [0.1 [1] [2] [3] [4] [O] [O] [1] [2] [3] [4]. [1] [1] [2] [3] [1] [0] [2] [2] [3] [4] [0] [1] [3] [3] [4] [0] [1] [2] [4] [4] [9] [1] [2] [3] Ro = \$15, 10, 15, 20, ... 3 [R], = \ 6, 11, 16, 21, ... } [Rab = {7, 12, 17, 22, ... } [R]3 = { 8 , 13 , 18 , 23 , ... [R]= {9,14,19,24,...} [R] = [R]. $\beta = \begin{pmatrix} 1 & 2 & 3 & 4 & 5 \\ 1 & 2 & 3 & 5 & 4 \end{pmatrix}$ Find $A \triangle B$ (Right composition. $(A \triangle B)(a) = B(A(a))$





Drave have diagram for SL, EZ, L={So, Sy...Sz}



8) Show that a lattice with 3 elements is a chain.

Rosible hasse diagrams for a 3 variable.

algebra are,

(a) (b) (c)

The house diagrams 4 and 10 don't have LUB and GUB home, a lattice with 3 elements is chain

show that in sattice if a = b, C = d then, a+c < b+d.

