Anthony Frazier C5CE 355 Sep 14, 2017

Testono

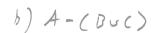
() 2 [1]- [4] = 2 [5.6,1] = { 0,253, 263,213, 25,63, 25,73, 26,13 } V

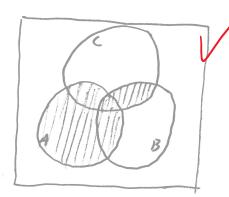
E(1,5), (1,6), (1,2), (2,5), (2,6), (2,7), (0,5), (0,6), (0,7), 3

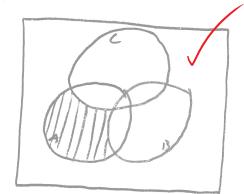
Consistent.

e) [5] 1 ([7]-[4])= {0,1,2,3,4,5} 1 {5,6,7} = {0,1,2,3,430{6,7}



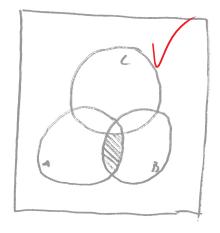


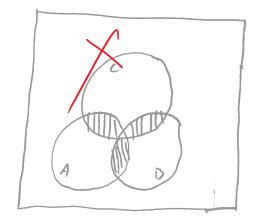






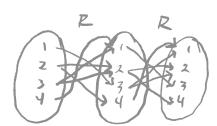
d) As(Buc) - (A-(Buc)) v (Bu(7-A)







ROR= { (1.1), (1,2) (2,2), (2,4), (2,1), (3,3) (3.2) (3.1) (4.3)}



Ros= { (1,3), (1,4), (2,2), (1), (3,1), (3,1), (3,2), (33), (4,1),(4,2) }

SoS = { (1,1), (1,2), (1,3), (2,2), (2,3), (2,4), (3,3) (3,4) +3 (4,4)3

5-1 0 R = { (1,27, (2,3), (2,2), (2,4), (3.2), (3.1), (3.1),

c) Rigne: ther symmetric (no (4,2) ) or transitive (contains (13) and (3.1) but of (111).)

d) Signeflexive (has (1.1) (3,2) (3,3) + (4.4)), Signot transitive,

(has (1,2) but not (2,1)), + '}

total number of Functions: 58

b) True +3

c) talse, will exclude the null set,

3)  $(\frac{3}{2})(\frac{4}{3}) = \frac{3!}{2!(1!)} = \frac{6}{2} = \frac{3!}{2!(1!)} = \frac{6}{2} = \frac{3!}{2!(1!)} = \frac{6}{2} = \frac{3!}{2!(1!)} = \frac{6}{2!(1!)} = \frac{6}{2!(1!)} = \frac{3!}{2!(1!)} = \frac{6}{2!(1!)} = \frac{3!}{2!(1!)} = \frac{6}{2!(1!)} = \frac{6}{2!(1!)} = \frac{3!}{2!(1!)} = \frac{6}{2!(1!)} = \frac{6}{2!} = \frac{$ 

$$\frac{4!}{3!(1!)} = \frac{24}{6} = 4$$