U = {a,b,c,d,e,...y,z}, A = {a,b,c,d} c = {d, e, f3, B = \$0, d3. a) AUCBUD = (AUB) NAUC LH-S= AUGBOC) 1 A U ( E c d 3 O E d, e, f 3 R. u-s = (AUB) n (AUC) = (& a, b, c, d) v {c, d} ) ( {a, b, e, d} v {d, e, f} = {a,b,c,d} [1 {a,b,c,d,e,f}] = {a,b,c,d}

6.0 
$$(AUB)' = A'DB'$$

L. M'S =  $(AUB)'$ 

=  $(fa,b,c,d)$   $(fc,d)$ 

=  $fe,f,g,h$   $(fc,d)$   $(fc,d)$ 

=  $fe,f,g,h$   $(fc,d)$   $(fc,d)$   $(fc,d)$ 

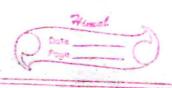
=  $fe,f,g,h$   $(fc,d)$   $($ 

```
{ 1, 3, 5, 15}
       C={ 1, 2, 4, 5, 10, 20 3
             1, 2, 3, 4, 6, 123 18 4, 3, 5, 153
=
           12,4,5,6,7,8---203
e
       AUC
       { 1, 2, 3, 4, 6, 12 3 U { 1, 2, 4, 5, 10, 20 }
      An CBUC)
             [1,3,5,150] U{1,2,4,5,10,203]
{1,2,3,4,5,10,20,153
3,4,6,123 (1 {1,2,3,4,5,10,20,25}
```

```
Ancouc) = { a, b, c, de 3 n(c, d, f, g, h ) U
                               fd, e, i, j, f, g 0})
= {a, b, c, d, e} n ({c, d, e, P, g, h, i, j
 {d,fig})'n {0, b, c, d, e}
(a, b, c, e, h, i, j } n f a, b, c, d, e ]
 (A-B) U C

{a, b, e } U { d, e, f, g, i, j}

{a, b, d, e, f, g, i, j}
```



## Subsets of A are:

$$= \begin{cases} 2, 3 \\ 2, 5 \\ 3, 5 \\ 2, 3, 5 \end{cases}$$

n (AnB) only = n(ANB) - n(ANBAC) = .99-56 = 43 n(Anc) only = n(Anc) - n(Anbac) = 62-56 = 6 nce ac) only = ncenc) - ncaneac) n(A)0 = n(A) - n (AABAC) - n(AAB)only - n(AAB)only = 159-(56+43+6) n(B) = n(B) - nCANBAC) - n CBRE) only - n (BAA) only = 195 - 56 - 43 - 47 n(C) = n(C) - n(ANBAC) - n(BAC) only-n(And) = 170-56-6-47 Trick: > (no(A)) -> For determination. minus with intersection part, we which A is tribing part