```
CASE []: YX & Z, CX & Bn) => (X & An), let n
be on arbitant interes 23,
i's Assume that the hypothesis is correct such that
N= K for some interes k and sul b in for a in (B)
     Bantl EZ
           27 bn +1 6 Z
           27 b 6+1 EZ
        => b(b/K+1/K)+1 EZ
           => b1/k + b/k +1 EZ
- b and (b+1) are coppine so if a K exsists such
that (b+1) can be divides into an interes in, the same K
can not divide b into an interex, so theses a contradiction.
.: Since case [] and case [2] Is false, An is not a
Subset of Bu and Bu is not a Subset of Au So Au ans
Bu must be disjoint
```