Claim. A = {3n:neZ3  $\Rightarrow B \neq A(2)$  $B = \{6n: neZ\}$ Hoof. Given A= {3n: nets B= { bn: n=Z }.  $\mathbb{D}_{B} \subseteq A$  We show:  $x \in B \Rightarrow x \in A$ . Given XEB. by defn of membership = 3.2k  $= 3n, n \in \mathbb{Z}.$ WB log closure of multin Z (2, k ∈ Z => 2k ∈ Z) Hence Text satisfies membership rules for A => XEA. By defr of subset, B SA. [] (8) 2) [] XEAS. TX &B | We find an elt of A not in B. Observe mot all XFB are even (by defin of even):  $x \in B \Rightarrow x = 3.2k = 2.3k$  by & and comm of mult in  $\mathbb{Z}$ by cloome of mult = 2m, meZ in Z (3, K+Z) = 3k+Z) But There are members of A Mat are odd, e.g., 3,6,15..... These members of A and most in B. [2] (8) B and A satisfy The depn of strict subject > BGA,