$\frac{\text{Claim}. A = \{3n: neZ3\}}{B = \{6n: neZ3\}} \Rightarrow B \neq A.$ Hoof. Given A = {3n: nez} B= { 6n: n= Z }. DB SA We show: XEB ⇒ X €A. by defn of membership in B Given XEB. TZ=6k, keZ = 3.2k = 3n, neZ.log closure of multin Z (2, k ∈ Z = 2k ∈ Z) Hence & satisfies membership rules for A => XEA. By defn of subset, B SA. [] (2) [] XEA S.t. X&B] We find an elt of A not in B. Observe That all $x \in B$ are even (by defin of even): $x \in B \Rightarrow x = 3.2k = 2.3k$ by \otimes and comm of mult in \mathbb{Z} = 2m, m e Z by closure of mult in 7 (3. Ket = 3+e7) in 1 Z (3, KET = 3KEZ) But There are members of A Mat are odd, e.g., 3,6,15,.... There members of A are not in B. [] B and A satisfy the defin of strict subat > BFA. I