3) In obtder to prove the Sets An and Bn are disjoint,
I will Prove that:
An & Bn and Bn & An
Case []
Case []: Assume $\forall x \in \mathbb{Z}$, $(x \in A_n) = \gamma (x \in B_n)$,
let n be an arbitanty interex = 3,
: Let a be a wieser such that on
- Assume antl is an interest and sub it into (A) Pob
the b value.
N1(b+1)
(A) NI (b+1)
=> n 1 (Can+1)+1)
=> n 1 (an+2)
=> NK = an + 2 (fox Some inteses K)
$z > K z \alpha + \frac{z}{h} R$
Contradiction
- This is a contendiction only in order for K to be an
2 . I be at the get which is impossible
IN 189 ED THEN N
as $n \ge 3$.