e) We can prove this via the contarpostive, this means if CTB) => CTA) is true then A => B : I true. .. the Statement becomes: if n is not odd then n3-h + 7 is not odd Where can further be simplifies to: if it is even then n3-4+7 is even We assume h is even (ZK for some intesta K) h3 - h +7 => (2K)3 - 2K+7 + Sub 2K+in for W 5> 8K3 - 2K+7 Za - ZK+7 (Sub la : 1 for 4ks Can interes) => 2Ca-k+3)+1 2) 20 +1 + let c be q-k+3 (an interes)

is the courte positive is faile so the orisand Statement is faile

K