A CBUD A-(Bnc)= (A-B) V(A-C) A-B== ANB ANBOC Set subtantin An (BUG) De Morgans las (ANB)U(AND) Distributive los (A-B)U(A-C) Substitute A-(Bnc)/ (A-B) v (A-c)

This proves the sets are equal because the two Venn Zingrum represent the same regultary set.

g: N-7N g(n) = 4 n2-1

Issue is, at g(0) =-1, t is not in the set of N. so
this function is invalid.

(+ function is an injerior if for all a,b, and f(w) = f(b), a =b.

g(n) is a one to one function for the domain

g(a) = g(b)

402-1 = 462-1

402 = 4 b2

 $\alpha^2 = 6^{24}$

of 2 b for a motoral numbers.

A furrent is an onto fundam if for every DEY there from X & Y

exists an element $a \in X$ such that f(a) = fb).

g(n) is not onto for the range of No.

At which b=0, there is no real number in $a \in \mathbb{N}$ that satisfies $g(\omega) = 0$ that.

$$a_{1} = (2n)(a_{1}-1)$$
 $a_{2} = 1$
 $a_{1} = (2)(1)(a_{0}) = 2$
 $a_{2} = (2)(2)(a_{1}) = 8$
 $a_{3} = (2)(3)(a_{2}) = 48$
 $a_{4} = (2)(4)(a_{3}) = 384$
 $a_{5} = (2)(5)(a_{4}) = 384$
 $a_{7} = 2^{x} \cdot x!$