```
() (g(m)) = { (m)/ = ceR & moeN of 0 = { (m) exg(m)}
       lim (m) = (m) = (m) = (0, 00)
             4 2 6 (O(m2))
   2 (g(m)) = { | (m) | 3 c e R gi no = N gi 0 = c g(n) }
           WE VIW)
     lim lim & Ostoo]
            O(y(m)) = { (m) | ∃ x ∈ R mor N ai ~ g(m) = (m) € crg(m)}
               M lugnt (m²)
1) ((n) & O (g(m)) (E) ((n) & U(y(m)) gi (m) & x (y(m))
                                                                                                                                                                                                                                                 ) (m) + O(qua)
  =)" \( (m) \in \text{ \text{ \congression \congression \text{ \congression \congression \text{ \congression \congression \text{ \congression \congression \congression \congression \congression \text{ \congression 
                                                                                                                                                                    I IME SCIGN
       (m) = O(y(m)) => Ja + R = m 1 t M = 1 0 = ((m) = (1g(m) + m>n)
           (m) & D(y(m)) => 3 c2 ∈ R m z ∈ N2 o? 0 = (z g(m) = 1(m) Vn2m
(z>0
             (5 d(w) = (1 d(m) : + w = wo + (w) ws)
        2) mox (fin 28(m)) & A (fin) +8(m))
                      X(n) & O(lm, gim) (=) { x(m) | ] CER BIMOE (N o.) (Ming) = x(m) = (Monthyles))
                                    mox((m) >4m) or O( (m) +9m) (x) (1 ((m) +9m)) = mox((m) +9m) = cx((m) +9m)
```

mox((m), 8(m) = cd((m) + g(m)) # 12 =1 mox (m gin) = (1 ((m) + gim) + (1 &

(=) mox((m,gem) & Ochwygm)

mox ((m sq cm)) & r ((m sq cm)) m 0x (((m) > g (m)) > ((m) > 4 m > m 0 mox (((m) 28(M) > 8 cm) 0 + ~ 3 mo

> z max (lusgins) z lin +gm) max { | sy) = { ((w) ym))

2 & 0 (2°) 2 + 0(2)

2 K (. 2 + m)

5 (m) 29 (m)

(m) ≥ y(n)

(m) 5 (m+ y m)

1 y(n) ≥ ((n))
y(n) = gn+((n))

2"= C 4m (x)

Tim este al puto Oin3)

0 (8 (m) = { (m) | Y 6,00 a. 0 = l (m) ≤ c. g (m) }

w(y(m)) = { (m) / 4000 si 0 = c.ycm) = (m) }

Wigins noigens = ? Ø

(m) & w(y(m)) => +(1 >0 = m) = ai. 0 = (1y(m))

Fie lime A

fine w (yin) => fino } mit N al. osci gwzlm tomm (in) = 0 (gin) => + c2 >0 3 m EN* or. 0 < (1 mozczegus) + 2 mz

(.y(m) ~ ((m) , + n > mox(m1,n2) (X)

```
(m+a) & O (mb) Ya & R+
Yb& N*
     O(y(m)) - { [m] | ∃ x ∈ R mor N oi x, g(m = | (m) € crg(m) }
     (m+0) & O(m) (=) 3 so Rm = N al. cime (m+0) = cin
Λ ( ^b)
        P(m) + g(m) & O (min c (m)+ g(n))
                                         a & a=0
```

2 m t O(m) => 2 m t ((2")

25Um