```
: \bigcap_{m \in \mathbb{N}} \bigcup_{n \in \mathbb{N}} A_{n,m}.
                       An. m = {x & R; n-1 < x < m+n+1}
2) A U A MEN
 Ustalany m-a:
                                                     m = 1
U A ma = ?
 U A mio = ?
                                                                                                      V Am, 2
        A .. = {x & R: 0-1 < x < 0+0+1}
                                                        A. 1 = {x & R: 0 - 2 < x < 1+0+2}
                                                                                                        A .. 2 = {x GR : 0-2 < x < 2 +0+4}
              = <-2,1)
                                                               z \leftarrow \lambda, \lambda
                                                                                                               = <-2, 3)
                                                                                                         m=1
                                                        A1,1={x6R:1-25x4 1+1+1}
        Ano = [x & R: 1-2 5 x 2 0+1+1]
                                                                                                        A1.2 = {xcR: 1-2 < x < 2+1+1}
                                                        m=2 = <-1, 3)
             = <-1,2)
                                                                                                              = < -1, 4)
                                                       Az 1 = {x ∈ R: 2-26 x < 1+2+13
         m = 2
                                                                                                         m=1
         A . . = {x & R : 2-2 & x < 0+2+2}
                                                               = < 0,4)
                                                                                                        A2.2 = {x & R: 2-2 & x 2 2+2+4}
              = < 0,3)
                                                                                                             = (0,5)
       NEN A mio = (-2,400)
                                                                                                        U Amiz = (-2,+0)
                            Pnypustoramy
                       MEN MEN A M, m = (-2,+0)
        Xf A LET Y KG AL
        X6 U At (=) 3 X6At
    Niech X. O J An, m(E) & X. O U An, m(E) & 3 X & An, m(E)
                     Anim = {x6R:n-1 < x < m+n+1} (=) \frac{1}{meN} (x0 > m-2 x x comens)
                            hamsporggia (1) jesali xo <-2 to
                                                                       V<sub>o</sub> : x<sub>o</sub> € ∩(!, ¢) x<sub>o</sub> € (~1,+m) hearthwigh
                            X & AUAmon
                                                                       (d) x, & AU ... =) x, & <-1,++ ~ > x, & <-2,++) =) 2, & AU ...
                            ho wie jest spetnione
                                                                       (2) x, € <-2,+0) =) x, € ∩ U...
                               X0 > 20-2 hodla n=0
                          (2) Jeśli xo>-2
                          WEN NEW (x0 > n-2 x x0 < m+4 +4)
                                    Finally (x<sub>0</sub> × n-2) A V Finally (x<sub>0</sub> × n+1+1)

(c) Utilalamy downly m<sub>0</sub> G [N

m o jot n = 0

Finally n × n-m-1

MG N

x<sub>0</sub> -m<sub>0</sub> o -1 < n

haidy n × n-m-1

to debet is under
                                                                staža caepo istuzija talii M
                                       2 atem:
                                                                          Mp: n= Lx,-mo-1]+1
                                                  An,m = (-2+0)
```