optym 1960 Dinor Stat 5000 助力 one, D. HUS CIA), MUNCOS) MUSB(C), MUNG(C). So Floyd's method for cordectness.

- ontry point xix. -prodieate. partial correctmens. toumhation x(n,v,a), X(P) 1) soarch (m, o, a, P). 9(x): 0,50 < va. 1 0,5025 -- 500 Y(x,2): 1 ≤ P < m 1 op ≤ a < up+1. , UA:=1+m. Subalg search (Mora, p) b. - A.g (x). sei, den realiste (B<d), do B. voseazvd. me (p+d)/2.
If (a 20m) then d t m. UB-0-0. D.t.m.t.1. · C: (4(x,8) UC:=0 end Gewich

(p,d) (p,m).

```
RUAB :- D < d
RXBB, = (0<d) 110com)
RXBB, = (A < d) 1 (a > om).
Rx BC := 7( Ded) F S> d => p=d
```

"XAB"= (D,d) = (1,m). MX BB: = (P,d) = (10,m) ~ x BB2 = (p,d) = (m,d) MX BC := (P) = (D)

VCXAB HXHY, VISAKUM N.VISUZE LEUM, N BKd> -> (Vn & a < od) (P,d) + (1,m).

D=1, d=m. } -> VD & a < Vd.,
V1. & a < Vm. } -> VD & a < Vd.,

VEXBB, HXVY. (ND Sa 20d) A (ACd) A (acvm) -> VD Sa 24/ /MX BBL

oroxakod for as acom

VEXBB2, XXXY(Vpsa<od)A(D<d)A(a>om))->

~ (or p < a < ord). / (b,d) < (m,d)

NC XBC. AXAY. ND (a < Ng V D= g => 1 3 bim V Atak N VP < a < VP+1 / (P) + (0). P = P. VPSQLUPTI. Vosal Noti, -> true TC XAB XXXX, VI {Q&VM N VI {UZ { -- {VM N D < d >> them > d-s / (p,d) (1, m), (=) 1 em > m - 1. (Tour. TC XDB, XXXX, (VOSACUd) 1. (OKd) Maxom) ->. -> d-n>d-n'/(6',d') = (p,m), d-b>d'-n' / >> d-n> m-n=> d>m / True

m= (0+d)/2 TCXBB2 +X+x (VD < a < Vd) A (D < d) A (a > om) -> ~d-A>d'-D'/ (D',d5=(m,d) d-pod'+p' fod-pod-m. (5) n < m. (1) (5) m. (2) TCXBC +X+Y VDS Q < Vd. N. D=d > .d-S>0. / PE,

2) god (m, m, d) q(x): me M n me et. Y(x,2):= d=god (M, M2). A 9 (x) Subalg god (m, me, d) is. UATZMARM2 dem, $i \in m_2$ while $id \neq i \neq i \geq 0$ do

if (d > i) then $d \neq d - i$ doze $i \neq i - d$ B: (d,1)=(M, Me). Remark (a,b)=god(m,b).
Ub: d+1. C. P(X,2) Uc:0 MXAB. (d,i) = (m, m2) | RXAB d x i 1 1 >0. BB, d≠1/1/20.1/21. TXBB, ded-1 BB2 d+1 A 120 nd <1. MXBB2 iEi-d BC 7(d=1/18>0)=d=1V160. BC ((sm, m)=(i, b). <- o<iAith A. Mash usell modern Attain KARA «схы» (d, i) = (m, m2) л d+inisondsi -> (d', i) = (m, m2) / d'ed-i (d-i,i) = (m, m2) True (exBB2 (d,i) = cm, me) n d + i n i so n d < i . " (d',i) = (m, me)

oc x oc (d, i-d) = (m, m,) frue vc x oc (d, i)= (m, m,) A d= i vi ∠o. >. d= (m, m, 2) frue d= (d,d) = (m, m2)