

INSTITUTUL POLITEHNIC "TRAIAN VUIA" TIMISOARA
FACULTATEA DE CONSTRUCTII

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ANEXA LA TEZA DE DOCTORAT

CONTRIBUTII LA STUDIUL MISCARII FLUIDELOR REALE
INCOMPRESIBILE IN REGIM TURBULENT PRIN
SEMIDIFUZOARE PLANE

PROGRAME DE CALCUL

Conducător științific
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- 1978 -

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Prezenta anexă cuprinde un număr de cinci programe de calcul, din cele douăzeci și două cîte au fost rulate pentru analiza semidifuzoarelor plane studiate și prezentate în teza de doctorat.

Programele prezentate reprezintă tipurile de bază folosite, exemplificînd cazurile a două semidifuzoare: unul fără desprindere ($\text{ALFA} = 6^\circ$; $H = 0.5$; $A_1 = 0.03 \text{ m}$; $B = 0.06 \text{ m}$), celălalt cu desprindere ($\text{ALFA} = 30^\circ$; $H = 0.5$; $A_1 = 0.03 \text{ m}$; $B = 0.06 \text{ m}$).

Aceste programe au fost întocmite pe baza schemelor logice prezentate în teza de doctorat în cadrul capitolelor V și VIII.

SEMIDIFUZOR PLAN FARA DESPRINDERE

ALFA = 6° H = 0.5

ZONA MISCARII POTENTIALE

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0184 DIFUZOR AN = 0000 PH = 0003 P106 = 28/06/78
 MDEB = 22H 56M 27S H.FIN = 22H 56M 45S TIME = 00001459
 LCP = 00040 MEM = 00020 LO = IN = 00001 OUT = 00000
 X1/XG= JF: *G= HF. G= F

EOJ
 JOB DIFUZOR,AN:0000,PN:V-TURKOP
 SEG RANPRINC
 COMPILE FORTRAN,DBL
 FORTRAN STARTED
 FORTRAN 00.00

DIFUZOR 28/06/78 20.37.55

0

```

1 * SEGDATA XPYP,XOAG,XY,VXVY+VABS
2 * DEFINE FILE *3=106
3   DIMENSION XP(302),YP(302)
4   DIMENSION XO(302),A(302),G(302)
5   DIMENSION Y(11,62),Y(11,62)
6   DIMENSION VX(10,62),VY(10,62)
7   DIMENSION V(10,62)
8   COMMON /XPYP/XP,YP
9   COMMON /XOAG/XO,A,G
10  COMMON /XY/XY
11  COMMON /VXVY/VX,VY
12  COMMON /VARS/V
13  PI=3.14159265358979
14  CALL RAD01(PY,I1,H)
15  CALL RAD02(Y1,H)
16  STOP
17  END

```

FORTAN 00.00

DIFUZOR 28/06/78 20.37.55

1

MODULE	NAME	TYPE	C	LONGUEUR	SIZE
MODULE	VABS	TYPE	C	LONGUEUR	1360 (04960)
MODULE	VXVY	TYPE	C	LONGUEUR	2600 (09920)
MODULE	XY	TYPE	C	LONGUEUR	2200 (10912)
MODULE	XOAG	TYPE	C	LONGUEUR	1050 (07240)
MODULE	XPYP	TYPE	C	LONGUEUR	1200 (04832)
MODULE	FXMATA	TYPE	D	LONGUEUR	0000 (00232)
MODULE	FXMAIN	TYPE	P	LONGUEUR	0040 (00064)

***** FIN DE COMPILATION (PLUS HAUT NIVEAU D'ERREUR RENCONTRE = 0)

20.38.01

SEG RAD1
COMPILE FORTRAN,DBL
FORTRAN 00.00

DIFUZOR 28/06/78 20.38.02

0

```
1 * SEGMENT XY,XPYP,XOAG
2   SUBROUTINE RAD01(P1,I1,H)
3   DIMENSION X(11,62),Y(11,62)
4   DIMENSION XP(302),YP(302)
5   DIMENSION XO(302),A(302),G(302)
6   COMMON /XY/X,Y
7   COMMON /XPYP/XP,YP
8   COMMON /XOAG/XO,A,G
9   CALL CALC1(P1,J1,J2,H)
10  CALL CALC2(P1,J1,J2,H,K1,I1)
11  CALL CALC3(P1,K1,H)
12  CALL CALC4(P1,K1,I1)
13  RETURN
14  END
```

FORTRAN 00.00

DIFUZOR 28/06/78 20.38.02

1

MODULE	XOAG	TYPE	C	LONGUEUR	1050 (07248)
MODULE	XPYP	TYPE	C	LONGUEUR	1200 (04832)
MODULE	XY	TYPE	C	LONGUEUR	2000 (10912)
MODULE	RAD01	TYPE	P	LONGUEUR	0160 (00352)

***** FIN DE COMPILATION (PLUS HAUT NIVEAU D'ERREUR RENCONTRE = 0)

20.38.07

SEG RAD2
COMPILE FORTRAN,DBL
FORTRAN 00.00

DIFUZOR 28/06/78 20.38.08

0

```
1 * SEGMENT XY,VXVY+VABS
2   SUBROUTINE RAD02(I1,H)
3   DIMENSION X(11,62),Y(11,62)
4   DIMENSION VX(10,62),VY(10,62)
5   DIMENSION V(10,62)
6   COMMON /XY/X,Y
7   COMMON /VXVY/VX,VY
8   COMMON /VABS/V
9   CALL CALC5(I1,H)
10  CALL CALC6(I1)
11  CALL CALC7(I1,H)
12  RETURN
13  END
```

FORTRAN 00.00

DIFUZOR 28/06/78 20.38.08

1

MODULE	TYPE	C	LONGUEUR	
MODULE VABS	TYPE C		LONGUEUR	1360 (04960)
MODULE VXVY	TYPE C		LONGUEUR	2600 (09920)
MODULE XY	TYPE C		LONGUEUR	2000 (10910)
MODULE RAD02	TYPE P		LONGUEUR	0000 (00210)

***** FIN DE COMPILATION (PLUS HAUT NIVEAU D'ERREUR RENCONTRE = 0) 20.38.13
 - SEG 34
 - COMPILE FORTRAN, DBL
 FORTRAN 00.00 DIFUZOR 28/06/78 20.38.14 0

```

1 * SEGMENT XPYP
2 SUBROUTINE CALC1(PI,J1,J2,H)
3 DIMENSION XP(302),YP(302)
4 COMMON /XPYP/XP,YP
5 6 FORMAT('1' 257X,'H=',F10.8,' ',55X,'16(' '*')')
6 H=0.5
7 WRITE(108,6) H
8 D=4.775
9 D1=12.0*(1.0-H)
10 J1=INT(40*n11+62)
11 XP(1)=0.0
12 YP(1)=0.0
13 DO 8 N=2,J1
14 XP(N)=-1.5+FLOAT(N-2)/40.0
15 IF(XP(N).LE.0.0) GO TO 9
16 IF(D.LE.XP(N)) GO TO 10
17 YP(N)=(1.0-H)+(1.0-XP(N)/D)
18 J2=N
19 GO TO 11
20 9 YP(N)=1.0-H
21 GO TO 11
22 10 YP(N)=0.0
23 11 B=XP(N)
24 XP(N)=XP(PI+B)*COS(PI+YP(N))
25 YP(N)=XP(PI+B)*SIN(PI+YP(N))
26 8 CONTINUE
27 RETURN
28 END

```

FORTRAN 00.00

DIFUZOR 28/06/78 20.38.14 1

MODULE	TYPE	C	LONGUEUR	
MODULE XPYP	TYPE C		LONGUEUR	1200 (04832)
MODULE CALC1	TYPE P		LONGUEUR	0200 (00680)

***** FIN DE COMPILATION (PLUS HAUT NIVEAU D'ERREUR RENCONTRE = 0)
SFG 89
COMPILE FORTRAN, DBL
FORTRAN 00.00

20.38.22

DIFUZOR 28/06/78 20.38.23

0

```
1 * SEGMENT XPYP,XOAG
2 SUBROUTINE CALC2(PI,J1,J2,H,K1,I1)
3 DIMENSION XP(302),YP(402)
4 DIMENSION XO(302),A(302),G(302)
5 COMMON /XPYP/XP,YP
6 COMMON /XOAG/XO,A,G
7 FORMAT('1',54X,'TARELUL XO(K1) , A(K1) , G(K1)'/',49X,34('*')/'0
8 '1',108X,'PAGE',I3)
9
10 12 FORMAT(' ',17X,98('*'))
11
12 14 FORMAT(' ',17X,'1 XO(',I3,')=',E22.15,' | A(',I3,')=',E22.15,' | G
13 ('',I3,')=',E22.15,' |')
14
15 K1=1
16 B=PI*(1.0-H)
17 XO(K1)=2.0+83N(B)
18 YO=-2.0+COE(B)
19 R=2.0
20 A(K1)=XO(K1)
21 G(K1)=PI/(PI-B)
22 M=1
23 INDEX=1
24 CALL TRANS(A(K1),G(K1),XO(K1),INDEX,M,J1)
25
26 18 IF(((YP(M+1)-YP(M))/(XP(M+1)-XP(M)))_LE_((YP(M+2)-YP(M+1))/(XP(M+2)
27 1)-XP(M+1)))) GO TO 15
28 IF(YP(M+2)_EQ_0.0) GO TO 21
29
30 K1=K1+1
31 XA=XP(M)
32 YA=0.0
33 XB=XP(M+1)
34 YB=YP(M+1)
35 XC=XP(M+2)
36 YC=YP(M+2)
37 CALL CERC(PI,XA,YA,XB,YB,XC,YC,XO(K1),YO,A(K1),R,B,G(K1),W)
38 IF(YO_LT_0.0) GO TO 51
39 XO(K1)=(XP(M+2)+XP(M))/2.0
40 YO=0.0
41 R=(XP(M+2)-XP(M))/2.0
42 A(K1)=R
43 B=PI/2.0
44 G(K1)=2.0
45 INDEX=1
46 CALL TRANS(A(K1),G(K1),XO(K1),INDEX,M,J1)
47 GO TO 18
48
49 51 IF(W_EQ_0.0) GO TO 41
50 INDEX=7
51 CALL TRANS(A(K1),G(K1),XO(K1),INDEX,M,J1)
52 M=M+1
53 IF(YP(J2)) 18,19,18
```

FORTRAN 00.00

DIFUZOR 28/06/78 20.38.23

1

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48
49
50 41 IF(XP(J1)_LE_(XO(K1)+A(K1))) GO TO 70
51 J3=M+2
52 20 J3=J3+1
53 IF(XP(J3)_LE_(XO(K1)+A(K1))) GO TO 17
54 INDEX=2
55 CALL TRANS(A(K1),G(K1),XO(K1),INDEX,M,J1)
56 M=M+2
57 IF(YP(J2)) 18,19,18
58
59 17 IF((YP(J3)-YH-SQRT(R+R-(XP(J3)-XO(K1))*2)).GT_0.0) GO TO 20
60
61 70 K1=K1-1
62 15 HT=SQRT((XP(M+3)-XP(M+2))*(XP(M+2)-XP(M+1)))
```

```

50     IF(YP(M+2).LE.HT) GO TO 22
51     K1=K1+1
52     XO(K1)=(XP(M+3)+XP(M+1))/2.0
53     YO=0.0
54     R=(XP(M+3)-XP(M+1))/2.0
55     A(K1)=R
56     B=PI/2.0
57     G(K1)=2.0
58     INDEX=6
59     CALL TRANS(A(K1),G(K1),XO(K1),INDEX,M,J1)
60     GO TO 18
61 22  K1=K1+1
62     XA=XP(M+1)
63     YA=0.0
64     XB=XP(M+2)
65     YB=YP(M+2)
66     XC=XP(M+3)
67     YC=0.0
68     CALL CERC(PI,XA,YA,XB,YB,XC,YC,XO(K1),YO,A(K1),R,B,G(K1),W)
69     INDEX=5
70     CALL TRANS(A(K1),G(K1),XO(K1),INDEX,M,J1)
71     GO TO 18
72 21  HT=SQRT((XP(M+2)-XP(M+1))*(XP(M+1)-XP(M)))
73     IF(YP(M+1).LE.HT) GO TO 23
74     K1=K1+1
75     XO(K1)=(XP(M+2)+XP(M))/2.0
76     YO=0.0
77     R=(XP(M+2)-XP(M))/2.0
78     A(K1)=R
79     B=PI/2.0
80     G(K1)=2.0
81     INDEX=4
82     CALL TRANS(A(K1),G(K1),XO(K1),INDEX,M,J1)
83     GO TO 21
84 23  K1=K1+1
85     XA=XP(M)

```

FORTRAN 00.00

DIFUZOR 28/06/78 20.38.23

2

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96     YB=XP(M+1)
97     YB=YP(M+1)
98     XC=XP(M+2)
99     YC=0.0
100    CALL CERC(PI,XA,YA,XB,YB,XC,YC,XO(K1),YO,A(K1),R,B,G(K1),W)
101    IF(W.EQ.0.0) GO TO 96
102    INDEX=7
103    GO TO 60
104 50  INDEX=3
105 60  CALL TRANS(A(K1),G(K1),XO(K1),INDEX,M,J1)
106    M=M+2
107    IF(YP(J2).NE.0.0) GO TO 18
108 19  I0=(J1-58)/4+1
109    NP=0
110    DO 13 NP+1,K1
111    IF(NP.EQ.0) GO TO 44
112 45  PRINT 14,N,X0(N),N,A(N),N,G(N)
113    NR=NR+1
114    IF(NR.LT.50) GO TO 13
115    PRINT 12
116 44  NR=0
117    NP=NP+1
118    PRINT 7,NP
119    PRINT 12
120    IF(NP.EQ.1) GO TO 45
121 13  CONTINUE
122    PRINT 12
123    RETURN

```

MODULE	XOAG	TYPE	C	LONGUEUR	1050 (07248)
MODULE	XPYP	TYPE	C	LONGUEUR	12E0 (04832)
MODULE	CALC2	TYPE	P	LONGUEUR	0E60 (03680)

***** FIN DE COMPILATION (PLUS HAUT NIVEAU D'ERREUR RENCONTRE = 0) 20.38.46
 COMPILER FORTRAN.DBL
 FORTRAN 00.00 DIFUZOR 28/06/78 20.38.46

```

1      SUBROUTINE CERC(P1,XA,YA,XB,YB,XC,YC,XO,YO,A,R,B,G,W)
2      W=0.0
3      DX=(XC-XB)/100.0
4      1 P1=YA*(XB**2+YB**2-XC**2-YC**2)+YB*(XC**2+YC**2-XA**2-YA**2)+YC*(X
5      1A**2+YA**2-XR**2-YR**2)
6      R1=2.0*(YA*(YB-XC)+YB*(XC-XA)+YC*(XA-XB))
7      S1=XA*(XB**2+YB**2-YC**2-YC**2)+XR*(YC**2+YC**2-XA**2-YA**2)+XC*(X
8      2A**2+YA**2-XR**2-YR**2)
9      T1=2.0*(XA*(YB-YC)+XB*(YC-YA)+XC*(YA-YB))
10     P2=ABS(P1)
11     R2=ABS(R1)
12     S2=ABS(S1)
13     T2=ABS(T1)
14     IF((R2.EQ.0.0).OR.(T2.EQ.0.0)) GO TO 2
15     IF(P2.EQ.0.0) GO TO 3
16     V=ALOG10(P2)-ALOG10(R2)
17     GO TO 4
18     3 V=-ALOG10(R2)
19     4 IF(V.GT.30) GO TO 2
20     IF(S2.EQ.0.0) GO TO 5
21     V=ALOG10(S2)-ALOG10(T2)
22     GO TO 6
23     5 V=-ALOG10(T2)
24     6 IF(V.GT.30) GO TO 2
25     XO=P1/R1
26     YO=S1/T1
27     GO TO 7
28     2 XC=XC-DX
29     YC=0.0
30     W=1.0
31     GO TO 1
32     7 R=SQRT((XA-XO)**2+(YA-YO)**2)
33     A=SQRT(R**2+YO**2)
34     IF(YO.EQ.0.0) GO TO 8
35     IF(YO.LT.0.0) GO TO 9
36     B=PI/2.0+ATAN(YO/A)
37     GO TO 10
38     9 B=ATAN(-A/YO)
    
```



```

25 X=GO*S-A(N)*C(N)
26 50 Y=GO*T
27 IF(X.EQ.XP(1)) GO TO 63
28 TE=ATAN(Y/(X-XP(1)))
29 IF(TE.LT.0.0) TE=TE+PI
30 GO TO 66
31 63 TE=PI/2.0
32 TE1=TE-PI/20.0
33 R=SQRT((X-XP(1))**2+Y**2)
34 I=1
35 67 X=R*COS(TE1)+XP(1)
36 Y=R*SIN(TE1)
37 DO 68 L=1,K1
38 X01=X0(K1+1-L)
39 A1=A(K1+1-L)
40 G1=G(K1+1-L)
41 R01=((X+A1+G1)**2+Y**2)/4.0/A1/G1
42 R0=SQRT(1.0-Y/R01)
43 TE=ATAN(Y/(2.0*R01-X-A1+G1))
44 IF(TE.LT.0.0) TE=TE+PI
45 S=1.0-R0**2*(1.0/G1)*COS(TE/G1)
46 T=R0**2*(1.0/G1)*SIN(TE/G1)
47 GO=2.0*A1/(S*S+T+T)

```

FORTRAN 00.00

DIFUZOR 28/06/78 20.39.08

1

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48 X=X01-A1+GO*S
49 68 Y=GO*T
50 IF(I.GT.1) GO TO 69
51 X1=X
52 Y1=Y
53 TE1=TE1+PI/10.0
54 I=2
55 GO TO 67
56 69 X2=X
57 Y2=Y
58 I=1
59 X=X1
60 Y=Y1
61 70 R0=SQRT(X**2+Y**2)
62 IF(X.EQ.0.0) GO TO 71
63 TE=ATAN(Y/Y)
64 IF(TE.LT.0.0) TE=TE+PI
65 GO TO 73
66 71 TE=PI/2.0
67 72 Y=TE/PI
68 X=ALOG(R0)/PI
69 IF(I.GT.1) GO TO 74
70 X1=X
71 Y1=Y
72 X=X2
73 Y=Y2
74 I=2
75 GO TO 70
76 74 X2=X
77 Y2=Y
78 VX=H*(Y2-Y1)/10.0/((X2-X1)**2+(Y2-Y1)**2)
79 VY=-H*(X2-X1)/10.0/((X2-X1)**2+(Y2-Y1)**2)
80 V=SQRT(VX**2+VY**2)
81 PRINT 72,VX,VY,V
82 RETURN
83 END

```

FORTRAN 00.00

DIFUZOR 28/06/78 20.39.08

2

MODULE	NAME	TYPE	C	LONGUEUR	ADRESSE
MODULE	XOAG	TYPE	C	LONGUEUR	1030 (07248)
MODULE	XPYP	TYPE	C	LONGUEUR	1260 (04832)
MODULE	CALC3	TYPE	P	LONGUEUR	0880 (02224)

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**** FIN DE COMPILATION (PLUS HAUT NIVEAU D'ERREUR RENCONTRE = 0)          20.39.24
      SEG 54
      COMPILER FORTRAN, DBL
FORTRAN 00.00                                DIFUZOR 28/06/78 20.39.25

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```

1  * SEGMENT XY,XPYP,XOAG
2  * DEFINE FILE *3=106
3      SUBROUTINE CALC4(PI,K1,I1)
4      DIMENSION X(11,62),Y(11,62)
5      DIMENSION XP(302),YP(302)
6      DIMENSION XO(302),A(302),G(302)
7      COMMON /XY/X,Y
8      COMMON /XPYP/XP,YP
9      COMMON /XOAG/XO,A,G
10     16 FORMAT('1',4X,'T A B E L U L X ( K , N ) , Y ( K , N )')
11     07 FORMAT('1',4X,'7(10X,10X)')
12     18 FORMAT('0',12X,'PAG 1',I2)
13     19 FORMAT('1',12X,'1')
14     20 FORMAT('1',12X,'11(10X,10X)')
15     21 FORMAT('1',12X,'11(15,5X,10X,10X)')
16     22 FORMAT('1',12X,'11(10X,10X)')
17     23 FORMAT('1',12X,'11(10X,10X)')
18     24 FORMAT('1',12X,'11(10X,10X)')
19     25 FORMAT('1',12X,'11(F9.6,10X,10X)')
20     26 FORMAT('1',12X,'11(10X,10X)')
21     27 FORMAT('1',12X,'11(F9.6,10X,10X)')
22     28 FORMAT('1',12X,'11(10X,10X)')
23     DO 44 N=1,11
24     B=XP(4*N+54)-XP(1)
25     R=XP(1)
26     DO 44 K=1,11
27     X(K,N)=B+COS(PI*(K-1)/10.0)*R
28     IF((K.EQ.1).OR.(K.EQ.11)) GO TO 45
29     Y(K,N)=B+SYN(PI*(K-1)/10.0)*R
30     GO TO 44
31     45 Y(K,N)=0.0
32     44 CONTINUE
33     DO 48 L=1,K1
34     YO=XO(K1+1-L)
35     B=A(K1+1-L)
36     R=G(K1+1-L)
37     DO 48 N=1,11
38     DO 48 K=1,11
39     IR(Y(K,N),RO,0.0) GO TO 31
40     RO1=((X(K,N)+B*R)**2+(Y(K,N)+R)**2)/4/B/R
41     RO=SQRT(1.0+X(K,N)/RO1)
42     TH=ATAN(Y(K,N)/(2.0*RO1-X(K,N)-B*R))
43     IF(TH.LT.0.50) TH=PI-TH
44     S=1-RO*(1/R)*COS(TH/R)
45     T=RO*(1/R)*SIN(TH/R)
46     GO=2*B/(S+S+T+T)
47     X(K,N)=YO-R+GO*S

```

FORTRAN 00.00

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48      Y(K,N)=GO*T
49      GO TO 48
50      31 RO=ABS((X(K,N)-B*R)/(X(K,N)+B*R))
51      IF(((B*R).LT.X(K,N)) AND (X(K,N).LT.(B*R))) GO TO 33
52      X(K,N)=YO+R*(1+RO*(1/R))/(1-RO*(1/R))
53      Y(K,N)=0.0
54      GO TO 48
55      33 TE=PI
56      GO TO 34
57      48 CONTINUE
58      NP=0
59      DO 65 N=1,I1
60      DO 36 K=1,I1
61      RO=SQRT(X(K,N)*X(K,N)+Y(K,N)*Y(K,N))
62      IF(X(K,N).EQ.0.0) GO TO 37
63      IF(Y(K,N).EQ.0.0) GO TO 38
64      TE=ATAN2(Y(K,N),X(K,N))
65      IF(TE.LT.0.0) TE=PI+TE
66      GO TO 39
67      37 TE=PI/2.0
68      GO TO 39
69      38 IF(X(K,N).GT.0.0) GO TO 40
70      TE=PI
71      GO TO 39
72      40 TE=0.0
73      39 Y(K,N)=TE*PI
74      X(K,N)=ALOG(RO)/PI
75      IF(NR.EQ.0) GO TO 43
76      IF(NR.GT.0) PRINT 28
77      PRINT 25,(X(K,N),K=1,I1)
78      PRINT 26,N
79      PRINT 27,(Y(K,N),K=1,I1)
80      NR=NR+1
81      IF(NR.LT.13) GO TO 65
82      PRINT 24
83      43 NR=0
84      NP=NP+1
85      PRINT 16
86      PRINT 17
87      PRINT 18,NP
88      PRINT 19
89      PRINT 20
90      PRINT 21,(K,K=1,I1)
91      PRINT 22
92      PRINT 23
93      PRINT 24
94      IF(NP.EQ.1) GO TO 42
95      65 CONTINUE
96      PRINT 19
97      15 FORMAT(6X,'XD(','.12.')='',F17.14)
98      DO 60 N=1,I1
99      XD=X(11,N)
100     60 WRITE(106,15) N,XD
101     35 FORMAT(6X,'XC(','.12.')='',F17.14)
102     DO 75 N=1,I1
103     XC=X(1,N)
104     75 WRITE(106,35) N,XC
105     RETURN
106     END

```

FORTRAN 00.00

DIFUZOR 28/06/78 20.39.25

2

FORTRAN 00.00

DIFUZOR 28/06/78 20.39.25

3

MODULE	TYPE	C	LONGUEUR	
MODULE X0AG			1050	(07248)
MODULE XPYP			1200	(04832)
MODULE XY			2000	(10912)
MODULE CALC4			0800	(02992)

```

***** FIN DE COMPILATION (PLUS HAUT NIVEAU D'ERREUR RENCONTRE = 0)                20.39.43
:      SEG S4
:      COMPILE FORTRAN,DBL
FORTRAN 00.00                                DESUZOR    28/06/78 20.39.44

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1  * SEGMENT XY,VXVY
2  SUBROUTINE CALC5(I1,H)
3  DIMENSION X(11,62),Y(11,62)
4  DIMENSION VX(10,62),VY(10,62)
5  COMMON /XY/X,Y
6  COMMON /VXVY/VX,VY
7  16 FORMAT('1.45X,T A B E L U L   V X ( K , N ) ,   V Y ( K , N )')
8  17 FORMAT('1.40X,51(=)')
9  18 FORMAT('0.123X,PAR :',I3)
10 19 FORMAT('1.1X(=)')
11 20 FORMAT('1.1X(=)')
12 21 FORMAT('1.1X(=)')
13 22 FORMAT('1.1X(=)')
14 23 FORMAT('1.1X(=)')
15 24 FORMAT('1.1X(=)')
16 25 FORMAT('1.129(=)')
17 26 FORMAT('1.1X(=)')
18 27 FORMAT('1.13(=)')
19 28 FORMAT('1.1X(=)')
20 29 FORMAT('1.1X(=)')
21 NP=0
22 DO 30 N=1,11
23 DO 31 K=1,10
24 B=(X(K+1,N)-X(K,N))*+2+(Y(K+1,N)-Y(K,N))*+2
25 VX(K,N)=H+(Y(K+1,N)-Y(K,N))/B/10.0
26 VY(K,N)=-H+(X(K+1,N)-X(K,N))/B/10.0
27 CONTINUE
28 IF(NP.EQ.0) GO TO 32
29 33 IF(NR.GT.0) PRINT 30
30 PRINT 26,(VX(K,N),K=1,10)
31 PRINT 27,N
32 PRINT 28,(VY(K,N),K=1,10)
33 NR=NR+1
34 IF(NR.LT.13) GO TO 30
35 PRINT 25
36 32 NR=0
37 NP=NP+1
38 PRINT 16
39 PRINT 17
40 PRINT 18,NP
41 PRINT 19
42 PRINT 20
43 PRINT 21
44 PRINT 22,(K,K=1,10)
45 PRINT 23
46 PRINT 24

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FORTTRAN 00.00 47          PRINT 25                                DIFUZOR 28/06/78 20.39.44      1
48          IF(NP.EQ.1) GO TO 33
49          30 CONTINUE
50          RETURN
51          END
FORTTRAN 00.00                                DIFUZOR 28/06/78 20.39.44      2

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MODULE  VXVY          TYPE  C  LONGUEUR  2600 (09920)
MODULE  XY            TYPE  C  LONGUEUR  2AAN (10912)
MODULE  CALCS         TYPE  P  LONGUEUR  055A (0136R)

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***** FIN DE COMPILATION (PLUS HAUT NIVEAU D'ERREUR RENCONTRE = 0)      20.39.53
.      RFG SA
.      COMPILE FORTRAN,DBL
FORTTRAN 00.00                                DIFUZOR 28/06/78 20.39.54      0

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1  * SEGMENT VXVY,VABS
2  * DEFINE FILE *3=106
3  SUBROUTINE CALC6(I1)
4  DIMENSION VX(10,62),VY(10,62)
5  DIMENSION V(10,62)
6  COMMON /VXVY/VX,VY
7  COMMON /VARS/V
8  16 FORMAT('1' 4X, 'T A B E L U L V I T E Z E L O R A B S O L U T
9  1E')
10 17 FORMAT('  ',41X,55(' '))
11 18 FORMAT('0' 154X, 'PAR ',I3)
12 19 FORMAT('  ',5Y,127(' '))
13 20 FORMAT('  ',5Y,'I * ',10(41X,'I'))
14 21 FORMAT('  ',5Y,'I * ',10(46,5X,'I'))
15 22 FORMAT('  ',5Y,'I * ',10(41X,'I'))
16 23 FORMAT('  ',5Y,'I N ',10(44X,'I'))
17 24 FORMAT('  ',5Y,'I ',158(' '),'I')
18 25 FORMAT('  ',5Y,'I ',Y5,' ',10(F10.7,' '))
19 28 FORMAT('  ',5Y,'I ',10(44X,'I'))
20 NP=0
21 DO 26 N=1,I1
22 DO 27 K=1,10
23 27 V(K,N)=SQRT(VX(K,N)**2+VY(K,N)**2)
24 IF(NP.EQ.0) GO TO 30
25 30 PRINT 25,N,(V(K,N),V=1,10)
26 NR=NR+1
27 PRINT 28
28 IF(NR.LT.20) GO TO 26
29 PRINT 24

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```

30      29 NR=0
31      NP=NP+1
32      PRINT 16
33      PRINT 17
34      PRINT 18,NP
35      PRINT 19
36      PRINT 20
37      PRINT 21,(K,K=1,10)
38      PRINT 22
39      PRINT 23
40      PRINT 24
41      IF(NP.EQ,1) GO TO 30
42      26 CONTINUE
43      PRINT 19
44      15 FORMAT(6X,'VD(',I2,')=' ,F16.14)
45      DO 60 N=1,11
46      VD=V(10,N)
47      60 WRITE(106,15) N,VD

```

FORTRAN 00.00

DIFUZOR 28/06/78 20.39.54 1

```

48      35 FORMAT(6X,'VC(',I2,')=' ,F16.14)
49      DO 75 N=1,11
50      VC=V(2,N)
51      75 WRITE(106,35) N,VC
52      RETURN
53      END

```

FORTRAN 00.00

DIFUZOR 28/06/78 20.39.54 2

MODULE	VABS	TYPE	C	LONGUEUR	1360 (04960)
MODULE	VXVY	TVDF	C	LONGUEUR	2600 (09920)
MODULE	CALC6	TVDF	P	LONGUEUR	0400 (01190)

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***** FIN DE COMPILATION (PLUS HAUT NIVEAU D'ERREUR RENCONTRE = 0) 20.40.02
...
REG S7
COMPILE FORTRAN,DBL
FORTRAN 00.00
DIFUZOR 28/06/78 20.40.03 0

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```

1 * SEGMENT XY
2 * DEFINE FILE *3=106
3 SUBROUTINE CALC7(I1,H)
4 DIMENSION X(11,62),V(11,62)
5 DIMENSION nPrIn(61)
6 DIMENSION nPeIc(61)
7 DIMENSION eI(62)
8 DIMENSION nS(61)
9 COMMON /XY/X,Y
10 2 FORMAT(6X,'D=SID(',I2,')=' ,E22.15)

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380.336/

299 I

```

11      3 FORMAT(6X,'DPSIC(')E22.15)
12      4 FORMAT(6X,'FI(')E22.15)
13      6 FORMAT(6X,'DS(')E22.15)
14      I=I1-1
15      DO 9 N=1,I
16      DPSID(N)=SQRT((X(11,N+1)-X(11,N))**2+(Y(11,N+1)-Y(11,N))**2)
17      DPSIC(N)=SQRT((X(1,N+1)-X(1,N))**2+(Y(1,N+1)-Y(1,N))**2)
18      DS(N)=0.0
19      DO 9 K=1,10
20      DS(N)=DS(N)+SQRT((X(K+1,N)-X(K,N))**2+(Y(K+1,N)-Y(K,N))**2)+SQRT((
21      X(K,N+1)-X(K,N))**2+(Y(K,N+1)-Y(K,N))**2)
22      9 CONTINUE
23      DO 15 N=1,I1
24      FI(N)=0.0
25      DO 15 K=1,10
26      FI(N)=FI(N)+SQRT((X(K+1,N)-X(K,N))**2+(Y(K+1,N)-Y(K,N))**2)
27      15 CONTINUE
28      DO 10 N=1,I
29      10 WRITE(106,2) N,DPSID(N)
30      DO 11 N=1,I
31      11 WRITE(106,3) N,DPSIC(N)
32      DO 12 N=1,I1
33      12 WRITE(106,4) N,FI(N)
34      DO 14 N=1,I
35      14 WRITE(106,6) N,DS(N)
36      RETURN
37      END

```

FORTRAN 00.00

DIFUZOR 28/06/78 20.40.03

1

MODULE	XY	TYPE	C	LONGUEUR	ZAAO (10912)
MODULE	CALC7	TYPE	P	LONGUEUR	0668 (03176)

***** FIN DE COMPILATION (PLUS HAUT NIVEAU D'ERREUR RENCONTRE = 0) 20.40.13
 TREE RADPRINC+XY(RAD1+XPYP+X0AG(S1,S2,S3,S4),RAD2+VXVY+VABS(+
 R5,S6,S7))

0163 DIFUZOR AN = 0000 PH = 0001 PAGE = 25/06/75
M.DEB = 20M 37M 51S M.FIN = 30M 40M 15S TIME = 00000043
LCP = 00040 MEM = 00011 LD = IN = 00645 OUT = 00000
X1/X6- JF. *G- HF. 6- 1

LINK
LINK STARTED

AUCUNE ERREUR A L EDITION DE LIENS

0163 DIFUZOR AN = 0000 PH = 0001 P106 = 28/06/78
MIDEB = 20M 37M 51S MIFIN = 30M 40M 15S TIME = 00005043
LBP = 00040 MEM = 00011 LO = IN = 00045 OUT = 00000
X1/X6= IF. *G= HF. G= ;

. LINK
LINK STARTED

AUCUNE ERREUR A L EDITION DE LIENS

TABELUL X0(K1) , A(K1) , G(K1)

X0(1)	-2000000000000000E+01	A(1)	-2000000000000000E+01	G(1)	-2000000000000000E+01
X0(2)	-399995226470740E+01	A(2)	744634763315057E-04	G(2)	102087271308731E+01
X0(3)	-24209637020947E-04	A(3)	23602045918447E-04	G(3)	100909415783759E+01
X0(4)	-40347369090980E-04	A(4)	165306824416605E-04	G(4)	101430791346683E+01
X0(5)	-25897040464614E-04	A(5)	138412696493096E-04	G(5)	102779496206079E+01
X0(6)	-13196040450068E-04	A(6)	119895862148569E-04	G(6)	101405066675790E+01
X0(7)	437791733080670E-04	A(7)	316211234117267E-04	G(7)	101924424256540E+01
X0(8)	-480522095914710E-04	A(8)	258913191235856E-04	G(8)	103839760390369E+01
X0(9)	-248713466921204E-04	A(9)	225552170617633E-04	G(9)	101769480595911E+01
X0(10)	83988186333194E-04	A(10)	61033858921552E-04	G(10)	102566281648617E+01
X0(11)	88489455468672E-04	A(11)	48399537010441E-04	G(11)	105311555160363E+01
X0(12)	-469294400128947E-04	A(12)	424971026441780E-04	G(12)	102143950845982E+01
X0(13)	-162233040708944E-03	A(13)	118824821163115E-03	G(13)	103402753641883E+01
X0(14)	16180777076514E-03	A(14)	904601801332665E-04	G(14)	107344423078329E+01
X0(15)	-886876832849110E-04	A(15)	803425669009107E-04	G(15)	102499199810345E+01
X0(16)	-31616904224763E-03	A(16)	237818553094864E-03	G(16)	104485733376306E+01
X0(17)	29288320233537E-03	A(17)	169182437558159E-03	G(17)	110082439244655E+01
X0(18)	-167757314037470E-03	A(18)	152846339470357E-03	G(18)	102769451229795E+01
X0(19)	621758450629570E-03	A(19)	664679106125476E-03	G(19)	105896111497272E+01
X0(20)	-523359795208035E-03	A(20)	117073899536638E-03	G(20)	113457226351186E+01
X0(21)	-316953902413247E-03	A(21)	293760835265006E-03	G(21)	102914311716351E+01
X0(22)	122299547427474E-02	A(22)	92067288404496E-03	G(22)	107822878690356E+01
X0(23)	930113712300352E-03	A(23)	595976480730819E-03	G(23)	117271411818353E+01
X0(24)	-59917697554094E-03	A(24)	469560616758200E-03	G(24)	103050854375868E+01
X0(25)	238661297093340E-02	A(25)	179969650140751E-02	G(25)	110549597018751E+01
X0(26)	166219477518595E-02	A(26)	112276881705692E-02	G(26)	122210093420195E+01
X0(27)	-114033570221130E-02	A(27)	111031466404177E-02	G(27)	103270962167062E+01
X0(28)	472644492516940E-02	A(28)	357981696153549E-02	G(28)	114107269975430E+01
X0(29)	288488701127468E-02	A(29)	211710536425785E-02	G(29)	127384963575827E+01
X0(30)	-218418251055504E-02	A(30)	18469134112247E-02	G(30)	103304452947439E+01
X0(31)	955369162850222E-02	A(31)	729680818096564E-02	G(31)	118636465868543E+01
X0(32)	471324041876104E-02	A(32)	413987378606112E-02	G(32)	131517470764882E+01
X0(33)	-422862191594154E-02	A(33)	431868702552094E-02	G(33)	103159446634573E+01
X0(34)	210531282221320E-01	A(34)	165979945847286E-01	G(34)	123166068937351E+01
X0(35)	526845773137710E-02	A(35)	843942226200376E-02	G(35)	126326064128723E+01
X0(36)	-833493839376257E-02	A(36)	857255270559029E-02	G(36)	102469067065616E+01
X0(37)	-266337634079900E-01	A(37)	8821107955484138E-02	G(37)	-200000000000000E+01
X0(38)	-79026727140185E-02	A(38)	144616535846619E-01	G(38)	109930833208011E+01
X0(39)	31732288067272E-01	A(39)	116984607275297E-01	G(39)	-200000000000000E+01
X0(40)	82274743261674E-02	A(40)	179609053289864E-01	G(40)	112400179255236E+01
X0(41)	-23529900356914E-01	A(41)	163635884891720E-01	G(41)	-200000000000000E+01
X0(42)	-36380612134034E+00	A(42)	406858844434557E+00	G(42)	107702235769093E+01
X0(43)	-355504719671504E+00	A(43)	226906300908788E+01	G(43)	190660935198120E+01
X0(44)	-29203702011968E-01	A(44)	2614022261010471E-01	G(44)	108458827277770E+01
X0(45)	88390359446657E-01	A(45)	290212812408792E-01	G(45)	-200000000000000E+01
X0(46)	684006205680340E-01	A(46)	142467730755258E+00	G(46)	110726359812685E+01
X0(47)	466132544346554E-02	A(47)	425735576727500E-01	G(47)	-200000000000000E+01
X0(48)	110798791463454E-01	A(48)	121813346117789E+01	G(48)	106519015366836E+01
X0(49)	-109079878701102E+01	A(49)	593072834856186E-01	G(49)	-200000000000000E+01
X0(50)	-128247290280002E-01	A(50)	927546379413493E-01	G(50)	138806016708114E+01

TABELUL X9(K1) , A(K1) , G(K1)

Xn(51) = -608517n43244148E-01	A(51) = 762933002801159E-01	G(51) = -106490387285562E+01
Xn(52) = 523289979484637E+00	A(52) = 442044962543401E+00	G(52) = 145314536939395E+01
Xn(53) = -258452641663249E+00	A(53) = 434679889284749E+00	G(53) = -130660779875081E+01
Xn(54) = -133629828482910E+00	A(54) = 128050216729477E+00	G(54) = -403095358424024E+01
Xn(55) = -406096318850778E+00	A(55) = 121424780007009E+00	G(55) = -208000000000000E+01
Xn(56) = -268918766865944E-01	A(56) = 161076965243589E+00	G(56) = -200000000000000E+01
Xn(57) = 124645505762264E+00	A(57) = 262864206n15360E+00	G(57) = -102104613412602E+01
Xn(58) = 47206578198980nE+01	A(58) = 452752135131979E+01	G(58) = -156036180411617E+01
Xn(59) = -665762267295407E+01	A(59) = 147689204701108E+00	G(59) = -103861521872626E+01
Xn(60) = -13687512954630nE+00	A(60) = 121718466016553E+00	G(60) = -400605222890980E+01
Xn(61) = 494465504134417E+00	A(61) = 205262425445600E+00	G(61) = -124019701258003E+01
Xn(62) = -20806866834436E+00	A(62) = 185212484219754E+00	G(62) = -105834642785733E+01
Xn(63) = 69498642n42867E+00	A(63) = 253679527n06008E+00	G(63) = -181843693805836E+01
Xn(64) = -31490978525340nE+00	A(64) = 284152766202985E+00	G(64) = -108123667740819E+01
Xn(65) = 920118763424338E+00	A(65) = 281530875767099E+00	G(65) = -200000000000000E+01
Xn(66) = -581306545751859E-01	A(66) = 175153384218737E+00	G(66) = -185942271843644E+01
Xn(67) = -384280481886214E+00	A(67) = 47n278440177767E+00	G(67) = -104506317168275E+01
Xn(68) = -1448089087n8190E+02	A(68) = 139894201923447E+02	G(68) = -145938130965856E+01
Xn(69) = -1943307n751830E+02	A(69) = 25295255727799E+00	G(69) = -105339420248319E+01
Xn(70) = -328288616681898E+00	A(70) = 294829988n69311E+00	G(70) = -100625214530279E+01
Xn(71) = 115601814945702E+01	A(71) = 460704029n86932E+00	G(71) = -135309824852563E+01
Xn(72) = -487409634525504E+00	A(72) = 443516798n88545E+00	G(72) = -106883805076485E+01
Xn(73) = -155709504316114E+01	A(73) = 528890498083070E+00	G(73) = -200000000000000E+01
Xn(74) = -2775058749n2952E+00	A(74) = 106382634177993E+01	G(74) = -107546544006092E+01
Xn(75) = -1944982903565nE+01	A(75) = 57n9345697n8212E+00	G(75) = -200000000000000E+01
Xn(76) = -951078292147374E-01	A(76) = 723250444882834E+00	G(76) = -200000000000000E+01
Xn(77) = -22125365419427E+00	A(77) = 107526895453318E+01	G(77) = -125719165102834E+01
Xn(78) = -62748948958210nE+00	A(78) = 111034347865245E+01	G(78) = -103799399311483E+01
Xn(79) = 10809293895885nE+02	A(79) = 96567640347503nE+01	G(79) = -155510749639698E+01
Xn(80) = -118441838429538E+02	A(80) = 118792463297584E+01	G(80) = -112773896776944E+01
Xn(81) = -109856425797n27E+01	A(81) = 900264666n05332E+00	G(81) = -101930662282100E+01
Xn(82) = 37n117094n8234E+01	A(82) = 135699375252138E+01	G(82) = -1822081n6611860E+01
Xn(83) = -164963n58242464E+01	A(83) = 1377622194n65965E+01	G(83) = -106289747236554E+01
Xn(84) = 461425868262879E+01	A(84) = 127028246n19076E+01	G(84) = -200000000000000E+01
Xn(85) = -204354126n49337E+00	A(85) = 157258225701557E+01	G(85) = -200000000000000E+01
Xn(86) = -47736286n794691E+00	A(86) = 225546n59576809E+01	G(86) = -159250696926623E+01
Xn(87) = -14674949117789E+01	A(87) = 285559372731039E+01	G(87) = -102193568449100E+01
Xn(88) = -281755n0453346E+02	A(88) = 252572673229991E+02	G(88) = -167486328624490E+01
Xn(89) = -363948327n114nE+02	A(89) = 209438293409410E+01	G(89) = -118084115795760E+01
Xn(90) = -2039345964n890E+01	A(90) = 187884588111865E+01	G(90) = -102874643939705E+01
Xn(91) = 6704382796n515E+01	A(91) = 23390n0913412549E+01	G(91) = -194919407185309E+01
Xn(92) = 30058935n81649E+01	A(92) = 2857798936619384E+01	G(92) = -106264287344775E+01
Xn(93) = 83630139n390143E+01	A(93) = 2333862390011196E+01	G(93) = -200000000000000E+01
Xn(94) = -38541167263964E+00	A(94) = 292794642422438E+01	G(94) = -200000000000000E+01
Xn(95) = -89974553n723830E+00	A(95) = 428767030412357E+01	G(95) = -139748832641184E+01
Xn(96) = -259131872695150E+01	A(96) = 487253600446034E+01	G(96) = -103025201844256E+01
Xn(97) = 64606948887n37E+02	A(97) = 39587n28831138E+02	G(97) = -161571174131788E+01
Xn(98) = -51832148314309E+02	A(98) = 430956363197329E+01	G(98) = -116310603527603E+01
Xn(99) = 41580n9246497n4E+01	A(99) = 38178n68296785E+01	G(99) = -102514030096388E+01
Xn(100) = 13668468253354nE+02	A(100) = 68n664489219586E+01	G(100) = -195301951096001E+01

TABELUL XO(K1) , A(K1) , G(K1)

Xn(101)	-602847428477764E+01	A(101)	-58849742892184E+01	G(101)	-105818566182834E+01
Xn(102)	-16727676245244E+02	A(102)	-450238919550803E+01	G(102)	-200000000000000E+01
Xn(103)	-680049038263200E+00	A(103)	-552700438589972E+01	G(103)	-200000000000000E+01
Xn(104)	-139241235620038E+01	A(104)	-782540554573655E+01	G(104)	-166849331113357E+01
Xn(105)	-551256358840487E+01	A(105)	-401967095436593E+02	G(105)	-102225905701459E+01
Xn(106)	-910310541025594E+02	A(106)	-806073754095841E+02	G(106)	-166371985669061E+01
Xn(107)	-111891209749744E+03	A(107)	-780121916437521E+01	G(107)	-115980462977029E+01
Xn(108)	-755424725950460E+01	A(108)	-697531824734469E+01	G(108)	-102601883299156E+01
Xn(109)	-248577424930008E+02	A(109)	-877848777816371E+01	G(109)	-185677455526709E+01
Xn(110)	-109029321000037E+02	A(110)	-103838052784449E+02	G(110)	-106872743997528E+01
Xn(111)	-307325948832507E+02	A(111)	-8648471460772346E+01	G(111)	-200000000000000E+01
Xn(112)	-151303650083649E+01	A(112)	-1103305362506497E+02	G(112)	-200000000000000E+01
Xn(113)	-348409930329144E+01	A(113)	-165543537419273E+02	G(113)	-122400623896098E+01
Xn(114)	-90609922608271E+01	A(114)	-170203005455129E+02	G(114)	-103354150608305E+01
Xn(115)	-174430694976920E+03	A(115)	-156839509927460E+03	G(115)	-156835823064979E+01
Xn(116)	-203931451735827E+03	A(116)	-146762126067111E+02	G(116)	-111928348364045E+01
Xn(117)	-140368851928902E+02	A(117)	-128941562766460E+02	G(117)	-101969675635654E+01
Xn(118)	-468419594360444E+02	A(118)	-170179420072420E+02	G(118)	-167554798962430E+01
Xn(119)	-200378865581554E+02	A(119)	-189477405859533E+02	G(119)	-107558448478843E+01
Xn(120)	-582942071241754E+02	A(120)	-170497370047289E+02	G(120)	-200000000000000E+01
Xn(121)	-339957174065742E+01	A(121)	-226120740716772E+02	G(121)	-189575037388896E+01
Xn(122)	-23397632027987E+02	A(122)	-1293513329572859E+02	G(122)	-104293096255148E+01
Xn(123)	-644515249906308E+03	A(123)	-413903835972997E+03	G(123)	-146656838104897E+01
Xn(124)	-839728018538497E+03	A(124)	-204195859777479E+02	G(124)	-102628710570799E+01
Xn(125)	-191207292785714E+02	A(125)	-176160532260562E+02	G(125)	-100078411816273E+01
Xn(126)	-65744840433575E+02	A(126)	-257606440716546E+02	G(126)	-119673857480030E+01
Xn(127)	-26061050875088E+02	A(127)	-241541137176074E+02	G(127)	-165165119767237E+01
Xn(128)	-653016620862327E+03	A(128)	-627618082196084E+03	G(128)	-112633682363860E+01
Xn(129)	-58918440150684E+03	A(129)	-485894315484107E+02	G(129)	-106369132130626E+01
Xn(130)	-36897433921941E+02	A(130)	-339416595958439E+02	G(130)	-101077827422750E+01
Xn(131)	-124522192810723E+03	A(131)	-672908008043280E+02	G(131)	-133458787509981E+01
Xn(132)	-504776478421507E+02	A(132)	-464864551097440E+02	G(132)	-10750006795143E+01
Xn(133)	-297013274049301E+04	A(133)	-292015979809121E+04	G(133)	-116856175106582E+01
Xn(134)	-323416927886097E+04	A(134)	-986403113468631E+02	G(134)	-104666563742123E+01
Xn(135)	-553116285976138E+02	A(135)	-512652926037089E+02	G(135)	-100362044761997E+01
Xn(136)	-187173260501191E+03	A(136)	-711155627408804E+02	G(136)	-130581753747793E+01
Xn(137)	-749217908973357E+02	A(137)	-699696041425907E+02	G(137)	-106697050371248E+01
Xn(138)	-446291737842627E+04	A(138)	-458786487464965E+04	G(138)	-116580713622175E+01
Xn(139)	-485839771744930E+04	A(139)	-821378048036578E+02	G(139)	-103618480135087E+01
Xn(140)	-778901205523731E+02	A(140)	-729109052797414E+02	G(140)	-100273135670709E+01
Xn(141)	-261422400742782E+03	A(141)	-989922444731846E+02	G(141)	-120944186773759E+01
Xn(142)	-101706435179479E+03	A(142)	-950531162436160E+02	G(142)	-105938060884045E+01
Xn(143)	-995602450184807E+03	A(143)	-804905231005272E+03	G(143)	-112619702242708E+01
Xn(144)	-580776904286964E+03	A(144)	-164119434199138E+03	G(144)	-107332459053155E+01
Xn(145)	-156686938231452E+03	A(145)	-146110239308596E+03	G(145)	-101108587225643E+01
Xn(146)	-521564094769492E+03	A(146)	-1919087176123406E+03	G(146)	-140571832636020E+01
Xn(147)	-20970319337447E+03	A(147)	-197438316485802E+03	G(147)	-107689357768938E+01
Xn(148)	-640572641970049E+03	A(148)	-200262174969310E+03	G(148)	-200000000000000E+01
Xn(149)	-346003080946787E+02	A(149)	-487065787226346E+03	G(149)	-108342828061810E+01
Xn(150)	-513778540603064E+03	A(150)	-20810092939948E+03	G(150)	-200000000000000E+01

TABELUL XO(K1) , A(K1) , G(K1)

Xn(151)	-0.34494021813855E+02	A(151)	0.26988893464988E+03	G(151)	20000000000000E+01
Xn(152)	-0.47042482429485E+03	A(152)	0.90425463207863E+03	G(152)	104536362160184E+01
Xn(153)	0.7455437843892E+03	A(153)	0.228390436494713E+03	G(153)	20000000000000E+01
Xn(154)	-0.25420879591364E+02	A(154)	0.273586411792771E+03	G(154)	20000000000000E+01
Xn(155)	-0.59216362094593E+02	A(155)	0.370631778811505E+03	G(155)	181150178597489E+01
Xn(156)	-0.33200090738645E+03	A(156)	0.482424652236855E+03	G(156)	104147332300172E+01
Xn(157)	0.31735175469655E+04	A(157)	0.267440067771939E+04	G(157)	154179147203192E+01
Xn(158)	-0.262118674862414E+04	A(158)	0.518938686231748E+03	G(158)	105367570896157E+01
Xn(159)	-0.48543966038744E+03	A(159)	0.244989548795509E+03	G(159)	100398621566064E+01
Xn(160)	0.162570477842137E+04	A(160)	0.601527004075727E+03	G(160)	148872095911126E+01
Xn(161)	-0.662350299326954E+03	A(161)	0.645234856722213E+03	G(161)	106382135485245E+01
Xn(162)	0.19345276044717E+04	A(162)	0.550929745135137E+03	G(162)	20000000000000E+01
Xn(163)	-0.11304205551087E+03	A(163)	0.738697019291011E+03	G(163)	181432592138678E+01
Xn(164)	-0.727712447691331E+03	A(164)	0.957373049817824E+03	G(164)	104584626048013E+01
Xn(165)	0.21105276029288E+04	A(165)	0.480091020082038E+03	G(165)	20000000000000E+01
Xn(166)	-0.37910328481884E+03	A(166)	0.541209065465230E+03	G(166)	20000000000000E+01
Xn(167)	-0.75061849498804E+02	A(167)	0.652279839513408E+03	G(167)	20000000000000E+01
Xn(168)	-0.17372052470007E+03	A(168)	0.895272984200563E+03	G(168)	20000000000000E+01
Xn(169)	-0.33280501861335E+03	A(169)	0.142402211214087E+04	G(169)	106596776802274E+01
Xn(170)	-0.37067837080897E+03	A(170)	0.143070564112303E+04	G(170)	100593760076390E+01
Xn(171)	0.65212875357009E+04	A(171)	0.50820869367031E+04	G(171)	181093314126068E+01
Xn(172)	-0.60083580101374E+04	A(172)	0.108332415077669E+04	G(172)	112103053093651E+01
Xn(173)	-0.10483099045932E+04	A(173)	0.981146324114271E+03	G(173)	102223878052591E+01
Xn(174)	0.342037274341814E+04	A(174)	0.120209532818187E+04	G(174)	163219781331591E+01
Xn(175)	-0.14070494632415E+04	A(175)	0.134980282433660E+04	G(175)	107942682358492E+01
Xn(176)	0.40699379751572E+04	A(176)	0.116008269029829E+04	G(176)	20000000000000E+01
Xn(177)	-0.232676807377605E+03	A(177)	0.136674377470175E+04	G(177)	172830581965656E+01
Xn(178)	-0.15288706452031E+04	A(178)	0.193995894726684E+04	G(178)	105726285499111E+01
Xn(179)	0.45145069836572E+04	A(179)	0.107734015036562E+04	G(179)	20000000000000E+01
Xn(180)	-0.10302658026434E+03	A(180)	0.12478489206887E+04	G(180)	20000000000000E+01
Xn(181)	-0.223368630162004E+03	A(181)	0.158674906227167E+04	G(181)	20000000000000E+01
Xn(182)	-0.513841674941227E+03	A(182)	0.338546157373765E+04	G(182)	144262222211746E+01
Xn(183)	-0.11883556447172E+04	A(183)	0.283373783726514E+04	G(183)	101983161121418E+01
Xn(184)	0.13025294918612E+03	A(184)	0.101355388922761E+05	G(184)	174331957285356E+01
Xn(185)	-0.10618176897605E+05	A(185)	0.235637043923011E+04	G(185)	111849720140800E+01
Xn(186)	-0.22820489710975E+04	A(186)	0.214591345720949E+04	G(186)	102140173551902E+01
Xn(187)	0.73987889001071E+04	A(187)	0.257353780435849E+04	G(187)	163063504748098E+01
Xn(188)	-0.30133665000681E+04	A(188)	0.294249760424738E+04	G(188)	107909752151436E+01
Xn(189)	0.86854198499287E+04	A(189)	0.244666630079548E+04	G(189)	20000000000000E+01
Xn(190)	-0.483581084201261E+03	A(190)	0.330392774485532E+04	G(190)	172608097572799E+01
Xn(191)	-0.32327667764248E+04	A(191)	0.410436608555931E+04	G(191)	105836665393321E+01
Xn(192)	0.99413994852780E+04	A(192)	0.227233158171538E+04	G(192)	20000000000000E+01
Xn(193)	-0.22016322292764E+03	A(193)	0.26432307042864E+04	G(193)	20000000000000E+01
Xn(194)	-0.48426051287606E+03	A(194)	0.339640935489219E+04	G(194)	20000000000000E+01
Xn(195)	-0.11028867748930E+04	A(195)	0.433488437432226E+04	G(195)	130187120685373E+01
Xn(196)	-0.24315706271814E+04	A(196)	0.57726998524939E+04	G(196)	102251723718276E+01
Xn(197)	0.25943095205987E+05	A(197)	0.200404142733493E+05	G(197)	170897211048821E+01
Xn(198)	-0.19153896430463E+05	A(198)	0.502529361149589E+04	G(198)	108569423922798E+01
Xn(199)	-0.48193468281432E+04	A(199)	0.481030741885664E+04	G(199)	101526162299986E+01
Xn(200)	0.15772346844585E+05	A(200)	0.463415443498029E+04	G(200)	148596513979520E+01

TABELUL XO(K1) , A(K1) , B(K1)

Xn(201)	-629091276379138E+04	A(201)	-607767903405532E+04	G(201)	-107544991719985E+01
Xn(202)	-184523391453745E+05	A(202)	-531446062015448E+04	G(202)	-200000000000000E+01
Xn(203)	-113529947754651E+04	A(203)	-742986291493006E+04	G(203)	-148304174501259E+01
Xn(204)	-650979080242048E+04	A(204)	-839130852064363E+04	G(204)	-106939687802957E+01
Xn(205)	-200956822433678E+09	A(205)	-487222879160412E+04	G(205)	-200000000000000E+01
Xn(206)	-523248964407130E+03	A(206)	-57871428904608E+04	G(206)	-200000000000000E+01
Xn(207)	-120365119619071E+04	A(207)	-772732260770782E+04	G(207)	-196916479686916E+01
Xn(208)	-729149921201737E+04	A(208)	-109235260311175E+05	G(208)	-102718550759876E+01
Xn(209)	-219880762498940E+05	A(209)	-499560782064842E+04	G(209)	-200000000000000E+01
Xn(210)	-360449514641160E+03	A(210)	-564357479498985E+04	G(210)	-200000000000000E+01
Xn(211)	-721323292661612E+03	A(211)	-682016313435982E+04	G(211)	-200000000000000E+01
Xn(212)	-16886249106261E+04	A(212)	-940675343839930E+04	G(212)	-187018701186262E+01
Xn(213)	-749862955181685E+04	A(213)	-13180048282276E+05	G(213)	-102030207899474E+01
Xn(214)	-569275370888758E+05	A(214)	-434799064190976E+05	G(214)	-166904566586413E+01
Xn(215)	-351586770886220E+05	A(215)	-125419202371318E+05	G(215)	-102924947130156E+01
Xn(216)	-117775085487540E+05	A(216)	-109293436013402E+05	G(216)	-100030022928847E+01
Xn(217)	-389939230580227E+05	A(217)	-143890465437234E+05	G(217)	-132664871508752E+01
Xn(218)	-151305383979234E+05	A(218)	-148812300350574E+05	G(218)	-105416861852305E+01
Xn(219)	-448736654377787E+05	A(219)	-130137735039515E+05	G(219)	-200000000000000E+01
Xn(220)	-765042572158240E+05	A(220)	-111492253338447E+04	G(220)	-108365969362511E+01
Xn(221)	-539032820917342E+05	A(221)	-140857958402129E+05	G(221)	-200000000000000E+01
Xn(222)	-559855464822442E+06	A(222)	-598356572592185E+04	G(222)	-108666700933545E+01
Xn(223)	-584968974210446E+06	A(223)	-152398217418484E+05	G(223)	-178506273018458E+01
Xn(224)	-19196285330327E+05	A(224)	-186553010026188E+05	G(224)	-109668887270543E+01
Xn(225)	-564481272046803E+05	A(225)	-16484523772415E+05	G(225)	-200000000000000E+01
Xn(226)	-207371144401687E+05	A(226)	-228025648273070E+05	G(226)	-110828643530857E+01
Xn(227)	-63622478484057E+05	A(227)	-19152439029011E+05	G(227)	-200000000000000E+01
Xn(228)	-236402422266751E+05	A(228)	-269469648433208E+05	G(228)	-110718858199696E+01
Xn(229)	-735110600478457E+05	A(229)	-22239699775358E+05	G(229)	-200000000000000E+01
Xn(230)	-28786703210454E+05	A(230)	-298909308887945E+05	G(230)	-110884286547802E+01
Xn(231)	-87194706709599E+05	A(231)	-261003667018795E+05	G(231)	-194693674425046E+01
Xn(232)	-355346090401600E+05	A(232)	-32572672728508E+05	G(232)	-111120621601280E+01
Xn(233)	-10454772032172E+06	A(233)	-310716013810400E+05	G(233)	-182228546080329E+01
Xn(234)	-416247711340604E+05	A(234)	-377613330295622E+05	G(234)	-111528635867909E+01
Xn(235)	-123221882222402E+06	A(235)	-372813162007920E+05	G(235)	-170846546857202E+01
Xn(236)	-485832963691117E+05	A(236)	-43661119500840E+05	G(236)	-112256215993982E+01
Xn(237)	-145350701409790E+06	A(237)	-447303774248283E+05	G(237)	-162401935297568E+01
Xn(238)	-569577914839861E+06	A(238)	-50952228313390E+05	G(238)	-112521676039009E+01
Xn(239)	-17141952651111E+06	A(239)	-533416386415748E+05	G(239)	-158239798243395E+01
Xn(240)	-66940198069177E+05	A(240)	-599416375728901E+05	G(240)	-112466265695235E+01
Xn(241)	-201554045207503E+06	A(241)	-627871040249849E+05	G(241)	-159377747826864E+01
Xn(242)	-78690992762758E+05	A(242)	-708801152892428E+04	G(242)	-112217006139625E+01
Xn(243)	-23520750163919E+06	A(243)	-722338886626364E+05	G(243)	-166942905792860E+01
Xn(244)	-920962434075228E+05	A(244)	-839062855138781E+05	G(244)	-111752320590926E+01
Xn(245)	-270435214196435E+06	A(245)	-802837036472688E+05	G(245)	-181893801127461E+01
Xn(246)	-106193850484249E+06	A(246)	-988281897592772E+05	G(246)	-110767578755425E+01
Xn(247)	-304125168881867E+06	A(247)	-860875411089105E+05	G(247)	-199722984588410E+01
Xn(248)	-119586514105440E+06	A(248)	-113006707014289E+04	G(248)	-109690983555611E+01
Xn(249)	-343426780928900E+06	A(249)	-985237145777862E+05	G(249)	-190217161499698E+01
Xn(250)	-134551975415377E+06	A(250)	-123723459642152E+04	G(250)	-111570658300279E+01

TABELUL X0(K1) , A(K1) , G(K1)

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| Xn(251)= -394192005221067E+06 | A(251)= -115623987278251E+06 | G(251)= -171015891420166E+01 |
| Xn(252)= -151882237360860E+06 | A(252)= -138269489531221E+06 | G(252)= -112471985609155E+01 |
| Xn(253)= -452013534641934E+06 | A(253)= -136219169596418E+06 | G(253)= -152151978022328E+01 |
| Xn(254)= -170996500668751E+06 | A(254)= -153631510827533E+06 | G(254)= -113383800770314E+01 |
| Xn(255)= -518147691553614E+06 | A(255)= -161697115741966E+06 | G(255)= -133239742908282E+01 |
| Xn(256)= -192469766517361E+06 | A(256)= -171819433397923E+06 | G(256)= -113074089528541E+01 |
| Xn(257)= -504822616913439E+06 | A(257)= -310539356965632E+06 | G(257)= -109629640764607E+01 |
| Xn(258)= -308299187987947E+06 | A(258)= -227943990833335E+06 | G(258)= -104215324455761E+01 |
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TABELUL X0(K1) , A(K1) , G(K1)

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X0(251)= -394192005221067E+06	A(251)= -145623987278251E+06	G(251)= -171015891420166E+01
X0(252)= -151882237360860E+06	A(252)= -138269489531221E+06	G(252)= -112471985609155E+01
X0(253)= -452013534611934E+06	A(253)= -136219169596418E+06	G(253)= -152151978022328E+01
X0(254)= -170996500668751E+06	A(254)= -153634510827533E+06	G(254)= -113383800770314E+01
X0(255)= -548147694553614E+06	A(255)= -161637115741966E+06	G(255)= -133239742908282E+01
X0(256)= -192469766517361E+06	A(256)= -171819433397923E+06	G(256)= -113074089528541E+01
X0(257)= -504822616913432E+06	A(257)= -310539356965632E+06	G(257)= -109629640764607E+01
X0(258)= -308299487987947E+06	A(258)= -227943090033335E+06	G(258)= -104215324455761E+01

X# 2.600000
Y# .700000
VX# .449914
VY# -.026080
V# .650437



TABELUL X (K, N) , Y (K, N)

**	K	1	2	3	4	5	6	7	8	9	10	11
1	X	-100004	-102670	-102902	-101464	-100649	-099864	-099168	-098599	-098179	-097922	-097841
	Y	-499998	-549528	-598682	-648102	-697826	-747814	-798014	-848374	-898853	-949408	1.000000
2	X	-000001	-003181	-005450	-007365	-009032	-010455	-011628	-012544	-013201	-013597	-013726
	Y	-500000	-547392	-595968	-645357	-695285	-745595	-796183	-846974	-897907	-948932	1.000000
3	X	-100000	-097170	-100683	-103675	-106148	-108172	-109789	-111028	-111904	-112426	-112598
	Y	-489528	-541131	-590767	-640983	-691623	-742588	-793800	-845198	-896727	-948343	1.000000
4	X	-199999	-204862	-209364	-212947	-216010	-218520	-220523	-222058	-223139	-223783	-223996
	Y	-479058	-531111	-582718	-634377	-686202	-738205	-790367	-842661	-895052	-947510	1.000000
5	X	-300000	-302200	-306594	-310473	-313795	-316560	-318790	-320503	-321715	-322438	-322670
	Y	-468586	-522412	-575096	-627870	-680760	-733765	-786875	-840074	-893343	-946659	1.000000
6	X	-400000	-406446	-411373	-415521	-419048	-421993	-424383	-426226	-427533	-428317	-428577
	Y	-458415	-512767	-566613	-620553	-674578	-728679	-782850	-837082	-891360	-945672	1.000000
7	X	-500000	-503915	-508633	-512847	-516470	-519521	-522007	-523933	-525304	-526125	-526398
	Y	-447644	-503316	-558587	-613634	-668707	-723825	-778992	-834202	-889448	-944718	1.000000
8	X	-600000	-598043	-602759	-607028	-610734	-613867	-616426	-618413	-619830	-620880	-620962
	Y	-437173	-495232	-550994	-606947	-662979	-719064	-775194	-831361	-887557	-943773	1.000000
9	X	-700000	-704990	-709994	-714387	-718193	-721413	-724047	-726093	-727557	-728433	-728726
	Y	-426702	-484883	-542129	-599252	-656396	-713584	-770814	-828079	-885371	-942681	1.000000
10	X	-800000	-796411	-801569	-805733	-809624	-812920	-815616	-817713	-819210	-820108	-820407
	Y	-416230	-477054	-534735	-592697	-650761	-708886	-767056	-825262	-883493	-941742	1.000000
11	X	-900000	-905423	-910278	-914434	-917946	-920833	-923102	-924855	-926092	-926814	-927021
	Y	-403759	-466211	-525532	-584728	-643949	-703215	-762522	-821862	-881228	-940610	1.000000
12	X	1.000000	.997929	1.002899	1.007593	1.011674	1.015127	1.017932	1.020148	1.021717	1.022658	1.022972
	Y	-393288	-457952	-517864	-577980	-638166	-698399	-758671	-818975	-879303	-939648	1.000000
13	X	1.100000	1.105336	1.110816	1.115823	1.119791	1.123319	1.126206	1.128453	1.130057	1.131620	1.131341
	Y	-384817	-447344	-508771	-570070	-631391	-692754	-754155	-815588	-877043	-938519	1.000000

TABELUL X (K, N) , Y (K, N)

**	K	1	2	3	4	5	6	7	8	9	10	11
14	X	1-200000	1-196976	1-202306	1-207172	1-211413	1-215006	1-217947	1-220236	1-221470	1-222851	1-223170
	Y	-374346	-439287	-501205	-563377	-625439	-687956	-750315	-812708	-875125	-937558	1-000000
15	X	1-300000	1-305659	1-311437	1-316468	1-320818	1-324494	1-327501	1-329840	1-331510	1-332512	1-332846
	Y	-363874	-428459	-491935	-555317	-618736	-682204	-745714	-809257	-872824	-936408	1-000000
16	X	1-400000	1-398866	1-404517	1-409609	1-414632	1-417774	1-420835	1-423215	1-424915	1-425935	1-426274
	Y	-353403	-419958	-484102	-548433	-612835	-677288	-741782	-806309	-870859	-935426	1-000000
17	X	1-500000	1-505998	1-511947	1-517167	1-521681	1-525497	1-528618	1-531043	1-532775	1-533814	1-534161
	Y	-342932	-409389	-474948	-540433	-606004	-671599	-737233	-802898	-868586	-934289	1-000000
18	X	1-600000	1-600443	1-606165	1-611654	1-616239	1-620116	1-623285	1-625748	1-627506	1-628561	1-628912
	Y	-332461	-400431	-466957	-533443	-599996	-666597	-733234	-799900	-866588	-933291	1-000000
19	X	1-700000	1-706678	1-712850	1-718252	1-722915	1-726853	1-730072	1-732573	1-734359	1-735430	1-735787
	Y	-321990	-390179	-457856	-525518	-593218	-660956	-728725	-796521	-864336	-932165	1-000000
20	X	1-800000	1-807912	1-813683	1-819121	1-823834	1-827820	1-831079	1-833612	1-835421	1-836507	1-836868
	Y	-311518	-380568	-449298	-518046	-586824	-655633	-724470	-793331	-862211	-931102	1-000000
21	X	1-900000	1-905505	1-911700	1-917189	1-921949	1-925978	1-929273	1-931836	1-933666	1-934764	1-935130
	Y	-301047	-371367	-441060	-510827	-580635	-650477	-720347	-790240	-860158	-930072	1-000000
22	X	2-000000	2-006699	2-012987	2-018543	2-023358	2-027434	2-030764	2-033355	2-035206	2-036317	2-036687
	Y	-290976	-361770	-432568	-503396	-574265	-645169	-716101	-787056	-858028	-929011	1-000000
23	X	2-100000	2-107947	2-114358	2-119981	2-124849	2-128966	2-132334	2-134953	2-136824	2-137947	2-138321
	Y	-280105	-352249	-424092	-495984	-567915	-639879	-711870	-783882	-855912	-927953	1-000000
24	X	2-200000	2-206295	2-212725	2-218393	2-223304	2-227460	2-230861	2-233507	2-235398	2-236532	2-236911
	Y	-269633	-343015	-415899	-488826	-561784	-634769	-707782	-780816	-853867	-926931	1-000000
25	X	2-300000	2-306822	2-313277	2-318979	2-323928	2-328122	2-331558	2-334232	2-336143	2-337291	2-337673
	Y	-259162	-333613	-407988	-481558	-555550	-629571	-703620	-777693	-851785	-925889	1-000000
26	X	2-400000	2-404735	2-411465	2-416897	2-421896	2-426426	2-429599	2-432303	2-434236	2-435397	2-435786
	Y	-248691	-324668	-399593	-474530	-549510	-624529	-699581	-774661	-849762	-924878	1-000000

TABELUL X (K, N) , Y (K, N)

**	K	1	2	3	4	5	6	7	8	9	10	11
27	X	2.500000	2.500267	2.500643	2.501270	2.501772	2.502206	2.502530	2.502828	2.503025	2.503140	2.503179
	Y	.238220	.316142	.391805	.467673	.543644	.619605	.695636	.771699	.847786	.923889	1.000000
28	X	2.600000	2.607327	2.614858	2.622565	2.625097	2.627451	2.633020	2.635799	2.637787	2.638980	2.639378
	Y	.227749	.305871	.382980	.459976	.537007	.614088	.691215	.768380	.845571	.922781	1.000000
29	X	2.700000	2.700792	2.707253	2.713201	2.718408	2.722828	2.726451	2.729271	2.731287	2.732497	2.732900
	Y	.217277	.297692	.375435	.453297	.531255	.609284	.687366	.765490	.843644	.921817	1.000000
30	X	2.800000	2.810520	2.817850	2.824051	2.829389	2.833901	2.837593	2.840485	2.842517	2.843749	2.844159
	Y	.206806	.287520	.366301	.445284	.524377	.603566	.682772	.762043	.841345	.920667	1.000000
31	X	2.900000	2.905302	2.912338	2.918601	2.924027	2.928613	2.932364	2.935281	2.937364	2.938614	2.939030
	Y	.196335	.278186	.358340	.438383	.518475	.598631	.678841	.759094	.839379	.919684	1.000000
32	X	3.000000	2.998189	3.005286	3.011635	3.017140	3.021794	3.025600	3.028560	3.030673	3.031940	3.032362
	Y	.185864	.269938	.350618	.431586	.512650	.593780	.674962	.756186	.837440	.918715	1.000000
33	X	3.099999	3.107896	3.115360	3.121841	3.127258	3.132189	3.136037	3.139044	3.141191	3.142479	3.142908
	Y	.175392	.259050	.341320	.423502	.505733	.588021	.670357	.752733	.835139	.917565	1.000000
34	X	3.199999	3.202241	3.209442	3.215954	3.221616	3.226406	3.230824	3.233369	3.235544	3.236848	3.237283
	Y	.164921	.250366	.333450	.416603	.499821	.583097	.666420	.749782	.833172	.916581	1.000000
35	X	3.299999	3.310569	3.318309	3.324962	3.330709	3.335568	3.339541	3.342629	3.344834	3.346137	3.346596
	Y	.154450	.240150	.324317	.408607	.492970	.577390	.661857	.746361	.830893	.915442	1.000000
36	X	3.399999	3.406306	3.413813	3.420505	3.426317	3.431234	3.435255	3.438378	3.440607	3.441944	3.442584
	Y	.143978	.230865	.316274	.401596	.486963	.572386	.657857	.743364	.828896	.914444	1.000000
37	X	3.499998	3.500649	3.508449	3.514924	3.520813	3.525790	3.529855	3.533010	3.535260	3.536610	3.537058
	Y	.133507	.222422	.308431	.394672	.481023	.567442	.653907	.740405	.826925	.913459	1.000000
38	X	3.599997	3.611066	3.619258	3.626251	3.632247	3.637291	3.641400	3.644585	3.646856	3.648213	3.648667
	Y	.123035	.211715	.298999	.386455	.474007	.561613	.649258	.736926	.824610	.912303	1.000000
39	X	3.699996	3.707431	3.715519	3.722569	3.728618	3.733699	3.737833	3.741034	3.743314	3.744679	3.745132
	Y	.112564	.202071	.290723	.379323	.467946	.556593	.645258	.733936	.822621	.911310	1.000000

TABELUL X (R, N), Y (R, N)

**	**	K	1	2	3	4	5	6	7	8	9	10	11
N	**	**											
40	X	3.799993	3.806755	3.814756	3.824796	3.837858	3.852952	3.870094	3.889301	3.910382	3.933946	3.960497	
	Y	.102092	.192585	.282324	.372037	.461747	.551460	.641175	.730885	.820593	.910298	1.000000	
41	X	3.899992	3.906816	3.914833	3.924870	3.937929	3.953016	3.970148	3.989343	3.942613	3.943971	3.944419	
	Y	.091621	.183207	.273982	.364775	.455567	.546346	.637108	.727851	.818578	.909292	1.000000	
42	X	3.999988	4.006610	4.014454	4.024688	4.037729	4.052790	4.069893	4.089059	4.042306	4.043667	4.044088	
	Y	.081149	.173877	.265748	.357625	.449488	.541324	.633121	.724879	.816606	.908310	1.000000	
43	X	4.099987	4.107427	4.115496	4.125222	4.138527	4.154333	4.171583	4.190297	4.142903	4.144219	4.144643	
	Y	.070678	.164543	.257520	.350503	.443459	.536361	.629186	.721953	.814668	.907344	1.000000	
44	X	4.199980	4.208179	4.216286	4.225279	4.235211	4.246131	4.258087	4.271121	4.243267	4.244538	4.244956	
	Y	.060206	.155243	.249390	.343516	.437573	.531530	.625378	.719128	.812798	.906413	1.000000	
45	X	4.299971	4.308277	4.316479	4.325288	4.334694	4.344667	4.355186	4.366266	4.342664	4.343891	4.344284	
	Y	.049734	.146050	.241440	.336750	.431919	.526922	.621757	.716449	.811030	.905534	1.000000	
46	X	4.399961	4.407541	4.415557	4.424290	4.433783	4.443232	4.453662	4.464084	4.440772	4.441919	4.442293	
	Y	.039262	.137036	.233763	.330299	.426575	.522590	.618363	.713950	.809381	.904718	1.000000	
47	X	4.499934	4.507420	4.515217	4.524613	4.534686	4.545403	4.556741	4.568688	4.538843	4.539906	4.540238	
	Y	.028790	.128175	.226372	.324175	.421563	.518548	.615220	.711625	.807851	.903959	1.000000	
48	X	4.599932	4.608683	4.617970	4.627992	4.638851	4.650333	4.662437	4.675166	4.637314	4.638291	4.638364	
	Y	.018321	.119593	.219440	.318547	.416973	.514863	.612343	.709513	.806462	.903264	1.000000	
49	X	4.699987	4.710051	4.720494	4.731087	4.741904	4.752848	4.763909	4.775087	4.733097	4.734539	4.735407	4.735640
	Y	.007851	.111803	.213447	.313707	.413013	.511675	.609836	.707654	.805232	.902651	1.000000	
50	X	4.799973	4.803358	4.807446	4.811334	4.814601	4.817385	4.819647	4.821426	4.822701	4.823449	4.823627	
	Y	.000000	.106554	.209183	.310126	.409981	.509193	.607900	.706187	.804248	.902166	1.000000	
51	X	4.899988	4.901004	4.903390	4.906041	4.908853	4.910793	4.912671	4.914160	4.915214	4.915893	4.916002	
	Y	.000000	.103728	.206092	.307220	.407426	.507068	.606124	.704868	.803388	.901721	1.000000	
52	X	4.999958	5.000371	5.001807	5.003612	5.005450	5.007182	5.008682	5.009899	5.010806	5.011313	5.011433	
	Y	.000000	.102303	.204062	.305096	.405425	.505218	.604659	.703742	.802600	.901347	1.000000	

TABELUL X (K, N), Y (K, N)

PAG 1 5

**	** K	1	2	3	4	5	6	7	8	9	10	11
53	X	5.099943	5.100115	5.101026	5.102235	5.103584	5.104904	5.106098	5.107023	5.107805	5.108238	5.108196
	Y	.000000	.101505	.202748	.303535	.403884	.503809	.603421	.702857	.801960	.901014	1.000000
54	X	5.199960	5.200006	5.200527	5.201345	5.202398	5.203398	5.204312	5.205090	5.205704	5.206032	5.206038
	Y	.000000	.101021	.201837	.302355	.402740	.502685	.602526	.702062	.801436	.900755	1.000000
55	X	5.299884	5.299860	5.300566	5.300879	5.301647	5.302447	5.303182	5.303788	5.304287	5.304602	5.304277
	Y	.000000	.100654	.201203	.301571	.401781	.501873	.601720	.701454	.801014	.900521	1.000000
56	X	5.399974	5.399653	5.399990	5.400571	5.401200	5.401837	5.402457	5.402951	5.403390	5.403613	5.403308
	Y	.000000	.100353	.200652	.300949	.401130	.501224	.601041	.700926	.800632	.900340	1.000000
57	X	5.500027	5.499531	5.499902	5.500325	5.500767	5.501353	5.501877	5.502291	5.502429	5.503130	5.502308
	Y	.000000	.100169	.200380	.300533	.400447	.500761	.600564	.700532	.800528	.900106	1.000000
58	X	5.599939	5.599069	5.599427	5.599814	5.600354	5.600902	5.601431	5.601729	5.602222	5.602332	5.601603
	Y	.000000	.099953	.199965	.299915	.399953	.500208	.599973	.700208	.800011	.900042	1.000000
59	X	5.699987	5.698919	5.699504	5.699669	5.700205	5.700765	5.701335	5.701789	5.701957	5.702376	5.701125
	Y	.000000	.099797	.199617	.299519	.399472	.499449	.599417	.699581	.799849	.899851	1.000000
60	X	5.799902	5.799141	5.798843	5.799446	5.799965	5.800432	5.801189	5.801735	5.802168	5.802248	5.800680
	Y	.000000	.099802	.199244	.299111	.398813	.498466	.599154	.699212	.799412	.899752	1.000000
61	X	5.899477	5.897826	5.897415	5.898683	5.899448	5.900017	5.900827	5.901366	5.901834	5.901964	5.900541
	Y	.000000	.099496	.198653	.298704	.397963	.497904	.598140	.698681	.799069	.899571	1.000000
62	X	5.999849	5.998265	5.997960	5.998379	5.999472	6.000855	6.001537	6.002161	6.002325	6.003172	6.000579
	Y	.000000	.099406	.198402	.297406	.397137	.497126	.597442	.698187	.799003	.899300	1.000000

TABELUL V X (K , N) , V Y (K , N)

** K											
**		1	2	3	4	5	6	7	8	9	10
N											
1	VX	1.0045760	1.0171224	1.0115034	1.0092933	.9999835	.9958367	.9927145	.9904549	.9889993	.9882880
	VY	.0541719	-.0096847	-.0150939	-.0164850	-.0157065	-.0138006	-.0112164	-.0082582	-.0050283	-.0015867
2	VX	1.0502963	1.0270743	1.0108537	1.0003489	.9930570	.9878344	.9841122	.9815099	.9798457	.9790748
	VY	-.0705218	-.0479602	-.0391956	-.0334029	-.0280951	-.0228989	-.0177565	-.0126612	-.0075959	-.0024674
3	VX	.9660392	1.0022991	.9921883	.9840003	.9795306	.9753572	.9722491	.9700293	.9686057	.9679080
	VY	-.0529713	-.0709375	-.0591119	-.0481157	-.0388834	-.0308070	-.0234328	-.0164914	-.0098030	-.0032181
4	VX	.9522510	.9618719	.9639662	.9644274	.9592547	.9571333	.9553276	.9539458	.9530080	.9525400
	VY	-.0889478	-.0819888	-.0687248	-.0568126	-.0462991	-.0367938	-.0280009	-.0196884	-.0116981	-.0038670
5	VX	.9273800	.9424914	.9423649	.9416452	.9407497	.9397893	.9388888	.9381465	.9376243	.9373537
	VY	-.0379073	-.0786033	-.0692966	-.0591190	-.0490783	-.0394464	-.0302304	-.0213333	-.0127149	-.0042162
6	VX	.9023275	.9208673	.9215109	.9215708	.9214527	.9212108	.9209169	.9206376	.9204250	.9203089
	VY	-.1044258	-.0842658	-.0708629	-.0601579	-.0501929	-.0408096	-.0313008	-.0222036	-.0132605	-.0044050
7	VX	.8905338	.9012405	.9030740	.9049781	.9043641	.9045058	.9049281	.9044961	.9044530	.9044251
	VY	-.0624013	-.0775775	-.0687640	-.0594023	-.0500730	-.0407559	-.0315498	-.0224301	-.0134345	-.0044693
8	VX	.8602150	.8902966	.8884384	.8884620	.8887279	.8889473	.8890900	.8891736	.8892160	.8892335
	VY	.0289917	-.0752943	-.0677827	-.0587439	-.0496402	-.0405278	-.0314542	-.0224252	-.0134371	-.0044740
9	VX	.8531012	.8668071	.8701572	.8714949	.8715440	.8718204	.8720191	.8721573	.8722447	.8722860
	VY	-.0731718	-.0757630	-.0669196	-.0580140	-.0490767	-.0401264	-.0311830	-.0222559	-.0133452	-.0044464
10	VX	.8492021	.8607238	.8579540	.8579642	.8574572	.8577020	.8579135	.8580737	.8581799	.8582325
	VY	.0483424	-.0724901	-.0660463	-.0574524	-.0486186	-.0397566	-.0309020	-.0220606	-.0132309	-.0044091
11	VX	.8212132	.8360493	.8394692	.8404331	.8409024	.8412356	.8414922	.8416795	.8418038	.8418653
	VY	-.0695924	-.0754680	-.0660274	-.0569380	-.0480649	-.0392752	-.0305228	-.0217906	-.0130700	-.0043557
12	VX	.7948644	.8283878	.8266824	.8249528	.8273868	.8277528	.8280358	.8282424	.8283779	.8284451
	VY	.0288782	-.0714900	-.0643426	-.0560672	-.0474354	-.0387936	-.0301608	-.0215367	-.0129194	-.0043057
13	VX	.7948730	.8075401	.8106831	.8144346	.8121449	.8123499	.8128028	.8130210	.8131419	.8132321
	VY	-.0677469	-.0720411	-.0633951	-.0551311	-.0466908	-.0382089	-.0297186	-.0212264	-.0127350	-.0042440

TABELUL VX (K, N) , VY (K, N)

**	** K	1	2	3	4	5	6	7	8	9	10
14	VX	.7682520	.8015804	.7993287	.7993563	.7996893	.8000222	.8003007	.8005128	.8006550	.8007263
	VY	.0357734	-.0689965	-.0825642	-.0544452	-.0461119	-.0377363	-.0293509	-.0209639	-.0125777	-.0041924
15	VX	.7682810	.7812336	.7839249	.7847094	.7854624	.7855467	.7858056	.7860231	.7861693	.7862427
	VY	-.0673215	-.0710452	-.0622901	-.0538175	-.0454847	-.0371942	-.0289192	-.0206520	-.0123894	-.0041295
16	VX	.7510374	.7734980	.7723981	.7757224	.7734491	.7733218	.7738234	.7740512	.7742039	.7742805
	VY	.0127923	-.0681393	-.0611337	-.0530708	-.0448941	-.0367132	-.0285423	-.0203807	-.0122259	-.0040746
17	VX	.7462834	.7564506	.7584640	.7594855	.7596791	.7600804	.7604028	.7606459	.7608086	.7608901
	VY	-.0673503	-.0686481	-.0604340	-.0522859	-.0441981	-.0361354	-.0280892	-.0200553	-.0120299	-.0040094
18	VX	.7334215	.7478974	.7473098	.7477260	.7482112	.7486366	.7489810	.7492400	.7494128	.7494992
	VY	-.0047709	-.0667756	-.0594439	-.0515174	-.0435503	-.0356008	-.0276710	-.0197557	-.0118498	-.0039493
19	VX	.7262864	.7327112	.7342794	.7340643	.7356573	.7361348	.7365081	.7367858	.7369697	.7370693
	VY	-.0711227	-.0668223	-.0586288	-.0506317	-.0427686	-.0349582	-.0271723	-.0194008	-.0116373	-.0038786
20	VX	.7156467	.7216701	.7227661	.7235820	.7242199	.7247248	.7251173	.7254068	.7255979	.7256929
	VY	-.0778564	-.0647916	-.0571796	-.0495817	-.0419480	-.0343442	-.0266792	-.0190524	-.0114298	-.0038096
21	VX	.7067014	.7118106	.7122647	.7139827	.7135299	.7140265	.7144200	.7147125	.7149061	.7150025
	VY	-.0553281	-.0632713	-.0560324	-.0486173	-.0411567	-.0336786	-.0261949	-.0187103	-.0112259	-.0037419
22	VX	.6964458	.7007073	.7016458	.7022810	.7028598	.7033468	.7037361	.7040267	.7042195	.7043155
	VY	-.0655036	-.0622321	-.0550407	-.0477130	-.0403789	-.0330423	-.0257029	-.0183609	-.0110174	-.0036725
23	VX	.6847420	.6904681	.6912540	.6919409	.6925307	.6930182	.6934039	.6936902	.6938796	.6939739
	VY	-.0754312	-.0616111	-.0540693	-.0468238	-.0396181	-.0324209	-.0252226	-.0180202	-.0108140	-.0036049
24	VX	.6743884	.6807298	.6814954	.6822419	.6828501	.6833354	.6837126	.6839900	.6841727	.6842635
	VY	-.0580279	-.0600292	-.0529884	-.0459269	-.0388808	-.0318343	-.0247720	-.0177024	-.0106247	-.0035420
25	VX	.6649954	.6707916	.6719639	.6737364	.6733265	.6737773	.6741312	.6743910	.6745622	.6746472
	VY	-.0610255	-.0583330	-.0517986	-.0450002	-.0381502	-.0312589	-.0243379	-.0173972	-.0104433	-.0034816
26	VX	.6645474	.6624579	.6633401	.6649031	.6643808	.6647784	.6650941	.6653291	.6654848	.6655623
	VY	-.0408550	-.0568521	-.0507346	-.0442165	-.0375196	-.0307576	-.0239554	-.0171273	-.0102825	-.0034282

TABELUL VX (K, N) , VY (K, N)

**		*****									
**	K	1	2	3	4	5	6	7	8	9	10
N	**	*****									
27	VX	.641656A	.6558716	.4551797	.6552945	.4558835	.6562241	.6565002	.6567085	.6568276	.6569475
	VY	-.0822014	-.0570047	-.0503164	-.0436556	-.0370111	-.0303336	-.0236269	-.0168231	-.0101449	-.0033814
28	VX	.6364443	.6435295	.6455793	.6442282	.6466021	.6468935	.6471287	.6473091	.6474313	.6474928
	VY	-.0595052	-.0561722	-.0495311	-.0430331	-.0365209	-.0299342	-.0233111	-.0166649	-.0100044	-.0033350
29	VX	.6317155	.6387339	.6384358	.6385222	.6387426	.6389738	.6391779	.6393395	.6394908	.6395072
	VY	-.0061244	-.0530797	-.0487783	-.0426442	-.0361834	-.0296440	-.0230755	-.0164915	-.0098987	-.0032990
30	VX	.6091268	.6292180	.6291743	.6293017	.6295145	.6297334	.6299264	.6300802	.6301856	.6302393
	VY	-.0793947	-.0585463	-.0493897	-.0424727	-.0358806	-.0293442	-.0228240	-.0163041	-.0097829	-.0032601
31	VX	.6083103	.6190346	.6208624	.6214221	.6217502	.6220015	.6222076	.6223647	.6224719	.6225258
	VY	-.0394074	-.0543408	-.0485772	-.0420946	-.0355790	-.0290866	-.0226132	-.0161479	-.0096878	-.0032277
32	VX	.5944384	.6149742	.6137544	.6149645	.6142748	.6145489	.6147692	.6149350	.6150467	.6151027
	VY	-.0128045	-.0541014	-.0481210	-.0416932	-.0352441	-.0288124	-.0223948	-.0159912	-.0095928	-.0031944
33	VX	.5923945	.6027967	.6046418	.6052386	.6056253	.6059272	.6061632	.6063421	.6064602	.6065195
	VY	-.0559132	-.0546952	-.0476832	-.0411958	-.0348161	-.0284644	-.0221292	-.0157980	-.0094740	-.0031567
34	VX	.5847717	.5973139	.5976339	.5980993	.5984361	.5987488	.5989966	.5991832	.5993074	.5993700
	VY	-.0153407	-.0517710	-.0468068	-.0406865	-.0344243	-.0281946	-.0218843	-.0156254	-.0093721	-.0031214
35	VX	.5746849	.5890757	.5895144	.5899439	.5903216	.5906607	.5908958	.5910939	.5912264	.5912927
	VY	-.0708803	-.0541744	-.0465312	-.0401857	-.0339766	-.0277834	-.0215945	-.0154174	-.0092477	-.0030752
36	VX	.5724454	.5809295	.5834374	.5840641	.5843828	.5847047	.5849740	.5841802	.5843236	.5843954
	VY	-.0415588	-.0510614	-.0456786	-.0396917	-.0335836	-.0274556	-.0213328	-.0152245	-.0091307	-.0030353
37	VX	.5653034	.5769457	.5762204	.5743505	.5746648	.5749915	.5752811	.5755064	.5756675	.5757467
	VY	-.0041172	-.0503090	-.0452675	-.0393066	-.0332127	-.0271228	-.0210604	-.0150184	-.0090065	-.0029933
38	VX	.5554784	.5678428	.5680794	.5684248	.5688405	.5692407	.5695812	.5698512	.5700342	.5701282
	VY	-.0693014	-.0532911	-.0454217	-.0389304	-.0327484	-.0266892	-.0206970	-.0147538	-.0088387	-.0029356
39	VX	.5487884	.5593466	.5607704	.5614805	.5621940	.5626924	.5631628	.5634221	.5636363	.5637463
	VY	-.0460858	-.0510288	-.0446240	-.0383299	-.0322228	-.0262358	-.0203289	-.0144832	-.0086723	-.0028817

TABELUL V X (K , N) , V Y (K , N)

K	N	1	2	3	4	5	6	7	8	9	10
40	VX	.5494607	.5527768	.5539219	.5528192	.5553411	.5561377	.5566378	.5570049	.5572553	.5573857
	VY	-.0410354	-.0492843	-.0434689	-.0374903	-.0313465	-.0256767	-.0198933	-.0141628	-.0084740	-.0028027
41	VX	.5499165	.5465528	.5474105	.5485702	.5490671	.5497305	.5503234	.5507373	.5510373	.5512074
	VY	-.0404562	-.0482712	-.0424269	-.0363837	-.0307704	-.0250295	-.0193742	-.0137807	-.0082492	-.0027250
42	VX	.5464738	.5401007	.5410320	.5429453	.5428010	.5435944	.5442640	.5447666	.5451196	.5453019
	VY	-.0383133	-.0472671	-.0414401	-.0358398	-.0299155	-.0242933	-.0187817	-.0133412	-.0079726	-.0026223
43	VX	.5493547	.5337440	.4348804	.5344561	.5366413	.5376233	.5383773	.5389868	.5394038	.5396184
	VY	-.0419571	-.0483201	-.0403990	-.0346044	-.0289319	-.0234411	-.0180739	-.0128256	-.0076381	-.0024807
44	VX	.5492234	.5271743	.5282865	.5294869	.5307027	.5318337	.5327734	.5335089	.5339914	.5342640
	VY	-.0450320	-.0433939	-.0392498	-.0333957	-.0277870	-.0224193	-.0172432	-.0122207	-.0072523	-.0023830
45	VX	.5452894	.5204082	.5248664	.5242354	.5249712	.5263783	.5273238	.5283989	.5289894	.5292804
	VY	-.0444376	-.0442017	-.0378293	-.0319132	-.0263898	-.0212011	-.0162632	-.0115019	-.0068656	-.0022050
46	VX	.5483284	.5433940	.5454397	.5475970	.5493820	.5213052	.5226649	.5237199	.5243761	.5247526
	VY	-.0394097	-.0423456	-.0359458	-.0300170	-.0248736	-.0197536	-.0151075	-.0106904	-.0063038	-.0020726
47	VX	.5468256	.5039873	.5090382	.5149221	.5145589	.5163885	.5182735	.5194302	.5201860	.5206023
	VY	-.0376817	-.0401756	-.0332918	-.0273592	-.0223331	-.0179980	-.0137984	-.0097440	-.0057512	-.0017986
48	VX	.4900591	.4981119	.5027724	.5048325	.5099955	.5124208	.5142809	.5155893	.5164456	.5168851
	VY	-.0423455	-.0363552	-.0295346	-.0242941	-.0199210	-.0159639	-.0122537	-.0086624	-.0052113	-.0014583
49	VX	.4744364	.4901222	.4973191	.5026713	.5082098	.5090278	.5109021	.5122990	.5132026	.5136133
	VY	-.0465808	-.0296219	-.0242809	-.0203371	-.0169473	-.0137606	-.0106331	-.0075710	-.0045743	-.0012274
50	VX	.4687731	.4863806	.4946329	.5001905	.5033766	.5062831	.5085479	.5098008	.5106018	.5110662
	VY	-.0148928	-.0198453	-.0185661	-.0163607	-.0141328	-.0116014	-.0092074	-.0066254	-.0039036	-.0004290
51	VX	.4819838	.4881863	.4940831	.4986591	.5015450	.5043815	.5062465	.5074541	.5084518	.5087538
	VY	-.0047172	-.0113799	-.0129543	-.0125016	-.0112733	-.0095677	-.0076320	-.0054270	-.0035148	-.0003645
52	VX	.4887358	.4912594	.4947270	.4981925	.5008831	.5026969	.5043335	.5057309	.5063353	.5068240
	VY	-.0019735	-.0069322	-.0088358	-.0091278	-.0086939	-.0075801	-.0062020	-.0046356	-.0025999	-.0006310

TABELUL VX (K, N) , VY (K, N)

K		1	2	3	4	5	6	7	8	9	10
40	VX	.5494602	.5527768	.5539245	.5528192	.5555411	.5561377	.5566378	.5570049	.5575553	.5573857
	VY	-.0410554	-.0492843	-.0434689	-.0374903	-.0315465	-.0256767	-.0198935	-.0141628	-.0084740	-.0028029
41	VX	.5429165	.5465528	.5474105	.5485702	.5490671	.5497505	.5503251	.5507573	.5510575	.5512074
	VY	-.0404562	-.0482712	-.0424269	-.0363837	-.0307704	-.0250295	-.0193742	-.0137807	-.0082492	-.0027250
42	VX	.5464758	.5491007	.5490350	.549453	.5428010	.5435944	.5442640	.5447666	.5451196	.5453019
	VY	-.0383135	-.0472671	-.0414401	-.0356398	-.0299155	-.0242933	-.0187817	-.0133412	-.0079726	-.0026225
43	VX	.5293547	.5337440	.5346804	.5346561	.5366413	.5376233	.5383773	.5389868	.5394038	.5396184
	VY	-.0419571	-.0463201	-.0403990	-.0346044	-.0289319	-.0234411	-.0180739	-.0128256	-.0076581	-.0024807
44	VX	.5222234	.5271743	.5282865	.5294869	.5307027	.5318337	.5327731	.5335089	.5339914	.5342640
	VY	-.0450520	-.0433939	-.0392498	-.0333957	-.0277870	-.0224195	-.0172432	-.0122207	-.0072525	-.0023830
45	VX	.5452894	.5204082	.5248664	.5244354	.5249712	.5263785	.5275238	.5283989	.5289894	.5292804
	VY	-.0444376	-.0442017	-.0378293	-.0319132	-.0263898	-.0212011	-.0162632	-.0115019	-.0068656	-.0022050
46	VX	.5083284	.5133940	.5154357	.5175970	.5195820	.5213052	.5226649	.5237199	.5243761	.5247526
	VY	-.0394097	-.0423456	-.0359458	-.0300170	-.0246736	-.0197536	-.0151075	-.0106904	-.0063038	-.0020720
47	VX	.5002564	.5059875	.5090584	.5119221	.5145589	.5169883	.5182735	.5194302	.5201860	.5206023
	VY	-.0376817	-.0401756	-.0332918	-.0275592	-.0225331	-.0179980	-.0137984	-.0097440	-.0057512	-.0017988
48	VX	.4900591	.4981119	.5027728	.5048325	.5099955	.5124208	.5142809	.5155893	.5164656	.5168851
	VY	-.0423455	-.0363552	-.0295340	-.0242941	-.0199210	-.0159639	-.0122537	-.0086624	-.0052113	-.0014583
49	VX	.4764364	.4901222	.4975191	.5026713	.5062098	.5090278	.5109021	.5122990	.5132026	.5136153
	VY	-.0465808	-.0296219	-.0242809	-.0203371	-.0169473	-.0137606	-.0106331	-.0075710	-.0045743	-.0012274
50	VX	.4687734	.4863806	.4946329	.5001905	.5035766	.5062831	.5085479	.5098008	.5106018	.5110662
	VY	-.0148928	-.0198453	-.0185661	-.0163607	-.0141328	-.0116014	-.0092074	-.0066254	-.0039036	-.0004290
51	VX	.4819838	.4881863	.4940831	.4986591	.5015450	.5045815	.5062465	.5074541	.5084518	.5087538
	VY	-.0047172	-.0113799	-.0129543	-.0125016	-.0112733	-.0095677	-.0076320	-.0054270	-.0035148	-.0005645
52	VX	.4887358	.4912594	.4947270	.4981925	.5008831	.5026969	.5045535	.5057309	.5063353	.5068240
	VY	-.0019735	-.0069322	-.0088358	-.0091278	-.0086939	-.0075801	-.0062020	-.0046356	-.0025999	-.0006310

TABELUL V X (K, N) , V Y (K, N)

**	K	1	2	3	4	5	6	7	8	9	10
53	VX	.4925834	.4938251	.4960214	.4981696	.5002878	.5018720	.5027906	.5044981	.5047607	.5051244
	VY	-.0008367	-.0044412	-.0059498	-.0067011	-.0066064	-.0060024	-.0046929	-.0039776	-.0022097	-.0002141
54	VX	.4949468	.4959412	.4973868	.4980279	.5002268	.5007937	.5022999	.5031322	.5034222	.5038033
	VY	-.0002249	-.0025621	-.0040468	-.0052235	-.0050095	-.0045797	-.0039267	-.0031119	-.0016615	-.0000310
55	VX	.4967534	.4972585	.4981478	.4989256	.4995063	.5007404	.5013167	.5021951	.5024715	.5026140
	VY	-.0001185	-.0020080	-.0030389	-.0038255	-.0039932	-.0036844	-.0030478	-.0025178	-.0015870	-.0010390
56	VX	.4982378	.4985022	.4985009	.4990797	.4995082	.5008983	.5005645	.5014616	.5014651	.5016999
	VY	.0015797	-.0016733	-.0028897	-.0031312	-.0031798	-.0031122	-.0024762	-.0022044	-.0011242	.0013362
57	VX	.4991424	.4989405	.4992299	.5004197	.4984191	.5009731	.5001522	.5000180	.5020913	.5004981
	VY	.0024699	-.0018433	-.0021105	-.0022139	-.0029110	-.0026294	-.0020742	-.0006854	-.0035381	.0041200
58	VX	.5001968	.4999319	.5002443	.4997941	.4987151	.5011641	.4988218	.5009756	.4998431	.5001851
	VY	.0043539	-.0017908	-.0019334	-.0026976	-.0027279	-.0026559	-.0014827	-.0024739	-.0005537	.0036520
59	VX	.5009597	.5008992	.5004805	.5002177	.5001024	.5001393	.4991734	.4986630	.4999812	.4991771
	VY	.0053590	-.0014262	-.0023334	-.0026794	-.0028017	-.0028545	-.0022600	-.0008383	-.0020946	.0062383
60	VX	.5009630	.5027991	.5006491	.5014813	.5017179	.4965708	.4996921	.4989961	.4983053	.4986393
	VY	.0038201	.0015061	-.0030220	-.0026084	-.0033618	-.0027466	-.0027267	-.0021560	-.0003957	-.0077967
61	VX	.5023924	.5042516	.4996881	.5037201	.5002580	.4987887	.4972968	.4980586	.4974974	.4977666
	VY	.0083323	.0010732	-.0053321	-.0023611	-.0043504	-.0040310	-.0026662	-.0023223	-.0006428	.0070541
62	VX	.5028624	.5050636	.5050240	.5012868	.4999980	.4983731	.4962854	.4959534	.4984836	.4961934
	VY	.0080120	.0015576	-.0021379	-.0054968	-.0054122	-.0048801	-.0030728	-.0008102	-.0042082	.0127824

TABELUL VITEZELOR ABSOLUTE

K	1	2	3	4	5	6	7	8	9	10
1	1.0080327	1.0171685	1.0116160	1.0054287	1.0001068	.9959320	.9927749	.9904891	.9890121	.9882899
2	1.0526645	1.0281934	1.0116133	1.0008764	.9934544	.9880998	.9842724	.9815915	.9798951	.9790777
3	.9674904	1.0048062	.9939476	.9861748	.9803020	.9758436	.9725316	.9704695	.9688553	.9679132
4	.9563962	.9653599	.9654155	.9631045	.9603714	.9578402	.9557379	.9541489	.9530798	.9525477
5	.9281545	.9457634	.9448893	.9434992	.9420291	.9406168	.9393753	.9383895	.9377105	.9373684
6	.9085821	.9247147	.9242311	.9235322	.9228187	.9221055	.9214487	.9209053	.9205191	.9203194
7	.8927174	.9045732	.9056882	.9059347	.9057493	.9054236	.9050782	.9047746	.9045528	.9044361
8	.8607043	.8934749	.8910205	.8904033	.8901128	.8898907	.8896462	.8894564	.8893175	.8892447
9	.8562335	.8701148	.8727266	.8730465	.8729247	.8727436	.8725765	.8724412	.8723468	.8722977
10	.8206272	.8657710	.8600936	.8591872	.8588345	.8586229	.8584698	.8583572	.8582819	.8582430
11	.8241567	.8394485	.8420820	.8423396	.8422750	.8421519	.8420446	.8419615	.8419052	.8418769
12	.7973876	.8314669	.8291982	.8288513	.8287455	.8286614	.8285829	.8285224	.8284787	.8284562
13	.7967593	.8107472	.8131737	.8135062	.8134859	.8134171	.8133509	.8132980	.8132616	.8132482
14	.7690853	.8045444	.8017734	.8012083	.8010177	.8009117	.8008388	.8007872	.8007538	.8007373
15	.7712258	.7844574	.7863957	.7865527	.7864788	.7863988	.7863375	.7862944	.7862669	.7862535
16	.7511460	.7764933	.7748136	.7745427	.7744515	.7743925	.7743496	.7743195	.7743004	.7742912
17	.7493164	.7595592	.7608649	.7609839	.7609638	.7609389	.7609215	.7609103	.7609037	.7609009
18	.7334367	.7508725	.7496703	.7494987	.7494776	.7494826	.7494920	.7495004	.7495065	.7495096
19	.7297607	.7357519	.7366164	.7368062	.7368997	.7369634	.7370092	.7370412	.7370616	.7370713
20	.7198693	.7245728	.7250244	.7252788	.7254338	.7255366	.7256080	.7256570	.7256879	.7257027

TABELUL VITEZELOR ABSOLUTE

K	1	2	3	4	5	6	7	8	9	10
21	.7088646	.7146471	.7144694	.7143885	.71427159	.71418203	.71409061	.7149574	.7149942	.7150123
22	.6992208	.7034654	.7037714	.7039000	.7040187	.7041223	.7042653	.7042660	.7043057	.7043251
23	.6888843	.6932415	.6933663	.6935233	.6936630	.6937761	.6938625	.6939242	.6939639	.6939832
24	.6788734	.6833714	.6835523	.6837860	.6839561	.6840764	.6841642	.6842191	.6842552	.6842720
25	.6687854	.6733405	.6739570	.6742397	.6744064	.6745022	.6745764	.6746153	.6746430	.6746562
26	.6568494	.6618930	.6652774	.6653735	.6654393	.6654898	.6655253	.6655495	.6655642	.6655715
27	.6446608	.6483442	.6571090	.6569466	.6569269	.6569249	.6569252	.6569257	.6569259	.6569262
28	.6372258	.6459764	.6474766	.6476008	.6476327	.6475857	.6475484	.6475235	.6475086	.6475015
29	.6247454	.6409356	.6402957	.6399446	.6397667	.6396607	.6395943	.6395522	.6395274	.6395157
30	.6142785	.6319359	.6311098	.6307334	.6305362	.6304168	.6303400	.6302911	.6302615	.6302477
31	.6095854	.6244151	.6227599	.6228543	.6227873	.6226812	.6226184	.6225742	.6225473	.6225343
32	.5945764	.6173464	.6156379	.6153759	.6152851	.6152246	.6151771	.6151429	.6151215	.6151110
33	.5950270	.6052730	.6065191	.6066390	.6066232	.6065954	.6065669	.6065479	.6065342	.6065270
34	.5849729	.5995333	.5994641	.5994417	.5994233	.5994102	.5993963	.5993869	.5993807	.5993781
35	.5790395	.5913615	.5913482	.5913110	.5912986	.5912938	.5912903	.5912949	.5912987	.5913007
36	.5739516	.5831692	.5842256	.5843536	.5843486	.5843501	.5843605	.5843785	.5843950	.5844032
37	.5623484	.5791350	.5779958	.5776893	.5776204	.5776287	.5776651	.5777017	.5777377	.5777546
38	.5594871	.5703380	.5698925	.5697564	.5697824	.5698660	.5699571	.5700421	.5701027	.5701350
39	.5566992	.5616695	.5625428	.5628870	.5631167	.5633036	.5634697	.5636083	.5637030	.5637537
40	.5509920	.5549695	.5556242	.5560844	.5564360	.5567301	.5569932	.5571850	.5573197	.5573927

TABELUL VITEZELOR ABSOLUTE

PAG 1 2

K	1	2	3	4	5	6	7	8	9	10
21	-7088646	-7146471	-7144693	-7145883	-7147459	-7148203	-7149001	-7149574	-7149942	-7150123
22	-6992208	-7034654	-7037744	-7039000	-7040187	-7041225	-7042053	-7042660	-7043057	-7043251
23	-6888843	-6932119	-6933663	-6935233	-6936630	-6937761	-6938625	-6939242	-6939639	-6939832
24	-6788731	-6833714	-6835523	-6837860	-6839561	-6840764	-6841642	-6842191	-6842552	-6842720
25	-6687854	-6733405	-6735570	-6742397	-6744004	-6745022	-6745764	-6746153	-6746430	-6746562
26	-6588494	-6648930	-6652774	-6653735	-6654393	-6654896	-6655253	-6655495	-6655642	-6655713
27	-6416606	-6483442	-6471090	-6469466	-6469269	-6469249	-6469252	-6469257	-6469259	-6469262
28	-6372258	-6459764	-6474766	-6476608	-6476327	-6475857	-6475484	-6475235	-6475086	-6475013
29	-6247454	-6409356	-6402957	-6399446	-6397667	-6396607	-6395943	-6395522	-6395274	-6395157
30	-6142785	-6349359	-6341098	-6307334	-6305362	-6304168	-6303400	-6302911	-6302615	-6302477
31	-6095854	-6244451	-6227599	-6228543	-6227673	-6226842	-6226484	-6225742	-6225473	-6225343
32	-5945764	-6173464	-6156379	-6153759	-6152854	-6152246	-6151771	-6151429	-6151215	-6151110
33	-5950276	-6052730	-6065191	-6066390	-6066232	-6065954	-6065669	-6065479	-6065342	-6065270
34	-5849729	-5995333	-5994641	-5994417	-5994233	-5994102	-5993963	-5993869	-5993807	-5993781
35	-5796395	-5945615	-5943482	-5943110	-5942986	-5942938	-5942903	-5942949	-5942987	-5943007
36	-5739516	-5831692	-5842256	-5843336	-5843486	-5843561	-5843603	-5843785	-5843950	-5844032
37	-5623184	-5791350	-5779958	-5776893	-5776204	-5776287	-5776651	-5777017	-5777377	-5777544
38	-5594871	-5703380	-5698925	-5697564	-5697824	-5698660	-5699571	-5700421	-5701027	-5701350
39	-5566992	-5616699	-5625428	-5628870	-5631167	-5633036	-5634697	-5636083	-5637030	-5637537
40	-5509920	-5549695	-5556242	-5560844	-5564360	-5567301	-5569932	-5571850	-5573197	-5573927

TABELUL VITEZELOR ABSOLUTE
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PAGE 3

* * N *	1	2	3	4	5	6	7	8	9	10
41	.5444214	.5486803	.5490519	.5494894	.5499286	.5503200	.5506661	.5509297	.5511192	.5512161
42	.5378424	.5421650	.5426467	.5431359	.5436247	.5441370	.5445880	.5449299	.5451779	.5453082
43	.5310149	.5357502	.5362044	.5367727	.5374206	.5381341	.5386806	.5391394	.5394582	.5396261
44	.5241639	.5291251	.5297423	.5305390	.5314297	.5323060	.5330520	.5336489	.5340407	.5342700
45	.5172021	.5222820	.5232358	.5244074	.5256341	.5268050	.5277744	.5285240	.5290340	.5292850
46	.5098539	.5151539	.5166875	.5184666	.5201675	.5216793	.5228802	.5238290	.5244139	.5247567
47	.5016737	.5075800	.5101458	.5126634	.5150521	.5169019	.5184571	.5195216	.5202178	.5206054
48	.4918853	.4994368	.5036393	.5074144	.5103844	.5126695	.5144269	.5156620	.5164919	.5168672
49	.4787082	.4910166	.4981115	.5030826	.5064934	.5092137	.5110127	.5123550	.5132230	.5136167
50	.4690098	.4867852	.4949817	.5004580	.5037749	.5064160	.5086313	.5098438	.5106167	.5110670
51	.4820069	.4883189	.4942529	.4988158	.5016717	.5046722	.5063040	.5074831	.5084639	.5087541
52	.4887397	.4913084	.4948059	.4982761	.5009583	.5027541	.5045916	.5057521	.5063420	.5068244
53	.4925843	.4938451	.4960571	.4982147	.5003314	.5019139	.5028125	.5043138	.5047656	.5051244
54	.4949469	.4959479	.4974033	.4980553	.5002518	.5007747	.5023153	.5031418	.5034250	.5038035
55	.4967534	.4972626	.4981571	.4989402	.4995222	.5007540	.5013260	.5022014	.5024740	.5026167
56	.4982404	.4985050	.4985093	.4990895	.4995183	.5009080	.5005707	.5014664	.5014663	.5017022
57	.4991487	.4989439	.4992343	.5004246	.4984276	.5009800	.5001563	.5000184	.5021038	.5005151
58	.5002157	.4999351	.5002480	.4998014	.4987226	.5011711	.4988240	.5009817	.4998434	.5001984
59	.5009883	.5009012	.5004859	.5002249	.5001103	.5001474	.4991783	.4986637	.4999855	.4992161
60	.5009775	.5028013	.5006582	.5014881	.5017291	.4965784	.4996996	.4990008	.4983055	.4987002

TABELUL VITEZELOR ABSOLUTE

K	1	2	3	4	5	6	7	8	9	10
41	.5444214	.5486803	.5490549	.5494894	.5499286	.5503200	.5506661	.5509297	.5511492	.5512141
42	.5378421	.5421650	.5426167	.5431159	.5436247	.5441370	.5445880	.5449299	.5451779	.5453082
43	.5310149	.5357502	.5362044	.5367727	.5372600	.5378341	.5384800	.5391394	.5396582	.5396261
44	.5241637	.5291251	.5297423	.5305390	.5314297	.5323060	.5330520	.5336489	.5340407	.5342700
45	.5172021	.5222820	.5232358	.5244074	.5256341	.5268050	.5277744	.5285240	.5290340	.5292850
46	.5098539	.5151539	.5166875	.5184666	.5201675	.5216793	.5228802	.5238290	.5244139	.5247567
47	.5016737	.5075800	.5101458	.5126634	.5150521	.5169019	.5184571	.5195216	.5202178	.5206054
48	.4918853	.4994368	.5036393	.5074144	.5103844	.5126695	.5144269	.5156620	.5164919	.5168672
49	.4787082	.4910166	.4981115	.5030826	.5064934	.5092137	.5110127	.5123550	.5132230	.5136167
50	.4690098	.4867852	.4949812	.5004580	.5037749	.5064160	.5086313	.5098438	.5106167	.5110670
51	.4820069	.4883189	.4942529	.4988158	.5016717	.5046722	.5063040	.5074831	.5084639	.5087541
52	.4887397	.4913084	.4948059	.4982761	.5009585	.5027541	.5045916	.5057521	.5063420	.5068244
53	.4925843	.4938451	.4960571	.4982147	.5003314	.5019139	.5028125	.5043138	.5047656	.5051244
54	.4949469	.4959479	.4974033	.4980553	.5002518	.5007747	.5023153	.5031418	.5034250	.5038035
55	.4967534	.4972626	.4981571	.4989402	.4995222	.5007540	.5013260	.5022014	.5024740	.5026167
56	.4982404	.4985050	.4985093	.4990895	.4995183	.5009080	.5005707	.5014664	.5014663	.5017022
57	.4991487	.4989439	.4992343	.5004246	.4984276	.5009800	.5001563	.5000184	.5021038	.5005151
58	.5002157	.4999351	.5002480	.4998014	.4987224	.5011711	.4988240	.5009817	.4998434	.5001984
59	.5009883	.5009012	.5004859	.5002249	.5001103	.5001474	.4991785	.4986637	.4999855	.4992161
60	.5009775	.5028013	.5006582	.5014881	.5017291	.4965784	.4996996	.4990008	.4983055	.4987002

TABELUL VITEZELOR ABSOLUTE

PAG 1 4

K	1	2	3	4	5	6	7	8	9	10
61	.5024614	.5042527	.4997165	.5037256	.5002769	.4988050	.4973040	.4980640	.4974978	.4978166
62	.5029259	.5050660	.5050285	.5013169	.5000273	.4983970	.4962950	.4959541	.4985013	.4963580

STOP

0163 DIFUZOR AN = 0000 PH = 0003 P106 = 28/06/78
H.ORB = 20M 42M 34S H.FIN = 51M 41M 09S TIME = 00233907
LGP = 00040 MEM = 0002A LO = IN = 00001 OUT = 00493
X1/XG = 1F. *G = HF. G = 1

EOJ

INSTITUTUL POLITEHNIC
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SEMIDIFUZOR PLAN PARA DESPRINDERE

ALFA = 6° H = 0.5 A1 = 0.03 m B = 0.06 m

FUNCTIA DE PRESIUNE

SEMIDIFUZOR PLAN PARA DESPRINDERE

ALFA = 6° H = 0.5 A1 = 0.05 m B = 0.06 m

FUNCTIA DE PRESIUNE

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XD(21)= 1.03412998854846
XD(22)= 2.03468676074449
XD(23)= 2.43432134209858
XD(24)= 2.23491063848073
XD(25)= 2.33767307875481
XD(26)= 2.43478377104854
XD(27)= 2.534792081390232

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DIFUZOR 28/06/78 22.51.29

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XD(28)= 2.63937751486143
XD(29)= 2.73298035846460
XD(30)= 2.84215985443330
XD(31)= 2.93903038847584
XD(32)= 3.03236238509813
XD(33)= 3.14598766488980
XD(34)= 3.23728289184159
XD(35)= 3.34459649185196
XD(36)= 3.44538847442978
XD(37)= 3.53705791882102
XD(38)= 3.64886685448533
XD(39)= 3.74413286492766
XD(40)= 3.84239674749776
XD(41)= 3.942441935877411
XD(42)= 4.04288775823618
XD(43)= 4.14264478755998
XD(44)= 4.24295600428670
XD(45)= 4.34278447449978
XD(46)= 4.4422949897837
XD(47)= 4.54223768871632
XD(48)= 4.638564088048449
XD(49)= 4.73263995433917
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XD(51)= 4.91808234848156
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XD(55)= 5.30227716127530
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XD(60)= 5.80868029441209
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XD(62)= 6.008857798869773
XC(1)= 1.0909999999999999
XC(2)= 1.1909999999999999
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XC(4)= 1.3909999999999999
XC(5)= 1.4909999999999999
XC(6)= 1.5909999999999999
XC(7)= 1.6909999999999999
XC(8)= 1.7909999999999999
XC(9)= 1.8909999999999999
XC(10)= 1.9909999999999999
XC(11)= 2.0909999999999999
XC(12)= 2.1909999999999999

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DIFUZOR 28/06/78 22.51.29

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XC(20)= 1.7909999999999999
XC(21)= 1.8909999999999999
XC(22)= 1.9909999999999999
XC(23)= 2.0909999999999999
XC(24)= 2.1909999999999999
XC(25)= 2.2909999999999999
XC(26)= 2.3909999999999999
XC(27)= 2.4909999999999999
XC(28)= 2.5909999999999999
XC(29)= 2.6909999999999999
XC(30)= 2.7909999999999999
XC(31)= 2.8909999999999999
XC(32)= 2.9909999999999999
XC(33)= 3.0909999999999999
XC(34)= 3.1909999999999999
XC(35)= 3.2909999999999999
XC(36)= 3.3909999999999999
XC(37)= 3.4909999999999999
XC(38)= 3.5909999999999999
XC(39)= 3.6909999999999999
XC(40)= 3.7909999999999999
XC(41)= 3.8909999999999999
XC(42)= 3.9909999999999999
XC(43)= 4.0909999999999999
XC(44)= 4.1909999999999999
XC(45)= 4.2909999999999999
XC(46)= 4.3909999999999999
XC(47)= 4.4909999999999999
XC(48)= 4.5909999999999999
XC(49)= 4.6909999999999999
XC(50)= 4.7909999999999999
XC(51)= 4.8909999999999999
XC(52)= 4.9909999999999999
XC(53)= 5.0909999999999999
XC(54)= 5.1909999999999999
XC(55)= 5.2909999999999999
XC(56)= 5.3909999999999999
XC(57)= 5.4909999999999999
XC(58)= 5.5909999999999999
XC(59)= 5.6909999999999999
XC(60)= 5.7909999999999999
XC(61)= 5.8909999999999999
XC(62)= 5.9909999999999999
XC(63)= 6.0909999999999999
XC(64)= 6.1909999999999999
XC(65)= 6.2909999999999999
XC(66)= 6.3909999999999999
XC(67)= 6.4909999999999999
XC(68)= 6.5909999999999999
XC(69)= 6.6909999999999999
XC(70)= 6.7909999999999999
XC(71)= 6.8909999999999999
XC(72)= 6.9909999999999999
XC(73)= 7.0909999999999999
XC(74)= 7.1909999999999999
XC(75)= 7.2909999999999999
XC(76)= 7.3909999999999999
XC(77)= 7.4909999999999999
XC(78)= 7.5909999999999999
XC(79)= 7.6909999999999999
XC(80)= 7.7909999999999999
XC(81)= 7.8909999999999999
XC(82)= 7.9909999999999999
XC(83)= 8.0909999999999999
XC(84)= 8.1909999999999999
XC(85)= 8.2909999999999999
XC(86)= 8.3909999999999999
XC(87)= 8.4909999999999999
XC(88)= 8.5909999999999999
XC(89)= 8.6909999999999999
XC(90)= 8.7909999999999999
XC(91)= 8.8909999999999999
XC(92)= 8.9909999999999999
XC(93)= 9.0909999999999999
XC(94)= 9.1909999999999999
XC(95)= 9.2909999999999999
XC(96)= 9.3909999999999999
XC(97)= 9.4909999999999999
XC(98)= 9.5909999999999999
XC(99)= 9.6909999999999999
XC(100)= 9.7909999999999999
XC(101)= 9.8909999999999999
XC(102)= 9.9909999999999999
XC(103)= 10.0909999999999999
XC(104)= 10.1909999999999999
XC(105)= 10.2909999999999999
XC(106)= 10.3909999999999999
XC(107)= 10.4909999999999999
XC(108)= 10.5909999999999999
XC(109)= 10.6909999999999999
XC(110)= 10.7909999999999999
XC(111)= 10.8909999999999999
XC(112)= 10.9909999999999999
XC(113)= 11.0909999999999999
XC(114)= 11.1909999999999999
XC(115)= 11.2909999999999999
XC(116)= 11.3909999999999999
XC(117)= 11.4909999999999999
XC(118)= 11.5909999999999999
XC(119)= 11.6909999999999999
XC(120)= 11.7909999999999999
XC(121)= 11.8909999999999999
XC(122)= 11.9909999999999999
XC(123)= 12.0909999999999999
XC(124)= 12.1909999999999999
XC(125)= 12.2909999999999999
XC(126)= 12.3909999999999999
XC(127)= 12.4909999999999999
XC(128)= 12.5909999999999999
XC(129)= 12.6909999999999999
XC(130)= 12.7909999999999999
XC(131)= 12.8909999999999999
XC(132)= 12.9909999999999999
XC(133)= 13.0909999999999999
XC(134)= 13.1909999999999999
XC(135)= 13.2909999999999999
XC(136)= 13.3909999999999999
XC(137)= 13.4909999999999999
XC(138)= 13.5909999999999999
XC(139)= 13.6909999999999999
XC(140)= 13.7909999999999999
XC(141)= 13.8909999999999999
XC(142)= 13.9909999999999999
XC(143)= 14.0909999999999999
XC(144)= 14.1909999999999999
XC(145)= 14.2909999999999999
XC(146)= 14.3909999999999999
XC(147)= 14.4909999999999999
XC(148)= 14.5909999999999999
XC(149)= 14.6909999999999999
XC(150)= 14.7909999999999999
XC(151)= 14.8909999999999999
XC(152)= 14.9909999999999999
XC(153)= 15.0909999999999999
XC(154)= 15.1909999999999999
XC(155)= 15.2909999999999999
XC(156)= 15.3909999999999999
XC(157)= 15.4909999999999999
XC(158)= 15.5909999999999999
XC(159)= 15.6909999999999999
XC(160)= 15.7909999999999999
XC(161)= 15.8909999999999999
XC(162)= 15.9909999999999999
XC(163)= 16.0909999999999999
XC(164)= 16.1909999999999999
XC(165)= 16.2909999999999999
XC(166)= 16.3909999999999999
XC(167)= 16.4909999999999999
XC(168)= 16.5909999999999999
XC(169)= 16.6909999999999999
XC(170)= 16.7909999999999999
XC(171)= 16.8909999999999999
XC(172)= 16.9909999999999999
XC(173)= 17.0909999999999999
XC(174)= 17.1909999999999999
XC(175)= 17.2909999999999999
XC(176)= 17.3909999999999999
XC(177)= 17.4909999999999999
XC(178)= 17.5909999999999999
XC(179)= 17.6909999999999999
XC(180)= 17.7909999999999999
XC(181)= 17.8909999999999999
XC(182)= 17.9909999999999999
XC(183)= 18.0909999999999999
XC(184)= 18.1909999999999999
XC(185)= 18.2909999999999999
XC(186)= 18.3909999999999999
XC(187)= 18.4909999999999999
XC(188)= 18.5909999999999999
XC(189)= 18.6909999999999999
XC(190)= 18.7909999999999999
XC(191)= 18.8909999999999999
XC(192)= 18.9909999999999999
XC(193)= 19.0909999999999999
XC(194)= 19.1909999999999999
XC(195)= 19.2909999999999999
XC(196)= 19.3909999999999999
XC(197)= 19.4909999999999999
XC(198)= 19.5909999999999999
XC(199)= 19.6909999999999999
XC(200)= 19.7909999999999999

107	XC(20)=	1.79099999252173
108	XC(21)=	1.890999998984315
109	XC(22)=	1.090999998450721
110	XC(23)=	2.090999998132621
111	XC(24)=	2.190999997076950
112	XC(25)=	2.290999996051371
113	XC(26)=	2.390999995027369
114	XC(27)=	2.490999993518630
115	XC(28)=	2.590999990157529
116	XC(29)=	2.69099984291483
117	XC(30)=	2.79099976984399
118	XC(31)=	2.89099971501235
119	XC(32)=	2.99099955709327
120	XC(33)=	3.09099948072707
121	XC(34)=	3.19099921426237
122	XC(35)=	3.29099977860015
123	XC(36)=	3.390999852408999
124	XC(37)=	3.490999799840002
125	XC(38)=	3.590999688896688
126	XC(39)=	3.690999572480850
127	XC(40)=	3.790999334880157
128	XC(41)=	3.890999154222079
129	XC(42)=	3.990998806342442
130	XC(43)=	4.090998728879460
131	XC(44)=	4.190998024729036
132	XC(45)=	4.290997110900555
133	XC(46)=	4.390996123023289
134	XC(47)=	4.490993425033622
135	XC(48)=	4.590993179631865
136	XC(49)=	4.690988720972229
137	XC(50)=	4.79097285139209
138	XC(51)=	4.89098831432047
139	XC(52)=	4.99095820962393
140	XC(53)=	5.09094275086590
141	XC(54)=	5.19096009057500
142	XC(55)=	5.290988429104493
143	XC(56)=	5.39097131954741
144	XC(57)=	5.490902715707061
145	XC(58)=	5.59093923804278
146	XC(59)=	5.69098697909368

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142	XC(60)=	5.79990201619235
143	XC(61)=	5.89947650861049
144	XC(62)=	5.09084865755212
145	VD(1)=	.98858991520092
146	VD(2)=	.97907793764516
147	VD(3)=	.96701333459174
148	VD(4)=	.95244785328255
149	VD(5)=	.93746317553216
150	VD(6)=	.92031940018446
151	VD(7)=	.90423614374798
152	VD(8)=	.88924472855499
153	VD(9)=	.87229789001848
154	VD(10)=	.85854384911035
155	VD(11)=	.84187679745502
156	VD(12)=	.82845624802723
157	VD(13)=	.81324315900854
158	VD(14)=	.80073727421918
159	VD(15)=	.78625333442326
160	VD(16)=	.77429121010057
161	VD(17)=	.76000063204072
162	VD(18)=	.74950938013575
163	VD(19)=	.73707150812751
164	VD(20)=	.72570296751604
165	VD(21)=	.71501228942560
166	VD(22)=	.70422511604213

167	VD(23)=	.693083232249099
168	VD(24)=	.684972649067999
169	VD(25)=	.674456157866091
170	VD(26)=	.665271311571299
171	VD(27)=	.65602617539842
172	VD(28)=	.64750146310235
173	VD(29)=	.63951568550906
174	VD(30)=	.63024772012565
175	VD(31)=	.62253425614493
176	VD(32)=	.61511099400154
177	VD(33)=	.60652775736959
178	VD(34)=	.59927810786700
179	VD(35)=	.59120067479295
180	VD(36)=	.58440324911674
181	VD(37)=	.57775441182865
182	VD(38)=	.57043578409838
183	VD(39)=	.56375370708250
184	VD(40)=	.55719273336740
185	VD(41)=	.55121413850001
186	VD(42)=	.54520815729121
187	VD(43)=	.53922411154741
188	VD(44)=	.53456996540525

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189	VD(45)=	.52928495772922
190	VD(46)=	.52475670266686
191	VD(47)=	.520409410649892
192	VD(48)=	.51626717786966
193	VD(49)=	.51341672996172
194	VD(50)=	.51106704444169
195	VD(51)=	.50875412292345
196	VD(52)=	.50682435094721
197	VD(53)=	.50512444107144
198	VD(54)=	.50380327919764
199	VD(55)=	.50241665899892
200	VD(56)=	.501702222767247
201	VD(57)=	.50091510527238
202	VD(58)=	.50019841130632
203	VD(59)=	.49921610989813
204	VD(60)=	.49870021734125
205	VD(61)=	.49781662422107
206	VD(62)=	.49625804545503
207	VC(1)=	1.01716847449976
208	VC(2)=	1.02819342764686
209	VC(3)=	1.00480624762074
210	VC(4)=	.96515989453695
211	VC(5)=	.92576342017143
212	VC(6)=	.92471470963597
213	VC(7)=	.90497318143646
214	VC(8)=	.89347485470209
215	VC(9)=	.87041179302880
216	VC(10)=	.86377097339008
217	VC(11)=	.83944854703582
218	VC(12)=	.83146689227714
219	VC(13)=	.81074717122152
220	VC(14)=	.80494437491330
221	VC(15)=	.78425737781319
222	VC(16)=	.77649350354267
223	VC(17)=	.75953915111471
224	VC(18)=	.75087252691661
225	VC(19)=	.73575190845369
226	VC(20)=	.72457280601923
227	VC(21)=	.71441708960519
228	VC(22)=	.70346542301772
229	VC(23)=	.69321146380510
230	VC(24)=	.68327143888013
231	VC(25)=	.67324051091996

167	VD(23)=	.69308323244979
168	VD(24)=	.68457264994299
169	VD(25)=	.67445615784491
170	VD(26)=	.664527131157129
171	VD(27)=	.65692617539842
172	VD(28)=	.64750146319235
173	VD(29)=	.63951568550996
174	VD(30)=	.63024772012565
175	VD(31)=	.62253425614493
176	VD(32)=	.61511099400154
177	VD(33)=	.60652775714959
178	VD(34)=	.59927810784700
179	VD(35)=	.59120067279295
180	VD(36)=	.58440324911674
181	VD(37)=	.57775441182845
182	VD(38)=	.57043578409838
183	VD(39)=	.56375370708250
184	VD(40)=	.55739273334740
185	VD(41)=	.55121413859001
186	VD(42)=	.54530819729121
187	VD(43)=	.53922411134741
188	VD(44)=	.53456996540595

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189	VD(45)=	.52928495772922
190	VD(46)=	.52475670264686
191	VD(47)=	.52040541045892
192	VD(48)=	.516286717784944
193	VD(49)=	.51341672994472
194	VD(50)=	.51106704444169
195	VD(51)=	.508754122044515
196	VD(52)=	.50622435074721
197	VD(53)=	.50512444107144
198	VD(54)=	.50380327919744
199	VD(55)=	.50241465899092
200	VD(56)=	.50170222707247
201	VD(57)=	.50041510547238
202	VD(58)=	.50019841130632
203	VD(59)=	.49921610989813
204	VD(60)=	.49870021744125
205	VD(61)=	.49781662422107
206	VD(62)=	.49675804545903
207	VC(1)=	.01716847414976
208	VC(2)=	.02819342764680
209	VC(3)=	.00480624702074
210	VC(4)=	.94525989453635
211	VC(5)=	.92576342037143
212	VC(6)=	.92471470963597
213	VC(7)=	.90457318143646
214	VC(8)=	.89327485470409
215	VC(9)=	.87041179302880
216	VC(10)=	.86377097339008
217	VC(11)=	.83924834797582
218	VC(12)=	.83146689227714
219	VC(13)=	.81074717122152
220	VC(14)=	.80494437491330
221	VC(15)=	.78425737781319
222	VC(16)=	.77619350554267
223	VC(17)=	.75953015114471
224	VC(18)=	.75087252691661
225	VC(19)=	.73575190845369
226	VC(20)=	.72457280401923
227	VC(21)=	.71461708960539
228	VC(22)=	.70326542304772
229	VC(23)=	.69321146380510
230	VC(24)=	.68327443488013
231	VC(25)=	.67324051091996

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VC(26)= .66489295714097
VC(27)= .6582441762885
VC(28)= .64507638413099
VC(29)= .64003559735424

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VC(30)= .63193589353518
VC(31)= .62121512344109
VC(32)= .61724640628360
VC(33)= .60527300779753
VC(34)= .59255327877653
VC(35)= .59156154225109
VC(36)= .58316920461004
VC(37)= .57913501208056
VC(38)= .57023798074124
VC(39)= .56126947252656
VC(40)= .55406946728767
VC(41)= .54868026512507
VC(42)= .54216504930588
VC(43)= .53575015327411
VC(44)= .52912506496234
VC(45)= .52258200845483
VC(46)= .51515391742529
VC(47)= .50727996444456
VC(48)= .49923683803549
VC(49)= .49101656760900
VC(50)= .48678524949270
VC(51)= .48211893128703
VC(52)= .49120835068006
VC(53)= .49324508621803
VC(54)= .49504786663924
VC(55)= .49756255790829
VC(56)= .49820498288343
VC(57)= .49804388961083
VC(58)= .49903510500061
VC(59)= .50000121350645
VC(60)= .50220131872882
VC(61)= .50425273617316
VC(62)= .50526603920480
DPSID(1)= .111566430169900E+00
DPSID(2)= .928722842834023E-01
DPSID(3)= .111397087802210E+00
DPSID(4)= .928200001933540E-01
DPSID(5)= .105800226141110E+00
DPSID(6)= .978207475972320E-01
DPSID(7)= .945622289055758E-01
DPSID(8)= .107761192000627E+00
DPSID(9)= .916814403171729E-01
DPSID(10)= .109812427351400E+00
DPSID(11)= .927502498183526E-01
DPSID(12)= .108360144417502E+00
DPSID(13)= .918370894404872E-01
DPSID(14)= .109668728710613E+00

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DPSID(15)= .934283071873464E-01
DPSID(16)= .10788052413541E+00
DPSID(17)= .947547169680182E-01
DPSID(18)= .106874100644124E+00
DPSID(19)= .101081710481714E+00
DPSID(20)= .982614228112900E-01
DPSID(21)= .101554789174648E+00
DPSID(22)= .101674443217478E+00
DPSID(23)= .925892177611424E-01
DPSID(24)= .100762428062077E+00

294	DPSID(25)=	9A110A0318672RAE-01
294	DPSID(26)=	9A00827135378A0E-01
295	DPSID(27)=	107585511569177E+00
29A	DPSID(28)=	9352287580214A9E-01
297	DPSID(29)=	11125R7028687A8E+00
29A	DPSID(30)=	9A8712469435343E-01
299	DPSID(31)=	933370R5514297AE-01
300	DPSID(32)=	11054527A0194A9E+00
301	DPSID(33)=	94375227A3198A4E-01
302	DPSID(34)=	10931740001237A8E+00
303	DPSID(35)=	9579198997581A0E+01
304	DPSID(36)=	946692793912351E-01
305	DPSID(37)=	11160R040544349E+00
30A	DPSID(38)=	964652046823258E-01
307	DPSID(39)=	99264A8A7501074E-01
30A	DPSID(40)=	100022A1117632A8E+00
309	DPSID(41)=	9966R7914620714E-01
310	DPSID(42)=	10055907729380A0E+00
311	DPSID(43)=	100311213676714E+00
312	DPSID(44)=	9932R27419306R5E-01
313	DPSID(45)=	9A01027357860A5E-01
314	DPSID(46)=	979427793379524E-01
315	DPSID(47)=	9A326201188170AE-01
31A	DPSID(48)=	97079R4A834684AE-01
317	DPSID(49)=	879871A04991547E-01
318	DPSID(50)=	92375271R2322A9E-01
319	DPSID(51)=	954331173862107E-01
320	DPSID(52)=	9676092994702A7E-01
321	DPSID(53)=	978417A09624345E-01
322	DPSID(54)=	982389R429826A9E-01
323	DPSID(55)=	99030R2465153A1E-01
324	DPSID(56)=	9A99902277347A4E-01
325	DPSID(57)=	99296A4073171A4E-01
326	DPSID(58)=	995222R8A549079E-01
327	DPSID(59)=	99555A584249372E-01
328	DPSID(60)=	99860R0A83655A4E-01
329	DPSID(61)=	10003A7973490A1E+00

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330	DPSIC(1)=	100003280648362E+00
331	DPSIC(2)=	100547186600157E+00
332	DPSIC(3)=	100544459287071E+00
333	DPSIC(4)=	100547167218679E+00
334	DPSIC(5)=	100544721536778E+00
335	DPSIC(6)=	100544R30211875E+00
336	DPSIC(7)=	10054A756767526E+00
337	DPSIC(8)=	10054A7A7907332E+00
338	DPSIC(9)=	10054A745339974E+00
339	DPSIC(10)=	10054A736741340E+00
340	DPSIC(11)=	10054A7A24439A0E+00
341	DPSIC(12)=	10054A736355409E+00
342	DPSIC(13)=	10054A778929344E+00
343	DPSIC(14)=	10054A775281649E+00
344	DPSIC(15)=	10054A7364169R8E+00
345	DPSIC(16)=	10054A735305228E+00
346	DPSIC(17)=	10054A7754980A8E+00
347	DPSIC(18)=	10054A7745898A8E+00
348	DPSIC(19)=	10054A7797637A8E+00
349	DPSIC(20)=	10054A731949827E+00
350	DPSIC(21)=	10054A732235274E+00
351	DPSIC(22)=	10054A7779609R8E+00
352	DPSIC(23)=	10054A72483811RE+00
353	DPSIC(24)=	10054A724698477E+00
354	DPSIC(25)=	10054A72A763843E+00
355	DPSIC(26)=	10054A72493555E+00
356	DPSIC(27)=	10054A7708196574E+00
357	DPSIC(28)=	10054A6A83216497E+00


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35R DPSTC(29)= 1005444470388RRE+00
359 DPSTC(30)= 100544484289045E+00
360 DPSTC(31)= 10054448835694E+00
364 DPSTC(32)= 100544467785149E+00
367 DPSTC(33)= 100544484389056E+00
369 DPSTC(34)= 10054447731147RE+00
362 DPSTC(35)= 1005444912486R1E+00
365 DPSTC(36)= 1005444710927177E+00
36A DPSTC(37)= 100544474221741E+00
367 DPSTC(38)= 100544495806R2E+00
368 DPSTC(39)= 100544476723093E+00
360 DPSTC(40)= 10054449894149E+00
370 DPSTC(41)= 10054443930384R+00
374 DPSTC(42)= 100544494466979E+00
375 DPSTC(43)= 10054447771917RE+00
379 DPSTC(44)= 1005444775R459548E+00
37A DPSTC(45)= 100544495669217E+00
379 DPSTC(46)= 10054447333525RE+00
37A DPSTC(47)= 100544487466940E+00

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FORTRAN 00.00

DIFUZOR 28/06/78 22.51.29

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377 DPSTC(48)= 100502272495879E+00
37R DPSTC(49)= 1003940664930874E+00
370 DPSTC(50)= 100019263026379E+00
380 DPSTC(51)= 9994920530345RE-01
384 DPSTC(52)= 99982424541960RE-01
387 DPSTC(53)= 100047470709107E+00
384 DPSTC(54)= 9992250146992A7E-01
382 DPSTC(55)= 100087027602477E+00
385 DPSTC(56)= 100094877532200E+00
38A DPSTC(57)= 999120000031742E-01
387 DPSTC(58)= 100047741050805E+00
38A DPSTC(59)= 999150370986807E-01
389 DPSTC(60)= 995722024181421E-01
390 DPSTC(61)= 10037744894367RE+00
394 FI( 1)= .500104357241211E+00
395 FI( 2)= .500272494578237E+00
399 FI( 3)= .510913837570921E+00
39A FI( 4)= .521714057507033E+00
394 FI( 5)= .532053794094154E+00
396 FI( 6)= .542948994237638E+00
397 FI( 7)= .553172800213116E+00
398 FI( 8)= .563550209977952E+00
399 FI( 9)= .574239425596562E+00
400 FI(10)= .582602070423325E+00
401 FI(11)= .594245489009810E+00
402 FI(12)= .604530595023268E+00
403 FI(13)= .614223777730547E+00
404 FI(14)= .622532947368942E+00
405 FI(15)= .639273104709537E+00
406 FI(16)= .647464179479413E+00
407 FI(17)= .658232243144524E+00
40R FI(18)= .668478700745993E+00
409 FI(19)= .679263039204450E+00
410 FI(20)= .689813901361600E+00
411 FI(21)= .700094794190004E+00
412 FI(22)= .710674446715246E+00
413 FI(23)= .721279370713269E+00
414 FI(24)= .731583600410330E+00
41A FI(25)= .742096670113249E+00
415 FI(26)= .752400040121341E+00
416 FI(27)= .763746082401322E+00
417 FI(28)= .774575749001149E+00
418 FI(29)= .781691487778129E+00
419 FI(30)= .792943484001470E+00
420 FI(31)= .804882700731423E+00
421 FI(32)= .8142176440922857E+00
422

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35R DPSTC(29)= 1005444470388R0E+00
359 DPSTC(30)= 100544484289045E+00
360 DPSTC(31)= 10054448R356904E+00
364 DPSTC(32)= 1005444A7851A9E+00
367 DPSTC(33)= 1005444R4389056E+00
368 DPSTC(34)= 1005444771147R0E+00
36L DPSTC(35)= 1005444112486R1E+00
365 DPSTC(36)= 100544410927177E+00
36A DPSTC(37)= 1005444712217A1E+00
367 DPSTC(38)= 1005444175806R2E+00
36R DPSTC(39)= 100544476723073E+00
369 DPSTC(40)= 1005440A98941A9E+00
370 DPSTC(41)= 100543339303804E+00
374 DPSTC(42)= 1005449040466979E+00
377 DPSTC(43)= 100530R5771917AE+00
378 DPSTC(44)= 10053777R4595A8E+00
37L DPSTC(45)= 10053A936692177E+00
374 DPSTC(46)= 10052007733525RE+00
37A DPSTC(47)= 1005440874669A0E+00

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FORTRAN 00.00

DIFUZOR

28/06/78 22.51.29

8

```

377 DPSTC(48)= 100502272495879E+00
37R DPSTC(49)= 1003930A4930874E+00
379 DPSTC(50)= 100015263026379E+00
380 DPSTC(51)= 99969R9530365R1E-01
384 DPSTC(52)= 999824212419604E-01
387 DPSTC(53)= 100047770709107E+00
388 DPSTC(54)= 9992250446992A7E-01
38Z DPSTC(55)= 1000R7027602477E+00
385 DPSTC(56)= 100054R47532200E+00
38A DPSTC(57)= 999120R08517A4E-01
387 DPSTC(58)= 1000477A1030805E+00
38A DPSTC(59)= 999150370986602E-01
389 DPSTC(60)= 995722024181421E-01
390 DPSTC(61)= 10037512894365RE+00
391 FI( 1)= .50A1043572A1211E+00
397 FI( 2)= .50A2722494578257E+00
397 FI( 3)= .51A91383722R921E+00
39L FI( 4)= .521714057007033E+00
394 FI( 5)= .53205379A094134E+00
39L FI( 6)= .542928994244638E+00
397 FI( 7)= .552172800211116E+00
39R FI( 8)= .562550209077952E+00
399 FI( 9)= .572239425396542E+00
400 FI(10)= .582602070443325E+00
401 FI(11)= .5922254850009810E+00
407 FI(12)= .602530502027268E+00
408 FI(13)= .61A273727230547E+00
40L FI(14)= .622532971248942E+00
404 FI(15)= .63223510A7R0537E+00
406 FI(16)= .647464179479413E+00
407 FI(17)= .65R232247144524E+00
40R FI(18)= .66R4382R745993E+00
409 FI(19)= .6702630392R4450E+00
409 FI(20)= .680813901761000E+00
410 FI(21)= .70009479449004E+00
414 FI(22)= .710674467157446E+00
417 FI(23)= .721279370713269E+00
418 FI(24)= .7315R369R40330E+00
41A FI(25)= .742096670117249E+00
414 FI(26)= .752400040121541E+00
417 FI(27)= .7627440R4A04522E+00
41R FI(28)= .772575740001149E+00
41R FI(29)= .782691487778129E+00
419 FI(30)= .7929436R2R4470E+00
42R FI(31)= .8028R27R8771423E+00
421 FI(32)= .8121764A927857E+00
427

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423
FORTRAN 00.00

FI(33)= .824083500028061E+00

DIFUZOR 28/06/78 22.51.29

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424 FI(34)= .836191872321650E+00
 425 FI(35)= .847342359403731E+00
 426 FI(36)= .857372803537592E+00
 427 FI(37)= .867625240404551E+00
 428 FI(38)= .878860869234918E+00
 429 FI(39)= .88993938427434E+00
 430 FI(40)= .890334655443539E+00
 431 FI(41)= .900793264421019E+00
 432 FI(42)= .920250120543817E+00
 433 FI(43)= .930736828089883E+00
 434 FI(44)= .941237344039769E+00
 435 FI(45)= .951667124087987E+00
 436 FI(46)= .962003358853841E+00
 437 FI(47)= .972359841871673E+00
 438 FI(48)= .982774653487647E+00
 439 FI(49)= .993158190915486E+00
 440 FI(50)= .100035602453099E+01
 441 FI(51)= .100016125999462E+01
 442 FI(52)= .100008324788515E+01
 443 FI(53)= .100004477439977E+01
 444 FI(54)= .100002487416651E+01
 445 FI(55)= .100001565467420E+01
 446 FI(56)= .100001158378439E+01
 447 FI(57)= .10000136788893E+01
 448 FI(58)= .100001391750275E+01
 449 FI(59)= .100002169764881E+01
 450 FI(60)= .100002500350498E+01
 451 FI(61)= .100004045090182E+01
 452 FI(62)= .100006968222700E+01
 453 DS(1)= .543903543703322E-01
 454 DS(2)= .488143269597938E-01
 455 DS(3)= .557887400131076E-01
 456 DS(4)= .513265338499347E-01
 457 DS(5)= .458527200781833E-01
 458 DS(6)= .532075800823628E-01
 459 DS(7)= .526049594833006E-01
 460 DS(8)= .602607688481941E-01
 461 DS(9)= .531458011051106E-01
 462 DS(10)= .635688308257566E-01
 463 DS(11)= .554855352258832E-01
 464 DS(12)= .651021728959660E-01
 465 DS(13)= .571379461261023E-01
 466 DS(14)= .680693118316211E-01
 467 DS(15)= .600005052482731E-01
 468 DS(16)= .691392685232016E-01
 469 DS(17)= .627614918700383E-01
 470 DS(18)= .710030864419662E-01

DIFUZOR 28/06/78 22.51.29

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FORTRAN 00.00

471 DS(19)= .686569847762240E-01
 472 DS(20)= .479720279882060E-01
 473 DS(21)= .710543580260912E-01
 474 DS(22)= .721769701849327E-01
 475 DS(23)= .712903290365405E-01
 476 DS(24)= .737404550106961E-01
 477 DS(25)= .730235864850586E-01
 478 DS(26)= .725766407267779E-01
 479 DS(27)= .81504983733619E-01
 480 DS(28)= .729096540738474E-01
 481 DS(29)= .862057630394045E-01
 482 DS(30)= .758900660292997E-01
 483 DS(31)= .754902800259203E-01


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484 DS(32)= .89537487A222780E-01
485 DS(33)= .78510219A005122E-01
486 DS(34)= .90A0A579A8A7649E-01
487 DS(35)= .81A191422412325E-01
488 DS(36)= .81A876309078274E-01
489 DS(37)= .957904217A45152E-01
490 DS(38)= .852245440270680E-01
491 DS(39)= .882901587787180E-01
492 DS(40)= .90164868A007237E-01
493 DS(41)= .900679642009670E-01
494 DS(42)= .02A092891A17494E-01
495 DS(43)= .937397167274284E-01
496 DS(44)= .940824036704629E-01
497 DS(45)= .04155306A220396E-01
498 DS(46)= .957798224620293E-01
499 DS(47)= .960579521103865E-01
500 DS(48)= .97147553A075703E-01
501 DS(49)= .901900355373616E-01
502 DS(50)= .947476451204995E-01
503 DS(51)= .97191624A8A73356E-01
504 DS(52)= .982166107062216E-01
505 DS(53)= .987950044048213E-01
506 DS(54)= .992146687424369E-01
507 DS(55)= .994833492586013E-01
508 DS(56)= .99A023925A66248E-01
509 DS(57)= .99560933A05A214E-01
510 DS(58)= .990011257A21164E-01
511 DS(59)= .99009367A828297E-01
512 DS(60)= .997538492196336E-01
513 DS(61)= .100498667194332E+00
514 I1=62
515 R=0.00015
516 CPD=0.04
517 ALFA=(1-H)*A1/H/DG

```

FORTRAN 00.00

DIFUZOR 28/06/78 22.51.29

11

```

518 ALFA=ATAN(ALFA)
519 CPP=0.43*ALFA*(1-H)/H
520 DO 10 L=1,7
521 VM=VM1(L)
522 CV1=CV(L)
523 DPF=0.0
524 DPD=0.0
525 DPP=0.0
526 PRINT 4,A1,B,RO,VM,CV1
527 PRINT 6
528 DO 10 N=1,I1
529 XC1=A1+XC(N)/H
530 PCT=RO+VM**2*(1.0-VC(N)**2)/2.0
531 PCR=PCT-DPF-DPP-DPP
532 XD1=A1+XD(N)/H
533 PDT=RO+VM**2*(1.0-VD(N)**2)/2.0
534 PDR=PDT-DPF-DPP-DPP
535 PRINT 8,N,DPF,DPD,DPP,XC1,PCT,PCR,XD1,PDT,PDR
536 IF(N.EQ.I1) GO TO 10
537 DH=2*A1+B*FI(N)/(B+H+A1*FI(N))
538 RE=2.0*A1+B*VM/CV1/(A1+FI(N)/H)
539 CPL=0.1*(1.4A+R/DH+100/RE)**0.25
540 DDPF=RO+VM**2+H**2*CPI*(DPCYC(N)+DPSID(N)+2*A1*DS(N)/B/H)/FI(N)**3
541 1/8.0
542 DPF=DPF+DDPF
543 DPD=CPD+RO+VM**2*(1-(H/FI(N+1))**2)/2.0
544 IF((N.EQ.1).OR.(N.EQ.I1-1)) GO TO 16
545 DPP=CPP+RO+VM**2+R*PCT*(XD(N+1)*(2.0-XD(N+1)/(1-H)/6)/(1-H)/6)/2.0
546 GO TO 10
547 16 DPP=0.0
548 10 CONTINUE

```

```

484 DS(32)= .89537487A997780E-01
485 DS(33)= .78510219AA05122E-01
486 DS(34)= .90A0A5793R43649E-01
487 DS(35)= .81A191422412325E-01
488 DS(36)= .81A876309038274E-01
489 DS(37)= .957994213655152E-01
490 DS(38)= .852245440770680E-01
491 DS(39)= .884901587783180E-01
492 DS(40)= .901648684007237E-01
493 DS(41)= .900679642009670E-01
494 DS(42)= .928092894417494E-01
495 DS(43)= .937397167774284E-01
496 DS(44)= .940824036704629E-01
497 DS(45)= .941553066220396E-01
498 DS(46)= .953298274670293E-01
499 DS(47)= .960579524103865E-01
500 DS(48)= .971475534075703E-01
501 DS(49)= .901900355371616E-01
502 DS(50)= .947476451704995E-01
503 DS(51)= .971916748843356E-01
504 DS(52)= .982166107062216E-01
505 DS(53)= .987950044048213E-01
506 DS(54)= .995146683429369E-01
507 DS(55)= .994833492586013E-01
508 DS(56)= .996023925666248E-01
509 DS(57)= .9966093338058214E-01
510 DS(58)= .990011257624164E-01
511 DS(59)= .990093674828297E-01
512 DS(60)= .992538492406336E-01
513 DS(61)= .100498667194332E+00
514 I1=62
515 R=0.00015
516 CPD=0.04
517 ALFA=(1-H)*A1/H/DG

```

FORTRAN 00.00

DIFUZOR 28/06/78 22.51.29

11

```

518 ALFA=ATAN(ALFA)
519 CPP=0.43*ALFA*(1-H)/H
520 DO 10 L=1,7
521 VM=VM1(L)
522 CV1=CV(L)
523 DPF=0.0
524 DPD=0.0
525 DPP=0.0
526 PRINT 4,A1,B,RO,VM,CV1
527 PRINT 6
528 DO 10 N=1,I1
529 XC1=A1*XC(N)/H
530 PCT=RO*VM**2*(1.0-VC(N)**2)/2.0
531 PCR=PCT-DPF-nPD-DPP
532 XD1=A1*XD(N)/H
533 PDT=RO*VM**2*(1.0-VD(N)**2)/2.0
534 PDR=PDT-DPF-nPD-DPP
535 PRINT 8,N,nPC,nPD,nPP,XC1,PCT,PCR,XD1,PDT,PDR
536 IF(N.EQ.I1) GO TO 10
537 DH=2*A1*B*FI(N)/(B*H+A1*FI(N))
538 RE=2.0*A1*n*VM/CV1/(R*A1*FI(N)/H)
539 CPL=0.1*(1.4A*n/DH+100/RE)**0.25
540 DDPF=RO*VM**2*n**2*cpl*(DPCTC(N)+DPSID(N)+2*A1*DS(N)/B/H)/FI(N)**3
541 1/8.0
542 DPF=DPF+DDPF
543 DPD=CPD*RO*VM**2*(1-(H/FI(N+1))**2)/2.0
544 IF((N.EQ.1).OR.(N.EQ.I1)) GO TO 16
545 DPP=CPP*RO*VM**2*n**2*(XD(N+1)*(2.0-XD(N+1)/(1-H)/6)/(1-H)/6)/2.0
546 GO TO 10
547 16 DPP=0.0
548 10 CONTINUE

```

540
550
FORTRAN 00.00

STOP
END

DIPUZOR 28/06/78 22.51.29

12

MODULE	FXMATA	TYPE	P	LONGUEUR	3658 (13912)
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***** FIN DE COMPILATION (PLUS HAUT NIVEAU D'ERREUR RENCONTRE = 0) 22.52.55

D183 DIFUZOR AN = 0000 PH = 0001 P100 = 28/06/78
H. DEB = 22H 50M 56S H. FIN = 22H 52M 57S TIME = 00008517
LAD = A0040 MEM = 00043 LO = IN = 00555 OUT = 00000
XJ/X6- F. *G- HF. G- J

LINK
LINK STARTED

AUCUNE ERREUR A L EDITION DE LIENS

0183 DIFUZOR AN = 0000 PH = 0001 P106 = 28/06/78
M.DEB = 22H 50M 56S H-FIN = 22H 52M 57S TIME = 00000517
LDR = A0040 MEM = 00013 LO = IN = 00553 OUT = 00000
XJ/XG- IF *G- HF. G= J

LINK LINK
LINK STARTED

AUCUNE ERREUR A L EDITION DE LIENS

A1 # .0300 B # ,0400 RD # 1000.0000 VM1 # 2.5000 CV # .90000E=06

N	D P F	D P D	D P B	X C	P C T	P C R	X D	P D T	P D B
1	.000000	.000000	.000000	.006000	-108.224079	-108.224079	.005870	72.739510	72.739510
2	14.134536	-136107	.000000	.000000	-178.692890	-178.692890	.000824	129.394973	115.124332
3	27.227151	3.283312	38.114843	.006000	-38.111233	-100.736562	.006756	197.324302	126.698974
4	40.577349	10.189014	53.247720	.012000	212.750896	108.736773	.013440	289.539343	185.525252
5	52.245341	16.607663	68.361928	.018000	329.786402	198.571870	.019364	379.219616	249.005384
6	63.810397	18.993631	77.837753	.024000	452.820936	297.679272	.025715	478.163110	323.021447
7	74.209287	22.875866	79.462246	.030000	567.960198	391.413679	.031584	568.733106	392.187776
8	83.876040	28.602334	85.536322	.036000	636.520888	436.288192	.037258	653.886919	457.852219
9	93.863868	30.231306	91.750199	.042000	739.074866	543.234019	.043724	747.176222	531.830653
10	102.614746	33.561452	94.500523	.048000	793.456580	560.959839	.049224	823.179673	590.702953
11	111.557732	36.802190	101.661074	.054000	922.894473	678.873172	.055813	910.135843	660.144810
12	119.360046	39.772874	105.629203	.060000	984.571972	699.809169	.061378	980.188246	715.426143
13	127.593141	42.705029	109.867337	.066000	1070.903201	780.737484	.067880	1058.236149	778.070421
14	134.643644	45.390991	114.157017	.072000	1102.213890	809.021938	.073391	1121.311920	828.120268
15	142.205856	48.042356	114.757077	.078000	1201.558195	894.932707	.079971	1193.141810	886.136329
16	148.709364	50.454998	110.564911	.084000	1240.805737	929.070664	.085576	1251.478506	932.749233
17	155.551943	52.874022	122.533201	.090000	1322.073425	991.134159	.092050	1315.719463	984.760397
18	161.560379	54.059717	124.913895	.096000	1363.349153	1021.561202	.097735	1369.483592	1027.951661
19	167.789416	57.271093	127.360506	.102000	1433.349229	1081.010311	.104147	1427.267475	1074.816739
20	173.556317	59.327109	129.454236	.108000	1484.537036	1129.019365	.110212	1479.235100	1116.897428
21	178.976880	61.249159	131.294211	.114000	1539.132548	1157.619708	.116108	1527.366956	1155.854176
22	184.300680	63.125942	133.002089	.120000	1598.551246	1198.122833	.122201	1574.769159	1194.340409
23	189.416942	64.932015	134.521407	.126000	1623.305833	1232.435377	.128299	1619.960227	1231.059772
24	194.235783	66.612217	134.820000	.132000	1665.633873	1268.967873	.134295	1661.784189	1265.146189
25	198.942906	68.254810	134.973826	.138000	1708.166439	1303.992609	.140280	1702.622090	1298.458600
26	203.394095	69.798306	137.033111	.144000	1743.491736	1339.368234	.146147	1740.671341	1329.545829
27	207.622334	71.285403	138.748289	.150000	1770.571703	1359.948778	.151908	1776.400000	1358.774013
28	217.024700	72.779103	139.420862	.156000	1820.982867	1396.738182	.158363	1814.818297	1390.893633
29	215.884400	74.118517	139.884484	.162000	1841.251775	1411.370386	.165376	1846.913655	1417.052016
30	219.759999	75.548723	140.249607	.168000	1877.053908	1441.178884	.170650	1883.711910	1447.837587
31	223.005311	76.762496	140.410210	.174000	1918.205138	1477.386900	.176342	1913.919687	1473.036450
32	227.108196	77.977807	140.431045	.180000	1934.010471	1488.432623	.181942	1942.630203	1497.042156
33	230.931918	79.206681	140.279785	.186000	1980.139431	1529.720947	.188574	1975.387749	1524.969304
34	234.193211	80.307141	139.999240	.192000	2001.674581	1547.172990	.194237	2002.330887	1547.829293
35	237.687928	81.475661	139.498799	.198000	2031.421493	1573.789306	.200796	2032.389978	1573.723588
36	240.770864	82.488090	138.903879	.204000	2062.230246	1600.067413	.206543	2057.727633	1595.864799
37	243.735809	83.486053	138.170500	.210000	2076.883940	1611.469988	.212223	2081.874409	1646.481247
38	246.956784	84.541301	137.117000	.216000	2108.483087	1639.870193	.218920	2109.203712	1640.590817
39	249.769810	85.453712	134.038322	.222000	2139.148136	1667.888073	.224708	2131.817993	1680.536129
40	252.557344	86.362630	134.761443	.228000	2142.527782	1688.848463	.230464	2154.104190	1680.822812
41	255.907804	87.245860	131.298709	.233999	2182.248466	1708.397993	.236663	2175.509303	1699.688660
42	257.808002	88.097386	131.659673	.239999	2206.428110	1728.815230	.242665	2195.766917	1718.081450
43	260.480974	88.902584	129.814848	.245999	2228.036791	1748.815230	.248679	2215.018183	1735.996634
44	263.975331	89.726243	127.775326	.251999	2250.010333	1769.606211	.254697	2232.086263	1752.509144
45	265.983470	90.495170	125.390608	.257998	2272.257109	1791.133780	.260657	2249.554480	1768.125141
46	267.704287	91.232660	123.144087	.263998	2295.876479	1813.595175	.266538	2264.470000	1782.388805
47	269.962988	91.948133	120.346778	.269996	2319.883061	1837.655165	.272414	2278.031270	1795.603374
48	272.169100	92.644946	117.640080	.275996	2343.508890	1863.054165	.278314	2290.151001	1807.686276
49	274.299401	93.347938	114.549148	.281993	2371.571032	1889.604365	.284138	2300.618207	1818.451830
50	276.240442	93.772260	111.313299	.287999	2384.500970	1902.974436	.289418	2308.782738	1827.258796
51	278.200443	93.740076	104.063571	.293997	2379.826961	1896.794661	.294960	2316.153882	1836.121602
52	280.214697	93.753204	104.195923	.299997	2370.303227	1890.309503	.300482	2322.278349	1844.112345
53	282.240791	93.752798	99.916117	.305998	2336.868721	1884.950803	.306492	2327.854059	1851.744423
54	284.278686	93.751553	99.145008	.311998	2336.361805	1883.158800	.312362	2331.819550	1858.714804
55	286.322467	93.750979	89.928713	.317993	2332.281090	1883.278732	.318257	2335.551544	1865.549106
56	288.374396	93.750724	84.036648	.323998	2368.414038	1889.233160	.324198	2338.421480	1872.239708
57	290.428747	93.750855	77.467574	.330002	2347.666859	1885.401373	.330138	2342.130466	1880.493900
58	292.480046	93.750870	69.932904	.335996	2333.952781	1882.788930	.336096	2343.129841	1886.966071
59	294.533843	93.751356	61.407109	.341999	2350.931409	1891.538188	.342067	2346.197736	1896.800735
60	296.596333	93.751563	56.336350	.347994	2334.971336	1894.287110	.348041	2347.806541	1907.182245
61	298.668304	93.752328	55.862011	.353969	2330.403481	1902.140818	.354032	2350.558152	1922.298289
62	300.714996	93.754335	.000000	.359901	2327.888424	1933.367073	.360035	2355.080458	1960.648308

A1 = .0300 R = .0600 RO = 1000.0000 VM1 = 3.0000 CV = .87000E-06

N	D P P	D P D	D P D	X C	P C T	P C R	X D	P D Y	P D R
1	.000000	.000000	.000000	-.000000	-155.842674	-155.842674	-.005870	104.773694	104.773674
2	20.212563	.195993	.000000	-.000000	-257.317764	-277.726317	.000824	186.328764	165.920208
3	18.935127	7.607970	54.885402	-.000000	-43.360179	-141.788678	.0006736	284.146995	182.718496
4	58.023482	14.672180	74.676717	.012000	306.361933	154.988754	.013440	496.936642	267.564161
5	74.104644	21.035035	91.240148	.018000	474.891087	287.912174	.019364	546.076247	339.806434
6	91.236334	27.350829	104.166325	.024000	652.062176	429.308688	.023745	688.55197	465.801420
7	106.099341	32.941247	114.425663	.030000	817.863117	564.396866	.031584	818.978643	565.312430
8	119.014190	38.307361	123.201103	.036000	977.662178	626.239664	.037258	941.597187	660.174543
9	134.186047	43.533369	132.120277	.042000	1030.746004	727.234891	.043726	1075.933700	768.094047
10	146.403453	48.328490	138.960753	.048000	1142.548075	808.858279	.049224	1185.378790	851.686334
11	159.464640	52.995154	144.391946	.054000	1228.967409	907.113870	.055813	1290.595560	931.643824
12	170.609495	57.272939	152.106053	.060000	1388.982432	1008.994146	.064378	1441.471163	1031.482617
13	182.368573	61.495271	158.208950	.066000	1542.100410	1140.027813	.067880	1523.860010	1121.787245
14	192.436828	65.363028	162.946104	.072000	1587.187470	1168.441616	.073391	1614.689145	1193.943204
15	203.234850	69.181280	168.130100	.078000	1730.899801	1290.273480	.079971	1718.124207	1277.577886
16	212.520031	72.655198	172.173472	.084000	1786.760261	1420.441561	.085576	1802.129049	1344.780348
17	222.288198	76.138591	176.447939	.090000	1903.846532	1448.939804	.092050	1894.636027	1419.761299
18	230.864458	79.285993	179.876008	.096000	1982.857620	1472.830505	.097735	1972.059252	1482.032793
19	237.768540	82.470377	184.399129	.102000	2064.071081	1558.373015	.104147	2055.265164	1549.629077
20	247.984389	85.431036	188.414085	.108000	2137.474133	1647.644623	.110212	2130.098544	1610.269033
21	255.718860	88.188133	189.063650	.114000	2201.950869	1668.980226	.116108	2199.408417	1666.437774
22	263.314433	90.901356	191.523008	.120000	2273.113794	1727.374996	.122209	2267.687589	1721.928792
23	270.613044	93.502102	193.710946	.126000	2337.140799	1779.734276	.128299	2332.742728	1771.916605
24	277.486044	95.921593	195.580000	.132000	2398.513457	1829.526649	.134215	2392.969232	1823.980225
25	284.200188	98.286926	197.242309	.138000	2459.756504	1880.027080	.140260	2451.775809	1872.046386
26	290.547771	100.509561	198.623680	.144000	2510.428100	1920.947088	.146147	2506.566731	1916.885720
27	296.576728	102.650980	199.754334	.150000	2560.623232	1950.641208	.151908	2558.016000	1959.033937
28	302.833571	104.801908	200.766041	.156000	2622.215300	2011.793780	.158363	2613.338348	2004.916828
29	308.356054	106.730664	204.429337	.162000	2651.407620	2034.899668	.163974	2659.588596	2043.012541
30	314.330001	108.790361	204.959426	.168000	2702.936419	2077.876231	.170650	2712.545151	2087.664763
31	319.496743	110.537994	202.190703	.174000	2762.974566	2130.069198	.176342	2756.029050	2133.804509
32	324.440019	112.288042	202.020201	.180000	2784.075466	2144.026600	.181942	2797.373093	2138.434327
33	329.801788	114.057621	201.058905	.186000	2851.400437	2209.538337	.188574	2844.558358	2198.686038
34	334.451342	115.642283	200.878270	.192000	2882.411397	2230.718846	.194237	2883.356477	2231.685927
35	339.421305	117.324952	200.021585	.198000	2925.247338	2267.614711	.200796	2926.635804	2269.005277
36	343.818947	118.782850	198.965520	.204000	2969.611553	2296.988172	.206543	2963.127701	2300.504408
37	348.042207	120.221068	197.448493	.210000	2990.711865	2313.483070	.212223	2997.899278	2330.670483
38	352.825984	121.739762	195.895184	.216000	3030.215445	2364.400190	.218620	3037.253345	2365.439096
39	356.635345	123.053345	194.893184	.222000	3080.333148	2404.789472	.224708	3089.817910	2394.234066
40	360.604347	124.362187	194.056481	.228000	3114.060066	2439.017021	.230684	3101.910036	2422.887049
41	364.475375	125.634038	191.950144	.233999	3143.274830	2464.215396	.236665	3132.733382	2450.673928
42	368.222940	126.860234	188.589441	.239999	3177.556767	2495.383231	.242645	3161.875541	2477.205745
43	371.884462	128.053210	184.933346	.245999	3208.372979	2521.501984	.248679	3189.626184	2502.735145
44	379.434850	129.205190	181.996784	.251998	3240.119095	2551.482570	.254697	3215.500218	2526.862793
45	378.862029	130.313045	180.793005	.257998	3272.467666	2580.528687	.260657	3239.358451	2549.390371
46	382.164883	131.375031	177.327444	.263998	3305.733986	2614.906631	.266538	3260.836814	2569.940358
47	385.378448	132.405312	173.544460	.269996	3340.631408	2640.303688	.272414	3280.865029	2589.037189
48	388.517145	133.408722	169.402570	.275996	3377.352802	2684.204353	.278314	3297.817442	2606.488974
49	391.547640	134.377860	164.950773	.281993	3415.082886	2724.185994	.284138	3312.890348	2622.044056
50	394.308754	135.032025	160.579003	.287998	3433.680944	2743.760672	.289418	3324.647142	2634.727270
51	397.103373	135.094309	158.614433	.293999	3426.950796	2759.346490	.294960	3335.261591	2647.527285
52	399.861556	135.007493	150.042120	.299997	3443.772470	2728.761292	.300686	3344.080851	2659.069672
53	402.843580	135.004029	143.879208	.305997	3460.256032	2726.800113	.306492	3351.821846	2670.095320
54	405.742003	135.002239	137.051287	.311998	3493.460711	2743.365182	.312362	3357.820152	2680.624623
55	408.649277	135.001409	129.497347	.317993	3527.294970	2742.136757	.318257	3363.194223	2690.046191
56	411.567571	135.001043	124.641587	.323998	3581.717570	2744.503309	.324198	3367.326939	2699.716738
57	414.487193	135.001231	114.553307	.330002	3579.747478	2708.703747	.330138	3372.680841	2711.639101
58	417.407294	135.001253	100.703382	.335996	3575.292004	2722.140074	.336096	3374.106972	2720.995043
59	419.335044	135.001953	87.994347	.341999	3570.940884	2727.609330	.342067	3378.524740	2735.193387
60	423.262149	135.002250	75.484344	.347994	3562.358752	2734.610043	.348041	3380.841450	2750.092710
61	426.180794	135.003640	54.644325	.353969	3553.781301	2745.955582	.354032	3384.803749	2771.478020
62	429.123175	135.006271	.000000	.359994	3552.087131	2787.957885	.360035	3391.329108	2827.199662

A1 = .0300 B = .0600 RO = 1000.0000 VM1 = 3.5000 CV = .84000E-06

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1	.000000	.000000	.000000	-.006000	-212.119195	-212.119195	-.005870	142.608639	142.608639
2	27.371790	.266769	.000000	-.000000	-350.238064	-177.876622	.000824	253.614151	225.975593
3	52.725790	10.355292	74.705171	.006000	-59.018021	-196.804234	.006756	386.755672	248.969419
4	78.572784	19.970468	104.365577	.012000	416.991478	214.082895	.013440	567.497097	364.588314
5	101.157767	28.631019	124.488007	.018000	646.380760	197.603967	.019361	743.270448	489.293654
6	123.538553	37.227518	141.781947	.024000	887.529073	584.981090	.025715	937.199775	634.651753
7	143.658201	44.836697	158.746042	.030000	1113.202576	768.961637	.031584	1114.720983	770.480044
8	162.337257	52.140575	167.490391	.036000	1235.428040	853.240717	.037258	1281.648393	899.430131
9	181.673257	59.253752	179.830377	.042000	1487.795989	1067.038604	.043724	1464.465395	1043.708010
10	198.206473	65.780445	189.141025	.048000	1555.135497	1107.007594	.049224	1613.432160	1160.304057
11	215.881128	72.132292	199.255704	.054000	1808.872579	1321.603454	.055813	1783.866179	1296.597054
12	230.960679	77.954834	207.033278	.060000	1890.556493	1174.610942	.061378	1921.169001	1405.220250
13	246.860882	83.701897	215.339960	.066000	2098.970274	1351.058535	.067880	2074.142831	1528.231092
14	260.490256	88.966343	221.787753	.072000	2160.338436	1589.094284	.073391	2197.771364	1626.527071
15	275.096545	94.163409	228.843870	.078000	2355.838062	1757.734218	.079971	2338.557948	1740.454104
16	287.655323	98.891797	234.347226	.084000	2431.307245	1811.084899	.085576	2452.897872	1832.003527
17	300.866192	103.633082	240.165250	.090000	2591.303113	1946.038588	.092050	2578.810147	1934.165623
18	312.464015	107.917046	244.831233	.096000	2671.666500	2006.454206	.097735	2684.191759	2018.979466
19	324.504143	112.251346	249.626592	.102000	2809.348416	2122.966335	.104147	2797.444250	2111.062169
20	335.612571	116.281133	251.730282	.108000	2909.339792	2207.715805	.110212	2899.300796	2193.676809
21	346.069241	120.033848	257.336674	.114000	2997.097993	2273.660070	.116108	2993.639274	2270.199511
22	356.337262	123.726846	260.484095	.120000	3093.960441	2353.212258	.122201	3086.547552	2345.799369
23	366.202957	127.266750	263.662415	.126000	3181.679232	2422.547590	.128299	3175.122046	2417.990203
24	375.493263	130.559946	266.207200	.132000	3264.646710	2492.385902	.134215	3257.097011	2484.836602
25	384.566573	133.779427	268.468608	.138000	3348.001908	2561.187209	.140260	3337.139296	2550.324597
26	393.144508	136.804681	270.348897	.144000	3417.243802	2616.945716	.146147	3411.715829	2611.417743
27	400.291176	139.719389	271.887846	.150000	3470.320537	2657.422126	.151908	3481.744000	2668.845590
28	409.772084	142.647062	273.264890	.156000	3569.126781	2743.442365	.158163	3557.093863	2731.359847
29	417.206049	145.272293	274.467700	.162000	3608.859555	2773.213484	.163974	3619.995589	2783.849518
30	425.277474	148.075497	274.489719	.168000	3699.024287	2833.782138	.170650	3692.075344	2843.833195
31	432.235441	150.454492	275.204092	.174000	3759.789870	2901.875824	.176342	3751.262987	2893.348941
32	438.932741	152.838502	275.244848	.180000	3790.660915	2922.647223	.181942	3807.535598	2940.521907
33	446.173795	155.245096	274.948379	.186000	3881.073089	3004.705820	.188574	3871.759987	2995.392718
34	452.452876	157.401996	274.398510	.192000	3923.282179	3039.028836	.194237	3924.568578	3040.315196
35	459.172086	159.692295	273.417644	.198000	3981.586418	3089.304491	.200796	3983.476511	3091.194484
36	465.101808	161.676657	272.251602	.204000	4041.971283	3142.941216	.206343	4033.146140	3134.116093
37	470.803725	163.634232	270.814179	.210000	4070.691150	3163.439014	.212223	4080.474018	3175.221882
38	476.991001	165.701342	268.749378	.216000	4132.620850	3221.184269	.218920	4134.039275	3222.596694
39	482.404088	167.489275	266.635111	.222000	4192.730747	3276.201893	.224708	4178.363266	3261.834812
40	487.761389	169.270754	264.132472	.228000	4238.554252	3317.389877	.230664	4222.094212	3300.879638
41	492.985952	171.001885	261.265470	.233999	4281.068546	3359.815239	.236665	4263.998214	3338.744907
42	498.084370	172.670876	258.052547	.239999	4324.099288	3395.832243	.242645	4303.663958	3374.896813
43	502.948023	174.294647	254.439082	.245999	4366.952111	3435.255579	.248679	4341.435679	3409.719108
44	507.775446	175.863436	250.440060	.251999	4410.163227	3476.084276	.254697	4376.653075	3442.514023
45	512.399470	177.370534	246.079318	.257998	4454.231710	3518.382138	.260657	4409.126780	3473.277209
46	516.855695	178.816014	241.362351	.263998	4499.525703	3562.491643	.266538	4438.361218	3501.327158
47	521.190920	180.218341	236.212884	.269996	4546.970800	3606.348654	.272414	4464.941280	3527.319443
48	525.424843	181.584094	230.575722	.275996	4597.197424	3649.612755	.278314	4488.695683	3551.111293
49	529.512443	182.903198	224.516330	.281993	4648.279223	3711.347232	.284138	4509.211863	3572.279872
50	533.236420	183.793590	218.565988	.287999	4673.620740	3738.024742	.289418	4525.214166	3589.618168
51	537.008090	183.769749	211.808520	.293997	4664.460805	3731.874446	.294960	4539.664610	3607.015298
52	540.860096	183.760199	204.224000	.299997	4646.523440	3717.679335	.300686	4551.665603	3622.821298
53	544.746561	183.753485	199.835589	.305997	4631.216214	3706.879179	.306492	4562.201957	3637.864322
54	548.653972	183.753047	188.542030	.311998	4618.468746	3689.517737	.312362	4570.366317	3651.415399
55	552.576846	183.751918	178.260277	.317993	4610.470937	3697.881896	.318237	4577.681026	3665.091985
56	556.512423	183.751419	164.751049	.323998	4602.893278	3697.878187	.324198	4583.306112	3678.291021
57	560.450190	183.751676	151.836446	.330002	4600.211844	3704.173533	.330138	4590.593354	3694.535043
58	564.388403	183.751705	137.068492	.335996	4594.147450	3708.938850	.336096	4592.534489	3707.325889
59	568.336943	183.752658	119.770097	.341999	4588.225092	3716.365404	.342067	4598.547583	3726.687875
60	572.284547	183.753063	98.639247	.347994	4576.543858	3721.847001	.348041	4601.700821	3747.003964
61	576.220789	183.753455	70.289581	.353969	4567.591216	3737.325891	.354032	4607.093978	3776.828653
62	580.189104	183.753853	.000000	.359994	4562.563411	3798.615672	.360035	4615.075774	3852.028091

A1 = .0300 B = .0600 RO = 1000.0000 VM1 = 3.5000 CV = .84000E-06

N	DPF	DPD	DPD	XC	PCT	PCR	XD	PDT	PDR
1	.000000	.000000	.000000	-.006000	-212.119195	-212.119195	-.005870	142.608639	142.608639
2	27.371790	.266769	.000000	-.000000	-350.738064	-377.876622	.000824	253.614151	225.975593
3	52.725790	10.355292	74.705131	-.006000	-59.018021	-196.804234	.006756	386.755632	248.969419
4	78.572784	19.970468	104.365532	-.012000	416.091478	214.082895	.013440	567.497097	364.588314
5	101.157767	28.631019	124.488007	-.018000	646.380760	392.403967	.019364	743.270428	489.293654
6	123.538523	37.227518	144.781942	-.024000	887.529073	582.981090	.025715	937.199735	634.651753
7	143.658201	44.836697	159.746042	-.030000	1113.202576	768.961637	.031584	1114.720983	770.480044
8	162.357257	52.140575	167.690394	-.036000	1235.428960	853.240717	.037258	1281.648393	899.430131
9	181.673257	59.253752	179.830377	-.042000	1487.795989	1067.038604	.043724	1464.465395	1043.708010
10	198.206633	65.780465	189.141025	-.048000	1555.135497	1102.007594	.049224	1643.432160	1160.304057
11	215.881128	72.132292	199.255704	-.054000	1808.872579	1321.603654	.055813	1783.866179	1296.597054
12	230.960679	77.954834	207.033218	-.060000	1890.559493	1374.610942	.061378	1921.169001	1405.220250
13	246.869882	83.701897	215.339940	-.066000	2098.970274	1553.058535	.067880	2074.142831	1528.231092
14	260.490256	88.966343	221.787753	-.072000	2160.338436	1589.094284	.073391	2197.771364	1626.527011
15	275.096543	94.163409	228.843870	-.078000	2355.838062	1757.734218	.079971	2338.557928	1740.454104
16	287.655223	98.891797	234.347226	-.084000	2431.979245	1811.084899	.085576	2452.897872	1832.003527
17	300.866192	103.633082	240.165250	-.090000	2591.303113	1944.638588	.092050	2578.810147	1934.145623
18	312.464015	107.917046	244.834233	-.096000	2671.686500	2006.454206	.097735	2684.191759	2018.979466
19	324.504143	112.251346	249.626592	-.102000	2809.348416	2122.966335	.104147	2797.444250	2111.062169
20	335.612571	116.281133	253.730282	-.108000	2909.339792	2203.715805	.110212	2899.300798	2193.676809
21	346.069241	120.033848	257.336634	-.114000	2997.099793	2273.660070	.116108	2993.639274	2270.199511
22	356.337242	123.726846	260.686094	-.120000	3093.960441	2353.212258	.122201	3086.547352	2345.799369
23	366.202957	127.266750	263.662185	-.126000	3181.679432	2422.547590	.128299	3175.122046	2417.990203
24	375.493243	130.559946	266.207000	-.132000	3264.646710	2492.385902	.134215	3257.097011	2484.836602
25	384.566573	133.779427	268.468608	-.138000	3348.001908	2561.187209	.140260	3337.139296	2550.324577
26	393.144508	136.804681	270.348807	-.144000	3417.243827	2616.945716	.146147	3411.715829	2611.417743
27	401.291476	139.719389	271.887846	-.150000	3479.320537	2657.422126	.151908	3481.744000	2668.845590
28	409.772084	142.647062	273.126890	-.156000	3560.812681	2743.442363	.158363	3557.063863	2731.359847
29	417.209089	145.272293	274.167700	-.162000	3608.859533	2772.213484	.163374	3619.995589	2783.349518
30	425.277434	148.075497	274.889219	-.168000	3679.024287	2830.723138	.170650	3692.073344	2843.833195
31	432.555441	150.454492	275.204012	-.174000	3759.989870	2901.875824	.176342	3751.262987	2893.348941
32	438.932341	152.836502	275.242828	-.180000	3790.660915	2923.647223	.181942	3807.535508	2940.521907
33	446.173705	155.245096	274.948379	-.186000	3881.073089	3004.705820	.188574	3871.799987	2995.392718
34	452.452836	157.401996	274.398510	-.192000	3923.282179	3039.028836	.194237	3924.568578	3060.315196
35	459.172086	159.692295	273.617444	-.198000	3981.586418	3089.304491	.200796	3983.676511	3091.194484
36	465.101808	161.676657	272.251602	-.204000	4041.971283	3142.941216	.206543	4033.146160	3134.116093
37	470.803725	163.634232	270.814170	-.210000	4070.691150	3165.439014	.212223	4080.474018	3175.221862
38	476.991901	165.701342	268.749378	-.216000	4132.626850	3221.186269	.218920	4134.039275	3222.596646
39	482.404068	167.489275	266.633111	-.222000	4192.730747	3278.201893	.224708	4178.363266	3261.834812
40	487.761389	169.270754	264.132432	-.228000	4238.554452	3317.389877	.230664	4222.044212	3300.879638
41	492.983952	171.001883	261.265470	-.233999	4281.068546	3355.815239	.236665	4263.998214	3338.744907
42	498.043703	172.670876	258.032547	-.239999	4324.399288	3395.832343	.242645	4303.663968	3374.896813
43	502.984802	174.294647	254.437082	-.245999	4366.952111	3435.235579	.248679	4341.435649	3409.719108
44	507.775466	175.863436	250.460060	-.251999	4410.163327	3478.084276	.254697	4376.653075	3442.574023
45	512.399670	177.370534	246.079348	-.257998	4454.231710	3518.382138	.260657	4409.126780	3473.277209
46	516.855695	178.816014	241.362351	-.263998	4499.525703	3562.491643	.266538	4438.361218	3501.327158
47	521.190920	180.218341	236.212884	-.269996	4546.970800	3609.348654	.272414	4464.941280	3527.319143
48	525.424843	181.584094	230.575742	-.275996	4597.197224	3659.612755	.278314	4488.695943	3551.111293
49	529.512443	182.903198	224.516340	-.281993	4648.279223	3711.347232	.284138	4509.211843	3572.279872
50	533.236420	184.179359	218.565988	-.287998	4673.620740	3738.026742	.289418	4525.214146	3589.618168
51	537.008090	184.769740	211.808520	-.293999	4664.460805	3731.874446	.294960	4539.661610	3607.075250
52	540.860096	185.760199	204.224000	-.299997	4666.523440	3717.679335	.300686	4551.665603	3622.821298
53	544.748961	185.753485	198.835899	-.305997	4631.216814	3706.879179	.306492	4562.201997	3637.864322
54	548.655932	185.753047	188.542030	-.311998	4618.468746	3689.517737	.312362	4570.366317	3651.415309
55	552.576846	185.751918	178.260277	-.317993	4610.470937	3697.881896	.318257	4577.681026	3663.091985
56	556.512423	185.751419	164.751049	-.323998	4602.893278	3697.878187	.324198	4583.306412	3678.291021
57	560.450190	185.751676	151.836446	-.330002	4600.211844	3704.173533	.330138	4590.593354	3694.555043
58	564.388203	185.751705	137.068492	-.335996	4594.147450	3708.938850	.336096	4592.534489	3707.325889
59	568.336933	185.752658	119.770097	-.341999	4588.225092	3716.365404	.342067	4598.547563	3726.687875
60	572.284527	185.753063	98.659247	-.347994	4576.543858	3721.847001	.348041	4601.700821	3747.003964
61	576.220789	185.754955	70.289581	-.353969	4567.591216	3737.325891	.354032	4607.093978	3776.828653
62	580.189104	185.758535	.000000	-.359994	4562.563711	3798.615672	.360035	4615.075741	3852.028091

A1 = .0300 B = .0600 RO = 1000.0000 VM1 = 3.5000 CV = .84000E-06

N	D P F	D P D	D P D	X C	D C T	P C R	X D	P D T	P D R
1	.000000	.000000	.000000	-.006000	-212.119195	-212.119195	-.005870	142.608639	142.608639
2	27.371790	.266769	.000000	-.000000	-350.238064	-177.876622	.000824	253.614151	225.975593
3	52.725790	10.355292	74.705134	.006000	-59.018021	-196.804234	.006756	386.755632	248.969419
4	78.572784	19.970468	104.365532	.012000	416.991478	214.082895	.013440	567.497097	364.588314
5	101.157767	28.631019	124.188007	.018000	646.380760	392.403967	.019361	743.270448	489.293654
6	123.538523	37.227518	141.781942	.024000	887.529073	582.981090	.025715	937.199733	634.651753
7	143.658201	44.836697	155.746042	.030000	1113.202576	768.961637	.031584	1114.720983	770.480044
8	162.357257	52.140575	167.690391	.036000	1235.428940	853.240717	.037258	1281.618393	899.430131
9	181.673257	59.253752	179.830377	.042000	1487.795989	1067.038604	.043724	1464.465395	1043.708010
10	198.206433	65.780445	189.141025	.048000	1555.135497	1102.007594	.049224	1613.432160	1160.304057
11	215.881128	72.132292	199.255704	.054000	1808.872579	1321.603654	.055813	1783.866179	1296.597054
12	230.960679	77.954834	207.033238	.060000	1890.559493	1374.610942	.061378	1921.169001	1405.220250
13	246.869882	83.701897	215.339960	.066000	2098.970274	1553.058535	.067880	2074.442831	1528.231092
14	260.490256	88.966343	224.787753	.072000	2160.338436	1589.094284	.073391	2197.771364	1626.527011
15	275.096565	94.163409	228.843870	.078000	2335.838062	1757.734218	.079971	2338.557948	1740.454104
16	287.655323	98.891797	234.347226	.084000	2431.979245	1811.084899	.085576	2452.897872	1832.003527
17	300.866192	103.633082	240.165250	.090000	2591.303413	1944.638588	.092050	2578.810147	1934.143623
18	312.466015	107.917046	244.831233	.096000	2671.666500	2006.454206	.097735	2684.191759	2018.979466
19	324.504143	112.251346	249.426592	.102000	2809.348410	2122.966335	.104147	2797.444250	2111.062169
20	335.612571	116.281133	253.730282	.108000	2909.339792	2203.715805	.110212	2899.300796	2193.676809
21	346.069241	120.033848	257.336634	.114000	2997.099793	2273.660070	.116108	2993.639234	2270.199511
22	356.337242	123.726846	260.684095	.120000	3093.960441	2353.212258	.122201	3086.547352	2343.799369
23	366.202957	127.266750	263.662135	.126000	3181.679432	2424.547590	.128299	3175.122046	2417.990203
24	375.493243	130.559426	266.207200	.132000	3264.646710	2492.385902	.134215	3257.097011	2484.836602
25	384.566573	133.779427	268.468608	.138000	3348.001908	2561.187209	.140260	3337.039206	2550.324597
26	393.144508	136.804684	270.488807	.144000	3417.243802	2616.945716	.146147	3411.715829	2611.417743
27	401.291476	139.719389	272.487846	.150000	3470.320537	2657.422126	.151908	3481.744000	2668.845590
28	409.772084	142.647042	274.264890	.156000	3569.126381	2743.442365	.158363	3557.043843	2731.359847
29	417.206089	145.272293	274.167708	.162000	3608.859555	2772.213484	.163974	3619.995589	2783.349538
30	425.277434	148.075497	274.889210	.168000	3679.024287	2830.782138	.170650	3662.075344	2843.833195
31	432.255441	150.454492	275.204012	.174000	3759.789870	2901.875824	.176342	3751.262987	2893.348941
32	438.932341	152.836502	275.244848	.180000	3790.660915	2923.647223	.181942	3807.535598	2940.521907
33	446.173795	155.245096	274.948379	.186000	3881.073089	3004.705820	.188574	3871.759987	2995.392718
34	452.452836	157.401996	274.398510	.192000	3923.282179	3039.028836	.194237	3924.568538	3040.315196
35	459.172086	159.692295	273.417626	.198000	3981.586918	3089.306491	.200796	3983.476511	3091.194484
36	465.101808	161.676657	272.254602	.204000	4041.971283	3142.941216	.206343	4033.146160	3134.116093
37	470.803725	163.634232	270.814179	.210000	4070.691150	3165.439014	.212223	4080.474018	3175.221882
38	476.991901	165.701342	268.749338	.216000	4132.626850	3221.184269	.218920	4134.039275	3222.596644
39	482.404088	167.489275	266.635111	.222000	4192.730347	3274.201893	.224708	4178.363266	3261.834812
40	487.761389	169.270754	264.132432	.228000	4238.554452	3317.389877	.230684	4222.044212	3300.879638
41	492.983982	171.009885	261.265470	.233999	4281.068546	3355.815239	.236665	4263.998214	3338.744907
42	498.043703	172.670876	258.052547	.239999	4324.599288	3395.832343	.242645	4303.663958	3374.896813
43	502.984802	174.294647	254.437082	.245999	4366.952111	3435.235579	.248679	4341.435679	3409.719108
44	507.775426	175.863436	250.440069	.251999	4410.163327	3476.084276	.254697	4376.653075	3442.574023
45	512.399470	177.370534	244.079348	.257998	4454.231710	3518.382138	.260657	4409.126780	3473.277209
46	516.853695	178.816014	241.362351	.263996	4499.525703	3562.491643	.266538	4438.361218	3501.327158
47	521.190920	180.218341	234.212884	.269996	4546.970800	3606.348654	.272414	4464.941280	3527.319143
48	525.424823	181.584094	230.575732	.275996	4597.197224	3649.642755	.278314	4488.695963	3551.111293
49	529.512463	182.903198	224.516330	.281993	4648.279223	3711.347232	.284138	4509.211863	3572.279872
50	533.236420	183.793590	218.565988	.287998	4673.620740	3738.024742	.289418	4525.214166	3589.618168
51	537.008090	183.769740	214.808520	.293999	4664.460803	3731.874446	.294960	4539.861610	3607.075250
52	540.860096	183.760199	204.224009	.299997	4666.523440	3717.679335	.300686	4551.665603	3622.821298
53	544.746561	183.753485	195.835589	.305997	4631.216814	3706.879179	.306492	4562.201957	3637.864322
54	548.655932	183.753047	184.542030	.311998	4618.468746	3699.517737	.312362	4570.386317	3651.415309
55	552.576846	183.751918	174.260277	.317993	4610.470037	3697.881896	.318257	4577.681026	3665.091985
56	556.512423	183.751419	164.751049	.323998	4602.893278	3697.878187	.324198	4583.306112	3678.291021
57	560.450190	183.751676	154.836446	.330002	4600.211844	3704.173533	.330138	4590.593394	3694.555043
58	564.388203	183.751705	137.978402	.335996	4594.147450	3708.938850	.336096	4592.534689	3707.325889
59	568.336933	183.752658	119.770097	.341999	4588.225092	3716.364404	.342067	4598.547563	3726.687875
60	572.284567	183.753063	98.459247	.347994	4576.543858	3721.847001	.348041	4601.700821	3747.003964
61	576.220789	183.754955	70.289581	.353969	4567.591216	3737.325891	.354032	4607.043978	3776.828633
62	580.189104	183.758535	.000000	.359991	4562.563411	3798.615672	.360035	4615.875731	3852.028091

•STOP•

0183 DIFUZOR AN = 0000 PH = 0003 P106 = 28/06/78
H.DEB = 22H 53M 25S H.FIN = 22H 53M 40S TIME = 00001167
LCP = 00040 MEM = 00017 LO = IN = 00001 OUT = 00000
X1/XG- IF: *G- HF. G- 1

EOJ

SEMIDIFUZOR PLAN CU DESPRINDERE

ALFA = 30° H = 0.5

ZONA MISCĂRII POTENTIALE

INSTITUTUL POLITEHNIC
TIMISOARA
BIBLIOTECA SPECIALA


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***** FIN DE COMPILATION (PLUS HAUT NIVEAU D'ERREUR RENCONTRE = 0)          21.41.21
      SEG RAD1
      COMPILE FORTRAN,DBL
FORTRAN 00.00                                DIFUZOR  28/06/78  21.41.22          0

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1  * SEGMENT XY,XPYP,XOAG
2  SUBROUTINE RAD01(P1,I1,H)
3  DIMENSION X(11,62),Y(11,62)
4  DIMENSION XP(302),YP(302)
5  DIMENSION XO(400),A(400),G(400)
6  COMMON /XY/X,Y
7  COMMON /XPYP/XP,YP
8  COMMON /XOAG/XO,A,G
9  CALL CALC1(P1,J1,J2,H)
10 CALL CALC2(P1,J1,J2,H,K1,I1)
11 CALL CALC4(P1,K1,I1,J2,H)
12 RETURN
13 END

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FORTRAN 00.00                                DIFUZOR  28/06/78  21.41.22          1

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MODULE	TYPE	C	LONGUEUR	
MODULE XOAG	TYPE C		2580	(09600)
MODULE XPYP	TYPE C		1220	(04832)
MODULE XY	TYPE C		2880	(10912)
MODULE RAD01	TYPE P		0140	(00320)

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***** FIN DE COMPILATION (PLUS HAUT NIVEAU D'ERREUR RENCONTRE = 0)          21.41.27
      SEG RAD2
      COMPILE FORTRAN,DBL
FORTRAN 00.00                                DIFUZOR  28/06/78  21.41.28          0

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1  * SEGMENT XY,VXVY+VABS
2  SUBROUTINE RAD02(I1,H)
3  DIMENSION X(11,62),Y(11,62)
4  DIMENSION VX(10,62),VY(10,62)
5  DIMENSION V(10,62)
6  COMMON /XY/X,Y
7  COMMON /VXVY/VX,VY

```

FORTRAN 00.00

8
9
10
11
12
13

```

COMMON /VARS/ V
CALL CALC5(I1,H)
CALL CALC6(I1)
CALL CALC7(I1,H)
RETURN
END

```

DIFUZOR 28/06/78 21.41.28

1

MODULE	VARS	TYPE	C	LONGUEUR	1360 (04960)
MODULE	VXVY	TYPE	C	LONGUEUR	2600 (09920)
MODULE	XY	TYPE	C	LONGUEUR	2000 (10910)
MODULE	RAD02	TYPE	P	LONGUEUR	0000 (00210)

```

***** FIN DE COMPILATION (PLUS HAUT NIVEAU D'ERREUR RENCONTRE = 0) 21.41.33

```

```

SEG S4
COMPILE FORTRAN,DBL
FORTRAN 00.00

```

DIFUZOR 28/06/78 21.41.34

0

```

1  * SEGMENT XPYP
2  * DEFINE FILE *3=106
3  SUBROUTINE CALC1(PI,J1,J2,H)
4  DIMENSION XP(302),YD(302)
5  COMMON /XPYP/XP,YD
6  FORMAT('1'.5X:'H=',F10.8/' ',5X,16(' '*'))
7  FORMAT(6X:'X(',I2:')=',F17.14/6X:'YD(',I2:')=',F16.14)
8  H=0.5
9  WRITE(108,6) H
10 D1=12.0*(1.0-H)
11 D=D1
12 J1=INT(40*D1)+62
13 XP(1)=0.0
14 YD(1)=0.0
15 Q1=2.1
16 Q2=1.4
17 DX=0.005
18 DO 8 N=2,J1
19 XP(N)=-1.5+FLOAT(N-2)/40.0
20 IF(XP(N).LE.0.0) GO TO 9
21 IF(D.LE.XP(N)) GO TO 10
22 DY=0.0
23 IF(N.NE.63) GO TO 11
24 X=0.0
25 E=0.0
26 12 X=X+DX
27 E=E+X**Q1*(D-X)**Q2*DX
28 IF(X.LT.(D-DY)) GO TO 12
29 11 K=1
30 13 X=XP(N-1)+K*DX

```

8
 9
 10
 11
 12
 13
 FORTRAN 00.00

```

COMMON /VARS/V
CALL CALC5(I1,H)
CALL CALC6(I1)
CALL CALC7(I1,H)
RETURN
END
  
```

DIFUZOR 28/06/78 21.41.28

1

MODULE	VARS	TYPE	C	LONGUEUR	
MODULE	VABS	TYPE	C	LONGUEUR	1360 (04960)
MODULE	VXVY	TYPE	C	LONGUEUR	2608 (09928)
MODULE	XY	TYPE	C	LONGUEUR	2568 (10912)
MODULE	RAD02	TYPE	P	LONGUEUR	808 (00216)

**** FIN DE COMPILATION (PLUS HAUT NIVEAU D'ERREUR RENCONTRE = 0) 21.41.33

SEG 51
 COMPILE FORTRAN,DBL
 FORTRAN 00.00

DIFUZOR 28/06/78 21.41.34

0

```

1 * SEGMENT XPYP
2 * DEFINE FILE *3=106
3 SUBROUTINE CALC1(PI,J1,J2,H)
4 DIMENSION XP(302),YP(302)
5 COMMON /XPYP/XP,YP
6 FORMAT('1',57X,'H=',F10.8/' ',55X,16(' '))
7 FORMAT(6X,'X(',I2,')=',F17.14/6X,'Y(',I2,')=',F16.14)
8 H=0.5
9 WRITE(108,6) H
10 D1=12.0*(1.0-H)
11 D=0.1
12 J1=INT(40*D1)+62
13 XP(1)=0.0
14 YP(1)=0.0
15 Q1=2.1
16 Q2=1.4
17 DX=0.005
18 DO 8 N=2,J1
19 XP(N)=-1.5+FLOAT(N-2)/40.0
20 IF(XP(N).LE.0.0) GO TO 9
21 IF(D.LE.XP(N)) GO TO 10
22 DY=0.0
23 IF(N.E.63) GO TO 11
24 X=0.0
25 E=0.0
26 12 X=X+DX
27 E=E+X+Q1*(D-X)+Q2*DX
28 IF(X.LT.(D-DY)) GO TO 12
29 11 K=1
30 X=XP(N-1)+K*DX
  
```

FORTRAN 00.00

8
9
10
11
12
13

```
COMMON /VANSIV  
CALL CALC5(I1,H)  
CALL CALC6(I1)  
CALL CALC7(I1,H)  
RETURN  
END
```

DIFUZOR 28/06/78 21.41.28

1

MODULE	VANS	TYPE	C	LONGUEUR	1360 (04960)
MODULE	VXVY	TYPE	C	LONGUEUR	2608 (09928)
MODULE	XY	TYPE	E	LONGUEUR	2288 (10912)
MODULE	RAD02	TYPE	P	LONGUEUR	8008 (08216)

***** FIN DE COMPILATION (PLUS HAUT NIVEAU D'ERREUR RENCONTRE = 0) 21.41.33

SEG 5*

COMPILE FORTRAN.DBL

FORTRAN 00.00

DIFUZOR 28/06/78 21.41.34

0

```
1 * SEGMENT XPYP  
2 * DEFINE FILE *3=106  
3 SUBROUTINE CALC1(PI,J1,J2,H)  
4 DIMENSION XP(302),YP(302)  
5 COMMON /XPYP/XP,YP  
6 FORMAT('1'.57X,'H='.F10.8/' '.55X,16('*.'))  
7 FORMAT(6X,'X0(''.12''.)=''.F17.14/6X,'Y0(''.12''.)=''.F16.14)  
8  
9 H=0.5  
10 WRITE(108,6) H  
11 D1=12.0*(1.0-H)  
12 D=D1  
13 J1=INT(40*D1)+62  
14 XP(1)=0.0  
15 YP(1)=0.0  
16 Q1=2.1  
17 Q2=1.4  
18 DX=0.005  
19 DO 8 N=2,J1  
20 XP(N)=-1.5+FLOAT(N-2)/40.0  
21 IF(XP(N).LE.0.0) GO TO 9  
22 IF(D.LE.XP(N)) GO TO 10  
23 DY=0.0  
24 IF(N.NE.63) GO TO 11  
25 X=0.0  
26 E=0.0  
27 12 X=X+DX  
28 E=E+X**Q1*(D-X)**Q2*DX  
29 IF(X.LT.(D-DY)) GO TO 12  
30 11 K=1  
31 X=XP(N-1)+K*DX
```



```

31      DY=DY+X**Q4*(D-X)**Q2*DX
32      IF(K.GT.4) GO TO 14
33      K=K+1
34      GO TO 13
35  14  DY=DY*(1-H)/E
36      YP(N)=YP(N-1)+DY
37      J2=JN
38      GO TO 8
39      YR(N)=1.0-H
40      GO TO 8
41  10  YP(N)=0.0
42      R=CONTINUE
43      DO 15 K=1,21
44      IF(K.EQ.1) GO TO 20
45      IF(K.EQ.2) GO TO 22
46      IF(K.EQ.21) GO TO 24
47      N=8*K+62

```

FORTRAN 00.00

DIFUZOR 28/06/78 21.41.34

1

```

48      X=XP(N)
49      Y=YP(N)
50      GO TO 15
51  20  X=XP(62)
52      Y=YP(62)
53      GO TO 15
54  22  X=XP(78)
55      Y=YP(78)
56      GO TO 15
57  24  X=XP(262)
58      Y=YP(262)
59  15  WRITE(106,7) K,X,K,Y
60      DD 16 N=2,11
61      B=XP(N)
62      XP(N)=DEXP(PI*B)*COS(PI*YP(N))
63      YP(N)=DEXP(PI*B)*SIN(PI*YP(N))
64  16  CONTINUE
65      RETURN
66      END

```

FORTRAN 00.00

DIFUZOR 28/06/78 21.41.34

2

MODULE	XPYP	TYPE	C	LONGUEUR	12E0 (04832)
MODULE	CALC1	TYPE	PC	LONGUEUR	056A (01384)

```

**** FIN DE COMPILATION (PLUS HAUT NIVEAU D'ERREUR RENCONTRE = 0) 21.41.44
: REG 8
: COMPILE FORTRAN.DBL
FORTRAN 00.00
DIFUZOR 28/06/78 21.41.45

```

0

```

1  * SEGMENT XPYP,XOAG
2  SUBROUTINE CALCZ(PI,J1,J2,H,K1,I1)
3  DIMENSION XP(302),YP(302)
4  DIMENSION XO(400),A(400),G(400)
5  COMMON /XPYP/XP,YP
6  COMMON /XOAG/XO,A,G
7  FORMAT('1',51X,'TARELUL XO(K1) , A(K1) , G(K1)'/'.49X,34('+'')/'0
8  '1',108X,'PAR: ',I3)
9
10 12 FORMAT(' ',17X,98('+''))
11 14 FORMAT(' ',17X,'1 Y0('',I3,'')=',E22.15,' | A('',I3,'')=',E22.15,' | G
12 10('',I3,'')=',E22.15,' | ')
13  K1=1
14  B=PI*(1.0-H)
15  XO(K1)=1.0*SIN(B)
16  YO=1.0+COS(B)
17  R=1.0
18  A(K1)=XO(K1)
19  G(K1)=PI/(PI-B)
20  M=1
21  INDEX=1
22  CALL TRANS(A(K1),G(K1),XO(K1),INDEX,M,J1)
23  K1=2
24  R=100.0
25  XO(K1)=R*SIN(B)
26  YO=R*COS(B)
27  A(K1)=XO(K1)
28  G(K1)=PI/(PI-B)
29  INDEX=6
30  CALL TRANS(A(K1),G(K1),XO(K1),INDEX,M,J1)
31 18 IF(((YP(M+1)-YP(M))/YP(M+1)-XP(M))/XP(M+1))((YP(M+2)-YP(M+1))/XP(M+2)
32  1)-XP(M+1))) GO TO 19
33  IF(YP(M+2)EQ.0.0) GO TO 21
34  K1=K1+1
35  XA=XP(M)
36  YA=0.0
37  XB=XP(M+1)
38  YB=YP(M+1)
39  XC=XP(M+2)
40  YC=YP(M+2)
41  CALL CERC(PI,XA,YA,XB,YB,XC,YC,XO(K1),YO,A(K1),R,B,G(K1),W)
42  IF(YO.LT.0.0) GO TO 51
43  XO(K1)=(XP(M+2)+XP(M))/2.0
44  YO=0.0
45  R=(XP(M+2)-XP(M))/2.0
46  A(K1)=R
47  B=PI/2.0
48  G(K1)=2.0

```

FORTRAN 00.00

DIFUZOR 28/06/78 21.41.45

1

```

48  INDEX=1
49  CALL TRANS(A(K1),G(K1),XO(K1),INDEX,M,J1)
50  GO TO 18
51  IF(W.EQ.0.0) GO TO 41
52  INDEX=7
53  CALL TRANS(A(K1),G(K1),XO(K1),INDEX,M,J1)
54  M=M+1
55  IF(YP(J2)) 18,19,18
56 41 IF(XP(J1).LE.(YO(K1)+A(K1))) GO TO 70
57  J3=M+2
58 20 J3=J3+1
59  IF(XP(J3).LE.(XO(K1)+A(K1))) GO TO 17
60  INDEX=2
61  CALL TRANS(A(K1),G(K1),XO(K1),INDEX,M,J1)
62  M=M+2
63  IF(YP(J2)) 18,19,18
64 17 IF((YP(J3)-YO-SQRT(R+R-(XP(J3)-XO(K1))+2)).GT.0.0) GO TO 20
65
66  K1=K1-1

```

```

66 15 HT=SQRT((XP(M+3)-XP(M+2))*(XP(M+2)-XP(M+1)))
67 IF(YP(M+2).LE.HT) GO TO 22
68 K1=K1+1
69 XO(K1)=(XP(M+3)+XP(M+1))/2.0
70 YO=0.0
71 R=(XP(M+3)-XP(M+1))/2.0
72 A(K1)=R
73 B=PI/2.0
74 G(K1)=2.0
75 INDEX=6
76 CALL TRANS(A(K1),G(K1),XO(K1),INDEX,M,J1)
77 GO TO 18
78 22 K1=K1+1
79 XA=XP(M+1)
80 YA=0.0
81 XB=XP(M+2)
82 YB=YP(M+2)
83 XC=XP(M+3)
84 YC=0.0
85 CALL CERC(PI,XA,YA,XB,YB,XC,YC,XO(K1),YO,A(K1),R,B,G(K1),W)
86 INDEX=5
87 CALL TRANS(A(K1),G(K1),XO(K1),INDEX,M,J1)
88 GO TO 18
89 21 HT=SQRT((XP(M+2)-XP(M+1))*(XP(M+1)-XP(M)))
90 IF(YP(M+1).LE.HT) GO TO 23
91 K1=K1+1
92 XO(K1)=(XP(M+2)+XP(M))/2.0
93 YO=0.0
94 R=(XP(M+2)-XP(M))/2.0

```

FORTRAN 00.00

DIFUZOR 28/06/78 21.41.45

2

```

95 A(K1)=R
96 B=PI/2.0
97 G(K1)=2.0
98 INDEX=4
99 CALL TRANS(A(K1),G(K1),XO(K1),INDEX,M,J1)
100 GO TO 21
101 23 K1=K1+1
102 XA=XP(M)
103 YA=0.0
104 XB=XP(M+1)
105 YB=YP(M+1)
106 XC=XP(M+2)
107 YC=0.0
108 CALL CERC(PI,XA,YA,XB,YB,XC,YC,XO(K1),YO,A(K1),R,B,G(K1),W)
109 IF(W.EQ.0.0) GO TO 60
110 INDEX=7
111 GO TO 60
112 50 INDEX=3
113 60 CALL TRANS(A(K1),G(K1),XO(K1),INDEX,M,J1)
114 M=M+2
115 IF(YP(J2).NE.0.0) GO TO 18
116 19 I1=(J1-58)/4+1
117 NP=0
118 DO 13 N=1,K1
119 IF(NP.EQ.0) GO TO 44
120 45 PRINT 14,N,X(N),N,A(N),N,G(N)
121 NR=NR+1
122 IF(NR.LT.50) GO TO 13
123 PRINT 12
124 44 NR=0
125 NP=NP+1
126 PRINT 7,NP
127 PRINT 12
128 IF(NP.EQ.1) GO TO 45
129 13 CONTINUE
130 PRINT 12

```

```

66 15 HT=SQRT((XP(M+3)-XP(M+2))*(XP(M+2)-XP(M+1)))
67 IF(YP(M+2).LE.HT) GO TO 22
68 K1=K1+1
69 XO(K1)=(XP(M+3)+XP(M+1))/2.0
70 YO=0.0
71 R=(XP(M+3)-XP(M+1))/2.0
72 A(K1)=R
73 B=PI/2.0
74 G(K1)=2.0
75 INDEX=6
76 CALL TRANS(A(K1),G(K1),XO(K1),INDEX,M,J1)
77 GO TO 18
78 22 K1=K1+1
79 XA=XP(M+1)
80 YA=0.0
81 XB=XP(M+2)
82 YB=YP(M+2)
83 XC=XP(M+3)
84 YC=0.0
85 CALL CERC(PI,XA,YA,XB,YB,XC,YC,XO(K1),YO,A(K1),R,B,G(K1),W)
86 INDEX=5
87 CALL TRANS(A(K1),G(K1),XO(K1),INDEX,M,J1)
88 GO TO 18
89 21 HT=SQRT((XP(M+2)-XP(M+1))*(XP(M+1)-XP(M)))
90 IF(YP(M+1).LE.HT) GO TO 23
91 K1=K1+1
92 XO(K1)=(XP(M+2)+XP(M))/2.0
93 YO=0.0
94 R=(XP(M+2)-XP(M))/2.0

```

FORTRAN 00.00

DIFUZOR 28/06/78 21.41.45

2

```

95 A(K1)=R
96 B=PI/2.0
97 G(K1)=2.0
98 INDEX=4
99 CALL TRANS(A(K1),G(K1),XO(K1),INDEX,M,J1)
100 GO TO 21
101 23 K1=K1+1
102 XA=XP(M)
103 YA=0.0
104 XB=XP(M+1)
105 YB=YP(M+1)
106 XC=XP(M+2)
107 YC=0.0
108 CALL CERC(PI,XA,YA,XB,YB,XC,YC,XO(K1),YO,A(K1),R,B,G(K1),W)
109 IF(W.EQ.0.0) GO TO 60
110 INDEX=7
111 GO TO 60
112 50 INDEX=3
113 60 CALL TRANS(A(K1),G(K1),XO(K1),INDEX,M,J1)
114 M=M+2
115 IF(YP(J2).NE.0.0) GO TO 18
116 19 T1=(J1-58)/4.1
117 NP=0
118 GO 13 NP, K1
119 IF(NP.EQ.0) GO TO 44
120 45 PRINT 14,N,X(N),N,A(N),N,G(N)
121 NR=NR+1
122 IF(NR.LT.50) GO TO 13
123 PRINT 12
124 44 NR=0
125 NP=NP+1
126 PRINT 7,NP
127 PRINT 12
128 IF(NP.EQ.1) GO TO 45
129 13 CONTINUE
130 PRINT 12

```

134
132
FORTRAN 00.00

RETURN
END

DIFUZOR 28/06/78 21.41.45

3

MODULE	NAME	TYPE	C	LONGUEUR	ADDRESS
MODULE	XOAG		C	2580	(09600)
MODULE	XPYP	TYDE	C	1280	(04830)
MODULE	CALC2	TYDE	P	0750	(03920)

**** FIN DE COMPILATION (PLUS HAUT NIVEAU D'ERREUR RENCONTRE = 0) 21.42.05
COMPILE FORTRAN.DBL
FORTRAN 00.00 DIFUZOR 28/06/78 21.42.06

0

```

1  SUBROUTINE CERC(PI, XA, YA, XB, YB, XC, YC, XO, YO, A, R, B, G, W)
2  W=0.0
3  DX=(XC-XB)/100.0
4  1 P1=YA*(XB**2+YB**2-XC**2+YC**2)+YB*(XC**2+YC**2-XA**2-YA**2)+YC*(X
5  1A**2+YA**2-XR**2-YR**2)
6  R1=2.0*(YA*(YB-XC)+YB*(XC-XA)+YC*(XA-XB))
7  S1=XA*(XB**2+YB**2+YC**2-YC**2)+XB*(XC**2+YC**2-XA**2-YA**2)+XC*(X
8  2A**2+YA**2-XR**2-YR**2)
9  T1=2.0*(XA*(YB-YC)+YB*(YC-YA)+XC*(YA-YB))
10 P2=ABS(P1)
11 R2=ABS(R1)
12 S2=ABS(S1)
13 T2=ABS(T1)
14 IF((R2.EQ.0.0).OR.(T2.EQ.0.0)) GO TO 2
15 IF(P2.EQ.0.0) GO TO 3
16 V=ALOG10(P2)-ALOG10(R2)
17 GO TO 4
18 3 V=ALOG10(R2)
19 4 IF(V.GT.30) GO TO 2
20 IF(S2.EQ.0.0) GO TO 5
21 V=ALOG10(S2)-ALOG10(T2)
22 GO TO 4
23 5 V=ALOG10(T2)
24 6 IF(V.GT.30) GO TO 2
25 XO=P1/R1
26 YO=S1/T1
27 GO TO 9
28 2 XC=XC+DX
29 YC=0.0
30 W=1.0
31 GO TO 1
32 7 R=SQRT((XA-XO)**2+(YA-YO)**2)
33 A=SQRT(R**2-YO**2)
34 IF(YO.EQ.0.0) GO TO 8
35 IF(YO.LT.0.0) GO TO 9
36 B=1/2.0+ATAN(YO/A)
37 GO TO 10

```


131
132
FORTRAN 00.00

RETURN
END

DIFUZOR 28/06/78 21.41.45

3

MODULE	NAME	TYPE	C	LONGUEUR	VALUE
MODULE	XOAG	TYPE	C	LONGUEUR	2580 (09600)
MODULE	XPYP	TYPE	C	LONGUEUR	1250 (04830)
MODULE	CALC2	TYPE	P	LONGUEUR	0550 (03920)

***** FIN DE COMPILATION (PLUS HAUT NIVEAU D'ERREUR RENCONTRE = 0) 21.42.05
COMPIE FORTRAN.DEL
FORTRAN 00.00 DIFUZOR 28/06/78 21.42.06

0

```

1      SUBROUTINE CERC(PI, XA, YA, XB, YB, XC, YC, XO, YO, A, R, B, G, W)
2      W=0.0
3      DX=(XC-XB)/100.0
4      P1=YA*(XB**2+YB**2-XC**2-YC**2)+YB*(XC**2+YC**2-XA**2-YA**2)+YC*(X
5      1A**2+YA**2-XR**2-YR**2)
6      R1=2.0*(YA*(YB-XC)+YB*(XC-XA)+YC*(XA-XB))
7      S1=XA*(XB**2+YB**2-YC**2-YC**2)+XB*(YC**2+YC**2-XA**2-YA**2)+XC*(X
8      2A**2+YA**2-XR**2-YR**2)
9      T1=2.0*(XA*(YB-YC)+YB*(YC-YA)+XC*(YA-YB))
10     P2=ABS(P1)
11     R2=ABS(R1)
12     S2=ABS(S1)
13     T2=ABS(T1)
14     IF((R2.EQ.0.0).OR.(T2.EQ.0.0)) GO TO 2
15     IF(P2.EQ.0.0) GO TO 3
16     V=ALOG10(P2)-ALOG10(R2)
17     GO TO 4
18     3 V=ALOG10(R2)
19     4 IF(V.GT.30) GO TO 2
20     IF(S2.EQ.0.0) GO TO 5
21     V=ALOG10(S2)-ALOG10(T2)
22     GO TO 4
23     5 V=ALOG10(T2)
24     4 IF(V.GT.30) GO TO 2
25     XO=P1/R1
26     YO=S1/T1
27     GO TO 7
28     2 XC=XC-DX
29     YC=0.0
30     W=1.0
31     GO TO 1
32     7 R=SQRT((XA-XO)**2+(YA-YO)**2)
33     A=SQRT(R**2-VO**2)
34     IF(YO.EQ.0.0) GO TO 8
35     IF(YO.LT.0.0) GO TO 9
36     B=PI/2.0+ATAN(YO/A)
37     GO TO 10

```

38
39
40
41
42
43
44
FORTRAN 00.00

```

9  B=ATAN(-A/Y0)
10 B=PI/(PI-B)
    GO TO 11
8  B=PI/2.0
    G=2.0
11 RETURN
    END

```

DIFUZOR 28/06/78 21.42.06

1

MODULE	CERC	TYPE	P	LONGUEUR	0568 (01386)
--------	------	------	---	----------	--------------

**** FIN DE COMPILATION (PLUS HAUT NIVEAU D'ERREUR RENCONTRE = 0) 21.42.15
 COMPILER FORTRAN,DBL
 FORTRAN 00.00 DIFUZOR 28/06/78 21.42.15

0

```

1  * SEGMENT XPYP
2  SUBROUTINE TRANS(A,G,X0,I,M,J)
3  DIMENSION XP(302),YP(302)
4  COMMON /XPYP/XP,YP
5  M1=M+1
6  M2=M+2
7  B=3.46159265358979
8  DO 2 N=1,J
9  IF(YP(N).EQ.0.0) GO TO 3
10 RO1=((XP(N)-Y0+A)**2+YP(N)**2)/4.0/A
11 RO=SQRT(1.0-(XP(N)-Y0)/RO1)
12 IF((N.EQ.M1).AND.((I.EQ.2).OR.(I.EQ.3).OR.(I.EQ.7))) GO TO 4
13 IF((N.EQ.M2).AND.((I.EQ.2).OR.(I.EQ.5))) GO TO 4
14 S1=ABS(YP(N))
15 T1=ABS(2.0+RO1-XP(N)+X0-A)
16 IF(T1.EQ.0.0) GO TO 5
17 V=ALOG10(S1)+ALOG10(T1)
18 IF(V.GT.30) GO TO 4
19 T=YP(N)/(2.0+RO1-XP(N)+X0-A)
20 T=ATAN(T)
21 IF(T.LT.0.0) GO TO 8
22 GO TO 9
23 T=PI/2.0
24 GO TO 9
25 T=PI+T
26 S=1.0-RO**G*COS(G+T)
27 T=RO**G*SIN(G+T)
28 G=2.0+A*G/(1+S+T*T)
29 XP(N)=G0+S-A+G
30 YP(N)=G0+T
31 GO TO 2
32 XP(N)=A+G*(1.0-RO**G)/(1.0+RO**G)
33 YP(N)=0.0
34 GO TO 2
35 IF((N.EQ.M).AND.((I.EQ.1).OR.(I.EQ.2).OR.(I.EQ.3).OR.(I.EQ.4).OR.
36 (I.EQ.7))) GO TO 6

```

38
39
40
41
42
43
44
FORTRAN 00.00

```

9  BMATAN(-A/YO)
10 B=PI/(PI-B)
    GO TO 11
8  B=PI/2.0
    G=2.0
11 RETURN
    END

```

DIFUZOR 28/06/78 21.42.06

1

MODULE CERC TYPE P LONGUEUR 0568 (01384)

**** FIN DE COMPILATION (PLUS HAUT NIVEAU D'ERREUR RENCONTRE = 0) 21.42.15
 - COMPILE FORTRAN.DBL
 FORTRAN 00.00 DIFUZOR 28/06/78 21.42.15

0

```

1  * SEGMENT XPYP
2  SUBROUTINE TRANS(A,G,XO,I,M,J)
3  DIMENSION XP(302),YP(302)
4  COMMON /XPYP/XP,YP
5  M1=M+1
6  M2=M+2
7  PI=3.14159265358979
8  DO 2 N=1,J
9  IF(YP(N).EQ.0.0) GO TO 3
10 RO1=((XP(N)-YO+A)**2+YP(N)**2)/4.0/A
11 RO=SQRT(1.0-(XP(N)-YO)/RO1)
12 IF((N.EQ.M1).AND.(I.EQ.2).OR.(I.EQ.3).OR.(I.EQ.7))) GO TO 4
13 IF((N.EQ.M2).AND.(I.EQ.2).OR.(I.EQ.5))) GO TO 4
14 B1=ABS(YP(N))
15 T1=ABS(2.0+RO1-XP(N)+XO-A)
16 IF(T1.EQ.0.0) GO TO 5
17 V=ALOG10(B1)/ALOG10(T1)
18 IF(V.GT.30) GO TO 4
19 TE=YP(N)/(2.0+RO1-XP(N)+XO-A)
20 TEM=ATAN(TE)
21 IF(TE.LT.0.0) GO TO 8
22 GO TO 9
23 TEM=PI/2.0
24 GO TO 9
25 TEM=PI+TE
26 S=1.0-RO**G+GOS(G+TE)
27 T=RO**G+SIN(A+TE)
28 G=2.0+A+G/(1+S+T)
29 XP(N)=G0+S-A+G
30 YP(N)=G0+T
31 GO TO 2
32 4 XP(N)=A+G*(1.0-RO**G)/(1.0+RO**G)
33 YP(N)=0.0
34 GO TO 2
35 3 IF((N.EQ.M).AND.(I.EQ.1).OR.(I.EQ.2).OR.(I.EQ.3).OR.(I.EQ.4).OR.(
36 I.EQ.7))) GO TO 4

```

```

37      IF((N.EQ.N2).AND.((I.EQ.3).OR.(I.EQ.4))) GO TO 7
38      RO=ABS((XP(N)-XO-A)/(YP(N)-YO+A))
39      XP(N)=A+G*(1.0+RO**G)/(1.0-RO**G)
40      YP(N)=0.0
41      GO TO 2
42      6 XP(N)=A+G
43      YP(N)=0.0
44      GO TO 2
45      7 XP(N)=A+G
46      YP(N)=0.0
47      2 CONTINUE

```

FORTRAN 00.00 DIFUZOR 28/06/78 21.42.15 1

```

48      RETURN
49      END

```

FORTRAN 00.00 DIFUZOR 28/06/78 21.42.15 2

```

MODULE  XPYP      TYPE  C      LONGUEUR  12E0 (04832)
MODULE  TRANS     TYPE  P      LONGUEUR  05A0 (01440)

```

```

***** FIN DE COMPILATION (PLUS HAUT NIVEAU D'ERREUR RENCONTRE = 0) 21.42.26
      SEG 92
      COMPILE FORTRAN,DBL
FORTRAN 00.00 DIFUZOR 28/06/78 21.42.27 0

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```

1  * SEGMENT XY,XPYP,XOAG
2  * DEFINE FILE #3=106
3  SUBROUTINE CALC4(PI,K1,I1,J2,H)
4  DIMENSION X(11,62),Y(11,62)
5  DIMENSION YP(302),YP(302)
6  DIMENSION XO(400),A(400),G(400)
7  COMMON /XY/X,Y
8  COMMON /XPYP/XP,YP
9  COMMON /XOAG/XO,A,G
10 16 FORMAT(11,44X,'T A B E L U L X ( K , N ) , Y ( K , N )')
11 17 FORMAT(11,49X,'(=)')
12 18 FORMAT('0',194X,'P A B 1',I2)
13 19 FORMAT(' ',171(' '))
14 20 FORMAT(' I *',11,11X,'(1)')
15 21 FORMAT(' I *',11,11(I5,5X,'(1)')
16 22 FORMAT(' I *',11,11(10X,'(1)')
17 23 FORMAT(' I N *',11,11(10X,'(1)')
18 24 FORMAT(' I',129(' '),1)
19 25 FORMAT(' I X I',11(F9,6,'(1)')
20 26 FORMAT(' I',12,' I',11(10X,'(1)')
21 27 FORMAT(' I Y I',11(F9,6,'(1)')
22 28 FORMAT(' I-----',11('+'10('-')),1)
23 DO 44 N=1,11
24

```

```

24      B=XP(4*N+54)-XP(1)
25      R=XP(1)
26      DO 44 K=1,11
27      X(K,N)=B+COS(PI*(K-1)/10.0)+R
28      IF((K.EQ.1).OR.(K.EQ.11)) GO TO 45
29      Y(K,N)=B+SIN(PI*(K-1)/10.0)
30      GO TO 44
31 45 Y(K,N)=0.0
32 44 CONTINUE
33      DO 48 L=1,K1
34      Y0=X0(K1+1-L)
35      B=A(K1+1-L)
36      R=W(K1+1-L)
37      DO 48 N=1,I1
38      DO 48 K=1,11
39      IF(Y(K,N).EQ.0.0) GO TO 31
40      R01=((X(K,N)-B*R)**2+Y(K,N)**2)/4/B/R
41      R0=SQRT(1.0-Y(K,N)/R01)
42      TE=ATAN(Y(K,N)/(2.0+R01-X(K,N)-B*R))
43      IF(TE.LT.0.0) TE=PI+TE
44 34 S=1-R0**2/(R1+R0**2)
45      T=R0**2/(R1+R0**2)
46      GO=2*B/(S**2+T)
47      X(K,N)=Y0-R*GO+S

```

FORTRAN 00.00

DIFUZOR 28/06/78 21.42.27

1

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48      Y(K,N)=GO*T
49      GO TO 48
50 31 R0=ABS((X(K,N)-B*R)/(X(K,N)+B*R))
51      IF((-B*R).LT.Y(K,N)) AND.(Y(K,N).LT.(B*R)) GO TO 33
52      X(K,N)=Y0+B*(1+R0**2/(1/R)))/(1-R0**2/(1/R))
53      Y(K,N)=0.0
54      GO TO 48
55 33 TE=PI
56      GO TO 34
57 48 CONTINUE
58      NP=0
59      DO 65 N=1,I1
60      DO 36 K=1,11
61      R0=SQRT(X(K,N)**2+X(K,N)+Y(K,N)**2+Y(K,N))
62      IF(X(K,N).EQ.0.0) GO TO 37
63      IF(Y(K,N).EQ.0.0) GO TO 38
64      TE=ATAN2(Y(K,N),X(K,N))
65      IF(TE.LT.0.0) TE=PI+TE
66      GO TO 39
67 37 TE=PI/2.0
68      GO TO 39
69 38 IF(X(K,N).GT.0.0) GO TO 40
70      TE=PI
71      GO TO 39
72 40 TE=0.0
73 39 Y(K,N)=TE/PI
74 36 X(K,N)=ALOG(R0)/PI
75      IF(NP.EQ.0) GO TO 43
76 42 IF(NR.GT.0) PRINT 28
77      PRINT 25,(X(K,N),K=1,11)
78      PRINT 26,N
79      PRINT 27,(Y(K,N),K=1,11)
80      NR=NR+1
81      IF(NR.LT.13) GO TO 65
82      PRINT 24
83 43 NR=0
84      NP=NP+1
85      PRINT 16
86      PRINT 17
87      PRINT 18,NR
88      PRINT 19

```

```

89      PRINT 20
90      PRINT 21.(K,K=1,11)
91      PRINT 22
92      PRINT 23
93      PRINT 24
94      IF(NP.EQ.1) GO TO 42
FORTRAN 00.00                                DIFUZOR 25/06/78 21.42.27 2

```

```

95      65 CONTINUE
96      PRINT 19
97      15 FORMAT(6X,'XD(''.I2.'')=''.F17.14)
98      DO 60 N=1,74
99      XD=X(11,N)
100     60 WRITE(106,15) N,XD
101     85 FORMAT(6X,'XC(''.I2.'')=''.F17.14)
102     DO 35 N=1,7
103     XC=X(1,N)
104     35 WRITE(106,85) N,XC
105     DO 90 N=52,67
106     XC=X(1,N)
107     90 WRITE(106,85) N,XC
108     RETURN
109     END
FORTRAN 00.00                                DIFUZOR 25/06/78 21.42.27 3

```

MODULE	NOAG	TYPE	C	LONGUEUR	2580 (09600)
MODULE	XPYP	TYPE	C	LONGUEUR	12EA (04832)
MODULE	XY	TYPE	C	LONGUEUR	2AA0 (10912)
MODULE	CALC4	TYPE	P	LONGUEUR	0C1A (0309A)

```

***** FIN DE COMPILATION (PLUS HAUT NIVEAU D'ERREUR RENCONTRE = 0) 21.42.42
: SFG 85
: COMPILE FORTRAN.OBL
FORTRAN 00.00                                DIFUZOR 25/06/78 21.42.43 0

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```

1      * SEGMENT XY,VXVY
2      SUBROUTINE CALC5(I1,N)
3      DIMENSION X(41,62),Y(41,62)
4      DIMENSION VX(10,67),VY(10,62)
5      COMMON /XY/X,Y
6      COMMON /VXVY/VX,VY
7      16 FORMAT(''.42X.''.T A B E L U L V X ( K , N ) , V Y ( K , N )')
8      17 FORMAT(''.40X.''.51(''.*'))
9      18 FORMAT(''.0.''.153X.''.PAG 1',I3)
10     19 FORMAT(''.141(''.*'))
11     20 FORMAT(''.100.''.10(''.11X.''.*'))

```



```

13 21 FORMAT(' ** K 1',10(11X,'1'))
14 22 FORMAT(' ** 1',10(1A,5X,'1'))
15 23 FORMAT(' ** 1',10(11X,'1'))
16 24 FORMAT(' N *1',10(11X,'1'))
17 25 FORMAT(' .129(')',1')
18 26 FORMAT(' I VY 1',10(F10.7,'1'))
19 27 FORMAT(' .13.' 1 1',10(11X,'1'))
20 28 FORMAT(' I VY 1',10(F10.7,'1'))
21 29 FORMAT(' .....10/+',11(''),1')
22 NP=0
23 DO 30 N=1,11
24 DO 31 K=1,10
25 B=(X(K+1,N)-X(K,N))*2+(Y(K+1,N)-Y(K,N))*2
26 VX(K,N)=H*(Y(K+1,N)-Y(K,N))/B/10.0
27 VY(K,N)=-H*(Y(K+1,N)-Y(K,N))/B/10.0
28 31 CONTINUE
29 IF(NP.EQ.0) GO TO 32
30 IF(NR.GT.0) PRINT 26
31 PRINT 26,(VX(K,N),K=1,10)
32 PRINT 27,N
33 PRINT 28,(VY(K,N),K=1,10)
34 NR=NR+1
35 IF(NR.LT.13) GO TO 30
36 PRINT 25
37 32 NR=0
38 NP=NP+1
39 PRINT 16
40 PRINT 17
41 PRINT 18, NP
42 PRINT 19
43 PRINT 20
44 PRINT 21
45 PRINT 22,(K,K=1,10)
46 PRINT 23
47 PRINT 24
48 PRINT 25

```

FORTRAN 00.00

DIFUZOR 28/06/78 21.42.43

1

```

48 IF(NP.EQ.1) GO TO 33
49 30 CONTINUE
50 RETURN
51 END

```

FORTRAN 00.00

DIFUZOR 28/06/78 21.42.43

2

MODULE	NAME	TYPE	C	LONGUEUR	NUMERO
MODULE	VXVY	TYPE	C	LONGUEUR	2600 (09920)
MODULE	XY	TYPE	C	LONGUEUR	2000 (10912)
MODULE	CALGS	TYPE	P	LONGUEUR	6558 (01368)

```

1 * SEGMENT VXVY,VABS
2 * DEFINE FILE *3=106
3   SUBROUTINE CALC6(I1)
4     DIMENSION VX(10,62),VY(10,62)
5     DIMENSION V(10,62)
6     COMMON /VXVY/VX,VY
7     COMMON /VARS/V
8     16 FORMAT('1',4X,'TABELUL VITEZELOR ABSOLUT
9     1E')
10    17 FORMAT(' ',41X,55('='))
11    18 FORMAT('0',154X,'PAGE:',I3)
12    19 FORMAT(' ',5X,127(' '))
13    20 FORMAT(' ',5V,'I * V',10(41X,' '))
14    21 FORMAT(' ',5V,'I * I',10(41X,' '))
15    22 FORMAT(' ',5V,'I * I',10(41X,' '))
16    23 FORMAT(' ',5V,'I * N',10(41X,' '))
17    24 FORMAT(' ',5V,'I',125(' '))
18    25 FORMAT(' ',5V,'I',125(' '),10(F10.7,' '))
19    28 FORMAT(' ',5V,'I',10(41X,' '))
20    NP=0
21    DO 26 N=1,I1
22    DO 27 K=1,10
23    27 V(K,N)=SQRT(VX(K,N)**2+VY(K,N)**2)
24    IF(NP.EQ.0) GO TO 29
25    30 PRINT 25,N,(V(K,N),K=1,10)
26    NR=NR+1
27    PRINT 28
28    IF(NR.LT.20) GO TO 26
29    PRINT 24
30    NR=0
31    NP=NP+1
32    PRINT 16
33    PRINT 17
34    PRINT 18,NP
35    PRINT 19
36    PRINT 20
37    PRINT 21,(K,K=1,10)
38    PRINT 22
39    PRINT 23
40    PRINT 24
41    IF(NP.EQ.1) GO TO 30
42    26 CONTINUE
43    PRINT 19
44    15 FORMAT(6X,'VD(',I2,')=',F16.14)
45    DO 60 N=1,I1
46    VD=V(10,N)
47    60 WRITE(106,15) N,VD

```

```

48    85 FORMAT(6X,'VC(',I2,')=',F16.14)
49    DO 35 N=1,I1
50    VC=V(2,N)
51    35 WRITE(106,85) N,VC
52    DO 90 N=52,65
53    VC=V(2,N)
54    90 WRITE(106,85) N,VC
55    91 FORMAT(6X,'Vc(',I2,')=',F16.14)
56    DO 99 K=1,99
57    IF(K.EQ.1) GO TO 96
58    IF(K.EQ.21) GO TO 95
59    N=2*K+2

```

```

60      GO TO 98
61      95 N=2*K+10
62      GO TO 98
63      96 N=2*K
64      98 VG=V(2,N)
65      99 WRITE(106,91) K,VG
66      RETURN
67      END

```

FORTRAN 00.00

DIFUZOR 28/06/78 21.42.52

2

MODULE	VABS	TYPE	C	LONGUEUR	1360 (04960)
MODULE	VXVY	TYPE	C	LONGUEUR	2600 (09920)
MODULE	CALC6	TYPE	P	LONGUEUR	0520 (01512)

```

**** FIN DE COMPILATION (PLUS HAUT NIVEAU D'ERREUR RENCONTRE = 0) 21.43.01
      SEG 57
      COMPILE FORTRAN, OBL
FORTRAN 00.00
      DIFUZOR 28/06/78 21.43.02

```

0

```

1      * SEGMENT XY
2      * DEFINE FILE *3=106
3      SUBROUTINE CALC7(I1,H)
4      DIMENSION X(11,62),Y(11,62)
5      DIMENSION DP(11,61)
6      DIMENSION DP(11,61)
7      DIMENSION EI(62)
8      DIMENSION DS(61)
9      COMMON /XY/X,Y
10     2 FORMAT(6X,'DPSID(',I2,')=',E22.15)
11     4 FORMAT(6X,'FY(',I2,')=',E22.15)
12     6 FORMAT(6X,'D(',I2,')=',E22.15)
13     I=I1-1
14     DO 9 N=1,I
15     DPSID(N)=SQRT((X(11,N+1)-X(11,N))**2+(Y(11,N+1)-Y(11,N))**2)
16     DS(N)=0.0
17     DO 9 K=1,10
18     DS(N)=DS(N)+SQRT((X(K+1,N)-X(K,N))**2+(Y(K+1,N)-Y(K,N))**2)+SQRT((
19     X(K,N+1)-X(K,N))**2+(Y(K,N+1)-Y(K,N))**2)
20     9 CONTINUE
21     DO 15 N=1,I1
22     FI(N)=0.0
23     DO 15 K=1,10
24     FI(N)=FI(N)+SQRT((X(K+1,N)-X(K,N))**2+(Y(K+1,N)-Y(K,N))**2)
25     15 CONTINUE
26     DO 10 N=1,I
27     10 WRITE(106,2) N,DPSID(N)
28     7 FORMAT(6X,'DPSID(',I2,')=',E22.15)
29     A=SQRT((X(1,5)-X(1,1))**2+(Y(1,2)-Y(1,1))**2)
30     WRITE(106,7) A

```

```

34 3 FORMAT(6X,'DPSIC('12.1)='E22.15)
35 DO 5 N=52,I
36 DPSIC(N)=SQRT((X(1,N+1)-X(1,N))**2+(Y(1,N+1)-Y(1,N))**2)
37 5 CONTINUE
38 DO 8 N=52,I
39 8 WRITE(106,3) N,DPSIC(N)
40 DO 12 N=1,I
41 12 WRITE(106,4) N,FI(N)
42 DO 14 N=1,I
43 14 WRITE(106,6) N,DS(N)
44 RETURN
45 END

```

FORTRAN 00.00

DIFUZOR 28/06/78 21.43.02

1

MODULE	XY	TYPE	C	LONGUEUR	2AA0 (10912)
MODULE	CALC7	TYPE	P	LONGUEUR	0CEA (03304)

```

**** FIN DE COMPILATION (PLUS HAUT NIVEAU D'ERREUR RENCONTRE = 0)
: TREE RADPRINC+XY(RAD1+XPYP+X0AG(S1,S2,S4),RAD2+VXVY+VABS(S5,
: S4,S7))

```

21.43.11

INSTITUT NATIONAL
 DE RECHERCHES
 AERONAUTIQUES
 ET SPATIALES

0177 DIFUZOR AN = 0000 PH = 0001 P106 = 28/06/78
H.BEB = 21H 41M 10S H.FIN = 21H 43M 13S TIME = 00007407
LGR = 00040 MEM = 00013 LO = IN = 00628 OUT = 00000
X1/X6= IF +0= HP. Q= 1

LINK
LINK STARTED
AUCUNE ERREUR A L'EDITION DE LIENS

0177 DIFUZOR AN = 0000 PH = 0002 P106 = 28/06/78
H.DEB = 21M 43M 14S H.SIN = 21M 44M 44S TIME = 00002061
LGP = 00040 MEM = 00012 LO = IN = 00000 OUT = 00000
X1/XG= IF *G= HF. G= I

** VA ROG SA RULATI CU BANDA PILOT SI INTR-UN EXEMPLAR
** PROGRAMUL CICLEAZA MULT
** SA NU SCOTETI AFARA
RUN TIME 1909.MI 1500000
STARTEN

N= 5000000

TABELUL X0(K1) , A(K1) , G(K1)

Xn(51) =	.8220113447>9277E-02	A(51) =	.319474486425584E-02	G(51) =	.150073891724460E+01
Xn(52) =	-.355736521870670E-02	A(52) =	.323884376364613E-02	G(52) =	.107936948414164E+01
Xn(53) =	-.109555495945953E-01	A(53) =	.352697457440437E-02	G(53) =	-.200000000000000E+01
Xn(54) =	-.2068018114403222E+00	A(54) =	-.215929058093609E+00	G(54) =	-.109215689591181E+01
Xn(55) =	-.220151468102344E+00	A(55) =	-.408740269410227E-02	G(55) =	-.200000000000000E+01
Xn(56) =	-.641489802443800E-01	A(56) =	-.986239589453947E-02	G(56) =	-.106401940582397E+01
Xn(57) =	-.104232708222870E-01	A(57) =	-.458958569231457E-02	G(57) =	-.200000000000000E+01
Xn(58) =	-.724118442088717E-03	A(58) =	.564108473016109E-02	G(58) =	-.200000000000000E+01
Xn(59) =	-.352587504825234E-02	A(59) =	-.174993074159543E-01	G(59) =	.104870790821163E+01
Xn(60) =	-.874703484479321E-02	A(60) =	.519755697447262E-02	G(60) =	-.200000000000000E+01
Xn(61) =	-.641606604401304E-03	A(61) =	-.630140838468464E-02	G(61) =	-.200000000000000E+01
Xn(62) =	-.151277985549474E-02	A(62) =	.874292337501719E-02	G(62) =	-.168184108912001E+01
Xn(63) =	-.715142852866841E-02	A(63) =	-.108608620933946E-01	G(63) =	-.104067528738290E+01
Xn(64) =	-.239482670127158E-01	A(64) =	-.631446228793632E-02	G(64) =	-.200000000000000E+01
Xn(65) =	-.612423444548411E-03	A(65) =	.741543840004621E-02	G(65) =	-.200000000000000E+01
Xn(66) =	-.137955647922414E-02	A(66) =	.968195804019784E-02	G(66) =	-.200000000000000E+01
Xn(67) =	-.238604422496044E-02	A(67) =	.251925283264044E-01	G(67) =	-.103976678111741E+01
Xn(68) =	-.183238422565403E-01	A(68) =	-.849398992278438E-02	G(68) =	-.200000000000000E+01
Xn(69) =	-.911414647720943E-03	A(69) =	-.101627348101427E-01	G(69) =	-.200000000000000E+01
Xn(70) =	-.212665332848704E-02	A(70) =	-.137578980124519E-01	G(70) =	-.180068968612933E+01
Xn(71) =	-.126477273679891E-01	A(71) =	-.172269527089742E-01	G(71) =	-.104789789182491E+01
Xn(72) =	.410040664145444E-01	A(72) =	.1137252208543571E-01	G(72) =	-.200000000000000E+01
Xn(73) =	-.128426278024840E-02	A(73) =	-.138148083471926E-01	G(73) =	-.200000000000000E+01
Xn(74) =	-.957459009363944E+00	A(74) =	-.991731839453713E+00	G(74) =	-.112173623404425E+01
Xn(75) =	-.105571544640312E+01	A(75) =	-.157903110927637E-01	G(75) =	-.160334873161433E+01
Xn(76) =	-.187133189246760E-01	A(76) =	-.169007120810770E-01	G(76) =	-.111529482192290E+01
Xn(77) =	-.604921418008647E-01	A(77) =	-.208541531865489E-01	G(77) =	-.160236366834474E+01
Xn(78) =	-.257276824539811E-01	A(78) =	-.215131688784902E-01	G(78) =	-.114332803055926E+01
Xn(79) =	-.839143021678362E-01	A(79) =	-.998230210084801E-01	G(79) =	-.144377340995966E+01
Xn(80) =	-.355026958155694E-01	A(80) =	-.294266970260187E-01	G(80) =	-.113214587921831E+01
Xn(81) =	-.157773918498414E+00	A(81) =	-.124458604721405E+00	G(81) =	-.111987739565375E+01
Xn(82) =	-.702824107301274E-01	A(82) =	-.680127524710553E-01	G(82) =	-.112259995027677E+01
Xn(83) =	-.648827342353375E-01	A(83) =	-.844359144436793E-01	G(83) =	-.100798743110582E+01
Xn(84) =	-.249899509711944E+00	A(84) =	-.184949623211945E+00	G(84) =	-.115117752219282E+01
Xn(85) =	-.189165444583840E+00	A(85) =	-.122431470026609E+00	G(85) =	-.129816095242800E+01
Xn(86) =	-.128518299490784E+00	A(86) =	-.124102744779523E+00	G(86) =	-.103722045284019E+01
Xn(87) =	-.676728309902454E+00	A(87) =	-.548006404763525E+00	G(87) =	-.116140453413802E+01
Xn(88) =	-.146776931362824E+00	A(88) =	-.234128268449707E+00	G(88) =	-.127572655926814E+01
Xn(89) =	-.253171712162234E+00	A(89) =	-.253390285475966E+00	G(89) =	-.102789976573215E+01
Xn(90) =	-.791852333310354E+00	A(90) =	-.252016160414544E+00	G(90) =	-.200000000000000E+01
Xn(91) =	-.862257280644514E-02	A(91) =	-.642130831787139E+00	G(91) =	-.109746082262243E+01
Xn(92) =	-.684986105268704E+00	A(92) =	-.527043350738211E+00	G(92) =	-.200000000000000E+01
Xn(93) =	-.629089752167164E+00	A(93) =	-.148460617417947E+00	G(93) =	-.111294573396234E+01
Xn(94) =	-.244856852549137E+00	A(94) =	-.503702587295278E+00	G(94) =	-.193887119638589E+01
Xn(95) =	-.656702053497094E+00	A(95) =	-.610068472938358E+00	G(95) =	-.107185080927897E+01
Xn(96) =	-.192907442786389E+01	A(96) =	-.401130101286706E+00	G(96) =	-.200000000000000E+01
Xn(97) =	-.203106524687864E+01	A(97) =	-.358961688835571E+01	G(97) =	-.111993118343708E+01
Xn(98) =	-.563274067519204E+00	A(98) =	-.06277435274509E+00	G(98) =	-.183657819944867E+01
Xn(99) =	-.121148504641805E+01	A(99) =	-.114489384118538E+01	G(99) =	-.107656848509695E+01
Xn(100) =	.359646423165622E+01	A(100) =	.1412962282124868E+01	G(100) =	-.200000000000000E+01

TABELUL XO(K1) , A(K1) , G(K1)

Xn(51)	=	.822011344759277E-02	A(51)	=	-.349474486425584E-02	G(51)	=	.150073891724460E+01
Xn(52)	=	-.355736524870670E-02	A(52)	=	.223884376364613E-02	G(52)	=	.107936948414164E+01
Xn(53)	=	-.109555494945955E-01	A(53)	=	-.359697457440437E-02	G(53)	=	-.200000000000000E+01
Xn(54)	=	-.206801811403222E+00	A(54)	=	-.215929058093609E+00	G(54)	=	-.109215689591181E+01
Xn(55)	=	-.220151468490234E+00	A(55)	=	-.408740269410227E-02	G(55)	=	-.200000000000000E+01
Xn(56)	=	-.641489804438003E-03	A(56)	=	-.086239589453947E-02	G(56)	=	-.106401940582397E+01
Xn(57)	=	-.104232708222870E-01	A(57)	=	-.438958569231457E-02	G(57)	=	-.200000000000000E+01
Xn(58)	=	-.724118445088717E-03	A(58)	=	-.564108473016109E-02	G(58)	=	.200000000000000E+01
Xn(59)	=	-.352587504825233E-02	A(59)	=	-.174993074459543E-01	G(59)	=	-.104870790821163E+01
Xn(60)	=	-.874703484479321E-02	A(60)	=	-.549755697447262E-02	G(60)	=	-.200000000000000E+01
Xn(61)	=	-.641606604401303E-03	A(61)	=	-.630140838468464E-02	G(61)	=	-.200000000000000E+01
Xn(62)	=	-.151277985549474E-02	A(62)	=	.874292337901719E-02	G(62)	=	-.168184108912001E+01
Xn(63)	=	-.715142852866841E-02	A(63)	=	-.108608620733966E-01	G(63)	=	-.104067528738290E+01
Xn(64)	=	-.239482670197158E-01	A(64)	=	-.631446228793632E-02	G(64)	=	-.200000000000000E+01
Xn(65)	=	-.612423444548411E-03	A(65)	=	.741543840004621E-02	G(65)	=	.200000000000000E+01
Xn(66)	=	-.137955647922414E-02	A(66)	=	-.068195804019784E-02	G(66)	=	-.200000000000000E+01
Xn(67)	=	-.238604422436048E-02	A(67)	=	-.251925283464044E-01	G(67)	=	-.103976678111741E+01
Xn(68)	=	-.183238422665403E-01	A(68)	=	-.849398992278438E-02	G(68)	=	-.200000000000000E+01
Xn(69)	=	-.911414647720943E-03	A(69)	=	-.101627348101427E-01	G(69)	=	-.200000000000000E+01
Xn(70)	=	-.212665334848704E-02	A(70)	=	-.137378980424319E-01	G(70)	=	-.180068968612953E+01
Xn(71)	=	-.126477274679891E-01	A(71)	=	-.172269327089742E-01	G(71)	=	-.104789789182491E+01
Xn(72)	=	-.410040664115443E-01	A(72)	=	-.113725208843571E-01	G(72)	=	.200000000000000E+01
Xn(73)	=	-.128426274024840E-02	A(73)	=	-.138148083471926E-01	G(73)	=	-.200000000000000E+01
Xn(74)	=	-.957459009363963E+00	A(74)	=	-.994734839453713E+00	G(74)	=	-.112173623404423E+01
Xn(75)	=	-.105571564640312E+01	A(75)	=	-.437903110427637E-01	G(75)	=	-.160334873161435E+01
Xn(76)	=	-.187133189246760E-01	A(76)	=	-.169007120810770E-01	G(76)	=	-.111529482192290E+01
Xn(77)	=	-.604921410004617E-01	A(77)	=	-.208541531865485E-01	G(77)	=	-.160236366834474E+01
Xn(78)	=	-.257276824539811E-01	A(78)	=	.215131088784902E-01	G(78)	=	-.114332803055926E+01
Xn(79)	=	.839143921678362E-01	A(79)	=	.298230210084801E-01	G(79)	=	-.144377340995966E+01
Xn(80)	=	-.355026958455694E-01	A(80)	=	-.294266970560187E-01	G(80)	=	-.113214587921831E+01
Xn(81)	=	-.157773918498418E+00	A(81)	=	-.124458604721405E+00	G(81)	=	-.111987739565375E+01
Xn(82)	=	-.702824107301274E-01	A(82)	=	-.680127524410535E-01	G(82)	=	-.112259995027677E+01
Xn(83)	=	-.648827442353375E-01	A(83)	=	-.644352144436793E-01	G(83)	=	-.100798743110582E+01
Xn(84)	=	-.249899509711941E+00	A(84)	=	-.984949623241945E+00	G(84)	=	-.115117752219282E+01
Xn(85)	=	-.189165444583840E+00	A(85)	=	-.122431470026609E+00	G(85)	=	-.129816095242800E+01
Xn(86)	=	-.128518294907884E+00	A(86)	=	-.124102744779525E+00	G(86)	=	-.103722045284019E+01
Xn(87)	=	-.676728309902435E+00	A(87)	=	-.568006404763525E+00	G(87)	=	-.116140453413802E+01
Xn(88)	=	-.146776934342828E+00	A(88)	=	-.254128268469707E+00	G(88)	=	-.127572655926814E+01
Xn(89)	=	-.253171712162234E+00	A(89)	=	-.253590285475964E+00	G(89)	=	-.102789976373215E+01
Xn(90)	=	-.791852334340354E+00	A(90)	=	-.252016160414541E+00	G(90)	=	-.200000000000000E+01
Xn(91)	=	-.862257280644514E-02	A(91)	=	-.642130831787130E+00	G(91)	=	-.109746082262243E+01
Xn(92)	=	-.684986105268704E+00	A(92)	=	-.327043350738211E+00	G(92)	=	-.200000000000000E+01
Xn(93)	=	-.629089752167164E+00	A(93)	=	-.148460617417947E+00	G(93)	=	-.111294573396234E+01
Xn(94)	=	-.244836852549137E+00	A(94)	=	-.503702387295278E+00	G(94)	=	-.193887119638589E+01
Xn(95)	=	-.656702053497093E+00	A(95)	=	-.610068172038538E+00	G(95)	=	-.107183080927897E+01
Xn(96)	=	-.192907442786389E+01	A(96)	=	-.401130101286706E+00	G(96)	=	-.200000000000000E+01
Xn(97)	=	-.203106524687864E+01	A(97)	=	-.358961688035571E+01	G(97)	=	-.111995118343708E+01
Xn(98)	=	-.563274067519293E+00	A(98)	=	-.062774133174507E+00	G(98)	=	-.183657819944867E+01
Xn(99)	=	-.121148904641805E+01	A(99)	=	-.114488384118538E+01	G(99)	=	-.107656848509695E+01
Xn(100)	=	.359646423146562E+01	A(100)	=	.412942262124868E+01	G(100)	=	.200000000000000E+01

TABELUL X0(K1) , A(K1) , G(K1)

Xn(101)	=	.112518565238210E+02	A(101)	=	.141804322883602E+02	G(101)	=	.111333961973833E+01
Xn(102)	=	-.976019616911270E+01	A(102)	=	.471482193058537E+01	G(102)	=	.177925032127203E+01
Xn(103)	=	-.212004164512820E+01	A(103)	=	-.492396873484169E+01	G(103)	=	.108218512004053E+01
Xn(104)	=	.647135992001117E+01	A(104)	=	.212742506283739E+01	G(104)	=	-.200000000000000E+01
Xn(105)	=	.431907737049958E+01	A(105)	=	-.973948372505930E+01	G(105)	=	-.110497722248151E+01
Xn(106)	=	.943929705329120E+00	A(106)	=	.291582191365713E+01	G(106)	=	-.200000000000000E+01
Xn(107)	=	-.736304352103109E+00	A(107)	=	-.4144331464280198E+01	G(107)	=	-.144488627428638E+01
Xn(108)	=	-.339219753192224E+01	A(108)	=	-.450289202489424E+01	G(108)	=	.105226832999178E+01
Xn(109)	=	.606892635180679E+02	A(109)	=	-.559510128468987E+02	G(109)	=	.145229007813031E+01
Xn(110)	=	-.669731314403819E+02	A(110)	=	.535149106913395E+01	G(110)	=	.104088430318976E+01
Xn(111)	=	-.491363569912495E+01	A(111)	=	-.429637496944353E+01	G(111)	=	.100330753704994E+01
Xn(112)	=	.179153618521703E+02	A(112)	=	.748338634931473E+01	G(112)	=	.134075678421904E+01
Xn(113)	=	-.777136936298288E+01	A(113)	=	-.698320434693821E+01	G(113)	=	-.106038846768889E+01
Xn(114)	=	.247321821600144E+02	A(114)	=	.831784393A73693E+01	G(114)	=	-.200000000000000E+01
Xn(115)	=	-.221159178730960E+01	A(115)	=	-.119526316046062E+02	G(115)	=	-.134350056137201E+01
Xn(116)	=	-.916904791276616E+01	A(116)	=	-.120803081768843E+02	G(116)	=	.105858494054850E+01
Xn(117)	=	.299384104636174E+02	A(117)	=	.749964283294974E+01	G(117)	=	-.200000000000000E+01
Xn(118)	=	-.726673348461948E+00	A(118)	=	.855023600063280E+01	G(118)	=	-.200000000000000E+01
Xn(119)	=	-.149303772761848E+01	A(119)	=	-.105682605510056E+02	G(119)	=	-.200000000000000E+01
Xn(120)	=	-.344383493174884E+01	A(120)	=	.150550448035569E+02	G(120)	=	.192881913348487E+01
Xn(121)	=	-.959628625574955E+01	A(121)	=	.227592195412355E+02	G(121)	=	.100363854423020E+01
Xn(122)	=	.158143931988577E+03	A(122)	=	-.135301902411815E+03	G(122)	=	.485888588750943E+01
Xn(123)	=	-.207947092426983E+03	A(123)	=	-.161308853783235E+02	G(123)	=	-.125918653503012E+01
Xn(124)	=	-.159289165166615E+02	A(124)	=	.146682923483113E+02	G(124)	=	.103450475007989E+01
Xn(125)	=	.510180119362901E+02	A(125)	=	.170923871881456E+02	G(125)	=	-.200000000000000E+01
Xn(126)	=	-.460053052895378E+01	A(126)	=	-.244208251232448E+02	G(126)	=	.138223495420054E+01
Xn(127)	=	-.186726259102353E+02	A(127)	=	-.255713492548275E+02	G(127)	=	.105282955409264E+01
Xn(128)	=	.605432029199374E+02	A(128)	=	-.146113191868861E+02	G(128)	=	-.200000000000000E+01
Xn(129)	=	-.123983963626288E+01	A(129)	=	-.163988810468075E+02	G(129)	=	-.200000000000000E+01
Xn(130)	=	-.240601001370687E+01	A(130)	=	.196295716477862E+02	G(130)	=	-.200000000000000E+01
Xn(131)	=	-.547432844470044E+01	A(131)	=	-.266269856437426E+02	G(131)	=	-.200000000000000E+01
Xn(132)	=	-.107341794707269E+02	A(132)	=	.414594483991897E+02	G(132)	=	.139625505573051E+01
Xn(133)	=	-.100597454141609E+02	A(133)	=	.530046237457653E+02	G(133)	=	.100150060504357E+01
Xn(134)	=	.596837458713089E+02	A(134)	=	.659958311081778E+01	G(134)	=	-.200000000000000E+01
Xn(135)	=	-.427396784646145E+03	A(135)	=	-.440595951005777E+03	G(135)	=	.181869768772274E+01
Xn(136)	=	-.737823505560392E+03	A(136)	=	-.241296258088977E+02	G(136)	=	.111958651422361E+01
Xn(137)	=	-.228578443386298E+02	A(137)	=	-.205542233563044E+02	G(137)	=	.102013760932104E+01
Xn(138)	=	.785880640051824E+02	A(138)	=	-.297839291015507E+02	G(138)	=	.164625760276830E+01
Xn(139)	=	-.346930067412120E+02	A(139)	=	.319209137371875E+02	G(139)	=	.107777421987864E+01
Xn(140)	=	.103322274726643E+03	A(140)	=	-.319864067490241E+02	G(140)	=	-.200000000000000E+01
Xn(141)	=	-.686588262711807E+01	A(141)	=	-.431601705050240E+02	G(141)	=	.175574020613331E+01
Xn(142)	=	-.419628852179832E+02	A(142)	=	.522235406426123E+02	G(142)	=	.105167449206965E+01
Xn(143)	=	.138837015098039E+04	A(143)	=	.1333464798297996E+04	G(143)	=	.145823815019026E+01
Xn(144)	=	-.182779104073177E+04	A(144)	=	.417866681519844E+03	G(144)	=	.105416790805470E+01
Xn(145)	=	-.389109042642608E+02	A(145)	=	.569734479721147E+02	G(145)	=	.100669564572492E+01
Xn(146)	=	.1368989415A5738E+03	A(146)	=	.545068825855383E+02	G(146)	=	.135161376399348E+01
Xn(147)	=	-.576640982583294E+02	A(147)	=	.524541530557612E+02	G(147)	=	.106905447391096E+01
Xn(148)	=	.184162090171581E+03	A(148)	=	.625266592243748E+02	G(148)	=	-.200000000000000E+01
Xn(149)	=	-.336908468291788E+02	A(149)	=	.124918837869024E+03	G(149)	=	.107503404160815E+01
Xn(150)	=	.182976901649308E+03	A(150)	=	.670107436184790E+02	G(150)	=	-.200000000000000E+01

TABELUL NO(K1) , A(K1) , G(K1)

Xn(151)	-1107649794n8125E+02	A(151)	-84675431449980E+02	G(151)	20000000000000E+01
Xn(152)	-2581785n7298387E+02	A(152)	-175427237176678E+02	G(152)	128302942748766E+01
Xn(153)	-74035774141477E+02	A(153)	-13184385148544E+02	G(153)	-103729796961677E+01
Xn(154)	-12704741120225E+04	A(154)	-113371275357395E+04	G(154)	136420147701471E+01
Xn(155)	-140540190811530E+04	A(155)	-133432543478928E+03	G(155)	113547395223237E+01
Xn(156)	-12705958n42106E+03	A(156)	-115073643933401E+03	G(156)	102056366565836E+01
Xn(157)	-425195786n2907E+03	A(157)	-154132744208147E+01	G(157)	185567688304199E+01
Xn(158)	-189418893377287E+03	A(158)	-181828695375876E+03	G(158)	106171366448967E+01
Xn(159)	-52665931133390E+03	A(159)	-14176568013250E+03	G(159)	20000000000000E+01
Xn(160)	-226108554555937E+02	A(160)	-177380182166476E+03	G(160)	20000000000000E+01
Xn(161)	-528741711224814E+02	A(161)	-253115868n18246E+03	G(161)	162535862852980E+01
Xn(162)	-169711n14483417E+03	A(162)	-3249268654n7078E+03	G(162)	102177441079196E+01
Xn(163)	-3092243622n186E+04	A(163)	-27602416645668E+04	G(163)	167343211669395E+01
Xn(164)	-393989128407911E+04	A(164)	-23981482643559E+03	G(164)	117219219653954E+01
Xn(165)	-23277220537674E+03	A(165)	-144838362876694E+03	G(165)	102785057696336E+01
Xn(166)	-765609n25285E+03	A(166)	-289839228119319E+01	G(166)	189772769350024E+01
Xn(167)	-339291107585644E+03	A(167)	-32218415926125E+03	G(167)	108702396074217E+01
Xn(168)	-95347220403599E+03	A(168)	-268877137109379E+03	G(168)	20000000000000E+01
Xn(169)	-4647937623740E+02	A(169)	-34195209320125E+03	G(169)	20000000000000E+01
Xn(170)	-10740977108785E+03	A(170)	-310718269498124E+03	G(170)	125258998987531E+01
Xn(171)	-28520313177933E+03	A(171)	5332250714n2779E+03	G(171)	103365324454795E+01
Xn(172)	-525360709673170E+04	A(172)	-270254391461628E+04	G(172)	157522842844696E+01
Xn(173)	-605119464362194E+04	A(173)	-278134086767857E+03	G(173)	112837340001938E+01
Xn(174)	-457483505335980E+03	A(174)	-419481746727283E+03	G(174)	102074929296432E+01
Xn(175)	-152413634489470E+04	A(175)	-55080055904617E+03	G(175)	174330844392704E+01
Xn(176)	-660057545430146E+03	A(176)	-627545498n95657E+03	G(176)	107186860006391E+01
Xn(177)	-18899781487800E+04	A(177)	-53972775492985E+03	G(177)	20000000000000E+01
Xn(178)	-110011476n62697E+03	A(178)	-698266039498211E+03	G(178)	20000000000000E+01
Xn(179)	-1284601770n6569E+04	A(179)	-300055n76469908E+04	G(179)	103661566932692E+01
Xn(180)	-5860177502442E+02	A(180)	-52141461979190E+03	G(180)	20000000000000E+01
Xn(181)	-452225170174319E+02	A(181)	-589818n43145929E+03	G(181)	20000000000000E+01
Xn(182)	-905490n845n5454E+02	A(182)	-716468n4776388E+03	G(182)	20000000000000E+01
Xn(183)	-289433594693644E+03	A(183)	-996414n4115339E+03	G(183)	20000000000000E+01
Xn(184)	-3837621901884n1E+03	A(184)	-158561866n8743E+04	G(184)	108441890681741E+01
Xn(185)	-34226668n98390E+03	A(185)	-164842698776401E+04	G(185)	100286n30579397E+01
Xn(186)	-797339464480120E+04	A(186)	-632326125475598E+04	G(186)	189155194395184E+01
Xn(187)	-85790327230312nE+04	A(187)	-1184698n716566E+04	G(187)	12448n95627621E+01
Xn(188)	-11763335467290E+04	A(188)	-111426889134601E+04	G(188)	103368246282532E+01
Xn(189)	-36919918043900E+04	A(189)	-118969310238912E+04	G(189)	20000000000000E+01
Xn(190)	-19856753n108950E+05	A(190)	-2295413481n2450E+05	G(190)	106892360439716E+01
Xn(191)	-1884788385n6181E+05	A(191)	-1246229649088771E+04	G(191)	20000000000000E+01
Xn(192)	-26943032033919E+03	A(192)	-167013598434219E+04	G(192)	188384462418912E+01
Xn(193)	-164638n403n113E+04	A(193)	-224235283n84031E+04	G(193)	103268551727098E+01
Xn(194)	-336936n9n24495E+05	A(194)	-313779637994248E+04	G(194)	151330175483399E+01
Xn(195)	-42835691742771E+05	A(195)	-134902050159864E+04	G(195)	103202860234995E+01
Xn(196)	-14597196113983E+04	A(196)	-135163109479704E+04	G(196)	100396928345248E+01
Xn(197)	-498823361480012E+04	A(197)	-1937341211496601E+04	G(197)	118819140836796E+01
Xn(198)	-196371n54471567E+05	A(198)	-181728406n95529E+04	G(198)	109400401357968E+01
Xn(199)	-307408n44978E+05	A(199)	-288253n1541711E+05	G(199)	11188n686942357E+01
Xn(200)	-22703323137347E+05	A(200)	-312785n64138117E+04	G(200)	168162940217960E+01

TABELUL XOCRT) , ACKT) , GERT)

Table with 3 columns: Xn (201-250), A (201-250), G (201-250). Each row contains numerical data for a specific index, such as Xn(201) = -29863884n272257E+04, A(201) = -27684n606567264E+04, G(201) = -101327742722773E+01.

TABELUL X0(K1) , A(K1) , G(K1)

Xn(251)	-0684562n687>7770F+05	A(251)	-177217214560668E+0A	G(251)	104789507666361E+01
Xn(252)	2710294572112R4F+06	A(252)	757656970708112E+0A	G(252)	20000000000000E+01
Xn(253)	-74491170708475AF+04	A(253)	899074596428796E+0A	G(253)	20000000000000E+01
Xn(254)	-171844n819647nAF+05	A(254)	19769757554373E+0A	G(254)	191667814981228E+01
Xn(255)	-11602899>2>34R4F+0A	A(255)	163254691>30814E+0A	G(255)	104067332917341E+01
Xn(256)	35182553A884524E+0A	A(256)	840013816n3817nE+0A	G(256)	80000000000000E+01
Xn(257)	-7485201558n9983E+0A	A(257)	984746287618464E+0A	G(257)	20000000000000E+01
Xn(258)	-16846972n792410F+05	A(258)	178n43567n95810E+0A	G(258)	20000000000000E+01
Xn(259)	-610309394n0188AF+0A	A(259)	3n35458024n8154E+0A	G(259)	104413884776510E+01
Xn(260)	269425353R7101F+06	A(260)	98n636426426140E+0A	G(260)	20000000000000E+01
Xn(261)	-91651685167007>F+05	A(261)	11611592111908nE+0A	G(261)	20000000000000E+01
Xn(262)	-2109442n1557794F+05	A(262)	153993869n05119E+0A	G(262)	193373661880140E+01
Xn(263)	-15308693A35694F+06	A(263)	2n885917262156E+0A	G(263)	104406n8927284E+01
Xn(264)	-4640108n455230AF+06	A(264)	113694113>22999E+06	G(264)	20000000000000E+01
Xn(265)	-11123844586333F+05	A(265)	136n0140114844nE+0A	G(265)	20000000000000E+01
Xn(266)	-2607919595539AF+05	A(266)	183989143195825E+06	G(266)	176107006355037E+01
Xn(267)	-16834614n3806n0F+06	A(267)	211637661435737E+0A	G(267)	105944263193095E+01
Xn(268)	53n87752341411AF+06	A(268)	132586n43539488E+0A	G(268)	20000000000000E+01
Xn(269)	-135052n2>769130F+05	A(269)	16n47n071446517E+0A	G(269)	20000000000000E+01
Xn(270)	2169727715>944AF+07	A(270)	258n47540n83056E+07	G(270)	112797>883n1697E+01
Xn(271)	-21361967956786AF+07	A(271)	1883n2882>87827E+0A	G(271)	168533532689246E+01
Xn(272)	-23n70284228755F+06	A(272)	2228935227n1182E+0A	G(272)	11n565418799293E+01
Xn(273)	692574n1828978AF+06	A(273)	207281819767454E+0A	G(273)	1818n6986420429E+01
Xn(274)	-2729105574A0091F+06	A(274)	248n04876429451E+0A	G(274)	112736147004121E+01
Xn(275)	81807148x7110nAF+06	A(275)	248896n63258138E+0A	G(275)	17144n452711591E+01
Xn(276)	-321466n31350947F+06	A(276)	2925661023n0025E+06	G(276)	111944286657618E+01
Xn(277)	97n805>22A39925F+06	A(277)	3n1877132497291E+0A	G(277)	164371532561819E+01
Xn(278)	-3816526n458541AF+06	A(278)	343631805A56913E+0A	G(278)	112097612938321E+01
Xn(279)	114938n93389n0F+07	A(279)	356417494A22593E+0A	G(279)	16749n7n5892015E+01
Xn(280)	-4538251245734R8E+06	A(280)	412235319n7546E+0A	G(280)	111399593547989E+01
Xn(281)	13476247171722F+07	A(281)	41n444961n23621E+0A	G(281)	183161534768223E+01
Xn(282)	-5395276375582n>F+06	A(282)	49846434345936nE+0A	G(282)	11n0261n19486041E+01
Xn(283)	1537328472n534AF+07	A(283)	432427841A19436E+06	G(283)	20000000000000E+01
Xn(284)	-3463539586907AF+06	A(284)	83n681968R54123E+0A	G(284)	1n9775989249025E+01
Xn(285)	14388685113434AF+07	A(285)	47595669n418191E+0A	G(285)	20000000000000E+01
Xn(286)	124831n0423037nF+05	A(286)	429257854>n150nE+07	G(286)	113374n55150708E+01
Xn(287)	124475n4467847F+07	A(287)	55>874967012617E+0A	G(287)	20000000000000E+01
Xn(288)	-388901n39n416AF+06	A(288)	1141n1817366673E+07	G(288)	1n8627962039020E+01
Xn(289)	184570339683275F+07	A(289)	65n350375478102E+0A	G(289)	20000000000000E+01
Xn(290)	-67n241181496555F+06	A(290)	1n2358876745497E+07	G(290)	11183n997214150E+01
Xn(291)	23851262413172AF+07	A(291)	7487n8>65473487E+0A	G(291)	195501883685638E+01
Xn(292)	-103094414310677F+07	A(292)	92554n637n89742E+0A	G(292)	112345260865599E+01
Xn(293)	3n1736474440022F+07	A(293)	878n11n123533n7E+0A	G(293)	182388890714626E+01
Xn(294)	-121936971n04691F+07	A(294)	1n633n564>52898E+07	G(294)	111891384960531E+01
Xn(295)	349963>755164n>F+07	A(295)	1n2822n565n1091E+07	G(295)	171647759810993E+01
Xn(296)	-13721n0n4982563F+07	A(296)	1239n7547497449E+07	G(296)	112256302395687E+01
Xn(297)	4n1563869n70317F+07	A(297)	119741n83A3973nE+07	G(297)	161127n12898052E+01
Xn(298)	-151577>7R449nAF+07	A(298)	14n559475n3535E+07	G(298)	112514783687703E+01
Xn(299)	45895916A6n99nAF+07	A(299)	14236n2473949nE+07	G(299)	15n06346031n02E+01
Xn(300)	-1699247n045255nF+07	A(300)	159789549093652E+07	G(300)	112699527665764E+01

TABELUL X(K1) , A(K1) , G(K1)

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I Xn(301)= .528073621041064E+07 | A(301)= .167533551433907E+07 | G(301)= .140116365236664E+01 |
I Xn(302)= -.200291036474575E+07 | A(302)= .174684596452787E+07 | G(302)= .113244518266273E+01 |
I Xn(303)= .691106327631864E+07 | A(303)= .493512086703553E+07 | G(303)= .111539431539663E+01 |
I Xn(304)= .387557612540310E+07 | A(304)= .248160656448541E+07 | G(304)= .111520272834079E+01 |
I Xn(305)= -.245826941012949E+07 | A(305)= .970946611702546E+07 | G(305)= .100654196848909E+01 |
I Xn(306)= .707975861713955E+07 | A(306)= .835256725815422E+07 | G(306)= .111812247616315E+01 |
I Xn(307)= .681526010778307E+07 | A(307)= .565403880186633E+07 | G(307)= .107221146695954E+01 |
I Xn(308)= .831233544996975E+07 | A(308)= .198240430596946E+07 | G(308)= .108804268431938E+01 |
I Xn(309)= .400710557748524E+07 | A(309)= .496466420452016E+07 | G(309)= .103503613068607E+01 |
I Xn(310)= .102201928538631E+08 | A(310)= .811682215407714E+07 | G(310)= .104653070559492E+01 |
I Xn(311)= .887613720708555E+07 | A(311)= .702234051579856E+07 | G(311)= .103324035804557E+01 |
I Xn(312)= .106137473234944E+08 | A(312)= .743866326095979E+07 | G(312)= .102192959797010E+01 |
I Xn(313)= .1178739599543A7E+08 | A(313)= .783319905486102E+07 | G(313)= .101173440219994E+01 |
I Xn(314)= .1324364947024A4E+08 | A(314)= .857110708414686E+07 | G(314)= .100447624088965E+01 |
I Xn(315)= .162467104434335E+08 | A(315)= .102302824844549E+08 | G(315)= .100077500322584E+01 |
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TABELUL X (K, N) : Y (K, N)

** K	1	2	3	4	5	6	7	8	9	10	11
1 X	-107891	-106010	-105497	-103306	-102066	-100120	-098523	-096629	-096424	-096616	-098063
1 Y	.500008	.552576	.604620	.654987	.706563	.756659	.805392	.855095	.902908	.951884	1.000000
2 X	-004717	-005049	-004863	-004202	-003223	-002271	-001425	-000218	-000106	-000930	-000802
2 Y	.499485	.551563	.602588	.653332	.703494	.753812	.803005	.853086	.901904	.951124	1.000000
3 X	-099257	-092853	-092794	-093034	-093499	-094050	-094589	-094966	-095430	-095630	-094664
3 Y	.499389	.551558	.601928	.652196	.702296	.752290	.801970	.851472	.901130	.950574	1.000000
4 X	-199547	-193342	-193589	-193885	-194184	-194544	-194868	-195159	-195411	-195519	-195205
4 Y	.499387	.551892	.601638	.651480	.701437	.751364	.801078	.850872	.900630	.950312	1.000000
5 X	-299816	-297702	-298264	-298646	-298982	-299297	-299572	-299764	-300008	-300076	-299931
5 Y	.499655	.550937	.600868	.650785	.700716	.750663	.800523	.850360	.900309	.950144	1.000000
6 X	-399883	-398771	-399138	-399492	-399830	-400148	-400408	-400638	-400768	-400879	-400784
6 Y	.499317	.550141	.600085	.650066	.700074	.750058	.800010	.850033	.900000	.950006	1.000000
7 X	-499949	-501541	-502037	-502469	-502849	-503188	-503487	-503766	-503889	-503970	-503924
7 Y	.498717	.549233	.599256	.649284	.699350	.749432	.799498	.849632	.899761	.949871	1.000000
8 X	-599967	-600939	-601467	-601944	-602389	-602779	-603106	-603367	-603556	-603675	-603667
8 Y	.497773	.548244	.598314	.648429	.698578	.748764	.798973	.849211	.899465	.949731	1.000000
9 X	-699081	-701238	-701934	-702550	-703092	-703560	-703951	-704259	-704482	-704620	-704638
9 Y	.496482	.547044	.597187	.647386	.697632	.747974	.798330	.848720	.899135	.949565	1.000000
10 X	-799089	-798372	-799429	-800183	-800843	-801408	-801876	-802242	-802508	-802685	-802768
10 Y	.494783	.545805	.595784	.646143	.696570	.747056	.797587	.848157	.898758	.949373	1.000000
11 X	-899994	-897809	-898774	-899674	-900485	-901141	-901698	-902134	-902466	-902635	-902691
11 Y	.492641	.543627	.594066	.644617	.695245	.745940	.796687	.847478	.898301	.949146	1.000000
12 X	-999995	-998268	-999463	-1.000543	-1.001483	-1.002283	-1.002940	-1.003453	-1.003821	-1.004043	-1.004113
12 Y	.490010	.541290	.591975	.642771	.693652	.744603	.795613	.846669	.897760	.948874	1.000000
13 X	1.099998	1.098690	1.100070	1.101331	1.102624	1.103334	1.104118	1.104715	1.105143	1.105400	1.105384
13 Y	.486897	.538506	.589514	.640612	.691792	.743066	.794361	.845728	.897131	.948552	1.000000

TABELUL X (K, N) , Y (K, N)

K	1	2	3	4	5	6	7	8	9	10	11
14 X	1.199999	1.196472	1.197713	1.199158	1.200445	1.201480	1.202354	1.203037	1.203527	1.203821	1.203919
14 Y	.483147	.535621	.586813	.638212	.689722	.741314	.792971	.844680	.896431	.948209	1.000000
15 X	1.299999	1.301905	1.303779	1.305401	1.306812	1.308021	1.309020	1.309805	1.310370	1.310710	1.310823
15 Y	.478858	.531340	.583330	.635238	.687177	.739182	.791254	.843386	.895564	.947774	1.000000
16 X	1.400000	1.396694	1.398225	1.399891	1.401446	1.402806	1.403940	1.404834	1.405477	1.405865	1.405994
16 Y	.473964	.528222	.580285	.632411	.684673	.737052	.789527	.842078	.894686	.947334	1.000000
17 X	1.500000	1.505202	1.508298	1.510575	1.512489	1.514416	1.515458	1.516511	1.517268	1.517723	1.517875
17 Y	.468452	.523443	.575918	.628512	.681269	.734171	.787192	.840314	.893504	.946740	1.000000
18 X	1.600000	1.596686	1.598772	1.601102	1.603260	1.605426	1.606667	1.607871	1.608733	1.609252	1.609424
18 Y	.462306	.518568	.571722	.624797	.678036	.731447	.784998	.838657	.892396	.946185	1.000000
19 X	1.700000	1.707931	1.712226	1.715717	1.718420	1.720463	1.722482	1.723889	1.724892	1.725493	1.725693
19 Y	.455519	.512185	.565517	.619232	.673238	.727444	.781796	.836257	.890796	.945385	1.000000
20 X	1.800000	1.801525	1.803385	1.805853	1.808122	1.810303	1.812344	1.814787	1.816897	1.818640	1.819860
20 Y	.448088	.504198	.559073	.613887	.668776	.723777	.778880	.834084	.889351	.944664	1.000000
21 X	1.900000	1.905580	1.909861	1.913331	1.916697	1.919974	1.923154	1.926231	1.929461	1.932518	1.935428
21 Y	.440012	.496332	.551910	.607617	.663436	.719351	.775360	.831448	.887596	.943788	1.000000
22 X	2.000000	2.003295	2.007448	2.011368	2.014710	2.017554	2.019888	2.021707	2.023007	2.023788	2.024048
22 Y	.431296	.488448	.544948	.601523	.658200	.714984	.771864	.828825	.885848	.942913	1.000000
23 X	2.100000	2.097343	2.094199	2.090600	2.096222	2.092634	2.095145	2.0917087	2.095478	2.0919313	2.0919591
23 Y	.421950	.481070	.538067	.595390	.652897	.710543	.768300	.826147	.884060	.942019	1.000000
24 X	2.200000	2.206947	2.209971	2.214402	2.218258	2.221934	2.224222	2.226318	2.227818	2.228719	2.229019
24 Y	.411986	.471153	.529530	.587932	.646480	.705174	.763992	.822909	.881899	.940937	1.000000
25 X	2.300000	2.296704	2.291841	2.286562	2.291689	2.294485	2.297054	2.299289	2.320886	2.321866	2.322160
25 Y	.401422	.463203	.522006	.581242	.640712	.700352	.760125	.820004	.879960	.939967	1.000000
26 X	2.400000	2.405821	2.411775	2.416954	2.421423	2.425200	2.428290	2.430695	2.432413	2.433445	2.433788
26 Y	.390280	.451693	.512170	.572710	.633406	.694266	.755248	.816343	.877518	.938746	1.000000

TABELUL X (K, N) , Y (K, N)

K	1	2	3	4	5	6	7	8	9	10	11	
27	X	2.499999	2.499324	2.505173	2.510813	2.515537	2.519536	2.522810	2.525359	2.527181	2.528274	2.528638
	Y	.378384	.442267	.503524	.565113	.626896	.688824	.750906	.813084	.875344	.937658	1.000000
28	X	2.599999	2.606793	2.613374	2.619139	2.624146	2.628396	2.631883	2.634599	2.636541	2.637707	2.638094
	Y	.366362	.430129	.493064	.556003	.619083	.682394	.745882	.809163	.872728	.936350	1.000000
29	X	2.699999	2.701461	2.707852	2.713823	2.719092	2.723580	2.727262	2.730130	2.732179	2.733409	2.733818
	Y	.353649	.420089	.483853	.547809	.612002	.676389	.740932	.805596	.870369	.935160	1.000000
30	X	2.799998	2.811246	2.819236	2.825902	2.831609	2.836418	2.840325	2.843395	2.845572	2.846878	2.847312
	Y	.340679	.407422	.472279	.537604	.603234	.669075	.735080	.801207	.867423	.933697	1.000000
31	X	2.899998	2.906024	2.913043	2.920930	2.926946	2.931093	2.934615	2.937512	2.940590	2.942957	2.943640
	Y	.326892	.394923	.461676	.528493	.595488	.662646	.729950	.797365	.864865	.932418	1.000000
32	X	2.999997	3.010523	3.018927	3.026208	3.032474	3.037756	3.042059	3.045399	3.047781	3.049209	3.049682
	Y	.312932	.381707	.449821	.518171	.586690	.655350	.724130	.793010	.861964	.930970	1.000000
33	X	3.099995	3.108721	3.117245	3.124732	3.131193	3.136625	3.141098	3.144557	3.147024	3.148504	3.148993
	Y	.298641	.368818	.438539	.508379	.578336	.648410	.718590	.788861	.859202	.929589	1.000000
34	X	3.199993	3.209307	3.217934	3.225581	3.232202	3.237811	3.242402	3.245972	3.248528	3.250052	3.250557
	Y	.286073	.355731	.427006	.498312	.569718	.641233	.712853	.784561	.856336	.928157	1.000000
35	X	3.299990	3.307491	3.316093	3.323845	3.330635	3.336406	3.341184	3.344811	3.347441	3.349015	3.349532
	Y	.269276	.338280	.408568	.488490	.561262	.634173	.707201	.780323	.853510	.926744	1.000000
36	X	3.399988	3.397417	3.406708	3.414775	3.421797	3.427741	3.432605	3.436381	3.439078	3.440693	3.441223
	Y	.254302	.322423	.390543	.479300	.553344	.627367	.701914	.776360	.850870	.925423	1.000000
37	X	3.499979	3.510277	3.520572	3.528840	3.536174	3.542442	3.547363	3.551259	3.554033	3.555697	3.556237
	Y	.239212	.306344	.371878	.446744	.523253	.619175	.693221	.771346	.847533	.923757	1.000000
38	X	3.599971	3.602608	3.612479	3.621216	3.628727	3.635032	3.640160	3.644130	3.646963	3.648660	3.649206
	Y	.224062	.290772	.358661	.437758	.534992	.612342	.689778	.767280	.844823	.922404	1.000000
39	X	3.699958	3.711187	3.721459	3.730379	3.738028	3.744449	3.749662	3.753707	3.756579	3.758299	3.758849
	Y	.208910	.278533	.347394	.424280	.529240	.604267	.683339	.762477	.841636	.920813	1.000000

TABELUL X (R, N) , Y (R, N)

	K	1	2	3	4	5	6	7	8	9	10	11
40	X	3.790054	3.812305	3.822973	3.841547	3.839255	3.845730	3.850997	3.855070	3.859773	3.859708	3.860245
	Y	-.193831	.274702	.355214	.435743	.516292	.596857	.677451	.758073	.838705	.919350	1.000000
41	X	3.899902	3.910080	3.920304	3.929280	3.937004	3.943693	3.948774	3.952874	3.955780	3.957503	3.958057
	Y	-.178849	.261633	.343670	.425712	.507746	.589790	.671833	.753860	.835909	.917960	1.000000
42	X	3.999889	4.010045	4.020320	4.029276	4.036986	4.043661	4.048737	4.052824	4.055700	4.057462	4.057939
	Y	-.164089	.248479	.332076	.415625	.499167	.582696	.666169	.749636	.833116	.916553	1.000000
43	X	4.099819	4.110127	4.120354	4.129252	4.136907	4.143334	4.148379	4.152598	4.155907	4.157232	4.157672
	Y	-.149558	.235522	.320710	.405772	.490764	.575763	.660637	.745547	.830362	.915186	1.000000
44	X	4.199737	4.212227	4.222590	4.231050	4.238613	4.244985	4.250138	4.254943	4.257001	4.258682	4.259111
	Y	-.135353	.222715	.309460	.395995	.482481	.568886	.655179	.741429	.827639	.913834	1.000000
45	X	4.299680	4.307637	4.317390	4.326045	4.333476	4.339740	4.344833	4.348830	4.351611	4.353283	4.353585
	Y	-.121557	.211176	.299249	.387200	.474891	.562619	.650223	.737673	.825167	.912595	1.000000
46	X	4.399579	4.403669	4.413224	4.421692	4.429014	4.435171	4.440143	4.444047	4.446870	4.448503	4.448776
	Y	-.108206	.200260	.289440	.378556	.467561	.556536	.645436	.734105	.822732	.911383	1.000000
47	X	4.499468	4.503876	4.513384	4.521818	4.529028	4.535063	4.539946	4.543803	4.546664	4.548435	4.548304
	Y	-.095347	.188865	.279390	.369771	.460172	.550314	.640462	.730357	.820310	.910152	1.000000
48	X	4.599411	4.608252	4.617493	4.625855	4.632885	4.638730	4.643448	4.647158	4.649718	4.651429	4.651516
	Y	.083689	.177146	.269210	.361019	.452786	.544282	.635669	.726798	.817951	.908946	1.000000
49	X	4.699023	4.707318	4.716433	4.724203	4.730867	4.736431	4.741140	4.744795	4.747340	4.748779	4.748677
	Y	.071931	.166602	.260133	.353324	.445921	.538870	.631195	.723397	.815658	.907872	1.000000
50	X	4.798211	4.806802	4.815201	4.822787	4.829176	4.834646	4.839035	4.842464	4.845040	4.846633	4.846627
	Y	.060548	.156780	.251366	.345786	.439549	.533336	.627025	.720382	.813556	.906820	1.000000
51	X	4.897029	4.904600	4.912414	4.919657	4.925832	4.931049	4.935321	4.938657	4.940942	4.942354	4.942039
	Y	.050322	.147716	.243468	.338723	.433773	.528247	.622907	.717294	.811649	.905843	1.000000
52	X	4.996502	5.002899	5.010717	5.017280	5.023200	5.028227	5.032382	5.035721	5.037596	5.039257	5.038673
	Y	.041068	.139011	.235878	.331890	.427721	.524102	.619090	.714274	.809877	.904858	1.000000

TABELUL X (K, N) , Y (K, N)

**	K	1	2	3	4	5	6	7	8	9	10	11
53	X	5.094948	5.099968	5.106014	5.113380	5.118934	5.123677	5.127633	5.130558	5.133325	5.134451	5.133080
	Y	.032597	.131546	.228966	.326178	.422966	.519178	.615566	.711997	.807643	.904007	1.000000
54	X	5.194436	5.199875	5.205849	5.211362	5.217244	5.221901	5.225578	5.229267	5.231608	5.232602	5.230654
	Y	.025184	.124682	.222457	.319328	.417548	.514754	.612492	.708456	.805639	.903015	1.000000
55	X	5.290360	5.297685	5.302898	5.307920	5.313415	5.317968	5.324589	5.325474	5.326712	5.329006	5.326530
	Y	.018515	.118783	.217000	.314363	.412815	.510742	.609185	.705613	.804531	.901948	1.000000
56	X	5.388857	5.394507	5.398573	5.403305	5.409093	5.414056	5.418064	5.420643	5.423770	5.425327	5.423394
	Y	.013053	.113249	.211108	.308226	.406897	.506225	.604826	.704366	.802183	.901040	1.000000
57	X	5.481907	5.487362	5.493003	5.497805	5.503758	5.507950	5.511572	5.515238	5.517495	5.521713	5.514259
	Y	.008447	.107913	.207392	.304602	.405287	.505574	.603256	.701308	.801087	.899504	1.000000
58	X	5.580529	5.585088	5.590477	5.593197	5.600267	5.605453	5.610249	5.613497	5.618078	5.621136	5.613501
	Y	.005037	.103725	.202310	.297451	.397953	.496450	.597382	.695690	.797382	.898236	1.000000
59	X	5.673374	5.672254	5.681409	5.684600	5.693227	5.698973	5.705498	5.708252	5.712926	5.717785	5.707671
	Y	.002521	.098549	.197177	.291395	.393622	.490161	.589272	.694928	.795159	.896570	1.000000
60	X	5.758864	5.762890	5.770940	5.776107	5.780889	5.785138	5.794111	5.798712	5.803256	5.808986	5.790663
	Y	.000924	.096678	.194705	.291773	.386360	.486970	.590205	.692035	.793512	.895475	1.000000
61	X	5.850465	5.845460	5.855458	5.867457	5.874239	5.881870	5.889067	5.898937	5.902723	5.905201	5.884500
	Y	.000170	.091671	.186511	.286649	.383487	.482516	.584006	.680876	.788174	.894161	1.000000
62	X	6.004596	5.967427	5.927413	5.989762	5.993853	6.006486	6.016952	6.031670	6.033422	6.042907	6.004597
	Y	.000000	.089518	.182844	.281485	.368899	.474146	.569492	.666307	.782489	.889097	1.000000

TABELUL X (K, N) , Y (K, N)

**	K	1	2	3	4	5	6	7	8	9	10	11
53	X	5-094948	5-099968	5-106914	5-113380	5-118934	5-123677	5-127633	5-130558	5-133325	5-134951	5-133020
	Y	.032597	.131546	.228966	.326178	.422966	.519178	.615566	.711997	.807643	.904007	1.000000
54	X	5-194436	5-199875	5-205849	5-211362	5-217244	5-221901	5-225578	5-229267	5-231608	5-232402	5-230654
	Y	.025184	.124682	.222457	.319328	.417548	.516754	.612492	.708456	.805639	.903015	1.000000
55	X	5-290340	5-297685	5-302898	5-307920	5-313415	5-317968	5-324589	5-325474	5-326712	5-329006	5-326530
	Y	.018515	.118783	.217000	.314363	.412815	.510742	.609185	.705613	.804531	.901948	1.000000
56	X	5-388857	5-394507	5-398573	5-403305	5-409093	5-414056	5-418064	5-420643	5-423770	5-425327	5-423398
	Y	.013053	.113249	.211108	.308226	.406897	.506225	.604826	.704366	.802185	.901040	1.000000
57	X	5-484907	5-487362	5-493903	5-497805	5-503758	5-507950	5-514572	5-515238	5-517495	5-521713	5-514257
	Y	.008447	.107913	.207392	.304602	.405287	.505574	.603256	.701308	.801087	.899504	1.000000
58	X	5-580529	5-585088	5-590477	5-593197	5-600267	5-605453	5-610249	5-615497	5-618075	5-621136	5-613501
	Y	.005037	.103725	.202310	.297451	.397953	.496450	.597582	.695690	.797382	.898236	1.000000
59	X	5-673374	5-672254	5-681409	5-684600	5-693227	5-698973	5-703498	5-708252	5-712926	5-717785	5-707671
	Y	.002521	.098549	.197177	.291595	.393622	.490161	.589272	.694928	.795159	.896570	1.000000
60	X	5-758864	5-762890	5-770940	5-776107	5-780889	5-788338	5-794141	5-798712	5-803256	5-808986	5-790663
	Y	.000924	.096678	.194705	.291773	.386360	.486970	.590205	.692035	.793512	.895475	1.000000
61	X	5-850465	5-845460	5-855598	5-867457	5-874239	5-884870	5-889067	5-898937	5-902723	5-905201	5-884500
	Y	.000170	.091671	.186511	.286649	.383487	.482516	.584006	.680876	.788174	.894161	1.000000
62	X	6-004496	5-967127	5-977513	5-989762	5-993853	6-006486	6-016952	6-031670	6-033422	6-042907	6-004597
	Y	.000000	.089518	.182844	.281485	.368899	.474146	.569492	.666307	.782489	.889097	1.000000

TABELUL V_X(K, N) , V_Y(K, N)

N	K	1	2	3	4	5	6	7	8	9	10
1	V _X	.9478127	.9606285	.9908323	.9688874	.9965729	1.0249007	1.0045137	1.0457191	1.0195209	1.0338521
	V _Y	.0562318	-.0094644	-.0430876	-.0233102	-.0387009	-.0333950	-.0382716	-.0044852	-.0376287	.0741087
2	V _X	.9641854	.9798959	.9851792	.9943800	.9933281	1.0164453	.9977892	1.0241658	1.0155655	1.0217172
	V _Y	.0611615	-.0039445	-.0124395	-.0194533	-.0187868	-.0174804	-.0246399	-.0067998	-.0170112	.0362149
3	V _X	.9441980	.9926595	.9946647	.9979053	1.0000057	1.0063495	1.0100026	1.0068053	1.0112336	1.0112193
	V _Y	.1159167	.0011507	-.0047429	-.0092599	-.0116348	-.0109115	-.0074995	-.0093983	-.0040915	.0197690
4	V _X	.9391644	1.0050879	1.0031390	1.0008137	1.0014242	1.0056927	1.0041079	1.0048413	1.0063960	1.0062397
	V _Y	.1109946	-.0049840	-.0059697	-.0059918	-.0072037	-.0065589	-.0058817	-.0050819	-.0021846	.0063644
5	V _X	.9743487	1.0012454	1.0016140	1.0013310	1.0010272	1.0027718	1.0032554	1.0010020	1.0033115	1.0028745
	V _Y	.0401133	-.0113091	-.0076151	-.0067393	-.0063126	-.0055366	-.0038634	-.0048926	-.0013713	.0024264
6	V _X	.9833244	1.0010730	1.0003137	.9998096	1.0002784	1.0009344	.9995125	1.0006482	.9998887	1.0001048
	V _Y	.0215040	-.0073608	-.0070759	-.0067522	-.0063765	-.0052145	-.0045962	-.0028027	-.0022151	.0014071
7	V _X	.9887644	.9994339	.9993847	.9984117	.9983138	.9986616	.9972924	.9974186	.9977963	.9974338
	V _Y	-.0317437	-.0098970	-.0086418	-.0075676	-.0067733	-.0055661	-.0047506	-.0036460	-.0015952	.0009124
8	V _X	.9903144	.9984784	.9976114	.9949510	.9962351	.9958024	.9952282	.9949478	.9946928	.9946502
	V _Y	-.0190468	-.0105310	-.0095038	-.0088335	-.0077477	-.0064915	-.0051716	-.0037297	-.0023594	.0001134
9	V _X	.9882844	.9969491	.9958842	.9946039	.9935069	.9928693	.9922178	.9917672	.9914651	.9913672
	V _Y	-.0245629	-.0138262	-.0122309	-.0107294	-.0092429	-.0076987	-.0060643	-.0043834	-.0027112	-.0003568
10	V _X	.9850054	.9941556	.9926524	.9913547	.9902966	.9894048	.9886840	.9880962	.9878294	.9876218
	V _Y	.0275211	-.0169458	-.0148608	-.0129742	-.0110902	-.0091504	-.0071549	-.0052018	-.0030510	-.0008436
11	V _X	.9788580	.9909345	.9887863	.9873569	.9861116	.9851630	.9843503	.9837754	.9833756	.9831996
	V _Y	.0419553	-.0190008	-.0175636	-.0154371	-.0131436	-.0108099	-.0084453	-.0060455	-.0036621	-.0010691
12	V _X	.9759344	.9859435	.9838934	.9823474	.9810828	.9800483	.9792153	.9785945	.9781812	.9779726
	V _Y	.0327942	-.0232287	-.0209253	-.0181486	-.0153985	-.0126316	-.0098465	-.0070462	-.0042362	-.0013529
13	V _X	.9674512	.9795123	.9779272	.9764840	.9752170	.9741538	.9732666	.9726375	.9722037	.9719874
	V _Y	.0245031	-.0266697	-.0239576	-.0208521	-.0177022	-.0145097	-.0113148	-.0080878	-.0048586	-.0015834

TABELUL VX(K, N) , VY(K, N)

N	K	1	2	3	4	5	6	7	8	9	10
14	VX	.9478088	.9758370	.9720184	.9760977	.9687377	.9676494	.9667855	.9660894	.9656345	.9654075
	VY	-.0691243	-.0293803	-.0273287	-.0236569	-.0199979	-.0163818	-.0127880	-.0091414	-.0054968	-.0018130
15	VX	.9514488	.9604704	.9623090	.9649436	.9609374	.9598547	.9588942	.9581404	.9576287	.9573715
	VY	-.0345434	-.0346180	-.0300764	-.0261406	-.0223265	-.0184292	-.0144340	-.0103640	-.0062406	-.0020689
16	VX	.9481244	.9595451	.9582294	.9588694	.9549389	.9533078	.9514797	.9502717	.9496473	.9493654
	VY	.0559374	-.0282100	-.0306396	-.0284378	-.0247709	-.0205855	-.0161662	-.0116190	-.0069974	-.0023323
17	VX	.9411740	.9495296	.9488910	.9484919	.9442507	.9423794	.9409428	.9398371	.9391338	.9387861
	VY	-.0832444	-.0560363	-.0410647	-.0343470	-.0290315	-.0238683	-.0186490	-.0133647	-.0080349	-.0026777
18	VX	.8856244	.9392130	.9402614	.9376079	.9330061	.9329159	.9313313	.9301961	.9292621	.9291024
	VY	.0521661	-.0368693	-.0412776	-.0379963	-.0326706	-.0268449	-.0208985	-.0149262	-.0089546	-.0029822
19	VX	.8444198	.9308977	.9273694	.9245009	.9208278	.9189803	.9174896	.9164707	.9158147	.9154916
	VY	-.1211280	-.0784526	-.0568222	-.0462298	-.0381032	-.0307447	-.0237122	-.0168471	-.0100763	-.0033524
20	VX	.8904407	.9066745	.9085458	.9082641	.9072288	.9060990	.9051078	.9043377	.9038154	.9033527
	VY	-.0242051	-.0637717	-.0574821	-.0491347	-.0409161	-.0330722	-.0255055	-.0181160	-.0108324	-.0036034
21	VX	.8791550	.8943314	.8936621	.8939119	.8921400	.8913823	.8908522	.8900734	.8896727	.8894665
	VY	-.0870990	-.0688927	-.0588741	-.0506500	-.0426374	-.0347580	-.0269323	-.0191829	-.0114880	-.0038250
22	VX	.8719360	.8799691	.8797834	.8791274	.8783263	.8775848	.8770021	.8763835	.8760267	.8758446
	VY	-.0502672	-.0662466	-.0593988	-.0518488	-.0439875	-.0360098	-.0279978	-.0199865	-.0119862	-.0039921
23	VX	.8242754	.8719259	.8678851	.8681296	.8649740	.8640828	.8633824	.8628580	.8625073	.8623313
	VY	.0350809	-.0680443	-.0616086	-.0536453	-.0454917	-.0372624	-.0289951	-.0207128	-.0124274	-.0041399
24	VX	.8492036	.8502083	.8512324	.8513097	.8492267	.8483061	.8479889	.8470593	.8467068	.8463333
	VY	-.0704676	-.0734693	-.0643874	-.0559995	-.0473966	-.0387774	-.0301549	-.0215341	-.0129186	-.0043027
25	VX	.8670185	.8438536	.8387534	.8387439	.8352899	.8343450	.8338633	.8333532	.8330193	.8328538
	VY	.0430498	-.0737203	-.0668401	-.0580170	-.0490281	-.0400572	-.0311188	-.0222084	-.0133183	-.0044363
26	VX	.8689048	.8487213	.8200049	.8193366	.8184818	.8177449	.8171346	.8166873	.8163903	.8162423
	VY	-.0764814	-.0803603	-.0701961	-.0603268	-.0507976	-.0414332	-.0321612	-.0229417	-.0137530	-.0045784

TABELUL VX(K,N) , VY(K,N)
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PAG 1 3

	K	1	2	3	4	5	6	7	8	9	10
27	VX	-7890469	-8083481	-8055444	-8045910	-8038976	-8032925	-8027858	-8023993	-8021357	-8020052
	VY	-0083216	-00798169	-00711536	-00645149	-00549048	-00423751	-00329041	-00234792	-00140733	-00046819
28	VX	-7753119	-7858700	-7877889	-7877061	-7871948	-7866607	-7862019	-7858605	-7856299	-7855150
	VY	-0825984	-0821786	-0721578	-0625264	-0529186	-0432832	-0336342	-0240091	-0143966	-0047837
29	VX	-7521953	-7763427	-7750278	-7746939	-7727934	-7721633	-7717106	-7713973	-7711936	-7710971
	VY	-0463515	-0778138	-0723535	-0635103	-0538664	-0440516	-0342196	-0244173	-0146313	-0048697
30	VX	-7264034	-7593964	-7575140	-7561587	-7553488	-7548504	-7545114	-7542894	-7541503	-7540809
	VY	-1220480	-0935512	-0773071	-0657568	-0531639	-0449092	-0348004	-0247990	-0148619	-0049378
31	VX	-7292384	-7386430	-7402157	-7403918	-7402865	-7401313	-7400073	-7399016	-7398475	-7398140
	VY	-0646009	-0876213	-0774094	-0664181	-0557215	-0453060	-0350915	-0249752	-0149714	-0049577
32	VX	-7403694	-7230526	-7233252	-7246597	-7239558	-7241183	-7242009	-7242684	-7242737	-7242830
	VY	-1087230	-0892066	-0770611	-0664926	-0556583	-0453196	-0351162	-0250172	-0149877	-0049640
33	VX	-7016440	-7063831	-7077865	-7086825	-7092341	-7095961	-7098130	-7099513	-7100430	-7100820
	VY	-0872486	-0863832	-0758813	-0654490	-0551782	-0450261	-0349376	-0249025	-0149333	-0049264
34	VX	-6899814	-6945201	-6932673	-6942538	-6948847	-6952734	-6955661	-6957655	-6958613	-6959247
	VY	-0894378	-0839213	-0741554	-0643666	-0545001	-0445711	-0346314	-0247252	-0148128	-0048941
35	VX	-6687644	-6792835	-6807372	-6814448	-6815025	-6818106	-6820643	-6823035	-6824232	-6825055
	VY	-0677864	-0804932	-0726681	-0633567	-0539361	-0441463	-0342988	-0245223	-0146671	-0048160
36	VX	-6995234	-6738637	-6698897	-6692563	-6693544	-6696582	-6699053	-6701689	-6703334	-6704297
	VY	-0177474	-0819443	-0732616	-0634706	-0536096	-0438033	-0339814	-0242562	-0145196	-0047862
37	VX	-6488827	-6503650	-6530184	-6546919	-6542493	-6546490	-6550934	-6554188	-6556500	-6557659
	VY	-0830388	-0860828	-0740107	-0632701	-0531455	-0432342	-0333223	-0238671	-0143104	-0046440
38	VX	-6945848	-6397464	-6403109	-6413220	-6421401	-6428780	-6434521	-6439282	-6444959	-6443336
	VY	-0207245	-0821335	-0725664	-0623639	-0523455	-0425749	-0329574	-0235272	-0140926	-0045160
39	VX	-6455494	-6236211	-6258214	-6273660	-6285488	-6294394	-6303486	-6308091	-6311980	-6313882
	VY	-0867862	-0812492	-0707711	-0607707	-0510647	-0414923	-0322222	-0228659	-0137129	-0043883

TABELUL VX (K, N) , VY (K, N)

N	K	1	2	3	4	5	6	7	8	9	10
40	VX	.6041745	.6110872	.6132800	.6151069	.6166308	.6177585	.6186003	.6192976	.6197100	.6199373
	VY	-.0922777	-.0779294	-.0683437	-.0588621	-.0493575	-.0403742	-.0312502	-.0223006	-.0133278	-.0041302
41	VX	.5949860	.6001626	.6022328	.6041511	.6056366	.6069241	.6080315	.6086285	.6091146	.6094286
	VY	-.0731552	-.0747934	-.0658907	-.0568812	-.0479177	-.0390498	-.0303931	-.0215540	-.0127852	-.0041195
42	VX	.5840304	.5892001	.5916334	.5944462	.5950209	.5966150	.5978041	.5982392	.5989811	.5991660
	VY	-.0702816	-.0724195	-.0634280	-.0547664	-.0464231	-.0377122	-.0292634	-.0206080	-.0126457	-.0034291
43	VX	.5743945	.5785962	.5814424	.5845563	.5848983	.5868468	.5875278	.5888200	.5892134	.5895112
	VY	-.0687551	-.0694674	-.0608166	-.0525584	-.0442319	-.0362632	-.0278069	-.0201965	-.0119806	-.0030591
44	VX	.5648674	.5687518	.5719407	.5747379	.5755585	.5773487	.5784620	.5793431	.5798626	.5802581
	VY	-.0801844	-.0659800	-.0578995	-.0501818	-.0422980	-.0346134	-.0268730	-.0191921	-.0113088	-.0028875
45	VX	.5545547	.5608334	.5630481	.5661159	.5670466	.5688334	.5705662	.5708912	.5716860	.5720446
	VY	-.0491478	-.0621024	-.0554077	-.0479767	-.0405233	-.0330351	-.0260741	-.0181462	-.0109338	-.0019738
46	VX	.5420912	.5543003	.5560490	.5579889	.5591319	.5608042	.5628024	.5633924	.5638133	.5642223
	VY	-.0240902	-.0593853	-.0528394	-.0459009	-.0386834	-.0313741	-.0247816	-.0179516	-.0103841	-.0017360
47	VX	.5346034	.5461824	.5485471	.5495980	.5522060	.5530203	.5551819	.5553573	.5563416	.5564930
	VY	-.0258240	-.0579657	-.0503817	-.0438367	-.0369725	-.0299513	-.0238188	-.0164313	-.0103503	-.0010421
48	VX	.5266184	.5374501	.5403358	.5446804	.5442495	.5456743	.5477609	.5480961	.5492878	.5491238
	VY	-.0511761	-.0551158	-.0480384	-.0414940	-.0347689	-.0281711	-.0223025	-.0153899	-.0103317	-.0003215
49	VX	.5149498	.5296627	.5327344	.5374913	.5359359	.5402197	.5444405	.5415272	.5420870	.5427198
	VY	-.0459424	-.0510515	-.0449917	-.0386380	-.0326595	-.0269677	-.0214623	-.0149352	-.0084596	.0003950
50	VX	.5154688	.5244850	.5261480	.5307979	.5313135	.5325133	.5348565	.5362197	.5359917	.5365882
	VY	-.0460171	-.0465730	-.0422697	-.0361687	-.0309873	-.0249489	-.0196443	-.0148253	-.0080053	.0023365
51	VX	.5102960	.5185520	.5220508	.5248260	.5276414	.5271282	.5290782	.5296006	.5307008	.5310211
	VY	-.0396673	-.0433994	-.0385989	-.0340325	-.0291350	-.0237875	-.0187024	-.0128245	-.0079564	.0017737
52	VX	.5083328	.5128327	.5183422	.5197688	.5173656	.5253769	.5246566	.5227953	.5262583	.5255108
	VY	-.0332019	-.0413904	-.0354280	-.0321108	-.0269852	-.0229820	-.0184007	-.0102542	-.0092043	.0032267

TABELUL VX (K, N) , VY (K, N)

**	** K	1	2	3	4	5	6	7	8	9	10
N	**										
40	VX	-6041749	-6110872	-6132809	-61541069	-6166308	-6177585	-6186003	-6192976	-6197100	-6199373
	VY	-.0922777	-.0779294	-.0683437	-.0588621	-.0495575	-.0403742	-.0312502	-.0223008	-.0133278	-.0041302
41	VX	-5949860	-6001646	-6022328	-6044511	-6056366	-6069244	-6080345	-6086285	-6091446	-6094286
	VY	-.0731559	-.0747934	-.0658907	-.0568812	-.0479177	-.0390498	-.0303931	-.0215540	-.0127892	-.0041195
42	VX	-5840304	-5892001	-5916534	-5944462	-5950209	-5966150	-5978044	-5982392	-5989811	-5991660
	VY	-.0702816	-.0724195	-.0634280	-.0547664	-.0461231	-.0377122	-.0292634	-.0206080	-.0126457	-.0034291
43	VX	-5733944	-5785962	-5814424	-5845563	-5848983	-5868468	-5875478	-5888200	-5892134	-5895112
	VY	-.0687551	-.0694674	-.0608166	-.0525584	-.0442319	-.0362632	-.0278069	-.0201965	-.0119806	-.0030591
44	VX	-5608674	-5687518	-5719407	-5747379	-5755585	-5773287	-5784629	-5793431	-5798626	-5802581
	VY	-.0801844	-.0659800	-.0578995	-.0501818	-.0422980	-.0346134	-.0268730	-.0191921	-.0113088	-.0028875
45	VX	-5545547	-5608334	-5630481	-5661159	-5670466	-5688338	-5705662	-5708912	-5716860	-5720446
	VY	-.0491478	-.0621024	-.0554077	-.0479767	-.0405233	-.0330351	-.0260741	-.0181462	-.0109338	-.0019738
46	VX	-5420910	-5543003	-5560490	-5579889	-5591510	-5608649	-5628024	-5633924	-5638433	-5642223
	VY	-.0240902	-.0593853	-.0528394	-.0459009	-.0386834	-.0313741	-.0247816	-.0179316	-.0103841	-.0017380
47	VX	-5336034	-5461824	-5485474	-5495980	-5522060	-5530203	-5551819	-5553573	-5563416	-5564930
	VY	-.0258240	-.0579657	-.0505817	-.0438367	-.0369723	-.0299513	-.0238188	-.0164313	-.0103503	-.0018421
48	VX	-5266184	-5374501	-5403358	-5446804	-5442495	-5456744	-5477609	-5480961	-5492878	-5491238
	VY	-.0511761	-.0551158	-.0480384	-.0414940	-.0347689	-.0281711	-.0223025	-.0153899	-.0103317	-.0003215
49	VX	-5149498	-5296627	-5327344	-5374913	-5359359	-5402197	-5444405	-5415272	-5420870	-5427198
	VY	-.0499424	-.0510515	-.0449917	-.0386380	-.0326595	-.0269677	-.0214623	-.0149352	-.0084596	-.0003950
50	VX	-5144688	-5244850	-5261480	-5307979	-5313135	-5325133	-5348565	-5362197	-5359917	-5365882
	VY	-.0460171	-.0465730	-.0422697	-.0361687	-.0309873	-.0249489	-.0196443	-.0148253	-.0080053	-.0023365
51	VX	-5102960	-5185520	-5220508	-5238260	-5276414	-5271282	-5290782	-5296006	-5307008	-5310211
	VY	-.0396673	-.0433994	-.0385989	-.0340325	-.0291350	-.0237875	-.0187024	-.0128245	-.0079564	-.0017737
52	VX	-5083328	-5128327	-5183423	-5197688	-5173656	-5253769	-5246566	-5227953	-5262583	-5255108
	VY	-.0332019	-.0413904	-.0354280	-.0321108	-.0269852	-.0229820	-.0184007	-.0102542	-.0092043	-.0032267

TABELUL VX (K, N) ; VY (K, N)

**	** K	1	2	3	4	5	6	7	8	9	10
53	VX	.5040145	.5106458	.5120726	.5148981	.5184266	.5178646	.5180238	.5223288	.5188272	.5207975
	VY	-.0255702	-.0364084	-.0340614	-.0295434	-.0255564	-.0212595	-.0157124	-.0151087	-.0044476	.0061362
54	VX	.5010253	.5094774	.5144834	.5072399	.5131926	.5108516	.5202586	.5141931	.5134391	.5153783
	VY	-.0273855	-.0311309	-.0292814	-.0303733	-.0245907	-.0192156	-.0199993	-.0123849	-.0041874	.0092853
55	VX	.4960004	.5076496	.5121754	.5062862	.5094852	.5072193	.5176844	.5053881	.5129722	.5096098
	VY	-.0363315	-.0269456	-.0264184	-.0282565	-.0236914	-.0186535	-.0208424	-.0063423	-.0120807	.0128705
56	VX	.4974383	.5100601	.5136190	.5049947	.5021302	.5062612	.5019738	.5106251	.5056664	.5050610
	VY	-.0280513	-.0211925	-.0250273	-.0296194	-.0250882	-.0205828	-.0130049	-.0163234	-.0079629	.0098437
57	VX	.5011773	.5004542	.5135216	.4948706	.4976993	.5111597	.5092257	.5009132	.5069732	.4948100
	VY	-.0274889	-.0329066	-.0206102	-.0292618	-.0208042	-.0189502	-.0190390	-.0098247	-.0232741	.0367021
58	VX	.5055701	.5056669	.5251060	.4950523	.5061149	.4933868	.5081851	.4913637	.4953108	.4883838
	VY	-.0233555	-.0276419	-.0150122	-.0348238	-.0276758	-.0224234	-.0271802	-.0124559	-.0150349	.0366573
59	VX	.5206094	.5026263	.5289524	.4845875	.5160968	.5023099	.4729126	.4977652	.4919145	.4788387
	VY	.0060701	-.0466560	-.0178792	-.0411402	-.0307218	-.0330657	-.0123286	-.0232121	-.0235707	.0468238
60	VX	.5212492	.5066474	.5136477	.5272650	.4942579	.4828230	.4900151	.4917345	.4888304	.4640936
	VY	-.0219203	-.0416061	-.0273384	-.0266560	-.0365977	-.0270002	-.0221382	-.0220215	-.0274708	.0813574
61	VX	.5447461	.5212900	.4923595	.5138056	.5019244	.4901928	.5108527	.4654134	.4714956	.4550114
	VY	.0303925	-.0555024	-.0585089	-.0359835	-.0386794	-.0347606	-.0520483	-.0164222	-.0110226	.0889932
62	VX	.4752770	.5292050	.4991931	.5707383	.4686363	.5177982	.5047907	.4302636	.4653251	.4027796
	VY	-.1989354	-.0588972	-.0619844	-.0267166	-.0549132	-.0585071	-.0767001	-.0064904	-.0413999	.1391368

TABELUL VX (K, N) , VY (K, N)

PAG 5

**	K	1	2	3	4	5	6	7	8	9	10
53	VX	.5040145	.5106458	.5120724	.5148981	.5184266	.5178644	.5180238	.5223288	.5188272	.5207975
	VY	-.0255702	-.0364084	-.0340614	-.0295434	-.0255564	-.0212595	-.0157124	-.0151087	-.0044476	.0061362
54	VX	.5010253	.5094774	.5144834	.5072399	.5131926	.5108514	.5202586	.5141931	.5134391	.5153783
	VY	-.0273855	-.0311309	-.0292814	-.0303733	-.0245907	-.0192156	-.0199993	-.0123849	-.0041874	.0092853
55	VX	.4960004	.5076496	.5121754	.5042862	.5094852	.5072193	.5176844	.5053881	.5129722	.5096098
	VY	-.0363315	-.0269456	-.0264184	-.0282565	-.0236914	-.0186535	-.0208424	-.0063423	-.0120807	.0128705
56	VX	.4974383	.5100601	.5136190	.5049947	.5021302	.5062612	.5019738	.5106251	.5056664	.5050610
	VY	-.0280513	-.0211925	-.0250273	-.0296194	-.0250882	-.0205828	-.0130049	-.0163234	-.0079629	.0098437
57	VX	.5011773	.5004542	.5135214	.4948706	.4976993	.5111597	.5092257	.5009132	.5069732	.4948100
	VY	-.0274889	-.0329066	-.0206102	-.0292618	-.0208042	-.0189502	-.0190390	-.0098247	-.0232741	.0367021
58	VX	.5055704	.5056669	.5251060	.4950523	.5061149	.4933868	.5081851	.4913637	.4953108	.4885838
	VY	-.0233555	-.0276419	-.0150122	-.0348238	-.0276758	-.0224234	-.0271802	-.0124559	-.0150349	.0366573
59	VX	.5206094	.5026263	.5289524	.4845875	.5160968	.5023099	.4729126	.4977652	.4919145	.4788387
	VY	.0060701	-.0466560	-.0178792	-.0411402	-.0307218	-.0330657	-.0123286	-.0232121	-.0235707	.0468238
60	VX	.5212492	.5066474	.5136477	.5272650	.4942579	.4828230	.4900151	.4917345	.4888304	.4640936
	VY	-.0219203	-.0416061	-.0273384	-.0266560	-.0365977	-.0270002	-.0221382	-.0220215	-.0274708	.0813574
61	VX	.5447464	.5212900	.4923595	.5138056	.5019244	.4901928	.5108527	.4654134	.4714956	.4550119
	VY	.0303925	-.0555024	-.0585089	-.0359835	-.0386794	-.0347606	-.0520483	-.0164222	-.0110226	.0884932
62	VX	.4752770	.5292050	.4991931	.5707383	.4686363	.5177982	.5047907	.4302636	.4653251	.4027796
	VY	-.1989354	-.0588972	-.0619844	-.0267166	-.0549132	-.0585071	-.0767001	-.0064904	-.0413999	.1391368

TABELUL VITEZELOR ABSOLUTE

N	1	2	3	4	5	6	7	8	9	10
1	.9494794	.9606752	.9917687	.9691678	.9973260	1.0254541	1.0052425	1.0457287	1.0202151	1.0365040
2	.9581391	.9799039	.9852578	.9965698	.9935058	1.0162656	.9980787	1.0241884	1.0157080	1.0223580
3	.9542877	.9926601	.9946560	.9979482	1.0000666	1.0063747	1.0100320	1.0068492	1.0112619	1.0114123
4	.9457006	1.0051002	1.0031568	1.0008316	1.0014501	1.0057141	1.0041252	1.0048542	1.0063984	1.0062598
5	.9741749	1.0013093	1.0016430	1.0013537	1.0010471	1.0027821	1.0032628	1.0010140	1.0033124	1.0028780
6	.9835597	1.0011001	1.0003387	.9998324	1.0002987	1.0009479	.9995231	1.0006546	.9998912	1.0001081
7	.9892741	.9996829	.9994221	.9986404	.9983368	.9986771	.9973034	.9974252	.9977976	.9974342
8	.9904976	.9985339	.9976567	.9969901	.9962653	.9958235	.9952416	.9949548	.9946956	.9946504
9	.9885897	.9970450	.9959593	.9946617	.9938499	.9928992	.9922363	.9917769	.9914688	.9913675
10	.9853895	.9943000	.9927638	.9914396	.9903187	.9894471	.9887099	.9881099	.9878341	.9876222
11	.9797867	.9811166	.9889423	.9874776	.9861992	.9852223	.9843865	.9837940	.9833824	.9832004
12	.9744860	.9862171	.9841161	.9825150	.9812037	.9804297	.9792648	.9786199	.9781904	.9779783
13	.9677605	.9798753	.9782206	.9767066	.9753777	.9742618	.9733303	.9726711	.9722158	.9719887
14	.9503261	.9762792	.9724022	.9703861	.9689461	.9677880	.9668498	.9661327	.9656502	.9654092
15	.9520957	.9610940	.9627789	.9622987	.9611968	.9600316	.9590028	.9581965	.9576490	.9573737
16	.9498269	.9599597	.9587191	.9562923	.9542614	.9526201	.9513171	.9503428	.9496933	.9493683
17	.9051976	.9511817	.9497801	.9471149	.9446969	.9426813	.9410974	.9399321	.9391682	.9387897
18	.8871597	.9399364	.9411672	.9383775	.9355767	.9333020	.9315660	.9303158	.9295053	.9291072
19	.8738552	.9341977	.9291087	.9246878	.9216158	.9196143	.9177890	.9166255	.9158702	.9154978
20	.8907694	.9089144	.9103622	.9095922	.9081510	.9067024	.9054671	.9045191	.9038804	.9035597

TABELUL VITEZELOR ABSOLUTE

K * N	1	2	3	4	5	6	7	8	9	10
21	.8844590	.8969809	.8955994	.8924473	.8934593	.8920395	.8940594	.8902824	.8897469	.8894747
22	.8734037	.8824592	.8847863	.8806550	.8794270	.8783007	.8773489	.8766113	.8761087	.8758537
23	.8456040	.8745769	.8700690	.8677894	.8664695	.8648858	.8638694	.8631066	.8625968	.8623412
24	.8424323	.8533310	.8536792	.8524548	.8503483	.8494924	.8484222	.8473292	.8468054	.8463443
25	.8084658	.8470676	.8444426	.8387328	.8369272	.8355298	.8344438	.8336494	.8331260	.8328650
26	.8405242	.8224793	.8230040	.8245543	.8200566	.8487840	.8477673	.8470097	.8465061	.8462593
27	.7850910	.8422791	.8086807	.8069394	.8055743	.8044094	.8034598	.8027428	.8022594	.8020189
28	.7796993	.7901350	.7910866	.7904838	.7889684	.7878506	.7869240	.7862271	.7857617	.7855290
29	.7923773	.7802326	.7783978	.7762962	.7746682	.7734488	.7724689	.7717837	.7713324	.7711123
30	.7363868	.7654368	.7644485	.7590425	.7573664	.7564849	.7553435	.7546966	.7542967	.7540971
31	.7320942	.7438248	.7442523	.7433048	.7423806	.7413467	.7408389	.7403230	.7399990	.7398307
32	.7486446	.7289347	.7274485	.7266807	.7260922	.7255351	.7250348	.7246804	.7244287	.7243000
33	.7076449	.7148439	.7148429	.7146982	.71413773	.71410232	.7106723	.7103879	.7102001	.7100991
34	.6947487	.6963937	.6972222	.6972343	.6970496	.6967003	.6964677	.6964847	.6960490	.6959449
35	.6724989	.6840360	.6846048	.6844035	.6836399	.6832383	.6829264	.6827440	.6825808	.6823223
36	.6397695	.6788278	.6738838	.6722595	.6714948	.6710894	.6707668	.6706078	.6704906	.6704468
37	.6425345	.6562399	.6571992	.6567467	.6564043	.6560758	.6559305	.6558452	.6558061	.6557824
38	.6269266	.6442972	.6444094	.6443474	.6442701	.6442862	.6442956	.6443578	.6443501	.6443494
39	.6246373	.6288946	.6298405	.6302826	.6306497	.6308099	.6314477	.6312244	.6313470	.6314034
40	.6144886	.6160361	.6170772	.6179469	.6186490	.6190764	.6193891	.6196990	.6198533	.6199510

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TIMISOARA
BIBLIOTECA CENTRALA

TABELUL VITEZELOR ABSOLUTE
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PAG 1 3

K * N *	1	2	3	4	5	6	7	8	9	10
41	.5994672	.6048071	.6098262	.6048229	.6075292	.6081791	.6087987	.6090100	.6092488	.6094423
42	.5882443	.5936340	.5950436	.5959679	.5968059	.5978097	.5983202	.5985941	.5991146	.5991754
43	.5775018	.5827515	.5846143	.5859184	.5865684	.5873862	.5882055	.5891663	.5893352	.5895192
44	.5665701	.5725661	.5748639	.5759283	.5771106	.5783834	.5790868	.5796610	.5799729	.5802653
45	.5557323	.5642613	.5657678	.5681452	.5684927	.5697920	.5711617	.5711795	.5717906	.5720480
46	.5426262	.5574724	.5585539	.5598737	.5604884	.5616811	.5633477	.5638782	.5639089	.5642250
47	.5340282	.5492497	.5508746	.5513435	.5534424	.5538308	.5556926	.5556003	.5564379	.5564939
48	.5290992	.5402688	.5424670	.5432674	.5453590	.5464010	.5482147	.5483122	.5493850	.5491241
49	.5239330	.5321173	.5346309	.5385805	.5369301	.5408924	.5418657	.5417331	.5421530	.5427201
50	.5175188	.5265487	.5278432	.5320287	.5322164	.5330974	.5352171	.5364246	.5360515	.5363933
51	.5118363	.5203649	.5234758	.5249303	.5284452	.5276646	.5294086	.5297559	.5307604	.5310241
52	.5094159	.5145002	.5195516	.5207598	.5180689	.5258793	.5249792	.5228959	.5263387	.5255207
53	.5046627	.5119421	.5132041	.5157449	.5190561	.5183008	.5182620	.5225473	.5188462	.5208337
54	.5017732	.5104276	.5153160	.5081485	.5137815	.5112129	.5206428	.5143422	.5134562	.5154620
55	.4973290	.5083642	.5128563	.5070741	.5100358	.5075622	.5181038	.5054279	.5131144	.5097723
56	.4982286	.5105001	.5142284	.5058626	.5027565	.5066794	.5021422	.5108860	.5057291	.5051569
57	.5019306	.5015349	.5139351	.4957350	.4981339	.5115109	.5095814	.5010096	.5075071	.4961693
58	.5061092	.5064219	.5253205	.4962756	.5068711	.4938961	.5089115	.4915216	.4955389	.4899571
59	.5206448	.5047870	.5292545	.4883236	.5170104	.5033970	.4730733	.4983062	.4924788	.4811220
60	.5217099	.5083529	.5143747	.5279384	.4956110	.4835773	.4905149	.4922274	.4896017	.4711708

TABELUL VITEZELOR ABSOLUTE

PAG 4

K * * N *	1	2	3	4	5	6	7	8	9	10
61	-5455933	-5242364	-4958237	-5150641	-5034126	-4914238	-5134973	-4657030	-4716244	-4636331
62	-5152315	-5324724	-5030267	-5713633	-4718426	-5210931	-5105845	-4303125	-4671631	-4261344

STOP

|

0177 DIFUZOR AN = 0000 PH = 0003 P106 = 28/06/78
HDEB = 21H 44M 46S MIFIN = 52H 41M 06S TIME = 00287545
LRP = 00040 MEM = 0002R LO = IN = 00004 OUT = 00408
X1/XG- JF +G- MF. G- J

EOJ

SEMIDIFUZOR PLAN CU DESPRINDERE

$\text{ALFA} = 30^\circ$ $H = 0.5$

ZONA MISCĂRII ROTATIONALE

MODULE	XSYS	TYPE	C	LONGUEUR	0150 (00336)
MODULE	XPYP	TYPE	C	LONGUEUR	0160 (00352)
MODULE	FXDATA	TYPE	D	LONGUEUR	0180 (00384)
MODULE	FXMAIN	TYPE	P	LONGUEUR	0040 (00064)

```

***** FIN DE COMPILATION (PLUS HAUT NIVEAU D'ERREUR RENCONTRE = 0)          22.41.47
:      SEG RAD1
:      COMPILE FORTRAN,DBL
FORTRAN 00.00                                DIFUZOR  28/06/78  22.41.48

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0

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1  * SEGMENT XY+VG,XPYP+XSYS,XOAG
2  SUBROUTINE RAD01(PY,J2,C1,AF1,C2,AF2,C3,AF3,C4,AF4,CI,XI)
3  DIMENSION X1(7,21),Y1(7,21),X2(7,21),Y2(7,21)
4  DIMENSION XP(22),YP(22)
5  DIMENSION XS(21),YS(21)
6  DIMENSION VG(21),VR1(21)
7  DIMENSION XO(50),A(50),G(50)
8  COMMON /XY/X1,Y1,X2,Y2
9  COMMON /XPYP/XP,YP
10 COMMON /XSYS/XS,YS
11 COMMON /VG/VR,VG1
12 COMMON /XOAG/XO,A,G
13 CALL CALC1(PY,J2,C1,AF1,C2,AF2,C3,AF3,C4,AF4,CI,XI)
14 CALL CALC2(PY,J2,K1)
15 CALL CALC3(PY,J2,XPM)
16 CALL CALC4(PY,J2,K1,XPM)
17 RETURN
18 END

```

FORTRAN 00.00

DIFUZOR 28/06/78 22.41.48

1

MODULE	XOAG	TYPE	C	LONGUEUR	0480 (01200)
MODULE	VG	TYPE	C	LONGUEUR	0150 (00336)
MODULE	XSYS	TYPE	C	LONGUEUR	0150 (00336)
MODULE	XPYP	TYPE	C	LONGUEUR	0160 (00352)
MODULE	XY	TYPE	C	LONGUEUR	1260 (04704)
MODULE	RAD01	TYPE	P	LONGUEUR	0200 (00512)

```

**** FIN DE COMPILATION (PLUS HAUT NIVEAU D'ERREUR RENCONTRE = 0)                22.41.54
:   SFG RAD2
:   COMPILER FORTRAN,DBL
FORTRAN 00.00                                DIFUZOR  28/06/78  22.41.55

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1  * SEGMENT XY+VG,VXVY+VABS
2  SUBROUTINE RAD02(P1,J2,C1,AF1,C2,AF2,C3,AF3,C4,AF4,CI,XI)
3  DIMENSION X1(7,21),Y1(7,21),X2(7,21),Y2(7,21)
4  DIMENSION VX1(6,21),VY1(6,21),VX2(6,21),VY2(6,21)
5  DIMENSION V1(6,21),V2(6,21)
6  DIMENSION VG(21),VA1(21)
7  COMMON /VG/VA,VG1
8  COMMON /XY/X1,Y1,X2,Y2
9  COMMON /VXVY/VX1,VY1,VX2,VY2
10 COMMON /VANS/V1,V2
11 CALL CALC5(P1,J2,XI,CI,C4,AF4,C3,AF3,C2,AF2)
12 CALL CALC6(P1,J2,C1,AF1)
13 CALL CALC7(J2)
14 RETURN
15 END

```

FORTRAN 00.00

DIFUZOR 28/06/78 22.41.55

1

MODULE	VABS	TYPE	C	LONGUEUR	07E0 (02016)
MODULE	VXVY	TYPE	C	LONGUEUR	0FC0 (04032)
MODULE	XY	TYPE	C	LONGUEUR	1260 (04704)
MODULE	VG	TYPE	C	LONGUEUR	0150 (0033A)
MODULE	RAD02	TYPE	P	LONGUEUR	01A0 (0041A)

```

**** FIN DE COMPILATION (PLUS HAUT NIVEAU D'ERREUR RENCONTRE = 0)                22.42.00
:   SEG 04
:   COMPILER FORTRAN,DBL
FORTRAN 00.00                                DIFUZOR  28/06/78  22.42.01

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1  * SEGMENT XPYP,XSYS,V8
2  * DEFINE FIER +3+1A0
3  SUBROUTINE CALC1(P1,J2,C1,AF1,C2,AF2,C3,AF3,C4,AF4,CI,XI)
4  DIMENSION XP(21),VP(21)
5  DIMENSION X8(21),V8(21)
6  DIMENSION V0(21),VA1(21)
7  DIMENSION R1(21),S2(21)
8  DIMENSION RA1(20),RA2(20)
9  COMMON /XPYP/XP,YP
10 COMMON /XSYS/XS,YS
11 COMMON /VG/VA,VG1
12 6  FORMAT('1',57X,'R',B10.8/' ',55X,16(' '))

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```

13 410 FORMAT(6X,'GAM',E22.15)
14 420 FORMAT(6X,'GAM',E22.15)
15 11 FORMAT(' ',10X,'C1=',F15.8,10X,'AF1=',E15.8)
16 17 FORMAT(' ',10X,'C2=',F15.8,10X,'AF2=',E15.8)
17 21 FORMAT(' ',10X,'C3=',F15.8,10X,'AF3=',E15.8)
18 23 FORMAT(' ',10X,'C4=',F15.8,10X,'AF4=',E15.8)
19 29 FORMAT(' ',10X,'CT=',F15.8)
20 49 FORMAT(' ',10X,'XT=',F15.8)
21 H=0.5
22 DG=0.8667
23 WRITE(108,6) H
24 XP( 1)= .000000000000000
25 XP( 2)= .400000000000000
26 XP( 3)= .600000000000000
27 XP( 4)= .800000000000000
28 XP( 5)= 1.000000000000000
29 XP( 6)= 1.200000000000000
30 XP( 7)= 1.400000000000000
31 XP( 8)= 1.600000000000000
32 XP( 9)= 1.800000000000000
33 XP(10)= 2.000000000000000
34 XP(11)= 2.200000000000000
35 XP(12)= 2.400000000000000
36 XP(13)= 2.600000000000000
37 XP(14)= 2.800000000000000
38 XP(15)= 3.000000000000000
39 XP(16)= 3.200000000000000
40 XP(17)= 3.400000000000000
41 XP(18)= 3.600000000000000
42 XP(19)= 3.800000000000000
43 XP(20)= 4.000000000000000
44 XP(21)= 5.000000000000000
45 YP( 1)= .500000000000000
46 YP( 2)= .49937489000626
47 YP( 3)= .49777174771900

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FORTRAN 00.00

DIFUZOR 28/06/78 22.42.01

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48 YP( 4)= .49478670474685
49 YP( 5)= .49001225935246
50 YP( 6)= .48314781179410
51 YP( 7)= .47306454221339
52 YP( 8)= .46230601924170
53 YP( 9)= .44888780704123
54 YP(10)= .43129624002258
55 YP(11)= .41108658527667
56 YP(12)= .39028064483329
57 YP(13)= .36626384584370
58 YP(14)= .34028182814227
59 YP(15)= .31203651840928
60 YP(16)= .28408166072493
61 YP(17)= .25431774640524
62 YP(18)= .22408626939363
63 YP(19)= .19306319534807
64 YP(20)= .16415148253204
65 YP(21)= .04132421934516
66 YG( 1)= .979903900000000
67 YG( 2)= 1.001100100000000
68 YG( 3)= .998333900000000
69 YG( 4)= .994300000000000
70 YG( 5)= .986217100000000
71 YG( 6)= .976279200000000
72 YG( 7)= .964059700000000
73 YG( 8)= .949036400000000
74 YG( 9)= .932014400000000
75 YG(10)= .892259200000000
76 YG(11)= .853351000000000
77 YG(12)= .822475300000000

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7A      VG(13)= .70045500000000
7B      VG(14)= .76543680000000
8A      VG(15)= .72843470000000
8B      VG(16)= .69649370000000
8C      VG(17)= .67842780000000
8D      VG(18)= .62409720000000
8E      VG(19)= .61643610000000
8F      VG(20)= .59343400000000
8G      VG(21)= .54440020000000
8H      J2=21
8I      S1(1)=0.0
8J      DO 150 N=2,J2
8K      S1(N)=S1(N-1)+SQRT((XP(N)-XP(N-1))**2+(YP(N)-YP(N-1))**2)
8L      150 CONTINUE
8M      SS1=SQRT(H**2+DG**2)
8N      SS2=XP(J2)-DA
8O      SS3=YP(J2)
8P      95      S2(J2)=SS1+SS2+SS3
9A      DO 160 N=1,J2
9B      S2(N)=S1(N)*S2(J2)/S1(J2)
9C      160 CONTINUE
9D      ALFA=ATAN(H/DG)
9E      DO 170 N=1,J2
9F      IF((N.EQ.1).AND.(N.EQ.J2)) GO TO 164
9G      IF(S2(N).GT.S1) GO TO 162
9H      XS(N)=S2(N)*COS(ALFA)
9I      YS(N)=H-S2(N)*SIN(ALFA)
9J      GO TO 170
9K      162 XS(N)=S2(N)-SS1+DG
9L      YS(N)=0.0
9M      GO TO 170
9N      164 XS(N)=XP(N)
9O      YS(N)=YP(N)
9P      170 CONTINUE
9Q      DO 500 N=1,J2
9R      IF((N.EQ.1).AND.(N.EQ.J2)) GO TO 430
9S      K=1
9T      510 IF((XS(N).GE.XP(K)).AND.(XS(N).LE.XP(K+1))) GO TO 520
9U      K=K+1
9V      GO TO 510
9W      520 VG1(N)=VG(K)-(VG(K)-VG(K+1))*(XS(N)-XP(K))/(XP(K+1)-XP(K))
9X      GO TO 500
9Y      430 VG1(N)=VG(N)
9Z      500 CONTINUE
9AA      J3=J2-1
9AB      DO 180 N=1,J3
9AC      GA1(N)=(VG(N)+VG(N+1))+SQRT((XP(N+1)-XP(N))**2+(YP(N+1)-YP(N))**2)
9AD      1/2.0
9AE      GA2(N)=(VG1(N)+VG1(N+1))+SQRT((XS(N+1)-XS(N))**2+(YS(N+1)-YS(N))**
9AF      22)/2.0
9AG      180 CONTINUE
9AH      BA=0.0
9AI      DO 190 N=1,J3
9AJ      GA=GA+GA1(N)+GA2(N)
9AK      190 CONTINUE
9AL      WRITE(106,410) GA
9AM      S=0.0
9AN      DO 400 N=1,J3
9AO      S=S+(YP(N+1)-YP(N))*(XP(N+1)-XP(N))
9AP      400 CONTINUE
9AQ      S=S/2.0-DG*(1.0-H)/2.0
9AR      WRITE(106,420) S
9AS      XGA=0.0
9AT      YGA=0.0

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FORTRAN 00.00

DIFUZOR 28/06/78 22.42.01

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FORTRAN 00.00

DIFUZOR 28/06/78 22.42.01

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142      DO 200 N=1,J3
143      XGA=XGA+GA1(N)*(XP(N)+XP(N+1))/2.0+GA2(N)*(XS(N)+XS(N+1))/2.0
144      YGA=YGA+GA1(N)*(YP(N)+YP(N+1))/2.0+GA2(N)*(YS(N)+YS(N+1))/2.0
145 200 CONTINUE
146      XGA=XGA/GA
147      YGA=YGA/GA
148      J4=J2+1
149      XP(J4)=XGA
150      YP(J4)=YGA
151      C1=DG
152      AF1=ATAN(DG/YP(1))+PI/2.0
153      WRITE(108,11) C1,AF1
154      DO 8 N=1,J4
155      R=SQRT((XP(N)-C1)**2+YP(N)**2)
156      IF(XP(N).EQ.C1) GO TO 10
157      IF(XP(N).GT.C1) GO TO 12
158      TE=PI-ATAN(YP(N)/(C1-XP(N)))
159      GO TO 14
160 10 TE=PI/2.0
161      GO TO 14
162 12 TE=ATAN(YP(N)/(XP(N)-C1))
163 14 R=R*(PI/AF1)
164      TE=TE+PI/AF1
165      XP(N)=R*COS(TE)
166      IF(N.EQ.1) GO TO 16
167      YP(N)=R*SIN(TE)
168      GO TO 8
169 16 YP(N)=0.0
170 8 CONTINUE
171      DO 204 N=1,J2
172      IF((N.EQ.1).AND.(N.EQ.J2)) GO TO 203
173      IF(XS(N).EQ.C1) GO TO 202
174      IF(XS(N).GT.C1) GO TO 201
175      XS(N)=-((SQRT((XS(N)-C1)**2+YS(N)**2)))+(PI/AF1)
176      YS(N)=0.0
177      GO TO 204
178 201 XS(N)=(XS(N)-C1)+(PI/AF1)
179      YS(N)=0.0
180      GO TO 204
181 202 XS(N)=0.0
182      YS(N)=0.0
183      GO TO 204
184 203 XS(N)=XP(N)
185      YS(N)=YP(N)
186 204 CONTINUE
187      C2=XP(1)
188      AF2=ATAN(YP(2)/(XP(2)-XP(1)))

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FORTRAN 00.00

DIFUZOR 28/06/78 22.42.01

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189      WRITE(108,17) C2,AF2
190      XP(1)=0.0
191      YP(1)=0.0
192      DO 18 N=2,J4
193      R=SQRT((XP(N)-C2)**2+YP(N)**2)
194      TE=ATAN(YP(N)/(XP(N)-C2))
195      R=R*(PI/AF2/2.0)
196      TE=TE+PI/AF2/2.0
197      IF(N.EQ.2) GO TO 315
198      XP(N)=R*COS(TE)
199      GO TO 320
200 315 XP(N)=0.0
201 320 YP(N)=R*SIN(TE)
202 18 CONTINUE
203      DO 208 N=1,J2

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202     IF((N.EQ.1).OR.(N.EQ.J2)) GO TO 207
205     XS(N)=(XS(N)-C2)*+(PI/AF2/5.0)
206     YS(N)=0.0
207     GO TO 208
208     207 XS(N)=XP(N)
209     YS(N)=YP(N)
210     208 CONTINUE
211     C3=XP(J2)
212     AF3=PI/2.0
213     WRITE(108,21) C3,AF3
214     DO 28 N=1,J4
215     XPT=XP(N)-C3
216     IF(N.EQ.1) GO TO 300
217     XP(N)=XPT+COS(AF3)+YP(N)*SIN(AF3)
218     GO TO 305
219     300 XP(N)=0.0
220     305 IF(N.EQ.J2) GO TO 310
221     YP(N)=-XPT+SIN(AF3)+YP(N)*COS(AF3)
222     GO TO 28
223     310 YP(N)=0.0
224     28 CONTINUE
225     DO 212 N=1,J2
226     IF((N.EQ.1).OR.(N.EQ.J2)) GO TO 210
227     YS(N)=(C3-XS(N))*SIN(AF3)
228     XS(N)=0.0
229     GO TO 212
230     210 XS(N)=XP(N)
231     YS(N)=YP(N)
232     212 CONTINUE
233     DO 38 N=1,J4
234     R=SQRT(XP(N)**2+YP(N)**2)
235     R=R*(PI/AF3)

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FORTRAN 00.00

DIFUZOR

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236     IF(N.EQ.1) GO TO 35
237     TE=ATAN(YP(N)/XP(N))
238     GO TO 37
239     35 TE=PI/2.0
240     37 TE=TE+PI/AF3
241     XP(N)=R*COS(TE)
242     IF((N.EQ.1).OR.(N.EQ.J2)) GO TO 34
243     YP(N)=R*SIN(TE)
244     GO TO 38
245     34 YP(N)=0.0
246     38 CONTINUE
247     DO 216 N=1,J2
248     IF((N.EQ.1).OR.(N.EQ.J2)) GO TO 214
249     XS(N)=-YS(N)*(PI/AF3)
250     YS(N)=0.0
251     GO TO 216
252     214 XS(N)=XP(N)
253     YS(N)=YP(N)
254     216 CONTINUE
255     J5=J2-2
256     Z4=XP(J2)
257     IF(XP(J2-1).GT.XP(J2)) GO TO 50
258     IF(XP(J2-1).EQ.XP(J2)) GO TO 51
259     TE=ATAN(YP(J5-1)/(XP(J2)-XP(J2-1)))
260     GO TO 52
261     50 TE=PI-ATAN(YP(J2-1)/(XP(J2-1)-XP(J2)))
262     GO TO 52
263     51 TE=PI/2.0
264     52 DO 60 K=2,J5
265     IF(XP(J2-K).GT.XP(J2)) GO TO 53
266     IF(XP(J2-K).EQ.XP(J2)) GO TO 54
267     TE1=ATAN(YP(J2-K)/(XP(J2)-XP(J2-K)))
268     GO TO 55

```

```

269      53  TE=PI-ATAN(YP(J2-K)/(XP(J2-K)-XP(J2)))
270      GO TO 55
271      54  TE=PI/2.0
272      55  IF(TE1.GT.TE) TE=TE1
273      TE=TE
274      60  CONTINUE
275      AF4=1.01*TE
276      WRITE(108,23) C4,AF4
277      DO 58 N=1,J4
278      XPT=XP(N)-C4
279      XP(N)=-XPT+COS(AF4)+YP(N)*SIN(AF4)
280      YP(N)=-XPT*SIN(AF4)-YP(N)*COS(AF4)
281      58  CONTINUE
282      GO 220 N=1,J2

```

FORTRAN 00.00

DIFUZOR 28/06/78 22.42.01

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```

283      IF((N.EQ.1).OR.(N.EQ.J2)) GO TO 218
284      XST=XS(N)-C4
285      XS(N)=-XST+COS(AF4)+YS(N)*SIN(AF4)
286      YS(N)=-XST*SIN(AF4)-YS(N)*COS(AF4)
287      GO TO 220
288      218 XS(N)=XP(N)
289      YS(N)=YP(N)
290      220 CONTINUE
291      DO 65 N=1,J4
292      IF(N.EQ.J2) GO TO 64
293      R=SQRT(XP(N)**2+YP(N)**2)
294      R=R**((PI/AF4/2.0)
295      IF(XP(N).GT.0.0) GO TO 61
296      IF(XP(N).EQ.0.0) GO TO 62
297      TE=PI/2.0+ATAN(-YP(N)/XP(N))
298      GO TO 63
299      61  TE=ATAN(YP(N)/XP(N))
300      GO TO 63
301      62  TE=PI/2.0
302      63  TE=TE*PI/AF4/2.0
303      YP(N)=R*SIN(TE)
304      IF(N.EQ.1) GO TO 66
305      XP(N)=R*COS(TE)
306      GO TO 65
307      66  XP(N)=0.0
308      GO TO 65
309      64  XP(N)=0.0
310      YP(N)=0.0
311      65  CONTINUE
312      DO 226 N=1,J2
313      IF((N.EQ.1).OR.(N.EQ.J2)) GO TO 224
314      YS(N)=(SQRT(YS(N)**2+YS(N)**2))**((PI/AF4/2.0)
315      XS(N)=0.0
316      GO TO 226
317      224 XS(N)=XP(N)
318      YS(N)=YP(N)
319      226 CONTINUE
320      DO 70 N=1,J4
321      XPT=XP(N)
322      XP(N)=-YP(N)
323      YP(N)=XPT
324      70  CONTINUE
325      DO 230 N=1,J2
326      XST=XS(N)
327      XS(N)=-YS(N)
328      YS(N)=XST
329      230 CONTINUE

```

FORTRAN 00.00

DIFUZOR 28/06/78 22.42.01

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```

330 DIMABS(XP(1))
331 WRITE(108,29) CI
332 DO 39 N=1,14
333 XP(N)=XP(N)/CI
334 YP(N)=YP(N)/CI
335 39 CONTINUE
336 DO 236 N=1,J2
337 XS(N)=XS(N)/CI
338 YS(N)=YS(N)/CI
339 236 CONTINUE
340 XI=(XP(1)+XP(J2))/2.0
341 WRITE(108,49) XI
342 DO 40 N=1,14
343 R=XI-XP(N)
344 XP(N)=R/(R**2+YP(N)**2)
345 YP(N)=YP(N)/(R**2+YP(N)**2)
346 40 CONTINUE
347 DO 238 N=1,J2
348 IF((N.EQ.1).OR.(N.EQ.J2)).GO TO 236;
349 XS(N)=1/(XT+YS(N))
350 YS(N)=0.0
351 GO TO 238
352 236 XS(N)=XP(N)
353 YS(N)=YP(N)
354 238 CONTINUE
355 RETURN
356 END

```

FORTRAN 00.00

DIFUZOR 28/06/78 22.42.01

8

MODULE	VS	TYPE	C	LONGUEUR	0150 (00336)
MODULE	XSYS	TYDC	C	LONGUEUR	0150 (00336)
MODULE	XPYP	TYDC	C	LONGUEUR	0160 (00350)
MODULE	CALC1	TYDC	P	LONGUEUR	2150 (08520)

***** FIN DE COMPILATION (PLUS HAUT NIVEAU D'ERREUR RENCONTRE = 0) 22.42.48

SEF 52
 COMPILER FORTRAN.DBL
 DIFUZOR 28/06/78 22.42.49

FORTRAN 00.00

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```

1 SEGMENT XPYP,XSYS,XOAG
2 SUBROUTINE CALC2(PI,J2,K1)
3 DIMENSION XP(22),YP(22)
4 DIMENSION XS(21),YS(21)
5 DIMENSION XO(50),A(50),G(50)
6 COMMON /XPYP/XP,YP
7 COMMON /XSYS/XS,YS
8 COMMON /XOAG/XO,A,G
9 FORMAT('11.54X. TARELUL XO(K1) . A(K1) . G(K1)'/ ' ',49X,34(' ')/'0

```

```

10 108X, 'PAGE: 13)
11
12 FORMAT(' 17X, 95(' * ')
13
14 FORMAT(' 17X, ' 1 XN(' , IZ, ')=' , E22.15, ' 1 A(' , IZ, ')=' , E22.15, ' 1 G
15 ' , IZ, ')=' , E22.15, ' 1 ')
16 R1=1
17 M=1
18 X0(K1)=0.0
19 Y0=0.0
20 R=1.95
21 A(K1)=R
22 B=PI/2.0
23 B(K1)=2.0
24 INDEX=4
25 CALL TRANS(A(K1), G(K1), X0(K1), INDEX, M, J2)
26 R1=K1+1
27
28 18 0=0.0
29 IF((XP(M+1).LT.XP(M)).AND.(XP(M+2).GE.XP(M+1))) GO TO 31
30 IF(XP(M+1).GE.YP(M+1)) GO TO 46
31 IF(((YP(M+1)-YP(M))/(XP(M)-XP(M+1))).LE.((YP(M+2)-YP(M+1))/(XP(M+1)
32 -XP(M+2)))) GO TO 31
33 IF(YP(M+2).EQ.0.0) GO TO 21
34 XA=XP(M)
35 YA=0.0
36 Xp=XP(M+1)
37 YB=YP(M+1)
38 Xc=XP(M+2)
39 Yc=YP(M+2)
40 CALL CERC(PI, XA, YA, XB, YB, Xc, Yc, X0(K1), Y0, A(K1), R, B, G(K1), W)
41 IF(Y0.LE.0.0) GO TO 51
42 X0(K1)=(XP(M+2)+Xp(M+1))/2.0
43 Y0=0.0
44 R=(XP(M)-XP(M+2))/2.0
45 X(R1)=R
46 B=PI/2.0
47 B(K1)=2.0
48 INDEX=1
49 CALL TRANS(A(K1), G(K1), X0(K1), INDEX, M, J2)
50 K1=K1+1

```

DIFUZOR 28/06/78 22.42.49

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FORTRAN 00.00

```

48 GO TO 18
49
50 51 IF(M.EQ.0,0) GO TO 41
52 INDEX=7
53 CALL TRANS(A(K1), G(K1), X0(K1), INDEX, M, J2)
54 M=M+1
55 IF(YP(J2-1)) 30,19,30
56 41 IF(XP(J2).GE.(X0(K1)-A(K1))) GO TO 15
57 J3=J2
58 20 J3=J3+1
59 IF(J3.GT.J2) GO TO 55
60 IF(XP(J3).GE.XP(M+1)) GO TO 20
61 72 IF(XP(J3).GE.(X0(K1)-A(K1))) GO TO 17
62 GO TO 20
63 55 INDEX=2
64 CALL TRANS(A(K1), G(K1), X0(K1), INDEX, M, J2)
65 M=M+2
66 IF(YP(J2-1)) 30,19,30
67 30 K1=K1+1
68 GO TO 18
69 17 IF((YP(J3)+Y0+SORT((R-XP(J3)+X0(K1))+(R+XP(J3)-X0(K1))))).GT.0.0)
70 GO TO 20
71 15 IF(XP(M+3).GE.XP(M+2)) GO TO 70
72 HT=30RT((XP(M+3)-XP(M+2))*(XP(M+2)-XP(M+1)))
73 IF(YP(M+2).LE.HT) GO TO 22
74 IF(XP(J2).GE.XP(M+5)) GO TO 26
75 IF(XP(J2).GE.XP(M+1)) GO TO 25
76 X0(K1)=XP(M+2)

```



```

75 Y0=0.0
76 BX=XP(M+1)+XP(M+2)
77 IF(YP(M+2).GT.DX) GO TO 85
78 R=0.9+YP(M+2)
79 GO TO 86
80 85 R=DX
81 86 A(K1)=R
82 J3=M+2
83 J3=J3+1
84 IF(J3.GT.J2) GO TO 84
85 IF(XP(J3).GE.(X0(K1)-A(K1))) GO TO 87
86 GO TO 82
87 IR((YP(J3)+Y0-SQRT((R+XP(J3)+X0(K1))*(R+XP(J3)-X0(K1))))).GT.0.0)
88 GO TO 82
89 R=0.9+R
90 A(K1)=R
91 GO TO 81
92 84 B=PI/2.0
93 G(K1)=2.0
94 INDEX=6

```

FORTRAN 00.00

DIFUZOR 28/06/78 22.42.49

2

```

95 CALL TRANS(A(K1),G(K1),X0(K1),INDEX,M,J2)
96 K1=K1+1
97 GO TO 18
98 22 IF(XP(J2).GE.XP(M+3)) GO TO 72
99 IF(XP(J2).GE.XP(M+2)) GO TO 26
100 IF(XP(J2).GE.XP(M+1)) GO TO 25
101 XA=XP(M+1)
102 YA=0.0
103 XB=XP(M+2)
104 YB=YP(M+2)
105 XC=XP(M+3)
106 YC=0.0
107 CALL CERC(PI,XA,YA,XB,YB,XC,YC,X0(K1),Y0,A(K1),R,B,G(K1),W)
108 J3=M+2
109 92 J3=J3+1
110 IF(J3.GT.J2) GO TO 94
111 IF(XP(J3).GE.(X0(K1)-A(K1))) GO TO 97
112 GO TO 92
113 97 IR((YP(J3)+Y0-SQRT((R+XP(J3)+X0(K1))*(R+XP(J3)-X0(K1))))).GT.0.0)
114 GO TO 92
115 X0(K1)=XP(M+2)
116 Y0=0.0
117 R=0.9+XP(M+2)
118 A(K1)=R
119 GO TO 81
120 94 INDEX=5
121 CALL TRANS(A(K1),G(K1),X0(K1),INDEX,M,J2)
122 K1=K1+1
123 GO TO 18
124 72 IF(XP(J2).GE.XP(M+2)) GO TO 26
125 IF(XP(J2).GE.XP(M+1)) GO TO 25
126 X0(K1)=XP(M+2)
127 Y0=0.0
128 DX=XR(M+2)-XP(J2)
129 IF(DX.GE.YB(M+2)) GO TO 100
130 R=0.95+DX
131 GO TO 101
132 100 R=0.95+YP(M+2)
133 101 A(K1)=R
134 B=PI/2.0
135 G(K1)=2.0
136 INDEX=6
137 CALL TRANS(A(K1),G(K1),X0(K1),INDEX,M,J2)
138 K1=K1+1
139 GO TO 18

```

140
141

26 IF(XP(J2).GE.XP(M+1)) GO TO 25
XO(K1)=(XP(M+1)+XP(J2))/2.0

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3

142

Y0=0.0

143

R=0.475*(XP(M+1)-XP(J2))

144

A(K1)=R

145

B=PI/2.0

146

G(K1)=2.0

147

INDEX=6

148

CALL TRANS(A(K1),G(K1),XO(K1),INDEX,M,J2)

149

K1=K1+1

150

GO TO 18

151

25 XO(K1)=(XP(M)+XP(J2))/2.0

152

Y0=0.0

153

R=0.475*(XP(M)-XP(J2))

154

A(K1)=R

155

B=PI/2.0

156

G(K1)=2.0

157

INDEX=6

158

CALL TRANS(A(K1),G(K1),XO(K1),INDEX,M,J2)

159

K1=K1+1

160

GO TO 18

161

70 IF(YP(M+3).LE.YP(M+2)) GO TO 102

162

XO(K1)=XP(M+2)

163

Y0=0.0

164

B=PI/2.0

165

G(K1)=2.0

166

DK=XP(M+1)-XP(M+2)

167

IF(YP(M+2).GT.DX) GO TO 80

168

R=YP(M+2)

169

A(K1)=R

170

INDEX=5

171

GO TO 90

172

80 R=DX

173

A(K1)=R

174

INDEX=6

175

90 CALL TRANS(A(K1),G(K1),XO(K1),INDEX,M,J2)

176

K1=K1+1

177

GO TO 18

178

102 IF(XP(J2).GE.XP(M+3)) GO TO 26

179

IF(XP(M+3).GE.XP(M+1)) GO TO 103

180

XO(K1)=(XP(M+1)+XP(M+3))/2.0

181

Y0=0.0

182

R=0.475*(XP(M+1)-XP(M+3))

183

A(K1)=R

184

B=PI/2.0

185

G(K1)=2.0

186

INDEX=6

187

CALL TRANS(A(K1),G(K1),XO(K1),INDEX,M,J2)

188

K1=K1+1

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4

189

103 XO(K1)=(XP(M)+XP(M+3))/2.0

190

Y0=0.0

191

R=0.475*(XP(M)-XP(M+3))

192

A(K1)=R

193

B=PI/2.0

194

G(K1)=2.0

195

INDEX=6

196

CALL TRANS(A(K1),G(K1),XO(K1),INDEX,M,J2)

197

K1=K1+1

198

GO TO 18

199

21 HT=SQR((XP(M+2)-XP(M+1))*(XP(M+1)-XP(M)))

200

```

204 IF(YP(M+1).LE.NT) GO TO 23
205 X0(K1)=(XP(M+2)+XP(M))/2.0
206 Y0=0.0
207 R=(XP(M)-XP(M+2))/2.0
208 A(K1)=R
209 B=PI/2.0
210 G(K1)=2.0
211 INDEX=4
212 CALL TRANS(A(K1),G(K1),X0(K1),INDEX,M,J2)
213 K1=K1+1
214 GO TO 21
215 23 XA=XP(M)
216 YA=0.0
217 XB=XP(M+1)
218 YB=YP(M+1)
219 XC=XP(M+2)
220 YC=0.0
221 CALL CERC(PI,XA,YA,XB,YB,XC,YC,X0(K1),Y0,A(K1),R,B,G(K1),W)
222 IF(W.EQ.0.0) GO TO 50
223 INDEX=7
224 GO TO 60
225 50 INDEX=3
226 60 CALL TRANS(A(K1),G(K1),X0(K1),INDEX,M,J2)
227 M=M+2
228 IF(YP(J2-1).EQ.0.0) GO TO 19
229 K1=K1+1
230 GO TO 18
231 31 R=YP(M+1)+2/(XP(M)-XP(M+1))/2.0+(XP(M)-XP(M+1))/2.0
232 A(K1)=R
233 X0(K1)=XP(M)-R
234 Y0=0.0
235 B=PI/2.0
236 G(K1)=2.0
237 DX=R/10.0
238 32 J3=M+1

```

FORTRAN 00.00

DIFUZOR 28/06/78 22.42.49

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```

236 33 J3=J3+1
237 IF(J3.GT.J2) GO TO 39
238 IF(XP(J3).GE.XP(M+1)) GO TO 33
239 IF(XP(J3).GE.(X0(K1)-A(K1))) GO TO 35
240 GO TO 33
241 39 IF(U.EQ.0.0) GO TO 38
242 INDEX=1
243 GO TO 37
244 36 INDEX=7
245 CALL TRANS(A(K1),G(K1),X0(K1),INDEX,M,J2)
246 IF(U.EQ.1.0) GO TO 34
247 M=M+1
248 34 K1=K1+1
249 GO TO 18
250 35 IF((YP(J3)-Y0-SQRT((R-XP(J3)+X0(K1))*(R+XP(J3)-X0(K1))))).GT.0.0)
251 1 GO TO 33
252 U=1.0
253 R=R-DX
254 A(K1)=R
255 X0(K1)=XP(M)-R
256 GO TO 32
257 40 R=YP(M+1)
258 A(K1)=R
259 X0(K1)=XP(M)-R
260 Y0=0.0
261 B=PI/2.0
262 G(K1)=2.0
263 DX=R/10.0
264 42 J3=M+1
265 43 J3=J3+1

```

```

26A      IF(J3.GT.J2) GO TO 48
26B      IF(XP(J3).GE.XP(M)) GO TO 43
26C      IF(XP(J3).GE.(XD(K1)-A(K1))) GO TO 44
26D      GO TO 43
270      48 INDEX=1
271      CALL TRANS(A(K1),G(K1),XD(K1),INDEX,M,J2)
272      K1=K1+1
273      GO TO 18
274      44 IF((YP(J3)-YO-SQRT((R-XP(J3)+XD(K1))*(R+XP(J3)-XD(K1))))).GT.0.0)
275      GO TO 43
276      R=R-DX
277      A(K1)=R
278      XD(K1)=XP(M)-R
279      GO TO 42
280      19 NP=0
281      DO 13 N=1,K1
282      IF(NP.EQ.0) GO TO 49

```

FORTRAN 00.00

DIFUZOR 28/06/78 22.42.49

6

```

283      45 PRINT 14,N,XD(N),N,A(N),N,G(N)
284      NR=NR+1
285      IF(NR.LT.50) GO TO 13
286      PRINT 12
287      49 NR=0
288      NP=NP+1
289      PRINT 7,NP
290      PRINT 12
291      IF(NP.EQ.1) GO TO 45
292      13 CONTINUE
293      PRINT 12
294      RETURN
295      END

```

FORTRAN 00.00

DIFUZOR 28/06/78 22.42.49

7

MODULE	NAME	TYPE	C	LONGUEUR	ADRESSE
MODULE	XOAG	TYPE	C	0480	(01200)
MODULE	XSYS	TYPE	C	0150	(00334)
MODULE	XPYP	TYPE	C	0160	(00352)
MODULE	CALC2	TYPE	P	1000	(07640)

```

***** FIN DE COMPILATION (PLUS HAUT NIVEAU D'ERREUR RENCONTRE = 0) 22.43.29
      COMPILE FORTRAN.DBL
FORTRAN 00.00
      DIFUZOR 28/06/78 22.43.30

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```

1      SUBROUTINE CERC(PI,XA,YA,XB,YB,XC,YC,XO,YO,A,R,B,G,W)
2      M=0.0
3      DX=(XC-XB)/100.0

```

```

4      1 P1=YA*(XB-YC)+(XB+XC)+YB*(XC-XA)+(XC+XA)+YC*(XA-XB)+(XA+XB)+(YA-YB
5      1)*(YB-YC)+(YC-YA)
6      R1=2.0*(YA+(XB-XC)+YB*(XC-XA)+YC*(XA-XB))
7      S1=XA*(YB-YC)+(YB+YC)+XB*(YC-YA)+(YC+YA)+XC*(YA-YB)+(YA+YB)+(XA-XB
8      2)*(XB-XC)+(XC-XA)
9      T1=2.0*(YA+(XC-XB)+YB*(XA-XC)+YC*(XB-XA))
10     P2=ABS(P1)
11     R2=ABS(R1)
12     S2=ABS(S1)
13     T2=ABS(T1)
14     IF((R2.EQ.0.0).OR.(T2.EQ.0.0)) GO TO 2
15     IF(P2.EQ.0.0) GO TO 3
16     V=ALOG10(P2)-ALOG10(R2)
17     GO TO 4
18     3 V=-ALOG10(R2)
19     4 IF(V.GT.30) GO TO 2
20     IF(S2.EQ.0.0) GO TO 5
21     V=ALOG10(S2)-ALOG10(T2)
22     GO TO 6
23     5 V=-ALOG10(T2)
24     6 IF(V.GT.30) GO TO 2
25     XO=P1/R1
26     YO=S1/T1
27     GO TO 7
28     2 XC=XC-DX
29     YC=0.0
30     W=1.0
31     GO TO 1
32     7 R=SQRT((XA-XO)**2+(YA-YO)**2)
33     A=SQRT((R-YO)*(R+YO))
34     IF(YO.EQ.0.0) GO TO 8
35     IF(YO.LT.0.0) GO TO 9
36     B=PI/2.0+ATAN(YO/A)
37     GO TO 10
38     9 B=ATAN(-A/YO)
39     10 B=PI/(PI-B)
40     GO TO 11
41     8 B=PI/2.0
42     G=2.0
43     11 RETURN
44     END

```

FORTRAN 00.00

DIFUZOR 28/06/78 22.43.30

1

MODULE	CERC	TYPE	P	LONGUEUR	04E8 (01256)
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**** FIN DE COMPILATION (PLUS HAUT NIVEAU D'ERREUR RENCONTRE = 0) 22.43.39
:
: COMPILER FORTRAN.00L DIFUZOR 28/06/78 22.43.40
FORTRAN 00.00

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```

1 * SEGMENT XPYP.XSYS
2 SUBROUTINE TRANS(A,G,XO,I,M,J)

```

```

3     DIMENSION XP(22),YP(22)
4     DIMENSION XS(21),YS(21)
5     COMMON /XPYP/XP,YP
6     COMMON /XSYS/XS,YS
7     M1=M+1
8     M2=M+2
9     PI=3.14159265358979
10    J1=J+1
11    DO 2 N=1,J1
12    IF(YP(N).EQ.0.0) GO TO 3
13    RO1=((XP(N)-XO+A)**2+YP(N)**2)/4.0/A
14    RO=SQRT(1.0-(XP(N)-XO)/RO1)
15    IF((N.EQ.M1).AND.(I.EQ.2).OR.(I.EQ.3).OR.(I.EQ.7))) GO TO 4
16    IF((N.EQ.M2).AND.(I.EQ.2).OR.(I.EQ.5))) GO TO 4
17    TE1=YP(N)
18    TE2=2.0*RO1-XP(N)+XO-A
19    IF(TE1.LE.0) GO TO 5
20    TE=TE2/TE1
21    TE=PI/2.0-ATAN(TE)
22    GO TO 9
23    5 TE=TE1/TE2
24    TE=ATAN(TE)
25    9 TE=G+TE
26    TE1=PI/2.0
27    IF(TE.LT.TE1) GO TO 8
28    TE=PI-TE
29    S=1.0+RO**G*COS(TE)
30    GO TO 10
31    8 S=1.0-RO**G*COS(TE)
32    10 T=RO**G*SIN(TE)
33    GO=2.0*A*G/(R+S+T)
34    XP(N)=GO*S-A*G
35    YP(N)=GO*T
36    GO TO 2
37    4 XP(N)=A*G*(1.0-RO**G)/(1.0+RO**G)
38    YP(N)=0.0
39    GO TO 2
40    3 IF((N.EQ.M).AND.((I.EQ.1).OR.(I.EQ.2).OR.(I.EQ.3).OR.(I.EQ.4).OR.(
41    1 I.EQ.7))) GO TO 6
42    IF((N.EQ.M2).AND.((I.EQ.3).OR.(I.EQ.4))) GO TO 7
43    RO=ABS((XP(N)-XO-A)/(YP(N)-XO+A))
44    XP(N)=A*G*(1.0+RO**G)/(1.0-RO**G)
45    YP(N)=0.0
46    GO TO 2
47    6 XP(N)=A*G

```

FORTRAN 00.00

DIFUZOR 28/06/78 22.43.40

1

```

48    YP(N)=0.0
49    GO TO 2
50    7 XP(N)=-A*G
51    YP(N)=0.0
52    2 CONTINUE
53    DO 30 N=1,J
54    IF((N.EQ.1).OR.(N.EQ.J)) GO TO 28
55    RO=ABS((XS(N)-XO-A)/(YS(N)-XO+A))
56    XS(N)=A*G*(1.0+RO**G)/(1.0-RO**G)
57    YS(N)=0.0
58    GO TO 30
59    28 XS(N)=XP(N)
60    YS(N)=YP(N)
61    30 CONTINUE
62    RETURN
63    END

```

FORTRAN 00.00

DIFUZOR 28/06/78 22.43.40

2

MODULE	XSYS	TYPE	C	LONGUEUR	0150 (00336)
MODULE	XPYP	TYPE	C	LONGUEUR	0160 (00352)
MODULE	TRANS	TYPE	P	LONGUEUR	0600 (01696)

```

**** FIN DE COMPILATION (PLUS HAUT NIVEAU D'ERREUR RENCONTRE = 0)          22.43.51
- SEG 51
- COMPILER FORTRAN,DBL
FORTRAN 00.00
DIFUZOR 28/06/78 22.43.53

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```

1  * SEGMENT XPYP,XSYS,XY
2  SUBROUTINE CALC3(PI,J2,XPM)
3  DIMENSION XP(22),YP(22)
4  DIMENSION XS(21),YS(21)
5  DIMENSION X1(7,21),Y1(7,21),X2(7,21),Y2(7,21)
6  DIMENSION YOP(7),RPF(7)
7  DIMENSION XOF(21),RF(21)
8  DIMENSION XOF1(21),RF1(21)
9  98 FORMAT(' ',10X,'XPM=',E15.8)
10 COMMON /XPYP/XP,YP
11 COMMON /XSYS/XS,YS
12 COMMON /XY/X1,Y1,X2,Y2
13 XPM=XP(22)
14 WRITE(108,98) XPM
15 DO 2 N=1,J2
16 XP(N)=XP(N)-XPM
17 XS(N)=XS(N)-YPM
18 2 CONTINUE
19 YGA=YP(22)
20 DO 4 K=2,6
21 YPS=(7-K)*YGA/6.0
22 C=(YGA-YP5)/(YGA+YP5)
23 YOP(K)=YGA*(1+C**2)/(1-C**2)
24 RP(K)=SQRT(YOP(K)**2-YGA**2)
25 4 CONTINUE
26 DO 10 N=1,J2
27 TE=ABS(XP(N))
28 IF(TE.GE.YGA) GO TO 55
29 TE=TE/YGA
30 GO TO 30
31 55 TE=YGA/TE
32 30 TE=2.0*ATAN(TE)
33 RF(N)=YGA/SIN(TE)
34 IF(XP(N).LT.0.0) GO TO 6
35 XOF(N)=XP(N)-RF(N)
36 GO TO 10
37 6 XOF(N)=XP(N)+RF(N)
38 10 CONTINUE
39 DO 12 N=1,J2
40 TE=ABS(XS(N))
41 IF(TE.GE.YGA) GO TO 75
42 TE=TE/YGA
43 GO TO 8
44 75 TE=YGA/TE
45 8 TE=2.0*ATAN(TE)
46 RF1(N)=YGA/SIN(TE)
47 IF(XS(N).LT.0.0) GO TO 9

```

FORTRAN 00.00

DIFUZOR 28/06/78 22.43.53

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48      XOF1(N)=XS(N)-RF1(N)
49      GO TO 12
50      9 XOF1(N)=XS(N)+RF1(N)
51      12 CONTINUE
52      DO 50 N=1,J2
53      DO 50 K=1,7
54      IF(K.EQ.1) GO TO 45
55      IF(K.EQ.7) GO TO 40
56      XO=SQRT(XOF(N)**2+YOP(K)**2)
57      X=(RF(N)**2-RP(K)**2+XO**2)/XO/2.0
58      Y=SQRT(RF(N)**2-X**2)
59      R=SQRT(X**2+Y**2)
60      TE=Y/X
61      TE=ATAN(TE)
62      IF(XOF(N).LT.0.0) GO TO 15
63      IF(XOF(N).EQ.0.0) GO TO 3
64      DTE=YOP(K)/XOF(N)
65      DTE=PI-ATAN(DTE)
66      GO TO 90
67      15 DTE=-YOP(K)/XOF(N)
68      DTE=ATAN(DTE)
69      90 IF(XP(N).LT.0.0) GO TO 92
70      TE1=DTE-TE
71      GO TO 20
72      92 TE1=DTE+TE
73      20 X1(K,N)=XOF(N)+R*COS(TE1)
74      Y1(K,N)=R*SIN(TE1)
75      GO TO 50
76      3 Y=(RF(N)**2-RP(K)**2+YOP(K)**2)/YOP(K)/2.0
77      X=SQRT(RF(N)**2-Y**2)
78      Y1(K,N)=Y
79      IF(XP(N).LT.0.0) GO TO 32
80      X1(K,N)=X
81      GO TO 50
82      32 X1(K,N)=-X
83      GO TO 50
84      40 X1(K,N)=XP(N)
85      Y1(K,N)=0.0
86      GO TO 50
87      45 X1(K,N)=0.0
88      Y1(K,N)=YGA
89      50 CONTINUE
90      DO 70 N=1,J2
91      DO 70 K=1,7
92      IF(K.EQ.1) GO TO 65
93      IF(K.EQ.7) GO TO 60
94      XO=SQRT(XOF1(N)**2+YOP(K)**2)

```

FORTRAN 00.00

DIFUZOR 28/06/78 22.43.53

2

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95      X=(RF1(N)**2-RP(K)**2+XO**2)/XO/2.0
96      Y=SQRT(RF1(N)**2-X**2)
97      R=SQRT(X**2+Y**2)
98      TE=Y/X
99      TE=ATAN(TE)
100     IF(XOF1(N).LT.0.0) GO TO 25
101     IF(XOF1(N).EQ.0.0) GO TO 85
102     DTE=YOP(K)/XOF1(N)
103     DTE=PI-ATAN(DTE)
104     GO TO 95
105     25 DTE=-YOP(K)/XOF1(N)
106     DTE=ATAN(DTE)
107     95 IF(XS(N).LT.0.0) GO TO 96
108     TE2=DTE-TE
109     GO TO 35

```



```

17      DO 25 K=1,7
18      U=X1(K,N)
19      V=Y1(K,N)
20      C=0.0
21      12 IF(V.EQ.0.0) GO TO 16
22      R01=((U+A1*G1)**2+V**2)/4.0/A1/G1
23      R0=SQRT(1.0-U/R01)
24      TE=ATAN(V/(2.0*R01-U-A1*G1))
25      IF(TE.GE.0.0) GO TO 14
26      TE=PI+TE
27      14 S=1.0-R0**2*(1/G1)*COS(TE/G1)
28      T=R0**2*(1/G1)*SIN(TE/G1)
29      GO=2.0*A1/(S**2+T**2)
30      X=X01-A1+GO**2
31      Y=GO*T
32      GO TO 18
33      16 R0=ABS((U-A1*G1)/(U+A1*G1))
34      IF(((-A1*G1).LT.U).AND.(U.LT.(A1*G1))) GO TO 17
35      X=X01+A1*(1+R0**2*(1/G1))/(1-R0**2*(1/G1))
36      Y=0.0
37      GO TO 18
38      17 TE=PI
39      GO TO 14
40      18 IF(C.EQ.0.0) GO TO 19
41      X2(K,N)=X
42      IF(K.EQ.7) GO TO 35
43      Y2(K,N)=Y
44      GO TO 25
45      35 Y2(K,N)=0.0
46      GO TO 25
47      19 X1(K,N)=X

```

FORTRAN 00.00

DIFUZOR 28/06/78 22.44.12

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48      IF((K.EQ.7).AND.((N.EQ.1).OR.(N.EQ.J2))) GO TO 45
49      Y1(K,N)=Y
50      GO TO 55
51      45 Y1(K,N)=0.0
52      55 U=X2(K,N)
53      V=Y2(K,N)
54      C=1.0
55      GO TO 12
56      25 CONTINUE
57      20 CONTINUE
58      RETURN
59      END

```

FORTRAN 00.00

DIFUZOR 28/06/78 22.44.12

2

MODULE	XY	TYPE	C	LONGUEUR	1260 (04704)
MODULE	XOAG	TYPE	C	LONGUEUR	0480 (01200)
MODULE	CALC4	TYPE	P	LONGUEUR	0500 (01480)

***** FIN DE COMPILATION (PLUS HAUT NIVEAU D'ERREUR RENCONTRE = 0) 22.44.22
 SFG 34
 COMPILE FORTRAN, DBL
 FORTRAN 00.00 DIFUZOR 28/06/78 22.44.24

BUPT

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1 * SEGMENT XY
2 SUBROUTINE CALC5(P1,J2,XI,C1,C4,AF4,C3,AF3,C2,AF2)
3 DIMENSION X1(7,21),Y1(7,21),X2(7,21),Y2(7,21)
4 COMMON /XY/X1,Y1,X2,Y2
5 DO 6 N=1,J2
6 DO 6 K=1,7
7 U=X1(K,N)
8 V=Y1(K,N)
9 C=0.0
10 2 X=XI-U/(U**2+V**2)
11 Y=V/(U**2+V**2)
12 IF(C.EQ.0.0) GO TO 4
13 IF(K.EQ.7) GO TO 250
14 X2(K,N)=X
15 Y2(K,N)=Y
16 GO TO 6
17 250 Y2(K,N)=0.0
18 IF(N.EQ.1) GO TO 255
19 IF(N.EQ.J2) GO TO 260
20 X2(K,N)=X
21 GO TO 6
22 255 X2(K,N)=-1.0
23 GO TO 6
24 260 X2(K,N)=0.0
25 GO TO 6
26 4 IF((K.EQ.7).AND.(N.EQ.1)) GO TO 265
27 IF((K.EQ.7).AND.(N.EQ.J2)) GO TO 270
28 X1(K,N)=X
29 Y1(K,N)=Y
30 GO TO 275
31 265 X1(K,N)=-1.0
32 Y1(K,N)=0.0
33 GO TO 275
34 270 X1(K,N)=0.0
35 Y1(K,N)=0.0
36 275 U=X2(K,N)
37 V=Y2(K,N)
38 C=1.0
39 GO TO 2
40 6 CONTINUE
41 DO 20 N=1,J2
42 DO 20 K=1,7
43 X1(K,N)=C1*X1(K,N)
44 Y1(K,N)=C1*Y1(K,N)
45 X2(K,N)=C1*X2(K,N)
46 Y2(K,N)=C1*Y2(K,N)
47 20 CONTINUE

```

DIFUZOR 28/06/78 22.44.24

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FORTRAN 00.00

```

48 DO 120 N=1,J2
49 DO 120 K=1,7
50 U=X1(K,N)
51 V=Y1(K,N)
52 X1(K,N)=V
53 Y1(K,N)=-U
54 U=X2(K,N)
55 V=Y2(K,N)
56 X2(K,N)=V
57 Y2(K,N)=-U
58 120 CONTINUE

```

```

39      DO 56 N=1,J2
40      DO 56 K=1,7
41      U=X1(K,N)
42      V=Y1(K,N)
43      C=0.0
44      IF((U.EQ.0.0).AND.(V.EQ.0.0)) GO TO 52
45      R=SQRT(U**2+V**2)
46      IF(U.LT.0.0) GO TO 46
47      IF(U.EQ.0.0) GO TO 48
48      TE=ATAN(V/U)
49      GO TO 51
50      TE=ATAN(-V/U)
51      TE=PI-TE
52      GO TO 51
53      TE=PI/2.0
54      TE=TE+2.0*AF4/PI
55      R=R**+(2.0*AF4/PI)
56      X=R*COS(TE)
57      Y=R*SIN(TE)
58      GO TO 54
59      X=0.0
60      Y=0.0
61      IF(C.EQ.0.0) GO TO 45
62      X2(K,N)=X
63      Y2(K,N)=Y
64      GO TO 56
65      X1(K,N)=X
66      Y1(K,N)=Y
67      U=X2(K,N)
68      V=Y2(K,N)
69      C=1.0
70      GO TO 44
71      56 CONTINUE
72      DO 62 N=1,J2
73      DO 62 K=1,7
74      U=X1(K,N)

```

FORTRAN 00.00

DIPUZOR 28/06/78 22.44.24

2

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95      V=Y1(K,N)
96      C=0.0
97      50 X=U*COS(AF4)-V*SIN(AF4)+C4
98      Y=U*SIN(AF4)+V*COS(AF4)
99      IF(C.EQ.0.0) GO TO 58
100     X2(K,N)=X
101     IF(K.EQ.7) GO TO 110
102     Y2(K,N)=Y
103     GO TO 62
104     110 Y2(K,N)=0.0
105     GO TO 62
106     58 X1(K,N)=X
107     IF((K.EQ.7).AND.((N.EQ.1).OR.(N.EQ.J2))) GO TO 280
108     Y1(K,N)=Y
109     GO TO 285
110     280 Y1(K,N)=0.0
111     285 U=X2(K,N)
112     V=Y2(K,N)
113     C=1.0
114     GO TO 50
115     62 CONTINUE
116     DO 15 N=1,J2
117     DO 15 K=1,7
118     U=X1(K,N)
119     V=Y1(K,N)
120     C=0.0
121     8 IF((U.EQ.0.0).AND.(V.EQ.0.0)) GO TO 72
122     R=SQRT(U**2+V**2)
123     IF((U.GT.0.0).AND.(V.EQ.0.0)) GO TO 70

```



```

124      IF((U.LT.0.0).AND.(V.EQ.0.0)) GO TO 78
125      IF(U.LT.0.0) GO TO 76
126      IF(U.EQ.0.0) GO TO 40
127      TE=ATAN(V/U)
128      GO TO 81
129      40 TE=PI/2.0
130      GO TO 81
131      76 TE=ATAN(-V/U)
132      TE=PI-TE
133      GO TO 81
134      78 TE=PI
135      GO TO 81
136      70 TE=0.0
137      81 TE=TE+AF3/PI
138      R=R*(AF3/PI)
139      X=R*COS(TE)
140      Y=R*SIN(TE)
141      GO TO 84

```

FORTRAN 00.00

DIFUZOR 28/06/78 22.44.24

3

```

142      72 X=0.0
143      Y=0.0
144      84 IF(C.EQ.0.0) GO TO 21
145      IF(K.EQ.7) GO TO 290
146      X2(K,N)=X
147      Y2(K,N)=Y
148      GO TO 15
149      290 IF(N.EQ.J2) GO TO 295
150      X2(K,N)=0.0
151      Y2(K,N)=Y
152      GO TO 15
153      295 X2(K,N)=X
154      Y2(K,N)=0.0
155      GO TO 15
156      21 IF((K.EQ.7).AND.(N.EQ.1)) GO TO 300
157      IF((K.EQ.7).AND.(N.EQ.J2)) GO TO 305
158      X1(K,N)=X
159      Y1(K,N)=Y
160      GO TO 310
161      300 X1(K,N)=0.0
162      Y1(K,N)=Y
163      GO TO 310
164      305 X1(K,N)=X
165      Y1(K,N)=0.0
166      310 U=X2(K,N)
167      V=Y2(K,N)
168      C=1.0
169      GO TO 8
170      15 CONTINUE
171      DO 22 N=1,J2
172      DO 22 K=1,7
173      U=X1(K,N)
174      V=Y1(K,N)
175      C=0.0
176      10 X=U*COS(AF3)-V*SIN(AF3)+C3
177      Y=U*SIN(AF3)+V*COS(AF3)
178      IF(C.EQ.0.0) GO TO 12
179      IF((K.EQ.7).AND.(N.EQ.1)) GO TO 115
180      IF((K.EQ.7).AND.(N.EQ.J2)) GO TO 315
181      X2(K,N)=X
182      GO TO 320
183      315 X2(K,N)=C3
184      320 IF((K.EQ.7).AND.(N.EQ.J2)) GO TO 220
185      Y2(K,N)=Y
186      GO TO 22
187      115 X2(K,N)=0.0
188      Y2(K,N)=0.0

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```

189      GO TO 22
190      220 Y2(K,N)=0.0
191      GO TO 22
192      12 IF((K.EQ.7).AND.(N.EQ.1)) GO TO 325
193      IF((K.EQ.7).AND.(N.EQ.2)) GO TO 330
194      IF((K.EQ.7).AND.(N.EQ.J2)) GO TO 335
195      X1(K,N)=X
196      Y1(K,N)=Y
197      GO TO 340
198      325 X1(K,N)=0.0
199      Y1(K,N)=0.0
200      GO TO 340
201      330 X1(K,N)=0.0
202      Y1(K,N)=Y
203      GO TO 340
204      335 X1(K,N)=C3
205      Y1(K,N)=Y
206      340 U=X2(K,N)
207      V=Y2(K,N)
208      C=1.0
209      GO TO 10
210      22 CONTINUE
211      DO 36 N=1,J2
212      DO 36 K=1,7
213      U=X1(K,N)
214      V=Y1(K,N)
215      C=0.0
216      24 IF((U.EQ.0.0).AND.(V.EQ.0.0)) GO TO 32
217      R=SQRT(U**2+V**2)
218      IF((U.GT.0.0).AND.(V.EQ.0.0)) GO TO 30
219      IF((U.LT.0.0).AND.(V.EQ.0.0)) GO TO 28
220      IF(U.LT.0.0) GO TO 26
221      IF(U.EQ.0.0) GO TO 24
222      TE=ATAN(V/U)
223      GO TO 31
224      210 TE=PI/2.0
225      GO TO 31
226      26 TE=ATAN(-V/U)
227      TE=PI-TE
228      GO TO 31
229      28 TE=PI
230      GO TO 31
231      30 TE=0.0
232      31 TE=TE+2.0*AF2/PI
233      R=R**(2.0*AF2/PI)
234      X=R*COS(TE)+C2
235      Y=R*SIN(TE)

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```

236      GO TO 34
237      32 X=C2
238      Y=0.0
239      34 IF(C.EQ.0.0) GO TO 35
240      X2(K,N)=X
241      Y2(K,N)=Y
242      GO TO 36
243      35 X1(K,N)=X
244      Y1(K,N)=Y
245      U=X2(K,N)
246      V=Y2(K,N)
247      C=1.0
248      GO TO 24
249      36 CONTINUE

```

250
251
FORTRAN 00.00

RETURN
END

DIFUZOR 28/06/78 22.44.24

6

MODULE	XY	TYPE	C	LONGUEUR	1260 (04704)
MODULE	CALCS	TYPE	P	LONGUEUR	13AR (05032)

***** FIN DE COMPILATION (PLUS HAUT NIVEAU D'ERREUR RENCONTRE = 0) 22.44.55
* SEG 8A
* COMPILE FORTRAN,DBL
FORTRAN 00.00 DIFUZOR 28/06/78 22.44.56

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```
1 * SEGMENT XY,VG,VXVY,VABS
2 * DEFINE FILE *3=1A6
3 SUBROUTINE CALC6(PX,J2,C1,AF1)
4 DIMENSION X1(7,21),Y1(7,21),X2(7,21),Y2(7,21)
5 DIMENSION VX1(6,21),VY1(6,21),VX2(6,21),VY2(6,21)
6 DIMENSION V1(6,21),V2(6,21)
7 DIMENSION VG(21),VG1(21)
8 DIMENSION SM1(21),SM2(21)
9 DIMENSION O1(21),O2(21)
10 DIMENSION P1(21),P2(21)
11 DIMENSION S1(6),S2(6)
12 DIMENSION S11(7),S12(7)
13 DIMENSION F(A),F(A)
14 DIMENSION XC(52)
15 DIMENSION VC(52)
16 COMMON /VG/VG,VG1
17 COMMON /XY/X1,Y1,X2,Y2
18 COMMON /VXVY/VX1,VY1,VX2,VY2
19 COMMON /VARS/V1,V2
20 15 FORMAT('1',4X,'T A B E L U L X1( K , N ) , Y1( K , N )')
21 16 FORMAT('1',4X,'T A B E L U L X2( K , N ) , Y2( K , N )')
22 17 FORMAT('1',4X,'47('''))
23 18 FORMAT('0',12X,'DAR',I2)
24 19 FORMAT('1',2X,'87('''))
25 20 FORMAT('1',2X,'1** 1',7(10X,'1'))
26 21 FORMAT('1',2X,'1 ** K 1',7(15,5X,'1'))
27 22 FORMAT('1',2X,'1 ** 1',7(10X,'1'))
28 23 FORMAT('1',2X,'1 N **1',7(10X,'1'))
29 24 FORMAT('1',2X,'1 ,R5(''')'')
30 25 FORMAT('1',2X,'1 1 X 1',7(F9.6,'1'))
31 26 FORMAT('1',2X,'1 ,I2,' 1 1',7(10X,'1'))
32 27 FORMAT('1',2X,'1 1 Y 1',7(F9.6,'1'))
33 28 FORMAT('1',2X,'1-----',7('+',10('-'')), '1')
34 DO 40 N=1,J2
35 DO 40 K=1,7
36 U=X1(K,N)
37 V=Y1(K,N)
38 C=0.0
```

```

30 IF((U.EQ.0.0).AND.(V.EQ.0.0)) GO TO 37
40 R=SQRT(U**2+V**2)
41 IF((U.GT.0.0).AND.(V.EQ.0.0)) GO TO 34
42 IF((U.LT.0.0).AND.(V.EQ.0.0)) GO TO 32
43 IF(U.LT.0.0) GO TO 31
44 IF(U.EQ.0.0) GO TO 40
45 TE=ATAN(V/U)
46 GO TO 36
47 10 TE=PI/2.0

```

FORTRAN 00.00

DIFUZOR 28/06/78 22.44.56

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48 GO TO 36
49 31 TE=ATAN(-V/U)
50 TE=PI-TE
51 GO TO 36
52 32 TE=PI
53 GO TO 36
54 34 TE=0.0
55 36 TE=TE*AF1/PI
56 R=R*(AF1/PI)
57 X=R*COS(TE)+r1
58 Y=R*SIN(TE)
59 GO TO 38
60 37 X=C1
61 Y=0.0
62 38 IF(C.EQ.0.0) GO TO 39
63 X2(K,N)=X
64 Y2(K,N)=Y
65 GO TO 40
66 39 X1(K,N)=X
67 Y1(K,N)=Y
68 U=X2(K,N)
69 V=Y2(K,N)
70 C=1.0
71 GO TO 30
72 40 CONTINUE
73 PM=1/8.0
74 DO 410 N=1,J2
75 SM1(N)=0.0
76 SM2(N)=0.0
77 DO 405 K=1,6
78 SM1(N)=SM1(N)+SQRT((X1(K+1,N)-X1(K,N))**2+(Y1(K+1,N)-Y1(K,N))**2)
79 SM2(N)=SM2(N)+SQRT((V2(K+1,N)-X2(K,N))**2+(Y2(K+1,N)-Y2(K,N))**2)
80 405 CONTINUE
81 Q1(N)=VG(N)*SM1(N)/(1+PM)
82 Q2(N)=VG1(N)*SM2(N)/(1+PM)
83 410 CONTINUE
84 QM1=Q1(1)
85 DO 415 N=2,J2
86 IF(Q1(N).GT.QM1) GO TO 415
87 QM1=Q1(N)
88 415 CONTINUE
89 QM2=Q2(1)
90 DO 420 N=2,J2
91 IF(Q2(N).GT.QM2) GO TO 420
92 QM2=Q2(N)
93 420 CONTINUE
94 IF(QM2.LT.QM1) GO TO 422

```

FORTRAN 00.00

DIFUZOR 28/06/78 22.44.56

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95 Q=QM1
96 GO TO 425
97 422 Q=QM2
98 425 DO 430 N=1,J2
99 P1(N)=VG(N)*QM1(N)/Q-1.0

```

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100 P2(N)=VG1(N)+SM2(N)/a-1.0
101 430 CONTINUE
102 DO 485 N=1,J2
103 E1=1/(P1(N)+1)
104 E2=1/(P2(N)+1)
105 DO 435 K=2.6
106 S1(K)=((K-1)*Q*(1+P1(N))*SM1(N)**P1(N)/VG(N)/6.0)**E1
107 S2(K)=((K-1)*Q*(1+P2(N))*SM2(N)**P2(N)/VG1(N)/6.0)**E2
108 435 CONTINUE
109 S11(1)=0.0
110 S12(1)=0.0
111 DO 440 K1=2.7
112 S11(K1)=S11(K1-1)+SQRT((X1(K1,N)-X1(K1-1,N))**2+(Y1(K1,N)-Y1(K1-1,
113 1N))**2)
114 S12(K1)=S12(K1-1)+SQRT((X2(K1,N)-X2(K1-1,N))**2+(Y2(K1,N)-Y2(K1-1,
115 2N))**2)
116 440 CONTINUE
117 DO 455 K=2.6
118 K1=1
119 445 IF(S1(K).LE.S11(K1+1)) GO TO 450
120 K1=K1+1
121 GO TO 445
122 450 E(K)=X1(K1,N)+(S1(K)-S11(K1))*(X1(K1+1,N)-X1(K1,N))/(S11(K1+1)-S11
123 1(K1))
124 F(K)=Y1(K1,N)+(S1(K)-S11(K1))*(Y1(K1+1,N)-Y1(K1,N))/(S11(K1+1)-S11
125 2(K1))
126 455 CONTINUE
127 DO 460 K=2.6
128 X1(K,N)=E(K)
129 Y1(K,N)=F(K)
130 460 CONTINUE
131 DO 475 K=2.6
132 K1=1
133 465 IF(S2(K).LE.S12(K1+1)) GO TO 470
134 K1=K1+1
135 GO TO 465
136 470 E(K)=X2(K1,N)+(S2(K)-S12(K1))*(X2(K1+1,N)-X2(K1,N))/(S12(K1+1)-S12
137 1(K1))
138 F(K)=Y2(K1,N)+(S2(K)-S12(K1))*(Y2(K1+1,N)-Y2(K1,N))/(S12(K1+1)-S12
139 2(K1))
140 475 CONTINUE
141 DO 480 K=2.6

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FORTRAN 00.00

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142 X2(K,N)=E(K)
143 Y2(K,N)=F(K)
144 480 CONTINUE
145 485 CONTINUE
146 NP=0
147 DO 65 N=1,J2
148 IF(NP.EQ.0) GO TO 43
149 42 IF(NR.GT.0) PRINT 2R
150 PRINT 25,(X1(K,N),K=1,7)
151 PRINT 26,N
152 PRINT 27,(Y1(K,N),K=1,7)
153 NR=NR+1
154 IF(NR.LT.13) GO TO 65
155 PRINT 24
156 43 NR=0
157 NP=NP+1
158 PRINT 15
159 PRINT 17
160 PRINT 18, NP
161 PRINT 19
162 PRINT 20
163 PRINT 21,(K,K=1,7)
164 PRINT 22

```

```

165 PRINT 23
166 PRINT 24
167 IF(NP.EQ.1) GO TO 42
168
169 65 CONTINUE
170 PRINT 19
171 NP=0
172 DO 75 N=1,J2
173 IF(NP.EQ.0) GO TO 53
174 52 IF(NR.GT.0) PRINT 28
175 PRINT 25.(X2(K,N),K=1,7)
176 PRINT 26,N
177 PRINT 27.(Y2(K,N),K=1,7)
178 NR=NR+1
179 IF(NR.LT.13) GO TO 75
180 PRINT 24
181 53 NR=0
182 NP=NP+1
183 PRINT 16
184 PRINT 17
185 PRINT 18,NP
186 PRINT 19
187 PRINT 20
188 PRINT 21.(K,K=1,7)
189 PRINT 22

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FORTRAN 00.00

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189 PRINT 23
190 PRINT 24
191 IF(NP.EQ.1) GO TO 52
192 75 CONTINUE
193 PRINT 19
194 45 FORMAT(6X,'XC(',I2,')=',F17.14)
195 I2=J2-1
196 DO 165 K=1,J2
197 IF(K.EQ.1) GO TO 155
198 IF(K.GT.I2) GO TO 140
199 N=2*K+2
200 GO TO 150
201 155 N=2*K
202 GO TO 150
203 160 N=2*K+10
204 150 XC(N)=X2(7,K)
205 165 CONTINUE
206 N=3
207 DX=(XC(6)-XC(2))/4.0
208 170 XC(N)=XC(N-1)+DX
209 N=N+1
210 IF(N.LT.6) GO TO 170
211 175 XC(N+1)=(XC(N)+XC(N+2))/2.0
212 IF(N.EQ.40) GO TO 180
213 N=N+2
214 GO TO 175
215 180 N=N+3
216 DX=(XC(52)-XC(42))/10.0
217 185 XC(N)=XC(N-1)+DX
218 IF(N.EQ.51) GO TO 190
219 N=N+1
220 GO TO 185
221 190 DO 85 N=3,51
222 85 WRITE(106,45) N,XC(N)
223 DQ=Q/6.0
224 DO 100 N=1,J2
225 DO 100 K=1,6
226 VX1(K,N)=DQ*(Y1(K+1,N)-Y1(K,N))/((X1(K+1,N)-X1(K,N))**2+(Y1(K+1,N)
227 1-Y1(K,N))**2)
228 VY1(K,N)=-DQ*(X1(K+1,N)-X1(K,N))/((X1(K+1,N)-X1(K,N))**2+(Y1(K+1,N)
229 2)-Y1(K,N))**2)

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BIBLIOTECA CENTRALA


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230 V1(K,N)=SQRT(VX1(K,N)**2+VY1(K,N)**2)
231 VX2(K,N)=DQ*(Y>(K+1,N)-Y2(K,N))/(X2(K+1,N)-X2(K,N))**2+(Y2(K+1,N)
232 3-Y2(K,N))**2)
233 VY2(K,N)=-DQ*(X2(K+1,N)-X2(K,N))/(X2(K+1,N)-X2(K,N))**2+(Y2(K+1,N)
234 4)-Y2(K,N))**2)
235 V2(K,N)=SQRT(VX2(K,N)**2+VY2(K,N)**2)

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FORTRAN 00.00

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236 100 CONTINUE
237 115 FORMAT('1',42X,'T A B E L U L V X1( K , N ) , V Y1( K , N )')
238 116 FORMAT('1',42X,'T A B E L I I L V X2( K , N ) , V Y2( K , N )')
239 117 FORMAT(' ',40X,'51('=')')
240 118 FORMAT('0',123X,'PAR :',I3)
241 119 FORMAT(' ',23X,'83('=')')
242 120 FORMAT(' ',23X,'1** 1',6(11X,'1'))
243 121 FORMAT(' ',23X,'1 ** K 1',6(11X,'1'))
244 122 FORMAT(' ',23X,'1 ** 1',6(16.5X,'1'))
245 123 FORMAT(' ',23X,'1 ** 1',6(11X,'1'))
246 124 FORMAT(' ',23X,'1 N *1',6(11X,'1'))
247 125 FORMAT(' ',23X,'1',81('=')'1')
248 126 FORMAT(' ',23X,'1 1 VX 1',6(F10.7,'1'))
249 127 FORMAT(' ',23X,'1',I3,' 1 1',6(11X,'1'))
250 128 FORMAT(' ',23X,'1 1 VY 1',6(F10.7,'1'))
251 129 FORMAT(' ',23X,'1-----1.6('+'11('=')'1'))
252 NP=0
253 DO 130 N=1,J2
254 IF(NP.EQ.0) GO TO 132
255 133 IF(NR.GT.0) PRINT 129
256 PRINT 126,(VY1(K,N),K=1,6)
257 PRINT 127,N
258 PRINT 128,(VY1(K,N),K=1,6)
259 NR=NR+1
260 IF(NR.LT.13) GO TO 130
261 PRINT 125
262 132 NR=0
263 NP=NP+1
264 PRINT 115
265 PRINT 117
266 PRINT 118,NP
267 PRINT 119
268 PRINT 120
269 PRINT 121
270 PRINT 122,(K,K=1,6)
271 PRINT 123
272 PRINT 124
273 PRINT 125
274 IF(NP.EQ.1) GO TO 133
275 130 CONTINUE
276 PRINT 119
277 NP=0
278 DO 140 N=1,J2
279 IF(NP.EQ.0) GO TO 142
280 143 IF(NR.GT.0) PRINT 129
281 PRINT 126,(VY2(K,N),K=1,6)
282 PRINT 127,N

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283 PRINT 128,(VY2(K,N),K=1,6)
284 NR=NR+1
285 IF(NR.LT.13) GO TO 140
286 PRINT 125
287 142 NR=0
288 NP=NP+1
289 PRINT 116
290 PRINT 117

```

```

291      PRINT 118, NP
292      PRINT 119
293      PRINT 120
294      PRINT 121
295      PRINT 122, (K, K=1, 6)
296      PRINT 123
297      PRINT 124
298      PRINT 125
299      IF(NP.EQ.1) GO TO 143
300 140 CONTINUE
301      PRINT 119
302 215 FORMAT('1', 43X, 'TABELUL VITEZELOR ABSOLUT
303      1E V1')
304 216 FORMAT('1', 43X, 'TABELUL VITEZELOR ABSOLUT
305      2E V2')
306 217 FORMAT(' ', 41X, 60('='))
307 218 FORMAT('0', 124X, 'PAR ', I3)
308 219 FORMAT(' ', 30X, 78('='))
309 220 FORMAT(' ', 30X, 'I * K ', 6(11X, '1'))
310 221 FORMAT(' ', 30X, 'I * ', 6(16, 5X, '1'))
311 222 FORMAT(' ', 30X, 'I * ', 6(11X, '1'))
312 223 FORMAT(' ', 30X, 'I N * ', 6(11X, '1'))
313 224 FORMAT(' ', 30X, 'I ', 76('='))
314 225 FORMAT(' ', 30X, 'I ', 12, ' ', 6(F10.7, '1'))
315 228 FORMAT(' ', 30X, 'I ', 1, 6(11X, '1'))
316      NP=0
317      DO 226 N=1, J2
318      IF(NP.EQ.0) GO TO 229
319 230 PRINT 225, N, V1(K, N), K=1, 6)
320      NR=NR+1
321      PRINT 228
322      IF(NR.LT.20) GO TO 226
323      PRINT 224
324 229 NR=0
325      NP=NP+1
326      PRINT 215
327      PRINT 217
328      PRINT 218, NP
329      PRINT 219

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FORTRAN 00.00

DIFUZOR 28/06/78 22.44.56

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330      PRINT 220
331      PRINT 221, (K, K=1, 6)
332      PRINT 222
333      PRINT 223
334      PRINT 224
335      IF(NP.EQ.1) GO TO 230
336 226 CONTINUE
337      PRINT 219
338      NP=0
339      DO 236 N=1, J2
340 240 PRINT 225, N, V2(K, N), K=1, 6)
341      NR=NR+1
342      PRINT 228
343      IF(NR.LT.20) GO TO 236
344      PRINT 224
345 239 NR=0
346      NP=NP+1
347      PRINT 216
348      PRINT 217
349      PRINT 218, NP
350      PRINT 219
351      PRINT 220
352      PRINT 221, (K, K=1, 6)
353      PRINT 222
354      PRINT 223

```

```

356 PRINT 224
357 IF(NP.EQ.1) GO TO 240
358 236 CONTINUE
359 PRINT 219
360 235 FORMAT(6X,'VC('',I2,'')='',F16.14)
361 DO 265 K=1,J
362 IF(K.EQ.1) GO TO 255
363 IF(K.GT.I2) GO TO 240
364 N=2*K+2
365 GO TO 250
366 255 N=2*K
367 GO TO 250
368 260 N=2*K+10
369 250 VC(N)=VG1(K)
370 265 CONTINUE
371 N=3
372 DV=(VC(6)-VC(2))/4.0
373 270 VC(N)=VC(N-1)+DV
374 N=N+1
375 IF(N.LT.6) GO TO 270
376 275 VC(N+1)=(VC(N)+VC(N+2))/2.0

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FORTRAN 00.00

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377 IF(N.EQ.40) GO TO 280
378 N=N+2
379 GO TO 275
380 280 N=N+3
381 DV=(VC(52)-VC(42))/10.0
382 285 VC(N)=VC(N-1)+DV
383 IF(N.EQ.51) GO TO 290
384 N=N+1
385 GO TO 285
386 290 DO 295 N=3,51
387 295 WRITE(106,232) N,VC(N)
388 300 FORMAT(6X,'a='',E22.15)
389 WRITE(106,300) 0
390 RETURN
391 END

```

FORTRAN 00.00

DIFUZOR 28/06/78 22.44.56

9

MODULE	VABS	TYPE	C	LONGUEUR	07E0 (02016)
MODULE	VXVY	TYPE	C	LONGUEUR	0FC0 (04032)
MODULE	XY	TYPE	C	LONGUEUR	1260 (04704)
MODULE	VG	TYPE	C	LONGUEUR	0150 (00336)
MODULE	CALC6	TYPE	P	LONGUEUR	2840 (11072)

***** FIN DE COMPILATION (PLUS HAUT NIVEAU D'ERREUR RENCONTRE = 0)

22.45.54

```

1 * SEGMENT XY
2 * DEFINE FILE *3=106
3 SUBROUTINE CALC7(J2)
4   DIMENSION X1(7,21),Y1(7,21),X2(7,21),Y2(7,21)
5   DIMENSION nPsi(51)
6   DIMENSION P1(52),P2(52)
7   DIMENSION ns1(51),ns2(51)
8   COMMON /XY/X1,Y1,X2,Y2
9   3 FORMAT(6X,'DPSIC(','Y2')=' ,E22.15)
10  4 FORMAT(6X,'F1(','Y2')=' ,E22.15)
11 14 FORMAT(6X,'F2(','Y2')=' ,E22.15)
12  4 FORMAT(6X,'Dq1(','Y2')=' ,E22.15)
13 16 FORMAT(6X,'Dq2(','Y2')=' ,E22.15)
14   I2=J2-1
15   DO 165 N=1,I2
16   IF(N.EQ.1) GO TO 155
17   N1=2*N+2
18   GO TO 160
19 155 N1=2*N
20 160 DPSIC(N1)=SQRT((X2(7,N+1)-X2(7,N))**2+(Y2(7,N+1)-Y2(7,N))**2)
21 165 CONTINUE
22   N1=2
23   DDPSI=DPSIC(N1)/4.0
24 170 DPSIC(N1)=nDPSI
25   N1=N1+1
26   IF(N1.LT.6) GO TO 170
27 175 C=0.0
28   DDPSI=DPSIC(N1)/2.0
29 180 DPSIC(N1)=nDPSI
30   IF(C.EQ.1.0) GO TO 185
31   N1=N1+1
32   C=1.0
33   GO TO 180
34 185 IF(N1.GT.40) GO TO 190
35   N1=N1+1
36   GO TO 175
37 190 N1=N1+1
38   DDPSI=DPSIC(N1)/10.0
39 195 DPSIC(N1)=nDPSI
40   N1=N1+1
41   IF(N1.LE.51) GO TO 195
42   DO 265 N=1,I2
43   IF(N.EQ.1) GO TO 255
44   N1=2*N+2
45   GO TO 260
46 255 N1=2*N
47 260 DS1(N1)=0.0

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```

48   DS2(N1)=0.0
49   DO 9 K=2,6
50   DS1(N1)=DS1(N1)+SQRT((X1(K+1,N)-X1(K,N))**2+(Y1(K+1,N)-Y1(K,N))**2)
51  3)+SQRT((X1(K,N+1)-X1(K,N))**2+(Y1(K,N+1)-Y1(K,N))**2)
52   DS2(N1)=DS2(N1)+SQRT((X2(K+1,N)-X2(K,N))**2+(Y2(K+1,N)-Y2(K,N))**2)
53  4)+SQRT((X2(K,N+1)-X2(K,N))**2+(Y2(K,N+1)-Y2(K,N))**2)
54   9 CONTINUE
55 265 CONTINUE
56   N1=2
57   DDS1=DS1(N1)/4.0
58   DDS2=DS2(N1)/4.0
59 270 DS1(N1)=DDS1

```

```

60      DS2(N1)=DDC2
61      N1=N1+1
62      IF(N1.LT.6) GO TO 270
63      275 C=0.0
64      DDS1=DS1(N1)/2.0
65      DDS2=DS2(N1)/2.0
66      280 DS1(N1)=DDC1
67      DS2(N1)=DDC2
68      IF(C.EQ.1.0) GO TO 285
69      N1=N1+1
70      C=1.0
71      GO TO 280
72      285 IF(N1.GT.40) GO TO 290
73      N1=N1+1
74      GO TO 275
75      290 N1=N1+1
76      DDS1=DS1(N1)/10.0
77      DDS2=DS2(N1)/10.0
78      295 DS1(N1)=DDC1
79      DS2(N1)=DDC2
80      N1=N1+1
81      IF(N1.LE.51) GO TO 295
82      DO 350 N=1,J2
83      IF(N.EQ.1) GO TO 355
84      IF(N.GT.12) GO TO 360
85      N1=2*N+2
86      GO TO 365
87      355 N1=2*N
88      GO TO 365
89      360 N1=2*N+10
90      365 FI1(N1)=0.0
91      FI2(N1)=0.0
92      DO 19 K=2,A
93      FI1(N1)=FI1(N1)+SQRT((X1(K+1,N)-X1(K,N))**2+(Y1(K+1,N)-Y1(K,N))**2
94      1)

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FORTRAN 00.00

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95      FI2(N1)=FI2(N1)+SQRT((X2(K+1,N)-X2(K,N))**2+(Y2(K+1,N)-Y2(K,N))**2
96      2)
97      19 CONTINUE
98      350 CONTINUE
99      N1=3
100     DFI1=(FI1(6)-FI1(2))/4.0
101     DFI2=(FI2(6)-FI2(2))/4.0
102     370 FI1(N1)=FI1(N1-1)+n*DFI1
103     FI2(N1)=FI2(N1-1)+n*DFI2
104     N1=N1+1
105     IF(N1.LT.6) GO TO 370
106     375 FI1(N1+1)=(FY1(N1)+FY1(N1+2))/2.0
107     FI2(N1+1)=(FY2(N1)+FY2(N1+2))/2.0
108     IF(N1.EQ.40) GO TO 380
109     N1=N1+2
110     GO TO 375
111     380 N1=N1+3
112     DFI1=(FI1(52)-FI1(42))/10.0
113     DFI2=(FI2(52)-FI2(42))/10.0
114     385 FI1(N1)=FI1(N1-1)+n*DFI1
115     FI2(N1)=FI2(N1-1)+n*DFI2
116     IF(N1.EQ.51) GO TO 390
117     N1=N1+1
118     GO TO 385
119     390 I3=2+J2+9
120     DO 20 N=2,I3
121     20 WRITE(106,3) N,DPSIC(N)
122     DO 30 N=2,I3
123     30 WRITE(106,4) N,FI1(N)
124     DO 40 N=2,I3

```

```

125      40 WRITE(106,14) N,FI2(N)
126      DO 50 N=2,13
127      50 WRITE(106,6) N,DS1(N)
128      DO 60 N=2,13
129      60 WRITE(106,16) N,DS2(N)
130      RETURN
131      END

```

FORTRAN 00.00

DIFUZOR 28/06/78 22.45.56

3

MODULE	XY	TYPE	C	LONGUEUR	1260 (04704)
MODULE	CALC7	TYPE	P	LONGUEUR	1260 (04832)

```

**** FIN DE COMPILATION (PLUS HAUT NIVEAU D'ERREUR RENCONTRE = 0) 22.46.17
: TREE RADPRINC+VG+XY(RAD1+XpYp+XSYs+XOAG(S1,S2,S3,S4);RAD2+
: VxVY+VABS(S5,S6,S7))
:

```


0181 DIFUZOR AN = 0000 PH = 0001 P106 = 28/06/78
H.DEB = 22H 41M 31S H.FIN = 22H 46M 19S TIME = 00020917
L.D = 00040 MEM = 00012 LO = IN = 01800 OUT = 00000
XJ/XG = ; F = G = HF. G = ;

LINK
LINK STARTED

AUCUNE ERREUR A L'EDITION DE LIENS

0181 DIFUZOR AN = 0000 PH = 0002 P106 = 28/06/78
HINES = 22H 46M 19S H:FIN = 52H 49M 11S TIME = 00003310
LCP = 00040 MEM = 00015 LO = IN = 00000 OUT = 00000
X1/XG- JF. *G= HF. G- }

RUN TIME:999.NL:500000
STARTED

```

                                     H= .5000000
                                     *****
C1=  .86670000E+00      AF1=  .26183310E+01
C2=  .10007011E+01      AF2=  .49615948E+00
C3=  .37254219E+03      AF3=  .15707967E+01
C4=  .14468311E+03      AF4=  .55948668E+00
CI=  .15907179E+36
XI=  .50000000E+00
```

TABELUL X0(K1) , A(K1) , G(K1)

PAGE 1

```

*****
| X0( 1)= .000000000000000E+00 | A( 1)= .195000000000000E+01 | G( 1)= .200000000000000E+01 |
| X0( 2)= .389700540747025E+01 | A( 2)= .424489252974913E-02 | G( 2)= .193536450482457E+01 |
| X0( 3)= -.238375367650577E-02 | A( 3)= .440450495195414E-02 | G( 3)= .200000000000000E+01 |
| X0( 4)= -.229712661477382E+00 | A( 4)= .225091499035821E+00 | G( 4)= .152996639399563E+01 |
| X0( 5)= -.244394786456027E+00 | A( 5)= .652215108704885E-01 | G( 5)= .200000000000000E+01 |
| X0( 6)= -.451276001710540E+00 | A( 6)= .368952643009841E+00 | G( 6)= .200000000000000E+01 |
| X0( 7)= -.194175442805428E+00 | A( 7)= .661801510514427E+00 | G( 7)= .200000000000000E+01 |
| X0( 8)= -.218034429929620E+01 | A( 8)= .166597777310155E+01 | G( 8)= .200000000000000E+01 |
| X0( 9)= -.255414356845376E+00 | A( 9)= .288185483001087E+01 | G( 9)= .155019794937567E+01 |
| X0(10)= -.270348245574314E+01 | A(10)= .226164660374796E+01 | G(10)= .112004440826421E+01 |
| X0(11)= -.817844992116190E+01 | A(11)= .602311876165794E+00 | G(11)= .200000000000000E+01 |
| X0(12)= -.239148576173329E+01 | A(12)= .331808170234447E+01 | G(12)= .137803960182047E+01 |
| X0(13)= -.461123707120911E+01 | A(13)= .741852373383285E-01 | G(13)= .125920193560974E+01 |
| X0(14)= -.470566651213775E+00 | A(14)= .544005606643879E+00 | G(14)= .103351482378394E+01 |
| X0(15)= -.580460722799615E+00 | A(15)= .107996186545385E-02 | G(15)= .196825365803953E+01 |
| X0(16)= -.832171115364041E+02 | A(16)= .996227010288209E-02 | G(16)= .125459213595740E+01 |
| X0(17)= -.127230389873754E-01 | A(17)= .735158724433395E-05 | G(17)= .149239305517797E+01 |
| X0(18)= .106940086294050E-03 | A(18)= .117360879719844E-03 | G(18)= .102590993251856E+01 |
| X0(19)= -.120643854011971E-03 | A(19)= .242161818267765E-04 | G(19)= .134534981315264E+01 |
*****

```

XPM= .11445143E+02

TABELUL X1(K, N) , Y1(K, N)
 =====

PAG 1 1

**	K	1	2	3	4	5	6	7
N	**							
1	X	2.172446	.258824	.162582	.104047	.061483	.027865	.000000
	Y	.213449	.461779	.475992	.484636	.490921	.495885	.500000
2	X	2.172446	.651329	.559560	.503320	.462229	.429660	.402588
	Y	.213449	.453156	.470226	.480686	.488328	.494386	.499421
3	X	2.172446	.846428	.756217	.700604	.659823	.627411	.600412
	Y	.213449	.441681	.460513	.472120	.480631	.487396	.493030
4	X	2.172446	1.042124	.954017	.899295	.858977	.826822	.799963
	Y	.213449	.434896	.456632	.470129	.480073	.488003	.494628
5	X	2.172446	1.237434	1.151941	1.098322	1.058563	1.026704	.999992
	Y	.213449	.420162	.445311	.461085	.472782	.482155	.490013
6	X	2.172446	1.429428	1.347915	1.296057	1.257264	1.225975	1.199606
	Y	.213449	.399453	.429131	.448008	.462129	.473518	.483117
7	X	2.172446	1.617573	1.542177	1.493215	1.456101	1.425875	1.400204
	Y	.213449	.370266	.406216	.429562	.447259	.461671	.473912
8	X	2.172446	1.791203	1.727152	1.684210	1.650993	1.623534	1.599934
	Y	.213449	.327199	.372434	.402761	.426219	.445611	.462279
9	X	2.172446	1.945228	1.899899	1.847573	1.841575	1.819453	1.800000
	Y	.213449	.281762	.333692	.370708	.400480	.425812	.448088
10	X	2.172446	2.067727	2.028244	2.000509	2.003213	2.001534	2.000000
	Y	.213449	.261747	.298112	.332028	.368669	.401391	.431296
11	X	2.172446	2.181123	2.187860	2.193140	2.196789	2.198688	2.200000
	Y	.213449	.253372	.287508	.319906	.351301	.381962	.411986
12	X	2.172446	2.275812	2.323697	2.358414	2.373624	2.387351	2.400000
	Y	.213449	.241477	.267331	.293638	.328985	.360885	.390281
13	X	2.172446	2.399126	2.460121	2.504638	2.540984	2.572256	2.600000
	Y	.213449	.225506	.268277	.299493	.324980	.346909	.366364

TABELUL XI(K, N) , Y1(K, N)
 =====

**	** K	1	2	3	4	5	6	7
N	**							
14	X	2-172446	2-540684	2-624824	2-682619	2-728333	2-758679	2-800000
	Y	.213449	.249407	.278888	.299256	.315315	.328779	.340482
15	X	2-172446	2-703343	2-802712	2-849326	2-920837	2-963413	3-000000
	Y	.213449	.254949	.274377	.287396	.297464	.305786	.312937
16	X	2-172446	2-875842	2-986914	3-049853	3-115535	3-161122	3-200000
	Y	.213449	.247867	.260276	.268425	.274645	.279738	.284082
17	X	2-172446	3-057560	3-176949	3-254115	3-312432	3-359822	3-400000
	Y	.213449	.233780	.240941	.245568	.249066	.251908	.254318
18	X	2-172446	3-233778	3-362751	3-445338	3-507383	3-557586	3-600000
	Y	.213449	.214946	.218165	.220226	.221795	.223028	.224086
19	X	2-172446	3-412014	3-549732	3-647274	3-702739	3-755324	3-800000
	Y	.213449	.193899	.193886	.193878	.193872	.193867	.193863
20	X	2-172446	3-593446	3-738727	3-840498	3-898852	3-953805	4-000000
	Y	.213449	.171706	.169007	.167301	.166031	.165010	.164151
21	X	2-172446	4-316930	4-693159	4-802524	4-882632	4-946608	5-000000
	Y	.213449	.069789	.059478	.053090	.048392	.044648	.041624

T A B E L U L X2(K, N) , Y2(K, N)

**	** K	1	2	3	4	5	6	7
N	**							
1	X	2.172446	.758844	.162582	.104047	.064483	.027869	.000000
	Y	.213449	.461779	.475992	.488036	.490929	.495885	.500000
2	X	2.172446	.611143	.917482	.600280	.418424	.385299	.357689
	Y	.213449	.280836	.285565	.288462	.290578	.292253	.293649
3	X	2.172446	.786486	.694104	.647235	.595564	.562464	.534964
	Y	.213449	.195410	.193942	.193039	.192377	.191851	.191413
4	X	2.172446	.962027	.871120	.845125	.773786	.740856	.713375
	Y	.213449	.113869	.104594	.098853	.094628	.091262	.088453
5	X	2.172446	1.138952	1.050870	.995909	.955282	.922801	.895617
	Y	.213449	.049828	.031795	.020539	.012219	.005567	.000000
6	X	2.172446	1.339787	1.254735	1.200976	1.160949	1.128706	1.101621
	Y	.213449	.060714	.039032	.025328	.015116	.006963	.000000
7	X	2.172446	1.537279	1.456892	1.405146	1.366139	1.334506	1.307717
	Y	.213449	.077264	.050207	.032794	.019663	.009013	.000000
8	X	2.172446	1.726358	1.654536	1.606689	1.569862	1.539719	1.513948
	Y	.213449	.103858	.068604	.045253	.027334	.012603	.000000
9	X	2.172446	1.892853	1.837409	1.798865	1.768355	1.742700	1.720349
	Y	.213449	.146229	.099230	.066557	.040694	.018946	.000000
10	X	2.172446	2.041802	1.994561	1.948519	1.912982	1.883908	1.860955
	Y	.213449	.158993	.125584	.091156	.057080	.027090	.000000
11	X	2.172446	2.158743	2.119491	2.072400	2.037898	2.0135267	2.0133795
	Y	.213449	.164444	.127166	.093125	.060831	.029887	.000000
12	X	2.172446	2.244003	2.281251	2.307203	2.323261	2.332386	2.340886
	Y	.213449	.161479	.127988	.095379	.062895	.030333	.000000
13	X	2.172446	2.377790	2.431037	2.448094	2.498527	2.524824	2.548235
	Y	.213449	.166194	.119803	.081922	.050813	.023931	.000000

TABELUL X2(K, N) / Y2(K, N)

**	** K	1	2	3	4	5	6	7
N	**							
14	X	2.172446	2.515517	2.592936	2.646642	2.689103	2.726277	2.755833
	Y	.213449	.125501	.085078	.057028	.034852	.016220	.000000
15	X	2.172446	2.680576	2.775225	2.838824	2.888008	2.928686	2.963659
	Y	.213449	.096107	.063956	.042381	.025683	.011873	.000000
16	X	2.172446	2.857391	2.965044	3.035756	3.089750	3.133962	3.171672
	Y	.213449	.078390	.051539	.033901	.020433	.009406	.000000
17	X	2.172446	3.044103	3.161150	3.236802	3.293974	3.340433	3.379822
	Y	.213449	.066075	.043038	.028149	.016896	.007752	.000000
18	X	2.172446	3.227303	3.354413	3.438767	3.496867	3.546292	3.588043
	Y	.213449	.058618	.037963	.024744	.014815	.006784	.000000
19	X	2.172446	3.411918	3.548238	3.636152	3.699983	3.752240	3.796262
	Y	.213449	.053176	.034289	.022291	.013321	.006091	.000000
20	X	2.172446	3.600073	3.746653	3.835926	3.903883	3.958500	4.004403
	Y	.213449	.048712	.031294	.020298	.012110	.005530	.000000
21	X	2.172446	3.791630	3.949359	4.032324	4.088263	4.146608	4.200000
	Y	.213449	.049789	.039478	.033090	.024839	.014648	.004524

TABELUL VX1(K, N) , VY1(R, N)

**	** K	1	2	3	4	5	6
1	VX	-0014936	-0384285	-0626960	-0862224	-1094659	-1317023
	VY	-0130508	-2382081	-4249804	-5839001	-7392767	-8948947
2	VX	-0025675	-0497247	-0844747	-1144641	-1464692	-1886323
	VY	-0162904	-2674447	-4364491	-5973538	-7536429	-9066798
3	VX	-0032015	-0562863	-0943248	-1245366	-1566964	-1884445
	VY	-0186004	-2696937	-4375793	-5967124	-7508034	-9013290
4	VX	-0042394	-0660960	-1078948	-1464408	-1846474	-2198225
	VY	-0216368	-2746362	-4374009	-5937464	-7444794	-8942733
5	VX	-0057246	-0804358	-1282367	-1729404	-2158230	-2574447
	VY	-0258940	-2734409	-4358944	-5878428	-7336064	-8749746
6	VX	-0080518	-1004412	-1573982	-2164037	-2668732	-3095394
	VY	-0321632	-2750260	-4324052	-5780220	-7166722	-8503684
7	VX	-0119779	-1304520	-2044965	-2658250	-3263970	-3845051
	VY	-0423818	-2744274	-4225854	-5574973	-6849340	-8059778
8	VX	-0182497	-1864250	-2786597	-3602552	-4357844	-5070383
	VY	-0611655	-2645386	-3945738	-5104406	-6170531	-7170540
9	VX	-0304214	-2774430	-3892194	-4839367	-5687572	-6467696
	VY	-1025069	-2422832	-3398945	-4226084	-4966798	-5648059
10	VX	-0922436	-3204489	-5107494	-6912536	-7740255	-8469596
	VY	-1999815	-3479820	-3486559	-0354584	-0397043	-0434455
11	VX	-0674379	-7159466	-7635563	-7981024	-8250890	-8444902
	VY	-1318815	-1415115	-1244461	-0927584	-0510879	-0369049
12	VX	-0620531	-2217003	-3521466	-6064846	-6717123	-7289493
	VY	-2288524	-4106264	-4646729	-2608466	-2890438	-3136604
13	VX	-0059417	-1957442	-2681627	-3284408	-3847356	-4302723
	VY	-1117131	-2791022	-3824489	-4683798	-5443819	-6135987

TABELUL V X1(K , N) , V Y1(K , N)

PAG : 2

**	** K	1	2	3	4	5	6
N	**						
14	VX	-0066706	-0945830	-1369021	-1736408	-2071010	-2382787
	VY	-0683122	-2693069	-3898022	-4944087	-5896801	-6784527
15	VX	-0037169	-0480966	-0717691	-0928090	-1122883	-1306698
	VY	-0475459	-2460827	-3672009	-4748500	-5745142	-6685617
16	VX	-0017624	-0252279	-0384167	-0503235	-0614680	-0720734
	VY	-0360169	-2258167	-3438698	-4504485	-5502040	-6451327
17	VX	-0006587	-0127111	-0196663	-0260226	-0320230	-0377707
	VY	-0286759	-2119444	-3279143	-4339002	-5339502	-6297870
18	VX	-0000337	-0049112	-0076697	-0102088	-0126177	-0149341
	VY	-0239273	-1967771	-3072995	-4090332	-5055502	-5983597
19	VX	-0003230	-0000168	-0000264	-0000353	-0000438	-0000520
	VY	-0204817	-1843977	-2900857	-3879186	-4811001	-5709737
20	VX	-0005245	-0032471	-0051404	-0069014	-0085844	-0102118
	VY	-0178557	-1747375	-2766229	-3713922	-4619601	-5495400
21	VX	-0006612	-0082027	-0135648	-0184390	-0231460	-0277346
	VY	-0107912	-1436096	-2318351	-3151386	-3955859	-4740087

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TABELUL V XZ (K, N) ; V YZ (K, N)

N	K	1	2	3	4	5	6
1	VX	-0016936	-0384785	-0676966	-0862271	-1094659	-1317023
	VY	-0130508	-2582081	-4245804	-5839001	-7392767	-8948947
2	VX	-0007007	-0134889	-0223485	-0305958	-0386084	-0464555
	VY	-0102348	-2707613	-4420470	-6031761	-7636613	-9188753
3	VX	-0002384	-0067655	-0070916	-0096781	-0121842	-0146333
	VY	-0183198	-2748183	-4464362	-6092581	-7670240	-9212103
4	VX	-0017145	-0287116	-0457088	-0621366	-0780019	-0936685
	VY	-0208395	-2770108	-4472314	-6079666	-7631983	-9145293
5	VX	-0037948	-0564869	-0908182	-1228379	-1536734	-1836194
	VY	-0239763	-2767969	-4434570	-5999038	-7503733	-8965969
6	VX	-0054123	-0714496	-1130727	-1517519	-1887062	-2244284
	VY	-0295057	-2803591	-4435587	-5952885	-7402442	-8803822
7	VX	-0084956	-0934101	-1483694	-1968196	-2424588	-2866406
	VY	-0382239	-2837788	-4468219	-5867887	-7269856	-8516639
8	VX	-0131878	-1396162	-2098975	-2734713	-3327036	-3888716
	VY	-0536844	-2842750	-4292204	-5592228	-6803473	-7952055
9	VX	-0206437	-2250712	-3249765	-4105573	-4882397	-5604360
	VY	-0858650	-2665153	-3833690	-4843272	-5759678	-6611366
10	VX	-0490309	-2512819	-4731202	-6169725	-7010345	-7760722
	VY	-1656088	-3575798	-3537519	-2813151	-3196440	-3538582
11	VX	-4804468	-6410914	-7149843	-7713756	-8147987	-8476250
	VY	-1346290	-1588256	-1489291	-1075470	-0692666	-0417602
12	VX	-1687389	-3380701	-4767817	-6282494	-7231066	-7762417
	VY	-2323376	-3769959	-3794427	-3105685	-2026315	-2175212
13	VX	-0270283	-2365149	-3425591	-4174261	-4827294	-5422487
	VY	-1174498	-2711258	-3351095	-4080550	-4722316	-5304566

TABELUL V X2(K, N) , V Y2(K, N)

**	** K	1	2	3	4	5	6
N	*						
14	VX	-0178038	-1344366	-1940298	-2454178	-2921101	-3355386
	VY	-0694538	-2577877	-3715072	-4698995	-5593009	-6424531
15	VX	-0109569	-0814322	-1216469	-1571750	-1900440	-2210435
	VY	-0474468	-2404482	-3583120	-4629603	-5597762	-6510852
16	VX	-0070371	-0553940	-0843261	-1104396	-1348772	-1581293
	VY	-0356881	-2220862	-3380810	-4427758	-5407512	-6339736
17	VX	-0047889	-0411093	-0636040	-0841622	-1035692	-1221591
	VY	-0283243	-2088713	-3231641	-4276182	-5262230	-6206759
18	VX	-0034591	-0316289	-0494179	-0657985	-0813433	-0962939
	VY	-0235665	-1946473	-3041225	-4049302	-5005939	-5926015
19	VX	-0026057	-0255578	-0397566	-0531835	-0659759	-0783170
	VY	-0201512	-1825487	-2873375	-3843796	-4768355	-5660299
20	VX	-0020256	-0208584	-0330406	-0443772	-0552148	-0656975
	VY	-0175544	-1731322	-2742489	-3683472	-4583032	-5453132
21	VX	-0006612	-0084027	-0135648	-0184390	-0231460	-0277346
	VY	-0107912	-1436096	-2318351	-3151386	-3955859	-4740087

TABELUL VITEZELOR ABSOLUTE V1

PAG 1 1

K	1	2	3	4	5	6
1	.0131683	.2410084	.4291844	.5907978	.7472932	.9015662
2	.0166945	.2720311	.4439357	.6075977	.7665671	.9222283
3	.0188740	.2755047	.4470077	.6095693	.7669807	.9207497
4	.0220482	.2797761	.4505700	.6115385	.7667884	.9179815
5	.0265193	.2849969	.4543630	.6127540	.7646948	.9120505
6	.0331557	.2926800	.4601613	.6151253	.7626754	.9049534
7	.0440419	.3040274	.4681659	.6176294	.7583651	.8929113
8	.0638301	.3238583	.4830525	.6244971	.7554202	.8789434
9	.1070403	.3683419	.5167398	.6424894	.7550997	.8586714
10	.2202305	.4730325	.6184057	.6921625	.7750432	.8480732
11	.6216090	.7298175	.7736311	.8034746	.8266691	.8449965
12	.2371160	.4666531	.5830155	.6599248	.7312618	.7935403
13	.1118710	.3408843	.4670712	.5720603	.6648862	.7494249
14	.0686371	.2854333	.4131440	.5240144	.6249907	.7190791
15	.0476910	.2507388	.3741488	.4838348	.5853847	.6812117
16	.0360600	.2272216	.3460091	.4532508	.5536269	.6491462
17	.0286835	.2123252	.3285035	.4346798	.5349096	.6309187
18	.0239273	.1968383	.3073952	.4091605	.5057077	.5985461
19	.0204843	.1843977	.2900857	.3879186	.4811001	.5709737
20	.0178634	.1747676	.2766707	.3714563	.4620399	.5496349

TABELUL VITEZELOR ABSOLUTE V1
 =====

PAG 1 2

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*****
|* K |
| * |   1 |   2 |   3 |   4 |   5 |   6 |
| * |
| N *|
|====|
| 21 | -0108115 | -1438552 | -2322316 | .3156776 | -3962624 | .4748194 |
|   |
|====|
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TABELUL VITEZELOR ABSOLUTE V2

PAG 1 1

K	1	2	3	4	5	6
1	.0131463	.2410081	.4291844	.5907318	.7472932	.9015662
2	.0162498	.2711071	.4426114	.6058490	.7666367	.9200489
3	.0183214	.2748530	.4464925	.6093350	.7671207	.9213325
4	.0209099	.2784538	.4495611	.6111336	.7671740	.9192933
5	.0242689	.2825419	.4526611	.6123550	.7659475	.9152060
6	.0299980	.2893252	.4577442	.6143264	.7639181	.9085378
7	.0390926	.2994204	.4651196	.6170217	.7607256	.8986068
8	.0552805	.3164455	.4777940	.6225083	.7573402	.8851966
9	.0883117	.3493863	.5025749	.6349253	.7550609	.8667123
10	.1794200	.4370422	.5907479	.6780806	.7704684	.8529383
11	.4989530	.6613460	.7303303	.7788368	.8177376	.8486531
12	.2871474	.5069779	.6093419	.7008210	.7509611	.8061431
13	.1205196	.3595923	.4792130	.5835264	.6753002	.7585630
14	.0716994	.2908290	.4191243	.5301277	.6309880	.7247980
15	.0486955	.2539274	.3783986	.4889133	.5911566	.6875843
16	.0363753	.2288903	.3484389	.4563413	.5573183	.6533968
17	.0287263	.2128784	.3293638	.4358218	.5363182	.6325832
18	.0238190	.1972003	.3081114	.4102413	.5071597	.6003741
19	.0203189	.1842878	.2900749	.3880414	.4813781	.5714223
20	.0176709	.1743841	.2762320	.3710107	.4616173	.5492565

TABELUL VITEZELOR ABSOLUTE V2

* K	1	2	3	4	5	6
N *						
21	-0108445	-1438552	-2322316	.3156776	.3962624	.4748194

STOP

0181 DIFUZOR AN = 0000 PH = 0003 P106 = 28/06/78
H. DEB = 22H 49M 11S H. FIN = 22 50M 55S TIME = 00009730
LAP = 00040 MEM = 00023 LO = IN = 00001 OUT = 00351
XJ/XG- JF. +G- HF. G- ;

EOJ

SEMIDIFUZOR PLAN CU DESPRINDERE

$\text{ALFA} = 30^{\circ}$ $H = 0.5$ $A_1 = 0.03 \text{ m}$ $B = 0.06 \text{ m}$

FUNCTIE DE PRESIUNE

FORTRAN 00.00

43 XD(19)= 1.72569264407896
 44 XD(20)= 1.81086035140517
 45 XD(21)= 1.92542794127298
 46 XD(22)= 2.02404828750631
 47 XD(23)= 2.11059107681743
 XD(24)= 2.2001907303785

DIFUZOR 28/06/78 22.53.49

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48 XD(25)= 2.32216551262727
 49 XD(26)= 2.43378820530273
 50 XD(27)= 2.52863781624976
 51 XD(28)= 2.63009427020885
 52 XD(29)= 2.73281831758978
 53 XD(30)= 2.84731183424586
 54 XD(31)= 2.94741019664643
 55 XD(32)= 3.04068161287194
 56 XD(33)= 3.14890271095042
 57 XD(34)= 3.25035712044149
 58 XD(35)= 3.34053241329358
 59 XD(36)= 3.44122509028305
 60 XD(37)= 3.55623697322676
 61 XD(38)= 3.64020419357277
 62 XD(39)= 3.75884920005519
 63 XD(40)= 3.86024516994434
 64 XD(41)= 3.95805724789361
 65 XD(42)= 4.05793922004331
 66 XD(43)= 4.15767167763297
 67 XD(44)= 4.25011050469160
 68 XD(45)= 4.35258479235636
 69 XD(46)= 4.44877565605265
 70 XD(47)= 4.54830371087663
 71 XD(48)= 4.65151569802784
 72 XD(49)= 4.74867745958572
 73 XD(50)= 4.84402730293528
 74 XD(51)= 4.94203949305622
 75 XD(52)= 5.03867273802760
 76 XD(53)= 5.13301999288596
 77 XD(54)= 5.23065444260458
 78 XD(55)= 5.32453008643164
 79 XD(56)= 5.42339814668136
 80 XD(57)= 5.51725857487448
 81 XD(58)= 5.61350085954896
 82 XD(59)= 5.70767119453709
 83 XD(60)= 5.79866282046277
 84 XD(61)= 5.88450032648919
 85 XD(62)= 6.00259671887172
 86 XC(1)= -.10289077742864
 87 XC(2)= -.00171700000000
 88 XC(3)= .08042216354876
 89 XC(4)= .17884432709751
 90 XC(5)= .26826649066427
 91 XC(6)= .35768865249502
 92 XC(7)= .44629628809382
 93 XC(8)= .53290392388442
 94 XC(9)= .62413945517989

DIFUZOR 28/06/78 22.53.49

2

FORTRAN 00.00

95 XC(10)= .71337498667835
 96 XC(11)= .80149621471616
 97 XC(12)= .89561744275397
 98 XC(13)= .99861933086387
 99 XC(14)= 1.10462123607377
 100 XC(15)= 1.20266887648102
 101 XC(16)= 1.30771651438827
 102 XC(17)= 1.41083205051588

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101 XC(18)= 1.51794758444750
104 XC(19)= 1.61714835774020
105 XC(20)= 1.720349130883690
10A XC(21)= 1.82365230477871
107 XC(22)= 1.92495548272051
10R XC(23)= 2.03037514107332
10Q XC(24)= 2.1379479942612
110 XC(25)= 2.23734026448940
111 XC(26)= 2.34088572993867
112 XC(27)= 2.44256014736417
113 XC(28)= 2.54823456478967
114 XC(29)= 2.65003394564789
115 XC(30)= 2.75483332450610
11A XC(31)= 2.85974604834942
117 XC(32)= 2.96765877013273
11R XC(33)= 3.06766559922917
11Q XC(34)= 3.17467242832560
120 XC(35)= 3.27974710133620
121 XC(36)= 3.37982177434680
122 XC(37)= 3.48293214479371
123 XC(38)= 3.58804251346061
124 XC(39)= 3.69215223444478
125 XC(40)= 3.79226195944894
12A XC(41)= 3.90033267054734
127 XC(42)= 4.00440339042573
12R XC(43)= 4.10796305948316
12Q XC(44)= 4.20752271954058
130 XC(45)= 4.30308237959801
131 XC(46)= 4.40564203945544
132 XC(47)= 4.50520169071286
133 XC(48)= 4.60176135077029
134 XC(49)= 4.70432101082772
135 XC(50)= 4.80088067088514
136 XC(51)= 4.90044033092257
137 XC(52)= 4.99450200000000
13R XC(53)= 5.09294800000000
13Q XC(54)= 5.19243600000000
140 XC(55)= 5.29034000000000
141 XC(56)= 5.38885700000000

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FORTRAN 00.00

DIFUZOR 28/06/78 22.53.49

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142 XC(57)= 5.48190700000000
143 XC(58)= 5.58052900000000
144 XC(59)= 5.67737400000000
145 XC(60)= 5.75886400000000
14A XC(61)= 5.85056500000000
147 XC(62)= 6.00259600000000
14R VD( 1)=1.03650479185314
14Q VD( 2)=1.02235876396596
150 VD( 3)=1.01141250144358
151 VD( 4)=1.00625981092419
152 VD( 5)=1.00227877649472
153 VD( 6)=1.00010866190924
154 VD( 7)= .99743424090899
155 VD( 8)= .99445024698412
15A VD( 9)= .99126726897875
157 VD(10)= .98782215988018
15R VD(11)= .98350018756069
15Q VD(12)= .97707850228266
160 VD(13)= .97108872114966
161 VD(14)= .96520920357536
162 VD(15)= .95747369276288
163 VD(16)= .94946830289829
164 VD(17)= .93878989226188
165 VD(18)= .92910719628002
16A VD(19)= .91529778062498
167 VD(20)= .90365990970277

```

16R	VD(21)=	.8R9774720R1439
16Q	VD(22)=	.875R5369604135
17R	VD(23)=	.86234123433R92
171	VD(24)=	.84654627R04754
172	VD(25)=	.832R6561357588
173	VD(26)=	.81655529468750
174	VD(27)=	.802R18879R4745
175	VD(28)=	.785529587R9248
176	VD(29)=	.77111751242072
177	VD(30)=	.754R97103R241
178	VD(31)=	.739R3065357R75
179	VD(32)=	.72430061641703
18R	VD(33)=	.710R9909017015
181	VD(34)=	.69594193330R03
182	VD(35)=	.68252249149399
183	VD(36)=	.67024676274743
184	VD(37)=	.6557823933R067
185	VD(38)=	.64434940572326
186	VD(39)=	.63120344633R19
187	VD(40)=	.619051039R3142
18R	VD(41)=	.60944748611189

FORTRAN 00.00

DIFUZOR 28/06/78 22.53.49

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189	VD(42)=	.59917583380235
19R	VD(43)=	.5R951916A44584
191	VD(44)=	.58056526644676
192	VD(45)=	.572R480039A627
193	VD(46)=	.5645224983R4151
194	VD(47)=	.55629393R50586
195	VD(48)=	.5494240662R603
196	VD(49)=	.54272012513R84
197	VD(50)=	.5365933217A292
198	VD(51)=	.531R241087R480
199	VD(52)=	.52552R73805R08
20R	VD(53)=	.520R3367086R49
201	VD(54)=	.51576198R4A643
202	VD(55)=	.50977232R55368
203	VD(56)=	.5051569152R187
204	VD(57)=	.49616933137725
205	VD(58)=	.489057052R7075
206	VD(59)=	.48142260135489
207	VD(60)=	.47147R799R4473
208	VD(61)=	.463A3309464510
209	VD(62)=	.45613435R03902
21R	VC(1)=	.960A7517002900
211	VC(2)=	.97900390000000
212	VC(3)=	.9R4A28902A6718
213	VC(4)=	.9R935390529435
214	VC(5)=	.994R7R90702453
215	VC(6)=	.998R039105R870
216	VC(7)=	.909R8586710287
217	VC(8)=	.90926782410705
21R	VC(9)=	.99775096709735
219	VC(10)=	.99613411179765
22R	VC(11)=	.99358495917869
221	VC(12)=	.99023580654972
222	VC(13)=	.9R5R0179845R30
223	VC(14)=	.9R116779035A87
224	VC(15)=	.97432R8110R058
225	VC(16)=	.9A7289833A2229
226	VC(17)=	.958R2R7497R530
227	VC(18)=	.94855166578831
228	VC(19)=	.93401R353A0534
229	VC(20)=	.921569041R2237
23R	VC(21)=	.906A9513R75609
231	VC(22)=	.892421236A4R980
232	VC(23)=	.8775539R3R2366

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FORTRAN 00.00

VC(24)= .86208657145752
VC(25)= .84726436460679
VC(26)= .83174215805606

DI FUZOR 28/06/78 22.53.49

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VC(27)= .81515714773904
VC(28)= .79857213742202
VC(29)= .78461689518776
VC(30)= .77066165315350
VC(31)= .75292359000111
VC(32)= .73518552642872
VC(33)= .71815164074138
VC(34)= .70111775483405
VC(35)= .69086898826491
VC(36)= .68062022140576
VC(37)= .66382003323479
VC(38)= .64701984477381
VC(39)= .63179861681112
VC(40)= .61657738884843
VC(41)= .60403146545280
VC(42)= .59328534205717
VC(43)= .58520700789146
VC(44)= .57752847364974
VC(45)= .56964993944002
VC(46)= .56177140523430
VC(47)= .55389287102859
VC(48)= .54601433682287
VC(49)= .53813580261715
VC(50)= .53025726841143
VC(51)= .52237873420572
VC(52)= .51450020000000
VC(53)= .51042100000000
VC(54)= .51042760000000
VC(55)= .50836420000000
VC(56)= .51050010000000
VC(57)= .50163490000000
VC(58)= .50642190000000
VC(59)= .50478700000000
VC(60)= .50835290000000
VC(61)= .52423640000000
VC(62)= .53247240000000
QM = .152369024987465E+00
GA = .806489037274875E+01
SM = .146437353180846E+01
DPSID(1)= .972631800144021E-01
DPSID(2)= .954658287107351E-01
DPSID(3)= .100541102078947E+00
DPSID(4)= .104724053604122E+00
DPSID(5)= .100853172595815E+00
DPSID(6)= .103130801327124E+00
DPSID(7)= .997451575137308E-01
DPSID(8)= .100968750963047E+00

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FORTRAN 00.00

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DPSID(9)= .980699986887550E-01
DPSID(10)= .999827250923813E-01
DPSID(11)= .101422889028918E+00
DPSID(12)= .10137021053087E+00
DPSID(13)= .984350086198870E-01
DPSID(14)= .106907880954710E+00
DPSID(15)= .951715451650044E-01
DPSID(16)= .111880878309809E+00
DPSID(17)= .915494071850240E-01
DPSID(18)= .116268194824307E+00
DPSID(19)= .941677073262102E-01


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294 DPSID(20)= 1n55475R9867811E+00
295 DPSID(21)= 9R62n74A321327E-01
296 DPSID(22)= 955427R9223127E-01
297 DPSID(23)= 1n9427997120419E+00
298 DPSID(24)= 9314A47R88942n7E-01
299 DPSID(25)= 111622A926734E+00
300 DPSID(26)= 94840A1n94703E-01
301 DPSID(27)= 1n945A4579590R9E+00
302 DPSID(28)= 95724A4718092A4E-01
303 DPSID(29)= 11349741R6560R3E+00
304 DPSID(30)= 9609B7An3705721E-01
305 DPSID(31)= 1n6271416255511E+00
306 DPSID(32)= 99311n0Rn78477E-01
307 DPSID(33)= 1n15644181910A5E+00
308 DPSID(34)= 9R9752R41520974E-01
309 DPSID(35)= 94692AR598946A9E-01
310 DPSID(36)= 115011R739437n9E+00
311 DPSID(37)= 9296722n34600R4E-01
312 DPSID(38)= 1n9645n06482421E+00
313 DPSID(39)= 1n13950698891E3E+00
314 DPSID(40)= 97812n77949262R-01
315 DPSID(41)= 998810721497024E-01
316 DPSID(42)= 9973225758965AR-01
317 DPSID(43)= 1n143R27n58675E+00
318 DPSID(44)= 9447422966475R4E-01
319 DPSID(45)= 9519n9n1696294E-01
320 DPSID(46)= 99528nA782397AR-01
321 DPSID(47)= 1n321197R1512n7E+00
322 DPSID(48)= 971617A155488E9E-01
323 DPSID(49)= 97340R27352557E-01
324 DPSID(50)= 9601219n12093AR-01
325 DPSID(51)= 9663322497138AR-01
326 DPSID(52)= 9434722285836nA-01
327 DPSID(53)= 976344A97186242E-01
328 DPSID(54)= 94873A478270549E-01
329 DPSID(55)= 9686RnAn2497214E-01

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FORTRAN 00.00

DIFUZOR

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330 DPSID(56)= 908606281931227E-01
331 DPSID(57)= 992422R269448n5E-01
332 DPSID(58)= 9417n77196813nA-01
333 DPSID(59)= 82991A2R6256749E-01
334 DPSID(60)= 938375n67264274E-01
335 DPSID(61)= 120n9A702382524E+00
336 DPSIC( 1)= 1n1174751429724E+00
337 DPSIC( 2)= 1n32357779584R6E+00
338 DPSIC( 3)= 1n32357779584R6E+00
339 DPSIC( 4)= 1n32357779584R6E+00
340 DPSIC( 5)= 1n32357779584R6E+00
341 DPSIC( 6)= 1n22953Rn071543E+00
342 DPSIC( 7)= 1n22953Rn071543E+00
343 DPSIC( 8)= 1n302n271751717E+00
344 DPSIC( 9)= 1n302n271751717E+00
345 DPSIC(10)= 1n1287n9R7803E7E+00
346 DPSIC(11)= 1n1287n9R7803E7E+00
347 DPSIC(12)= 1n3001R97109809E+00
348 DPSIC(13)= 1n3001R97109809E+00
349 DPSIC(14)= 1n3047A39707253E+00
350 DPSIC(15)= 1n3047A39707253E+00
351 DPSIC(16)= 1n3115534127613E+00
352 DPSIC(17)= 1n3115534127613E+00
353 DPSIC(18)= 1n32n07730967n4E+00
354 DPSIC(19)= 1n32n07730967n4E+00
355 DPSIC(20)= 1n33n31759418n5E+00
356 DPSIC(21)= 1n33n31759418n5E+00
357 DPSIC(22)= 1n3410A583528n4E+00
358 DPSIC(23)= 1n3410A583528n4E+00

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359 DPSIC(24)= 103545265256275E+00
360 DPSIC(25)= 103545265256275E+00
361 DPSIC(26)= 103674417425507E+00
362 DPSIC(27)= 103674417425507E+00
363 DPSIC(28)= 103790380858215E+00
364 DPSIC(29)= 103790380858215E+00
365 DPSIC(30)= 103912721813313E+00
366 DPSIC(31)= 103912721813313E+00
367 DPSIC(32)= 104004829096475E+00
368 DPSIC(33)= 104004829096475E+00
369 DPSIC(34)= 104074673010508E+00
370 DPSIC(35)= 104074673010508E+00
371 DPSIC(36)= 104110369406908E+00
372 DPSIC(37)= 104110369406908E+00
373 DPSIC(38)= 1041007232541A2E+00
374 DPSIC(39)= 1041007232541A2E+00
375 DPSIC(40)= 104070719878306E+00
376 DPSIC(41)= 104070719878306E+00

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FORTRAN 00.00

DIFUZOR

28/06/78 22.53.49

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377 DPSIC(42)= 996462167805311E-01
378 DPSIC(43)= 996462167805311E-01
379 DPSIC(44)= 996462167805311E-01
380 DPSIC(45)= 996462167805311E-01
381 DPSIC(46)= 996462167805311E-01
382 DPSIC(47)= 996462167805311E-01
383 DPSIC(48)= 996462167805311E-01
384 DPSIC(49)= 996462167805311E-01
385 DPSIC(50)= 996462167805311E-01
386 DPSIC(51)= 996462167805311E-01
387 DPSIC(52)= 988097806747805E-01
388 DPSIC(53)= 997637926000452E-01
389 DPSIC(54)= 961354057853281E-01
390 DPSIC(55)= 986682964938586E-01
391 DPSIC(56)= 931630293718337E-01
392 DPSIC(57)= 986800352610726E-01
393 DPSIC(58)= 928790841955280E-01
394 DPSIC(59)= 855040154160330E-01
395 DPSIC(60)= 917040997829432E-01
396 DPSIC(61)= 154031093812256E+00
397 FI( 1)= .500407099768667E+00
398 FI( 2)= .500705359712998E+00
399 FI( 3)= .501024655575542E+00
400 FI( 4)= .500985883753894E+00
401 FI( 5)= .500397372660984E+00
402 FI( 6)= .500701286406910E+00
403 FI( 7)= .501317745452941E+00
404 FI( 8)= .502246772513422E+00
405 FI( 9)= .503550070199265E+00
406 FI(10)= .504261266814201E+00
407 FI(11)= .507439990385968E+00
408 FI(12)= .510067904300469E+00
409 FI(13)= .511225980052187E+00
410 FI(14)= .517077247697652E+00
411 FI(15)= .521289168299644E+00
412 FI(16)= .524251608243660E+00
413 FI(17)= .532029071012165E+00
414 FI(18)= .538005321532988E+00
415 FI(19)= .544498312872500E+00
416 FI(20)= .552388448146543E+00
417 FI(21)= .560789490075547E+00
418 FI(22)= .569354883888992E+00
419 FI(23)= .578748317481413E+00
420 FI(24)= .588947558857546E+00
421 FI(25)= .590462833062676E+00
422 FI(26)= .610949614744160E+00
423 FI(27)= .622442855932628E+00

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424	FI(28)=	.635141813697343E+00
425	FI(29)=	.647550971111822E+00
426	FI(30)=	.661948847255212E+00
427	FI(31)=	.677920940715483E+00
428	FI(32)=	.689533840008550E+00
429	FI(33)=	.707614535718740E+00
430	FI(34)=	.718284320401161E+00
431	FI(35)=	.732879260006782E+00
432	FI(36)=	.747598978778076E+00
433	FI(37)=	.763555135441278E+00
434	FI(38)=	.778070667819355E+00
435	FI(39)=	.797024091150661E+00
436	FI(40)=	.809232592127255E+00
437	FI(41)=	.827860724221052E+00
438	FI(42)=	.838569624701434E+00
439	FI(43)=	.857046009497380E+00
440	FI(44)=	.867434891887092E+00
441	FI(45)=	.885596047872075E+00
442	FI(46)=	.897594825768984E+00
443	FI(47)=	.9064413617982757E+00
444	FI(48)=	.918903624178777E+00
445	FI(49)=	.9302407777228834E+00
446	FI(50)=	.941100884459633E+00
447	FI(51)=	.951104622021979E+00
448	FI(52)=	.960177592767119E+00
449	FI(53)=	.968444417093897E+00
450	FI(54)=	.975778557480679E+00
451	FI(55)=	.982401327799930E+00
452	FI(56)=	.987793164188476E+00
453	FI(57)=	.992793557127087E+00
454	FI(58)=	.998259401704812E+00
455	FI(59)=	.998467715727820E+00
456	FI(60)=	.100214586934025E+01
457	FI(61)=	.100460154958662E+01
458	FI(62)=	.101825770557241E+01
459	FI(2)=	.241640290310805E+00
460	FI(3)=	.259484705576918E+00
461	FI(4)=	.257328500843032E+00
462	FI(5)=	.25517260649145E+00
463	FI(6)=	.253016711775259E+00
464	FI(7)=	.252177098521262E+00
465	FI(8)=	.251337485667266E+00
466	FI(9)=	.250787922268589E+00
467	FI(10)=	.249438787269912E+00
468	FI(11)=	.248465851191316E+00
469	FI(12)=	.247493349112720E+00
470	FI(13)=	.246044802306862E+00

471	FI(14)=	.244596465501004E+00
472	FI(15)=	.242705620110470E+00
473	FI(16)=	.240814790719935E+00
474	FI(17)=	.237486776281669E+00
475	FI(18)=	.236158762243402E+00
476	FI(19)=	.237489044209517E+00
477	FI(20)=	.230819366475631E+00
478	FI(21)=	.207486278507848E+00
479	FI(22)=	.104149190840064E+00
480	FI(23)=	.177074888912641E+00
481	FI(24)=	.140000586985217E+00
482	FI(25)=	.1819410412666E+00
483	FI(26)=	.203187693840115E+00
484	FI(27)=	.224263430083083E+00

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485 FI1(28)= 275739274326052E+00
486 FI1(29)= 240093082138461E+00
487 FI1(30)= 274846927950870E+00
488 FI1(31)= 288573774857891E+00
489 FI1(32)= 302300625744911E+00
490 FI1(33)= 314237577857457E+00
491 FI1(34)= 326174529950004E+00
492 FI1(35)= 324415085291595E+00
493 FI1(36)= 323055640633185E+00
494 FI1(37)= 324695995371496E+00
495 FI1(38)= 366336350109806E+00
496 FI1(39)= 3771611400139389E+00
497 FI1(40)= 387985970168971E+00
498 FI1(41)= 397305310760186E+00
499 FI1(42)= 406624669351402E+00
500 FI1(43)= 414351820284934E+00
501 FI1(44)= 422079029618465E+00
502 FI1(45)= 429806209751997E+00
503 FI1(46)= 437533380885529E+00
504 FI1(47)= 445260570019061E+00
505 FI1(48)= 452987750152593E+00
506 FI1(49)= 460714930286124E+00
507 FI1(50)= 468442110419656E+00
508 FI1(51)= 476169200553188E+00
509 FI2( 2)= 241640200310803E+00
510 FI2( 3)= 259672202720283E+00
511 FI2( 4)= 257704295129761E+00
512 FI2( 5)= 255736297539239E+00
513 FI2( 6)= 253768299948716E+00
514 FI2( 7)= 252691207980337E+00
515 FI2( 8)= 251614144011958E+00
516 FI2( 9)= 250790692468310E+00
517 FI2(10)= 249967248924662E+00

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FORTRAN 00.00

DIFUZOR 28/06/78 22.53.49

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518 FI2(11)= 249160808934047E+00
519 FI2(12)= 248154748943433E+00
520 FI2(13)= 247068596501815E+00
521 FI2(14)= 245782744000197E+00
522 FI2(15)= 243997162573351E+00
523 FI2(16)= 242211561086505E+00
524 FI2(17)= 239313174558906E+00
525 FI2(18)= 236414702031307E+00
526 FI2(19)= 231278984871169E+00
527 FI2(20)= 226143181711031E+00
528 FI2(21)= 213710801645509E+00
529 FI2(22)= 201278421579987E+00
530 FI2(23)= 184016824237174E+00
531 FI2(24)= 146753230894361E+00
532 FI2(25)= 180037813975142E+00
533 FI2(26)= 103320304255923E+00
534 FI2(27)= 215768401346446E+00
535 FI2(28)= 238216404436965E+00
536 FI2(29)= 24455975544189E+00
537 FI2(30)= 27109554471414E+00
538 FI2(31)= 285023940508976E+00
539 FI2(32)= 208052201346539E+00
540 FI2(33)= 311431227432633E+00
541 FI2(34)= 323910140518727E+00
542 FI2(35)= 323034700170369E+00
543 FI2(36)= 322159257822011E+00
544 FI2(37)= 353815140344157E+00
545 FI2(38)= 345471080866303E+00
546 FI2(39)= 376728141031590E+00
547 FI2(40)= 387985201196878E+00
548 FI2(41)= 307619744707304E+00
549 FI2(42)= 407254272217729E+00

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550 FI2(43)= .4149184090664628E+00
551 FI2(44)= .422982711911527E+00
552 FI2(45)= .430246934758426E+00
553 FI2(46)= .437911151685325E+00
554 FI2(47)= .445575471252224E+00
555 FI2(48)= .453239501209123E+00
556 FI2(49)= .460903841146022E+00
557 FI2(50)= .468568030992922E+00
558 FI2(51)= .4762322298839821E+00
559 DS( 1)= .492848105781112E-01
560 DS( 2)= .482881750400751E-01
561 DS( 3)= .503017150746046E-01
562 DS( 4)= .521955781114114E-01
563 DS( 5)= .502311888438194E-01
564 DS( 6)= .512247029426375E-01

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FORTRAN 00.00

DIFUZOR 28/06/78 22.53.49

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565 DS( 7)= .499403705879285E-01
566 DS( 8)= .505519964474074E-01
567 DS( 9)= .493540672942850E-01
568 DS(10)= .503822061067473E-01
569 DS(11)= .512339477209498E-01
570 DS(12)= .512732642015750E-01
571 DS(13)= .502337048134491E-01
572 DS(14)= .547273759593485E-01
573 DS(15)= .497178850070258E-01
574 DS(16)= .578184750252455E-01
575 DS(17)= .480904852300288E-01
576 DS(18)= .610507004741433E-01
577 DS(19)= .515145900841680E-01
578 DS(20)= .577869467239113E-01
579 DS(21)= .552314062051851E-01
580 DS(22)= .542653614613931E-01
581 DS(23)= .625104474350563E-01
582 DS(24)= .550573721286126E-01
583 DS(25)= .658962873353016E-01
584 DS(26)= .580825620457884E-01
585 DS(27)= .672997035068631E-01
586 DS(28)= .600149538915005E-01
587 DS(29)= .722050637889880E-01
588 DS(30)= .637390227984812E-01
589 DS(31)= .711612327100225E-01
590 DS(32)= .682805255434812E-01
591 DS(33)= .713513613046197E-01
592 DS(34)= .711815965023180E-01
593 DS(35)= .677579442834317E-01
594 DS(36)= .848939674324894E-01
595 DS(37)= .714188432441467E-01
596 DS(38)= .844725090212391E-01
597 DS(39)= .804522927703948E-01
598 DS(40)= .794309318435357E-01
599 DS(41)= .824958942724950E-01
600 DS(42)= .841017841369461E-01
601 DS(43)= .860148852137045E-01
602 DS(44)= .830267169884640E-01
603 DS(45)= .847666601370480E-01
604 DS(46)= .895507954032285E-01
605 DS(47)= .930168192324088E-01
606 DS(48)= .902876068941750E-01
607 DS(49)= .9170652284110617E-01
608 DS(50)= .913208921364949E-01
609 DS(51)= .920703430029889E-01
610 DS(52)= .922970235705984E-01
611 DS(53)= .954272986804435E-01

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FORTRAN 00.00

DIFUZOR 28/06/78 22.53.49

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612 DS(54)= .941127674266894E-01
613 DS(55)= .947462498764380E-01
614 DS(56)= .931179690269748E-01
615 DS(57)= .974307290236951E-01
616 DS(58)= .924090650874006E-01
617 DS(59)= .898094230805272E-01
618 DS(60)= .935850665016914E-01
619 DS(61)= .130154337322352E+00
620 DS1( 2)= .259514072068813E-01
621 DS1( 3)= .259514072068813E-01
622 DS1( 4)= .259514072068813E-01
623 DS1( 5)= .259514072068813E-01
624 DS1( 6)= .248808435227158E-01
625 DS1( 7)= .248808435227158E-01
626 DS1( 8)= .248302600598695E-01
627 DS1( 9)= .248302600598695E-01
628 DS1(10)= .246843351067635E-01
629 DS1(11)= .246843351067635E-01
630 DS1(12)= .242874044097583E-01
631 DS1(13)= .242874044097583E-01
632 DS1(14)= .248734329327808E-01
633 DS1(15)= .248734329327808E-01
634 DS1(16)= .226380978277168E-01
635 DS1(17)= .226380978277168E-01
636 DS1(18)= .208123337669458E-01
637 DS1(19)= .208123337669458E-01
638 DS1(20)= .158610868672517E-01
639 DS1(21)= .158610868672517E-01
640 DS1(22)= .159431160014297E-01
641 DS1(23)= .159431160014297E-01
642 DS1(24)= .121493533419382E-01
643 DS1(25)= .121493533419382E-01
644 DS1(26)= .150442044327284E-01
645 DS1(27)= .150442044327284E-01
646 DS1(28)= .206703127576613E-01
647 DS1(29)= .206703127576613E-01
648 DS1(30)= .246721848581463E-01
649 DS1(31)= .246721848581463E-01
650 DS1(32)= .280075879262262E-01
651 DS1(33)= .280075879262262E-01
652 DS1(34)= .311526535583619E-01
653 DS1(35)= .311526535583619E-01
654 DS1(36)= .321433007055788E-01
655 DS1(37)= .321433007055788E-01
656 DS1(38)= .345769787153026E-01
657 DS1(39)= .345769787153026E-01
658 DS1(40)= .349980542228463E-01

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FORTRAN 00.00

DIFUZOR 28/06/78 22.53.49

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659 DS1(41)= .369980564228463E-01
660 DS1(42)= .300741706190340E-01
661 DS1(43)= .300741706190340E-01
662 DS1(44)= .300741706190340E-01
663 DS1(45)= .300741706190340E-01
664 DS1(46)= .300741706190340E-01
665 DS1(47)= .300741706190340E-01
666 DS1(48)= .300741706190340E-01
667 DS1(49)= .300741706190340E-01
668 DS1(50)= .300741706190340E-01
669 DS1(51)= .300741706190340E-01
670 DS2( 2)= .243408901230208E-01
671 DS2( 3)= .243408901230208E-01
672 DS2( 4)= .243408901230208E-01
673 DS2( 5)= .243408901230208E-01
674 DS2( 6)= .252279346336325E-01
675 DS2( 7)= .252279346336325E-01
676 DS2( 8)= .249678754726416E-01

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677 DS2( 9)= .229678752756416E-01
678 DS2(10)= .242203402627435E-01
679 DS2(11)= .242203402627435E-01
680 DS2(12)= .252815820192944E-01
681 DS2(13)= .252815820192944E-01
682 DS2(14)= .248245562429560E-01
683 DS2(15)= .248245562429560E-01
684 DS2(16)= .249606908270368E-01
685 DS2(17)= .249606908270368E-01
686 DS2(18)= .220268305252082E-01
687 DS2(19)= .220268305252082E-01
688 DS2(20)= .188793427666797E-01
689 DS2(21)= .188793427666797E-01
690 DS2(22)= .159587241995002E-01
691 DS2(23)= .159587241995002E-01
692 DS2(24)= .124440276878390E-01
693 DS2(25)= .124440276878390E-01
694 DS2(26)= .154070701456797E-01
695 DS2(27)= .154070701456797E-01
696 DS2(28)= .20327132921874E-01
697 DS2(29)= .20327132921874E-01
698 DS2(30)= .250760816538447E-01
699 DS2(31)= .250760816538447E-01
700 DS2(32)= .285119880168803E-01
701 DS2(33)= .285119880168803E-01
702 DS2(34)= .317955223271946E-01
703 DS2(35)= .317955223271946E-01
704 DS2(36)= .331228303076802E-01
705 DS2(37)= .331228303076802E-01

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FORTRAN 00.00

DIFUZOR 28/06/78 22.53.49

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706 DS2(38)= .355037290639128E-01
707 DS2(39)= .355037290639128E-01
708 DS2(40)= .380875775999128E-01
709 DS2(41)= .380875775999128E-01
710 DS2(42)= .386578100600533E-01
711 DS2(43)= .386578100600533E-01
712 DS2(44)= .386578100600533E-01
713 DS2(45)= .386578100600533E-01
714 DS2(46)= .386578100600533E-01
715 DS2(47)= .386578100600533E-01
716 DS2(48)= .386578100600533E-01
717 DS2(49)= .386578100600533E-01
718 DS2(50)= .386578100600533E-01
719 DS2(51)= .386578100600533E-01
720 I2=62
721 R=0.00015
722 CC=0.0770*(1-H)/H
723 CD=0.0254*(1-H)/H
724 CPD=0.04
725 ALFA=(1-H)*A1/H/DG
726 ALFA=ATAN(ALFA)
727 CPP=0.43*ALFA*(1-H)/H
728 CPR=0.022*(1-H)/H
729 DO 20 L=1,3
730 VM=VM1(L)
731 CV1=CV(L)
732 DPF=0.0
733 DPO=0.0
734 DPP=0.0
735 DPF1=0.0
736 DPF2=0.0
737 DPR=0.0
738 PRINT 4,A1,B,RO,VM,CV1
739 PRINT 6
740 DO 20 N=1,I2
741 XC1=A1*XC(N)/H

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742 XCM=1.9*H/(1-H)
743 XCN=0.5*(H/(1-H)-1.0)
744 IF((XC(N).IF.XCN).OR.(XC(N).GE.(XCN+XCM))) GO TO 45
745 CKC=SQRT(1.0-CC*(XC(N)-XCN)*(XC(N)-XCN-XCM))
746 VCC=CKC+VC(N)
747 GO TO 50
748 45 VCC=VC(N)
749 50 PCT=RO+VM**2*(1.0-VCC**2)/2.0
750 PCR=PCT-DPF-nPD-nPP-nPF1-nPF2-DPR
751 XD1=A1*XD(N)/H
752 XDM=3.5*H/(1-H)

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DIFUZOR 28/06/78 22.53.49

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FORTRAN 00.00

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753 XDN=2.0*(H/(1-H)-1.0)
754 IF(XD(N).LE.VDN) GO TO 100
755 IF(XD(N).GE.(XDN+XDM)) GO TO 65
756 CKD=SQRT(1.0-CD*(XD(N)-XDN-XDM))
757 VDC=CKD+VD(N)
758 GO TO 70
759 100 CKD=SQRT(1.0+CD*(2*XD(N)-2*XDN+XDM))
760 VDC=CKD+VD(N)
761 GO TO 70
762 65 VDC=VD(N)
763 70 PDT=RO+VM**2*(1.0-VDC**2)/2.0
764 PDR=PDT-DPF-nPD-nPP-nPF1-nPF2-DPR
765 PRINT 8,N,nPE,nPD,nPP,DPF1,DPF2,DPR,XC1,PCT,PCR,XD1,PDT,PDR
766 IF(N.EQ.12) GO TO 20
767 IF((N.EQ.1).OR.(N.GT.51)) GO TO 10
768 DH=4.0*A1*B+FI(N)/(R+H+2*A1*FI(N))
769 RE=4.0*A1*B+VM/CV1/(R+2.0*A1*FI(N)/H)
770 GO TO 11
771 10 DH=2.0*A1*B+FI(N)/(B+H+A1*FI(N))
772 RE=2.0*A1*B+VM/CV1/(R+A1*FI(N)/H)
773 11 CPL=0.1*(1.4A+R/DH+100/RE)**0.25
774 IF((N.EQ.1).OR.(N.GT.51)) GO TO 12
775 DDPF=RO+VM**2*H**2+CPI*(DPF1D(N)+2*A1*DS(N)/B/H)/FI(N)**3/8.0
776 GO TO 13
777 12 DDPF=RO+VM**2*H**2+CPL*(DPSIC(N)+DPSID(N)+2*A1*DS(N)/B/H)/FI(N)**3
778 1/8.0
779 13 DPF=DPF+DDPF
780 nPD=nPD+RO+VM**2*(1-(H/FI(N+1))**2)/2.0
781 IF((N.EQ.1).OR.(N.GT.51)) GO TO 14
782 nPP=nPP+RO+VM**2*SQRT(XD(N+1))*(2.0-XD(N+1)/(1-H)/6)/(1-H)/6)/2.0
783 GO TO 15
784 14 nPP=0.0
785 15 IF((N.EQ.1).OR.(N.GT.51)) GO TO 16
786 DH=2.0*B
787 RE=2.0*B+VM/FI1(N)/CV1
788 CPL=0.1*(1-H)*(1.4A+R/DH+100/RE)**0.25/H
789 DDPF1=RO+VM**2*A1**2*CPL*DS1(N)/B/H/FI1(N)**3.0/4.0
790 GO TO 17
791 16 DDPF1=0.0
792 17 DPF1=DPF1+DDPF1
793 IF((N.EQ.1).OR.(N.GT.51)) GO TO 18
794 DH=4.0*A1*B+FI2(N)/(R+H+2*A1*FI2(N))
795 RE=4.0*A1*B+VM/(R+H+2*A1*FI2(N))/CV1
796 CPL=0.1*(1-H)*(1.4A+R/DH+100/RE)**0.25/H
797 DDPF2=RO+VM**2*H**2+CPL*(DPSIC(N)+2*A1*DS2(N)/B/H)/FI2(N)**3.0/8.0
798 GO TO 19
799 18 DDPF2=0.0

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DIFUZOR 28/06/78 22.53.49

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FORTRAN 00.00

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800 19 DPF2=DPF2+DDPF2
801 IF((N.EQ.1).OR.(N.EQ.2)) GO TO 80
802 DPR=CPR+RO+GA**2*VM**2*XD(N)/PI/S/DV/4.0

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INSTITUTUL NAȚIONAL
DE REZERVĂ
DE ENERGIE ATOMICĂ

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803      GO TO 20
804      80 DPR=0.0
805      20 CONTINUE
806      STOP
807      END
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FORTRAN 00.00

DIFUZOR 28/06/78 22.53.49

18

MODULE	FXMATA	TYPE	P	LONGUEUR	4E38 (20024)
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***** FIN DE COMPILATION (PLUS HAUT NIVEAU D'ERREUR RENCONTRE = 0)

22.55.57

0184 DIFUZOR AN = 0000 PH = 0001 P106 = 28/06/78
H.DEB = 22H 53M 42S H.FIN = 22H 55M 58S TIME = 00012727
LGP = 00040 MEM = 00017 LO = IN = 00811 OUT = 00000
XJ/XG= JF. *G- HF. G- ;

. LINK
LINK STARTED

AUCUNE ERREUR A L EDITION DE LIENS

0184 DIFUZOR AN = 0000 PH = 0002 P106 = 28/06/78
HDEFB = 22H 55M 59S H.FIN = 22H 56M 27S TIME = 00000852
LCP = A0040 MEM = 00010 LO = IN = 00000 OUT = 00000
XJ/XG- IF *G- HF. G- I

RUN
STARTED

N	N P F	N P D	D P P	D P F1	D P F2	D D R	X C	P C T	P C R	X D	P D T	P D R
1	.0000	.0000	.0000	.0000	.0000	.0000	-.0062	240.9475	240.9475	-.0059	49.4211	49.4211
2	13.0952	.3519	.0000	.0000	.0000	.0000	-.0001	124.3386	110.8913	-.0000	148.9368	135.4897
3	20.7482	.5108	27.8437	1.1582	4.9244	.0000	-.0054	133.1011	78.2958	.0057	204.7485	149.9629
4	28.7317	.4915	39.6417	2.3449	9.1968	.0000	-.0107	138.6841	50.6097	.0117	226.3665	138.2917
5	37.0335	.1984	48.6927	3.5611	13.9405	15.8121	-.0161	140.9847	21.7264	.0180	237.4548	148.1935
6	45.0706	.3499	55.7869	4.8072	18.8391	24.2954	-.0215	139.8987	-9.2508	.0240	245.3744	96.2251
7	53.2627	.6563	61.9758	6.0333	23.7348	32.4645	-.0268	141.5387	-16.5887	.0302	252.6105	74.4828
8	61.1745	1.1159	67.2144	7.2709	28.6958	40.8191	-.0321	179.4310	-26.8566	.0362	260.7898	54.5020
9	69.1317	1.7563	71.9357	8.5182	33.7599	48.8987	-.0374	204.7930	-29.1775	.0423	271.7895	37.8187
10	77.8215	2.5897	76.0643	9.7792	38.8456	57.0774	-.0428	226.2344	-34.9135	.0482	285.7138	26.5654
11	87.5846	3.6386	79.8829	11.0474	43.8252	65.0214	-.0483	251.0592	-36.9607	.0542	303.4095	15.3896
12	99.3652	4.8859	83.4087	12.3300	48.9556	73.1202	-.0537	271.8222	-43.2134	.0602	325.6008	10.5650
13	100.0388	6.3594	86.6253	13.6068	54.1890	81.3357	-.0599	298.5972	-43.5579	.0663	352.1845	10.0294
14	107.3828	8.1203	89.4861	14.9054	59.5383	89.5470	-.0661	320.3294	-48.6505	.0722	382.3144	13.3345
15	115.1735	10.0014	92.3281	16.2042	64.9243	97.5204	-.0723	349.7279	-46.4446	.0786	420.0048	23.8345
16	123.0077	12.1600	94.6458	17.5348	70.4746	106.1799	-.0785	374.3380	-48.6639	.0844	458.2434	35.2417
17	129.7675	14.5974	97.1345	18.8238	76.0713	113.8891	-.0846	409.2769	-41.0068	.0911	509.5149	59.2312
18	136.0178	17.0365	98.9942	20.1677	81.8219	122.9517	-.0908	439.8181	-37.2317	.0966	556.9161	79.8663
19	143.6126	19.9821	101.1412	21.4557	87.7464	130.3674	-.0970	489.7739	-14.5515	.1035	623.8430	119.5385
20	149.6334	22.5856	102.7136	22.8582	94.0480	139.7854	-.1032	535.8169	4.1726	.1092	682.5644	150.9203
21	158.1793	25.6311	104.3082	24.0251	100.5428	147.4433	-.1094	583.4921	25.4423	.1155	751.4897	193.4399
22	164.9921	28.5985	105.6440	25.4274	108.2488	155.9645	-.1156	637.8741	51.9786	.1214	817.6218	231.7264
23	167.4644	31.6927	106.8018	27.1438	117.2407	163.9530	-.1218	718.4348	104.1693	.1272	882.6285	268.3630
24	173.4318	34.9058	107.9687	29.3951	129.0562	171.6922	-.1280	797.6693	151.2194	.1339	957.8068	311.3561
25	178.3342	38.0388	108.8319	31.7122	144.3785	188.5562	-.1342	881.1676	199.3158	.1393	1022.1474	346.2959
26	183.8944	41.2781	109.7131	33.3051	156.4488	188.1013	-.1405	943.1406	250.4298	.1460	1099.2848	386.5741
27	188.4415	44.7341	110.3334	34.7202	166.5022	197.1430	-.1467	1028.4963	307.0148	.1517	1164.4874	423.0059
28	193.4084	47.5344	110.9951	35.7774	173.6508	204.8260	-.1529	1122.1329	366.9306	.1583	1238.9129	472.8106
29	197.5793	50.4759	111.2804	36.8929	179.2883	213.6623	-.1591	1204.1760	411.9777	.1648	1302.9815	513.7932
30	202.2193	53.6819	111.5782	37.8312	183.8881	221.4482	-.1653	1284.0010	448.3793	.1708	1377.3906	568.7680
31	205.9873	56.3968	111.7012	38.7837	187.8897	230.6394	-.1716	1353.4565	522.0583	.1766	1438.7147	607.3165
32	209.9354	59.2738	111.7057	39.6091	191.3426	238.4236	-.1778	1435.9445	585.6644	.1830	1504.3413	654.0610
33	213.4500	61.8780	111.5832	40.4265	194.4468	247.0319	-.1841	1513.3069	644.5005	.1889	1563.2965	694.4900
34	214.8656	64.4300	111.3307	41.1560	197.1724	255.0763	-.1903	1588.8559	702.8248	.1950	1621.0422	735.0111
35	220.0341	66.8185	110.9601	41.8834	199.6054	263.3033	-.1965	1633.4376	730.7429	.2010	1674.8232	772.1285
36	222.8394	69.0870	110.5061	42.5582	202.0412	271.3206	-.2028	1677.3629	759.0404	.2065	1722.4131	804.0906
37	226.1442	71.3995	109.9783	43.2059	204.1761	278.7479	-.2090	1747.9468	814.4893	.2134	1781.0928	847.6346
38	228.7178	73.3807	109.0737	43.7932	206.1290	288.0641	-.2153	1816.7666	867.6080	.2190	1827.5434	878.3846
39	231.5881	75.4341	108.0878	44.3677	207.9461	295.5947	-.2215	1877.5953	914.5768	.2255	1879.1553	916.1368
40	234.4289	77.2797	107.0294	44.8052	209.6215	304.4762	-.2278	1936.9760	959.5651	.2316	1923.9397	946.5288
41	234.4757	78.6592	105.8709	45.4142	211.1484	312.6896	-.2340	1981.4310	99.8624	.2375	1964.3121	973.7434
42	238.7691	80.5602	104.5437	45.8994	212.6025	320.6424	-.2403	2025.0383	1022.0506	.2435	2003.0885	1000.1008
43	240.9642	82.0557	103.0676	46.3781	213.9201	328.7033	-.2462	2054.0582	1038.9692	.2495	2038.9599	1023.8709
44	243.1051	83.4686	101.4049	46.8309	215.1447	336.7819	-.2522	2087.6902	1055.9342	.2555	2072.7882	1046.0322
45	245.0311	84.7008	99.7027	47.2599	216.3416	344.9087	-.2582	2110.9342	1072.8995	.2612	2102.3782	1064.3437
46	246.9006	85.8647	97.8298	47.6669	217.4556	352.6513	-.2642	2138.7903	1090.4214	.2669	2130.1568	1084.7879
47	248.7829	86.9638	95.6621	48.0531	218.5411	360.3620	-.2701	2166.2584	1107.8932	.2729	2157.2328	1098.8677
48	250.6660	87.9908	93.2683	48.4202	219.5423	368.4340	-.2761	2193.3386	1125.0570	.2791	2182.6961	1114.4146
49	252.3924	88.8874	90.7788	48.7602	220.4427	376.7845	-.2821	2220.0308	1141.9557	.2849	2206.5465	1126.4714
50	254.0717	89.7160	88.0652	49.1014	221.3458	384.6548	-.2881	2246.3351	1159.3600	.2908	2225.2117	1138.2301
51	255.6808	90.4543	85.1533	49.4182	222.2446	392.5404	-.2940	2272.2514	1176.7797	.2965	2243.7919	1148.3202
52	257.2613	91.1041	81.9610	49.7200	223.0422	400.3176	-.2998	2297.7798	1194.3736	.3023	2261.9624	1158.5561
53	259.4710	91.6803	78.5606	49.7200	223.0422	408.1452	-.3057	2305.9853	1195.3660	.3080	2277.2884	1166.6691
54	261.1685	92.1793	74.7035	49.7200	223.0422	415.7875	-.3117	2340.8240	1193.7039	.3138	2294.6845	1177.5642
55	263.8023	92.6263	70.5334	49.7200	223.0422	423.6962	-.3174	2347.3933	1193.9727	.3196	2312.9131	1189.4925
56	265.9017	92.9730	65.8548	49.7200	223.0422	431.4623	-.3233	2340.5926	1181.4386	.3254	2327.5515	1198.5973
57	267.8873	93.2949	60.9480	49.7200	223.0422	439.3089	-.3289	2338.9461	1204.7450	.3309	2355.6750	1221.4739
58	269.9635	93.5149	54.8536	49.7200	223.0422	446.6688	-.3348	2323.5527	1185.7897	.3368	2374.8190	1237.0560
59	271.9084	93.7167	48.1038	49.7200	223.0422	454.7077	-.3404	2328.7190	1187.5203	.3425	2401.4287	1260.4295
60	273.7062	93.7837	41.0016	49.7200	223.0422	462.3357	-.3455	2317.4292	1173.7397	.3474	2431.2448	1287.5346
61	275.6453	94.0356	30.7014	49.7200	223.0422	469.0583	-.3510	2286.1756	1124.0026	.3531	2453.2634	1311.0906
62	278.3373	94.8606	.0000	49.7200	223.0422	476.6593	-.3603	2238.9786	1116.3592	.3603	2557.5297	1434.9103

A1=.0300 B=.0600 RD=1000.0000 VM1=2.5000 CV=.93000E-06

N	D P F	D P D	D P P	D P F1	D P F2	D P R	X C	P C T	P C R	X D	P D T	P D R
1	:0000	:0000	:0000	:0000	:0000	:0000	-.0062	240.9475	240.9475	-.0059	49.4211	49.4211
2	13.0952	3519	-.0000	:0000	:0000	:0000	-.0001	124.3386	110.8915	-.0000	148.9368	135.4897
3	20.7482	5108	27.8437	1.1582	4.5444	:0000	.0054	133.1011	78.2958	.0057	204.7685	149.9629
4	28.7317	6915	39.6617	2.3449	9.1968	:0000	.0107	138.6841	50.6097	.0117	226.3665	138.2917
5	37.0335	9824	48.6927	3.5611	13.9405	15.8121	.0161	140.9847	21.7264	.0180	237.4518	118.1933
6	45.0706	13499	55.7869	4.8078	18.8301	24.2951	.0215	139.8987	-9.2508	.0240	245.3744	96.2231
7	53.2627	18563	61.0758	6.0333	23.7348	32.4645	.0268	141.5387	-16.5887	.0302	252.6109	74.4828
8	61.1715	25159	67.2144	7.2709	28.6958	40.8191	.0321	179.4310	-26.8566	.0362	260.7892	54.5020
9	69.1317	33753	71.9357	8.5182	33.7299	48.8987	.0374	204.7930	-29.1775	.0423	271.7895	37.8187
10	76.8215	44997	76.0643	9.7792	38.8156	57.0774	.0428	226.2344	-34.9133	.0482	285.7130	24.5651
11	84.5846	59384	79.8829	11.0474	43.8152	65.0214	.0483	251.0592	-36.9607	.0542	303.4095	15.3896
12	93.3652	77859	83.4087	12.3300	48.9256	73.1202	.0537	271.8222	-43.2134	.0602	325.6004	10.5630
13	100.0388	100359	86.6253	13.6064	54.1890	81.3357	.0599	208.5972	-43.5579	.0663	352.1845	10.0294
14	107.3828	128203	89.4861	14.9054	59.5183	89.5470	.0661	320.3294	-48.6503	.0722	382.5144	13.3343
15	115.1735	160014	92.3281	16.2048	64.9443	97.5204	.0723	349.7279	-48.4446	.0786	420.0040	23.8315
16	122.9077	196000	94.6458	17.5340	70.4746	106.1799	.0785	374.3380	-48.6639	.0844	458.2434	35.2417
17	129.7675	245974	97.1345	18.8238	76.0713	113.8891	.0846	409.2769	-41.0068	.0911	509.5149	59.2312
18	136.0178	310365	98.9942	20.1677	81.8819	122.9517	.0908	439.8184	-37.2317	.0966	556.9164	79.8663
19	143.6126	398221	101.1412	21.4557	87.7444	130.3674	.0970	489.7739	-14.5515	.1035	623.8430	119.5383
20	149.6334	51856	102.7136	22.8582	94.0480	139.7854	.1032	535.8169	4.1726	.1092	682.5646	150.9203
21	155.1293	68311	104.3082	24.0291	100.5428	147.4133	.1094	583.4921	25.4423	.1155	751.4897	193.4399
22	161.9921	89885	105.6440	25.4274	108.2488	155.9645	.1156	637.8741	51.9786	.1214	817.6218	231.7264
23	167.4644	116927	106.8038	27.1430	117.2107	163.9530	.1218	718.4348	104.1693	.1272	882.6285	268.3630
24	173.4318	15058	107.9687	29.3951	129.0562	171.6922	.1280	797.6693	151.2194	.1337	957.8060	311.3361
25	178.3342	190388	108.8319	31.7122	144.3785	180.5562	.1342	881.1676	199.3158	.1393	1022.1474	340.2939
26	183.8944	242781	109.7131	33.3051	156.4188	188.1013	.1405	963.1406	250.4298	.1460	1099.2848	386.5741
27	188.4415	313413	110.3334	34.7202	166.5022	197.1430	.1467	1048.4963	307.0148	.1517	1164.4874	423.0059
28	193.4084	405344	110.9051	35.7774	173.6508	204.8260	.1529	1132.1329	366.0306	.1583	1238.9129	472.8906
29	197.5700	506817	111.2702	36.8925	179.8883	213.6623	.1591	1204.1769	411.7777	.1640	1302.9015	513.7972
30	202.2193	61817	111.5764	37.8312	183.8481	221.4462	.1653	1280.0019	458.3793	.1708	1377.3904	568.7680
31	205.9873	73968	111.7012	38.7837	187.8497	230.6394	.1716	1353.4585	522.0583	.1766	1438.7147	607.3163
32	209.9354	8738	111.7059	39.6091	191.3326	238.4236	.1778	1435.9465	585.6644	.1830	1504.3445	654.0610
33	213.4500	108780	111.5832	40.4265	194.4368	247.0319	.1841	1513.3069	644.5005	.1889	1563.2965	694.4900
34	216.8656	130300	111.3307	41.1560	197.1724	255.0763	.1903	1588.8559	702.8248	.1950	1621.0422	735.0111
35	220.0341	15185	110.9601	41.8834	199.6054	263.3033	.1965	1673.4376	730.7429	.2010	1674.8235	772.1285
36	222.8394	170870	110.5061	42.5582	202.0112	271.3206	.2028	1677.3629	759.0404	.2065	1722.4131	804.0906
37	226.1442	193995	109.7839	43.2050	204.1761	278.7479	.2090	1747.9468	814.4893	.2134	1781.0920	847.6346
38	229.7178	233807	109.0737	43.7933	206.1290	288.0641	.2153	1816.7666	867.6080	.2190	1827.5434	878.3866
39	231.5881	274341	108.0878	44.3677	207.9461	295.5947	.2215	1877.9553	914.5768	.2255	1879.1553	916.1368
40	234.1289	31797	107.0296	44.8952	209.6015	304.4762	.2278	1936.9760	959.5651	.2316	1923.9397	946.5288
41	236.4787	36592	105.8709	45.4148	211.1584	312.6896	.2340	1981.4310	990.8624	.2375	1964.3121	973.7434
42	238.7691	415602	104.5437	45.8994	212.6025	320.6126	.2403	2025.0383	1022.0506	.2435	2003.0885	1000.1008
43	240.9642	4686	103.0676	46.3781	213.9201	328.7033	.2462	2054.0582	1038.9692	.2495	2038.9599	1023.8709
44	243.1051	5151	101.4049	46.8309	215.1447	336.7819	.2522	2082.6902	1055.9342	.2555	2072.7889	1046.0322
45	245.0311	56008	99.7027	47.2590	216.3416	344.9987	.2582	2110.9342	1072.8995	.2612	2102.3784	1064.3437
46	246.9006	6006	97.8298	47.6660	217.4556	352.6513	.2642	2138.7903	1090.4214	.2669	2130.1568	1081.7879
47	248.7829	64660	95.6921	48.0331	218.5111	360.3620	.2701	2166.2584	1107.8632	.2729	2157.2328	1098.8677
48	250.6660	6908	93.2683	48.4202	219.5123	368.4240	.2761	2193.3386	1125.0570	.2791	2182.6961	1114.4146
49	252.3924	73924	90.7788	48.7693	220.4427	376.7845	.2821	2220.0308	1141.9557	.2849	2204.5465	1126.4714
50	254.0717	79160	88.0652	49.1014	221.3458	384.6548	.2881	2246.3351	1159.3600	.2908	2225.2113	1138.2361
51	255.6808	84543	85.1533	49.4182	222.2246	392.5404	.2940	2272.2514	1176.7797	.2965	2243.7919	1148.3202
52	257.2613	90441	81.9610	49.7200	223.0422	400.3176	.2998	2297.7798	1194.3736	.3023	2261.9624	1158.5961
53	259.4710	96803	78.5606	49.7200	223.0422	408.1452	.3057	2305.9853	1195.3660	.3080	2277.2884	1166.6691
54	261.1839	103793	74.7035	49.7200	223.0422	415.7875	.3117	2310.8240	1193.7039	.3138	2294.6845	1177.5642
55	263.8023	112663	70.5334	49.7200	223.0422	423.6962	.3174	2317.3933	1193.9727	.3196	2312.9131	1189.4923
56	265.9017	122973	65.8548	49.7200	223.0422	431.4623	.3233	2310.5926	1181.6386	.3254	2327.5515	1198.5973
57	267.8873	1342947	60.9480	49.7200	223.0422	439.3089	.3289	2338.9461	1204.7450	.3309	2355.6750	1221.4739
58	269.9635	147149	54.8536	49.7200	223.0422	446.6688	.3348	2323.5527	1185.7897	.3368	2374.8190	1237.0560
59	271.9084	16167	48.1038	49.7200	223.0422	454.7077	.3404	2328.7190	1187.5203	.3425	2401.6283	1260.4295
60	273.7062	178837	41.0016	49.7200	223.0422	462.3357	.3455	2317.4292	1173.7397	.3474	2431.2440	1287.5346
61	275.6155	1940356	30.7014	49.7200	223.0422	469.0583	.3510	2244.1756	1124.0026	.3531	2453.2634	1311.0906
62	278.3373	218604	.0000	49.7200	223.0422	476.6593	.3603	2238.9786	1116.3592	.3603	2557.5297	1434.9103

A1=.0300 B=.0600 RO=1000.0000 VM1=3.0000 CV=.91000E-06

N	DPF	DPD	DPF	DPF1	DPF2	DPF	XC	PCT	PCR	XD	PDT	PDR
1	.0000	.0000	.0000	.0000	.0000	.0000	-.0062	346.9645	346.9645	-.0059	71.1664	71.1664
2	18.7293	.5068	.0000	.0000	.0000	.0000	-.0001	179.0476	159.8115	-.0000	214.4691	195.2330
3	29.6751	.7355	40.0950	1.6501	6.4747	.0000	-.0054	191.6656	113.0353	-.0057	294.8665	246.2359
4	41.0932	.7077	57.0840	3.3411	13.1136	11.0419	-.0107	199.7052	73.3337	-.0117	325.9674	199.5959
5	52.9668	.2858	70.1175	5.0741	19.8045	22.7694	-.0161	203.0179	34.9129	-.0180	341.9304	170.8256
6	64.4619	.5039	80.3332	6.8511	26.8446	34.9850	-.0215	201.4541	-12.5241	-.0240	353.3391	139.3612
7	76.1785	.9450	89.2452	8.5975	33.8507	46.7489	-.0268	232.6158	-22.9197	-.0302	363.7587	108.2232
8	87.4900	1.6068	96.7888	10.3611	40.8009	58.7795	-.0321	258.3806	-37.5363	-.0362	375.5371	79.6201
9	98.8747	2.5291	103.5874	12.1384	48.0456	70.4141	-.0374	294.9019	-40.7076	-.0423	391.3764	55.7669
10	109.8726	3.7291	109.5326	13.9361	55.3140	82.1915	-.0428	325.7775	-48.7986	-.0482	411.4267	36.8506
11	120.9751	5.2396	115.0313	15.7435	62.4826	93.6107	-.0483	344.5253	-54.5775	-.0542	436.9097	23.8029
12	132.1024	7.0357	120.1085	17.5717	69.7339	105.2931	-.0537	391.4240	-60.4114	-.0602	468.8648	17.0295
13	143.0763	9.1578	124.7404	19.4315	77.2263	117.1234	-.0599	429.9800	-60.7357	-.0663	507.1454	16.4300
14	153.5784	11.6932	128.8600	21.3241	84.8542	128.9476	-.0661	441.2743	-67.8991	-.0722	550.5328	21.3393
15	164.7188	14.4020	132.9525	23.2491	92.5575	140.4294	-.0723	503.6082	-64.5471	-.0786	604.8057	36.6504
16	174.4910	17.5104	136.2899	25.2001	100.4413	152.8991	-.0785	539.0468	-67.5750	-.0844	659.8708	53.2490
17	185.5862	21.0203	139.8737	26.8201	108.4203	164.0003	-.0846	589.3588	-56.3710	-.0911	733.7015	87.9717
18	194.5223	24.5326	142.5516	28.7451	116.4251	177.0504	-.0908	643.3581	-50.7692	-.0966	801.9505	117.8519
19	203.3799	28.7743	145.6434	30.5819	125.0859	187.7291	-.0970	703.2744	-19.9302	-.1035	898.3640	175.1594
20	213.9867	32.5233	147.9076	32.5825	134.0811	201.2910	-.1032	771.5763	9.2024	-.1092	982.8931	220.4188
21	223.2718	36.9089	150.2038	34.2471	143.3190	212.2751	-.1094	840.2287	40.0028	-.1153	1082.1451	281.9193
22	234.6512	41.1818	152.1273	36.2491	154.3443	224.5889	-.1156	918.5386	78.3960	-.1214	1177.3754	337.2348
23	239.4717	45.6375	153.7946	38.6988	167.1103	236.0923	-.1218	1014.5462	153.7410	-.1272	1279.9851	390.1799
24	247.9989	50.2644	155.4719	41.9169	184.0123	247.2368	-.1280	1148.6438	221.7109	-.1337	1379.2407	452.3165
25	255.0034	54.7759	156.7180	45.2299	205.9150	260.0009	-.1342	1268.8814	291.2184	-.1393	1471.8926	494.2296
26	262.0067	59.4404	157.9869	47.5057	223.1775	270.8458	-.1405	1384.9224	365.0392	-.1460	1582.9702	561.0849
27	269.4421	63.8515	158.8801	49.5258	237.5175	283.8859	-.1467	1509.8347	444.7119	-.1517	1676.8619	613.7391
28	276.5360	68.4494	159.7034	51.0362	247.7181	294.9495	-.1529	1630.2714	531.8607	-.1583	1784.0344	685.6238
29	282.4790	72.6840	160.2438	52.6235	255.7763	307.7469	-.1591	1729.6935	598.1701	-.1640	1876.3878	744.7844
30	289.1177	77.3016	160.6698	53.9611	262.3029	318.8225	-.1653	1827.3628	665.1274	-.1708	1983.4425	821.2071
31	294.6971	81.2114	160.8497	55.3175	268.0310	332.1208	-.1716	1948.9773	756.9499	-.1766	2071.7491	879.9217
32	300.1326	85.3542	160.8562	56.4925	272.9126	343.3300	-.1778	2067.7601	848.6619	-.1830	2166.2511	947.1531
33	305.1488	89.1044	160.6798	57.6554	277.3503	355.7359	-.1841	2179.1620	933.4973	-.1889	2251.1460	1003.4822
34	310.0229	92.7793	160.3162	58.6931	281.2418	367.3099	-.1903	2287.9525	1017.5892	-.1950	2334.3007	1063.9374
35	314.5436	96.2181	159.7826	59.7275	284.8395	379.1468	-.1965	2352.1502	1057.8915	-.2010	2411.7454	1117.4867
36	318.5456	99.4853	159.1288	60.6860	288.1318	390.7016	-.2028	2445.4025	1098.7325	-.2065	2480.2748	1163.6048
37	323.2594	102.8152	158.0888	61.6071	291.1988	401.3097	-.2090	2517.0433	1178.6768	-.2134	2564.7725	1226.4906
38	324.9296	105.6682	157.0662	62.4449	293.9715	414.8124	-.2153	2616.0439	1255.2521	-.2190	2631.6621	1270.7004
39	334.0224	108.6252	155.8464	63.2571	296.5544	425.6564	-.2215	2703.7373	1322.9746	-.2253	2703.9831	1323.2209
40	334.6447	111.2827	154.4223	64.0069	298.9051	438.4458	-.2278	2789.2455	1387.8379	-.2316	2770.4732	1369.0697
41	337.9900	113.7013	152.4541	64.7445	301.1150	450.2730	-.2340	2883.2606	1432.9828	-.2375	2828.6094	1408.3315
42	344.2586	116.0067	150.5429	65.4325	303.1444	464.6821	-.2403	2946.0552	1477.9679	-.2435	2884.4674	1446.3601
43	344.3867	118.1603	148.4174	66.1111	305.0338	473.3127	-.2462	2997.8439	1502.4017	-.2495	2936.1022	1480.6600
44	347.4371	120.1948	146.0230	66.7531	306.7993	484.9659	-.2522	2999.0739	1526.9001	-.2553	2984.8150	1512.6412
45	350.1809	121.9691	143.5719	67.3621	308.4484	496.7981	-.2582	3039.7453	1551.3948	-.2612	3027.4240	1539.0744
46	353.8440	123.6452	140.8749	67.9391	310.0480	507.8179	-.2642	3079.8580	1574.6889	-.2669	3067.4298	1564.2566
47	353.5249	125.2279	137.7967	68.4861	311.5444	518.9213	-.2701	3119.4121	1601.9101	-.2729	3106.4151	1588.6133
48	358.2066	126.7067	134.3063	69.1071	312.9434	530.3186	-.2761	3158.4075	1626.6868	-.2791	3143.0824	1611.5617
49	360.6669	127.9978	130.7215	69.5011	314.3403	542.3686	-.2821	3196.8464	1651.0783	-.2849	3174.5660	1628.7809
50	363.0558	129.1911	128.8139	69.9736	315.5289	553.9029	-.2881	3234.7225	1676.1963	-.2908	3204.3042	1645.7780
51	365.3466	130.2543	122.6208	70.4211	316.8067	565.2582	-.2940	3272.8042	1701.3345	-.2965	3231.0603	1660.3528
52	347.5964	131.1899	118.0239	70.8481	317.9446	576.6574	-.2998	3308.8029	1726.7222	-.3023	3257.2258	1673.1451
53	370.7416	132.0197	113.1272	70.8481	317.9446	587.7390	-.3057	3320.6188	1728.1881	-.3080	3279.2951	1686.8646
54	374.8934	132.7382	107.5759	70.8481	317.9446	598.7344	-.3117	3327.5865	1725.8518	-.3138	3304.3453	1702.5905
55	376.9063	133.3818	101.5681	70.8481	317.9446	610.1225	-.3174	3327.0463	1726.2546	-.3196	3330.5948	1719.8029
56	379.8935	133.8811	94.8309	70.8481	317.9446	621.3058	-.3233	3327.2534	1708.5289	-.3254	3351.6742	1732.9497
57	382.7191	134.3443	87.7652	70.8481	317.9446	632.6048	-.3289	3328.0823	1741.8357	-.3309	3392.1720	1745.9254
58	385.6734	134.6614	78.9891	70.8481	317.9446	643.3031	-.3348	3325.9159	1714.5756	-.3368	3419.7394	1788.3991
59	388.4408	134.9521	69.2694	70.8481	317.9446	654.7791	-.3404	3323.3554	1717.1009	-.3425	3458.3447	1822.0902
60	390.9988	135.1925	59.0423	70.8481	317.9446	665.7635	-.3453	3327.0980	1697.2877	-.3474	3500.9913	1861.1811
61	393.7154	135.4113	44.2101	70.8481	317.9446	673.4439	-.3490	3263.2929	1625.6990	-.3531	3532.6994	1895.1057
62	397.5879	136.5993	.0000	70.8481	317.9446	686.3894	-.3603	3294.1291	1614.7394	-.3603	3682.8428	2073.4331

A1=.0300 B=.0600 RO=1000.0000 VM1=3.5000 CV=.89000E-06

N	DPF	DPD	DDP	DPF1	DPF2	DDR	XC	PCT	PCR	XD	PDT	PDR
1	.0000	.0000	.0000	.0000	.0000	.0000	-.0062	472.2572	472.2572	-.0059	96.8654	96.8654
2	25.3663	.6898	.0000	.0000	.0000	.0000	-.0001	243.7036	247.6476	-.0000	291.9162	265.8602
3	40.1907	1.0014	54.5737	2.2283	8.7435	.0000	.0054	240.8782	154.1408	.0037	401.3457	294.6083
4	55.6550	.9633	77.6977	4.5144	17.6057	.0000	.0107	271.8209	100.2681	.0117	443.6774	272.1250
5	71.7361	.3890	95.4378	6.8524	26.8434	15.0273	.0164	276.3299	44.0600	.0180	465.4055	233.1356
6	87.3046	.6858	109.3424	9.2520	36.2527	47.6485	.0215	274.2014	-16.2546	.0240	480.9342	190.4782
7	103.1730	1.2863	121.4727	11.6114	45.6765	63.6404	.0268	316.6159	-30.2340	.0302	495.1160	148.2661
8	118.4927	2.1871	131.7403	13.9935	55.2263	80.0054	.0321	351.6848	-49.9605	.0362	511.1474	109.5023
9	133.9115	3.4424	140.9940	16.3946	64.9475	95.8445	.0374	401.3943	-54.1012	.0423	532.7064	77.2053
10	148.8062	5.0758	149.0861	18.8229	74.7085	111.8718	.0428	443.4194	-64.9519	.0482	559.9974	51.6262
11	163.8425	7.1314	156.5704	21.2644	84.3020	127.4419	.0483	492.0764	-68.5663	.0542	594.6827	34.0402
12	178.9120	9.5763	163.4811	23.7337	94.1737	143.3156	.0537	532.7715	-80.4209	.0602	638.1774	24.9847
13	193.7733	12.4647	169.7856	26.1920	104.3084	159.4180	.0599	585.2505	-80.6915	.0663	690.2814	24.3395
14	207.9954	15.9157	175.3927	28.6934	114.6090	175.5420	.0664	627.8456	-90.2726	.0722	749.3364	31.2180
15	223.0813	19.6027	180.9631	31.1955	125.0498	191.1401	.0723	685.4667	-85.5358	.0786	823.2074	52.2053
16	236.3140	23.8336	185.5057	33.7554	135.6708	208.1427	.0783	733.7025	-89.4901	.0844	898.1575	74.9649
17	254.3375	28.6109	190.3837	36.2405	146.4541	223.2226	.0846	802.1828	-74.0636	.0911	998.6494	122.4031
18	264.4368	33.3916	194.0286	38.8297	157.6252	240.9253	.0908	862.0435	-66.2738	.0966	1091.5555	163.2382
19	278.1372	39.1650	198.2368	41.3447	168.9435	255.5202	.0970	959.9568	-21.3976	.1035	1222.7732	241.6188
20	289.7893	44.2679	201.3187	44.0155	181.1293	273.9795	.1032	1050.2011	15.7009	.1092	1337.8267	303.3265
21	302.3590	50.2370	204.4440	46.2664	193.6428	288.9300	.1094	1143.6466	57.7956	.1155	1472.9197	387.0707
22	313.7018	56.0530	207.0622	48.9732	208.5499	305.6904	.1156	1250.2332	110.2327	.1214	1602.5388	462.5383
23	324.2872	62.1179	209.3315	52.2870	225.7864	321.3479	.1218	1408.1323	212.9749	.1272	1729.9540	534.7945
24	335.8284	68.4154	211.6486	56.6425	248.6842	336.5467	.1280	1543.4318	305.7261	.1337	1877.2094	619.5941
25	345.3077	74.5561	213.3106	61.1285	278.3363	353.8001	.1342	1727.0885	400.5593	.1393	2003.4094	676.8802
26	354.0567	80.9050	215.0377	64.2082	301.6468	368.6785	.1403	1887.7555	501.2526	.1460	2154.5984	768.0953
27	364.8454	86.9090	216.2534	66.7403	321.0970	386.4002	.1467	2055.0528	612.6075	.1517	2282.3954	839.0500
28	374.4631	93.1675	217.3760	68.9792	334.8482	401.6459	.1539	2218.9804	728.6695	.1583	2422.8694	937.9582
29	382.4828	98.4310	218.1096	71.1263	345.7495	418.8369	.1604	2354.3050	849.0690	.1640	2553.8654	1018.6273
30	391.4627	105.2160	218.6894	72.9325	354.5446	434.0345	.1653	2487.2438	910.3440	.1708	2699.6854	1122.7858
31	398.7383	110.5378	218.9343	74.7638	362.2081	452.0533	.1716	2652.7747	1035.4490	.1766	2819.8807	1202.5551
32	406.3597	116.1766	218.9432	76.3494	368.9435	467.3103	.1778	2814.4512	1140.3985	.1830	2948.5087	1294.4359
33	413.1425	121.2810	218.7030	77.9184	374.8739	484.1825	.1841	2966.0816	1275.9801	.1889	3064.0644	1373.9596
34	419.7325	126.2829	218.2082	79.3483	380.1228	499.9496	.1903	3114.1576	1390.5435	.1950	3177.2427	1453.6286
35	425.8440	130.9642	217.4819	80.7127	384.9406	516.0745	.1965	3201.5378	1445.4999	.2010	3282.6534	1526.6156
36	431.2536	135.4106	216.5920	82.0060	389.3090	531.7883	.2028	3287.6312	1501.1817	.2065	3375.9294	1589.4802
37	437.6246	139.9429	215.1764	83.2467	393.5464	546.3459	.2090	3362.5577	1610.0927	.2134	3490.9404	1675.0575
38	442.5846	143.8262	213.7845	84.3712	397.2853	560.6057	.2153	3540.8626	1714.4049	.2190	3581.9844	1735.5272
39	448.1149	147.8509	211.8521	85.4704	400.7423	579.3657	.2215	3680.0869	1806.6706	.2255	3683.1444	1809.7281
40	453.0089	151.4680	209.7776	86.4722	403.9283	596.7734	.2278	3790.4730	1895.0373	.2316	3770.9214	1869.4861
41	457.5283	154.7604	207.5069	87.4724	406.9440	612.8716	.2340	3883.6048	1996.5615	.2375	3850.0516	1923.0083
42	461.9433	157.8981	204.9056	88.3984	409.6431	628.4007	.2403	3949.0751	2017.8657	.2435	3926.0535	1974.8440
43	466.1682	160.8293	202.0126	89.3124	412.1793	644.2584	.2462	4025.9541	2054.1941	.2495	3996.3614	2021.6012
44	470.2879	163.5985	198.9535	90.1764	414.5552	660.0925	.2522	4082.0728	2084.6085	.2555	4062.6649	2065.2006
45	473.6927	166.0135	195.4173	90.9954	416.8011	676.1974	.2582	4137.4310	2118.0134	.2612	4120.6616	2101.2440
46	477.5885	168.2964	191.7464	91.7710	418.9263	691.1966	.2642	4192.0280	2152.5045	.2669	4175.1074	2135.5829
47	481.2078	170.4490	187.5566	92.5084	420.9492	706.3096	.2701	4245.8663	2186.8957	.2729	4228.1764	2169.2056
48	484.8279	172.4619	182.8058	93.2084	422.8478	722.1411	.2761	4298.9436	2220.6808	.2794	4278.0844	2199.8216
49	488.4661	174.2192	177.9265	93.8734	424.6590	738.4974	.2821	4354.2604	2253.9383	.2849	4320.9114	2223.5889
50	491.3731	175.8434	172.6078	94.5067	426.3795	753.9235	.2881	4402.8168	2288.1828	.2908	4361.4144	2246.7801
51	494.4647	177.2905	166.9005	95.1094	428.0452	769.3792	.2940	4453.6128	2322.4534	.2965	4397.8320	2266.6723
52	497.5008	178.5644	160.6436	95.6843	429.5717	784.6226	.2998	4503.6485	2357.0615	.3023	4433.4462	2286.8593
53	501.7449	179.6933	153.9787	95.6843	429.5717	799.9645	.3057	4549.7311	2359.0935	.3080	4463.4853	2302.8477
54	505.9977	180.6715	146.4227	95.6843	429.5717	814.9436	.3117	4599.2149	2355.9235	.3138	4497.5840	2324.2896
55	510.0629	181.5475	138.2455	95.6843	429.5717	830.4445	.3174	4642.0908	2356.5344	.3196	4533.3094	2347.7533
56	514.0932	182.2271	129.0754	95.6843	429.5717	845.6662	.3233	4658.7616	2332.4438	.3254	4562.0010	2365.6832
57	517.9053	182.8576	119.4582	95.6843	429.5717	861.0454	.3289	4584.3343	2377.8119	.3309	4617.1230	2410.6006
58	521.8909	183.2892	107.5130	95.6843	429.5717	875.4709	.3348	4554.1633	2340.7434	.3368	4654.6453	2441.2254
59	525.6242	183.6847	94.2834	95.6843	429.5717	891.2271	.3404	4564.2893	2344.2139	.3425	4707.1944	2487.1160
60	529.0750	184.0120	80.3632	95.6843	429.5717	906.1780	.3455	4562.1611	2317.2770	.3474	4765.2382	2540.3541
61	532.7397	184.3098	60.1748	95.6843	429.5717	919.3542	.3510	4441.7042	2219.8697	.3531	4808.3967	2586.5622
62	537.9636	185.9268	.0000	95.6843	429.5717	934.2523	.3603	4388.3980	2204.9994	.3603	5012.7584	2829.3597

STOP

0184 DIFUZOR AN = 0000 PH = 0003 P106 = 28/06/78
H.NEB = 22H 56M 27S M.FIN = 22H 56M 45S TIME = 00001459
LCP = 00040 MEM = 00020 LD = IN = 00001 OUT = 00000
XJ/XG= IF +G= HF. G= J

EOJ