

# Apèndix

```

04
1 -.32879928083500+00 -.94390469538900+00 -.30577098384600-01 .23827730343000-01 .35051067030100-01 .22403617547000-
02
1 0 0 195.3832855128632 197.8784339753943 6399.990974 6399.995508
0
ZO= .080000 TO= 16586.00000 NVO= 3 NTR= 1
1 0 4 236 .16931442323600+05 .00000000000000+00 .19858927388800+03 .59002929239100+04
1 -.98068332214100+08 -.11224466212400+09 .14623472482200+06 .19057911733200+07 -.16798449114500+07 .11882657924200+
04
1 -.32675683199700+00 -.94456802616000+00 -.31956481326100-01 .23658408194100-01 .35278643600600-01 .22543405285400-
02
1 0 0 198.0374202273941 200.2193329568980 6400.001181 6400.001820
0
ZO= .080000 TO= 16587.00000 NVO= 3 NTR= 1
1 0 5 235 .16931738475700+05 .00000000000000+00 .19570510744000+03 .58196809669900+04
1 -.97520973114700+08 -.11272955786800+09 .14546937428400+06 .19139832512000+07 -.16700277374900+07 .12676704790200+
04
1 -.31924093768800+00 -.94711310572900+00 -.32588167486000-01 .23155385782100-01 .35423841698800-01 .22494503743400-
02
1 0 0 195.4707847758162 197.1621097833645 6400.005626 6399.996197
0
ZO= .080000 TO= 16588.00000 NVO= 3 NTR= 1
1 0 5 233 .16931332212100+05 .00000000000000+00 .19856346170600+03 .57697486723000+04
1 -.98314458534300+08 -.11203763717600+09 .14363587397800+06 .19022867540100+07 -.16832423454100+07 .14262345187100+
04
1 -.31676587629600+00 -.94789890534000+00 -.33868050858300-01 .22977617034600-01 .35649761434700-01 .22567995541100-
02
1 0 0 198.2053559493187 199.1871291859362 6400.004173 6399.995213
0
ZO= .080000 TO= 16589.00000 NVO= 3 NTR= 0
0
ZO= .080000 TO= 16590.00000 NVO= 3 NTR= 0
0
ZO= .080000 TO= 16591.00000 NVO= 3 NTR= 0
0
ZO= .080000 TO= 16592.00000 NVO= 3 NTR= 0
0
ZO= .080000 TO= 16593.00000 NVO= 3 NTR= 0
0
ZO= .080000 TO= 16594.00000 NVO= 3 NTR= 0
0
ZO= .080000 TO= 16595.00000 NVO= 3 NTR= 0
0
ZO= .080000 TO= 16596.00000 NVO= 3 NTR= 0
0
ZO= .080000 TO= 16597.00000 NVO= 3 NTR= 0
0
ZO= .080000 TO= 16598.00000 NVO= 3 NTR= 0
0
ZO= .080000 TO= 16599.00000 NVO= 3 NTR= 0
0
ZO= .080000 TO= 16600.00000 NVO= 3 NTR= 0
0
ZO= .080000 TO= 16601.00000 NVO= 3 NTR= 0
0

```

```

Z0= .080000 T0= 16574.00000 NVO= 3 NTR= 0
0
Z0= .080000 T0= 16575.00000 NVO= 3 NTR= 0
0
Z0= .080000 T0= 16576.00000 NVO= 3 NTR= 0
0
Z0= .080000 T0= 16577.00000 NVO= 3 NTR= 0
0
Z0= .080000 T0= 16578.00000 NVO= 3 NTR= 0
0
Z0= .080000 T0= 16579.00000 NVO= 3 NTR= 0
0
Z0= .080000 T0= 16580.00000 NVO= 3 NTR= 1
1 0 5 245 .16931765620100+05 .00000000000000+00 .20061161075900+03 .59911969651500+04
1 -.97342331851300+08 -.11286076530500+09 .15079456595600+06 .19156502601300+07 -.16695530428500+07 .45300026102400+
03
1 -.35451530306700+00 -.93471023854300+00 -.25212494013300-01 .25478501651000-01 .33937915032600-01 .21820167478100-
02
1 0 0 199.9377265782930 201.2560701612973 6400.003276 6399.994445
0
Z0= .080000 T0= 16581.00000 NVO= 3 NTR= 1
1 0 4 244 .16932065292200+05 .00000000000000+00 .19718354151100+03 .58262665567100+04
1 -.96784850740700+08 -.11334622557000+09 .15050942611400+06 .19239598993800+07 -.16596238537100+07 .53855531013600+
03
1 -.34571575127500+00 -.93797747651200+00 -.26055189056100-01 .25152745934900-01 .34308574165800-01 .21981994555900-
02
1 0 0 196.4866890293840 198.2722382627632 6399.996765 6400.000702
0
Z0= .080000 T0= 16582.00000 NVO= 3 NTR= 1
1 0 4 242 .16931661770800+05 .00000000000000+00 .19856731321500+03 .57718921094500+04
1 -.97576867693200+08 -.11266082948700+09 .14972464367200+06 .19125533913900+07 -.16729147098400+07 .70450095706400+
03
1 -.34241322506900+00 -.93914209995700+00 -.27664045010900-01 .25174430149600-01 .34759874024600-01 .22372252315800-
02
1 0 0 198.1665922481218 200.3080710889368 6399.994279 6400.005082
0
Z0= .080000 T0= 16583.00000 NVO= 3 NTR= 1
1 0 4 241 .16931959053400+05 .00000000000000+00 .19716082665400+03 .57186292340600+04
1 -.97025126645900+08 -.11314404483000+09 .14931437345300+06 .19207881317900+07 -.16630602085300+07 .78647795525700+
03
1 -.33931880220100+00 -.94024302057300+00 -.28386840902300-01 .24357507847300-01 .34499478319200-01 .22117425476300-
02
1 0 0 196.3115130728141 198.6878813346064 6399.990487 6399.996925
0
Z0= .080000 T0= 16584.00000 NVO= 3 NTR= 1
1 0 4 239 .16931553167900+05 .00000000000000+00 .19941146589700+03 .57313163160300+04
1 -.97820535122400+08 -.11245405558200+09 .14822686719000+06 .19092426134700+07 -.16763714648800+07 .94859341739400+
03
1 -.33371765089100+00 -.94219800920200+00 -.29923919194800-01 .24514425275000-01 .35149393762800-01 .22574271433600-
02
1 0 0 197.4830292824639 200.0610091425029 6399.966846 6399.992092
0
Z0= .080000 T0= 16585.00000 NVO= 3 NTR= 1
1 0 4 238 .16931849079600+05 .00000000000000+00 .19717324582000+03 .56490498520800+04
1 -.97272540395900+08 -.11293676810000+09 .14766821169600+06 .19174324203600+07 -.16665606951000+07 .10283811408800+

```

OUTPUT OF PROGRAM INTER FROM A FILE COMPUTED BY PROGRAM AFMIN

INPUT FILE (results. from AFMIN): amin1.dat

SPCSM= .100000000000D-01 IPA= 1 1 11 1 1 1 1 1 1 1 1 1 1 0 0 0 ICO= 2

GEOCENTRIC RADIUS OF THE INTERVAL, RACT= 6400.0000

0

Z0= .080000 T0= 16558.00000 NVO= 3 NTR= 0

0

Z0= .080000 T0= 16559.00000 NVO= 3 NTR= 0

0

Z0= .080000 T0= 16560.00000 NVO= 3 NTR= 0

0

Z0= .080000 T0= 16561.00000 NVO= 3 NTR= 0

0

Z0= .080000 T0= 16562.00000 NVO= 3 NTR= 0

0

Z0= .080000 T0= 16563.00000 NVO= 3 NTR= 1

1 0 6 225 .1690076524270D+05 .000000000000D+00 .1979354239950D+03 .6023189692150D+04

1 -.1404861651890D+09 -.4814326384970D+08 .1321924907720D+06 .8139032838350D+06 -.2426443940630D+07 .2020899348580D+

04

1 -.7178473641220D+00 -.6951486084750D+00 -.3825668514520D-01 .3691578734490D-01 .2177365240340D-01 .2338868266980D-

02

1 0 0 197.7283575471500 198.1332981946494 6400.002259 6399.997530

0

Z0= .080000 T0= 16564.00000 NVO= 3 NTR= 0

0

Z0= .080000 T0= 16565.00000 NVO= 3 NTR= 1

1 0 6 222 .1690066609600D+05 .000000000000D+00 .1971273150600D+03 .5948688504990D+04

1 -.1405894948100D+09 -.4787223682280D+08 .1276993195300D+06 .8094135306880D+06 -.2427253343780D+07 .2252791713520D+

04

1 -.7090605950620D+00 -.7040307004010D+00 -.3967172070940D-01 .3643956413670D-01 .2240295315870D-01 .2309420199090D-

02

1 0 0 195.8174905467849 197.3616181717646 6400.020345 6400.001228

0

Z0= .080000 T0= 16566.00000 NVO= 3 NTR= 0

0

Z0= .080000 T0= 16567.00000 NVO= 3 NTR= 1

1 0 5 219 .1690056584330D+05 .000000000000D+00 .1951050710850D+03 .6069408220380D+04

1 -.1406934974270D+09 -.4760054105470D+08 .1226962127230D+06 .8048388721660D+06 -.2428006668660D+07 .2474903653210D+

04

1 -.6991397367300D+00 -.7138124907850D+00 -.4093111926120D-01 .3605767252200D-01 .2307314212810D-01 .2274993386180D-

02

1 0 0 194.9940670175788 195.2969780887451 6400.009256 6399.993953

0

Z0= .080000 T0= 16568.00000 NVO= 3 NTR= 0

0

Z0= .080000 T0= 16569.00000 NVO= 3 NTR= 0

0

Z0= .080000 T0= 16570.00000 NVO= 3 NTR= 0

0

Z0= .080000 T0= 16571.00000 NVO= 3 NTR= 0

0

Z0= .080000 T0= 16572.00000 NVO= 3 NTR= 0

0

Z0= .080000 T0= 16573.00000 NVO= 3 NTR= 0

0

02

1 0 0 198.3519776284661 200.1128678431945 7000.001691 7000.000347

0

Z0= .080000 T0= 16613.00000 NVO= 3 NTR= 0

0

Z0= .080000 T0= 16614.00000 NVO= 3 NTR= 0

0

Z0= .080000 T0= 16615.00000 NVO= 3 NTR= 0

0

Z0= .080000 T0= 16616.00000 NVO= 3 NTR= 0

0

Z0= .080000 T0= 16617.00000 NVO= 3 NTR= 0

1

```

Z0= .080000 T0= 16596.00000 NVO= 3 NTR= 0
0
Z0= .080000 T0= 16597.00000 NVO= 3 NTR= 0
0
Z0= .080000 T0= 16598.00000 NVO= 3 NTR= 0
0
Z0= .080000 T0= 16599.00000 NVO= 3 NTR= 0
0
Z0= .080000 T0= 16600.00000 NVO= 3 NTR= 0
0
Z0= .080000 T0= 16601.00000 NVO= 3 NTR= 0
0
Z0= .080000 T0= 16602.00000 NVO= 3 NTR= 0
0
Z0= .080000 T0= 16603.00000 NVO= 3 NTR= 0
0
Z0= .080000 T0= 16604.00000 NVO= 3 NTR= 0
0
Z0= .080000 T0= 16605.00000 NVO= 3 NTR= 0
0
Z0= .080000 T0= 16606.00000 NVO= 3 NTR= 0
0
Z0= .080000 T0= 16607.00000 NVO= 3 NTR= 0
0
Z0= .080000 T0= 16608.00000 NVO= 3 NTR= 0
0
Z0= .080000 T0= 16609.00000 NVO= 3 NTR= 1
1 0 5 248 .16962996179000+05 .00000000000000+00 .19717889832700+03 .57047454820700+04
1 -.27581315375100+08 -.14673419613600+09 .15147579265500+06 .24836000693700+07 -.46838594550400+06 .29477566428900+
03
1 .14381719278800+00 -.98930793730500+00 -.24216115367000-01 .58242165871400-02 .41298226444000-01 .20711821542400-
02
1 0 0 196.2046150979935 200.0585834511714 7000.010140 7000.001967
0
Z0= .080000 T0= 16610.00000 NVO= 3 NTR= 1
1 0 4 246 .16962587280200+05 .00000000000000+00 .20027639469400+03 .56856465379700+04
1 -.28618652383800+08 -.14653565465700+09 .15085777556200+06 .24803520506500+07 -.48564062691700+06 .45854895081000+
03
1 .14622907721500+00 -.98891419954000+00 -.25802382143800-01 .56342431894900-02 .41657073366600-01 .21080887855600-
02
1 0 0 198.5851338400951 201.9260342275011 7000.006040 7000.004783
0
Z0= .080000 T0= 16611.00000 NVO= 3 NTR= 1
1 0 4 245 .16962884295700+05 .00000000000000+00 .19877113741700+03 .59744384973100+04
1 -.27904052229500+08 -.14667492039700+09 .15043794868700+06 .24826399787300+07 -.47314808277400+06 .54030994307100+
03
1 .14982981197400+00 -.98835537042400+00 -.26545982702200-01 .50685303781100-02 .41124789603200-01 .20879789748400-
02
1 0 0 197.2495804460387 199.9067213704357 7000.003440 6999.999507
0
Z0= .080000 T0= 16612.00000 NVO= 3 NTR= 1
1 0 4 243 .16962471960900+05 .00000000000000+00 .19919493392700+03 .59550869898200+04
1 -.28949440453100+08 -.14647348939100+09 .14951425093000+06 .24792693772700+07 -.49053137883500+06 .69992306091900+
03
1 .15798806463600+00 -.98704133810400+00 -.28092139577000-01 .49637569090800-02 .42145798820600-01 .21515111234900-

```

0  
Z0= .080000 T0= 16584.00000 NVO= 3 NTR= 1  
1 0 4 239 .16931553167900+05 .0000000000000+00 .19941146589700+03 .57313163160300+04  
1 -.97820535122400+08 -.11245405558200+09 .14822686719000+06 .19092426134700+07 -.16763714648800+07 .94859341739400+03  
03  
1 -.33371765089100+00 -.94219800920200+00 -.29923919194800-01 .24514425275000-01 .35149393762800-01 .22574271433600-02  
02  
1 0 0 197.4562408595631 200.2420032657134 6999.993795 7000.005093  
0  
Z0= .080000 T0= 16585.00000 NVO= 3 NTR= 1  
1 0 4 238 .16931849079600+05 .0000000000000+00 .19717324582000+03 .56490498520800+04  
1 -.97272540395900+08 -.11293676810000+09 .14766821169600+06 .19174324203600+07 -.16665606951000+07 .10283811408800+04  
04  
1 -.32879928083500+00 -.94390469538900+00 -.30577098384600-01 .23827730343000-01 .35051067030100-01 .22403617547000-02  
02  
1 0 0 195.3604511603700 198.0363646557132 7000.030802 7000.001187  
0  
Z0= .080000 T0= 16586.00000 NVO= 3 NTR= 1  
1 0 4 236 .16931442323600+05 .0000000000000+00 .19858927388800+03 .59002929239100+04  
1 -.98068332214100+08 -.11224466212400+09 .14623472482200+06 .19057911733200+07 -.16798449114500+07 .11882657924200+04  
04  
1 -.32675683199700+00 -.94456802616000+00 -.31956481326100-01 .23658408194100-01 .35278643600600-01 .22543405285400-02  
02  
1 0 0 198.0146273529840 200.3653697248187 7000.018188 6999.997512  
0  
Z0= .080000 T0= 16587.00000 NVO= 3 NTR= 1  
1 0 5 235 .16931738475700+05 .0000000000000+00 .19570510744000+03 .58196809669900+04  
1 -.97520973114700+08 -.11272955786800+09 .14546937428400+06 .19139832512000+07 -.16700277374900+07 .12676704790200+04  
04  
1 -.31924093768800+00 -.94711310572900+00 -.32588167486000-01 .23155385782100-01 .35423841698800-01 .22494503743400-02  
02  
1 0 0 195.4384858211642 197.3020400248353 7000.002437 6999.998639  
0  
Z0= .080000 T0= 16588.00000 NVO= 3 NTR= 1  
1 0 5 233 .16931332212100+05 .0000000000000+00 .19856346170600+03 .57697486723000+04  
1 -.98314458534300+08 -.11203763717600+09 .14363587397800+06 .19022867540100+07 -.16832423454100+07 .14262345187100+04  
04  
1 -.31676587629600+00 -.94789890534000+00 -.33868050858300-01 .22977617034600-01 .35649761434700-01 .22567995541100-02  
02  
1 0 0 198.1336651980549 199.3552861025643 7000.006863 7000.004970  
0  
Z0= .080000 T0= 16589.00000 NVO= 3 NTR= 0  
0  
Z0= .080000 T0= 16590.00000 NVO= 3 NTR= 0  
0  
Z0= .080000 T0= 16591.00000 NVO= 3 NTR= 0  
0  
Z0= .080000 T0= 16592.00000 NVO= 3 NTR= 0  
0  
Z0= .080000 T0= 16593.00000 NVO= 3 NTR= 0  
0  
Z0= .080000 T0= 16594.00000 NVO= 3 NTR= 0  
0  
Z0= .080000 T0= 16595.00000 NVO= 3 NTR= 0  
0

Z0= .080000 T0= 16574.00000 NVO= 3 NTR= 0  
0  
Z0= .080000 T0= 16575.00000 NVO= 3 NTR= 0  
0  
Z0= .080000 T0= 16576.00000 NVO= 3 NTR= 0  
0  
Z0= .080000 T0= 16577.00000 NVO= 3 NTR= 0  
0  
Z0= .080000 T0= 16578.00000 NVO= 3 NTR= 1  
1 0 7 249 .16932566508200+05 .00000000000000+00 .19609998581600+03 .68560302885800+04  
1 -.95763932431900+08 -.11421497072800+09 .15150238581500+06 .19380242099600+07 -.16429608556100+07 .11171648846400+03  
02  
1 -.35672555806500+00 -.93395563237800+00 -.21765867137000-01 .25660064181400-01 .33380742253500-01 .21098273050200-02  
1 0 0 195.6325767236034 196.4605051053391 7000.002095 6999.999386  
0  
Z0= .080000 T0= 16579.00000 NVO= 3 NTR= 1  
1 0 6 247 .16932166525300+05 .00000000000000+00 .19809488885500+03 .64068991461700+04  
1 -.96554398498600+08 -.11354114417600+09 .15126628165300+06 .19269116404200+07 -.16562909203300+07 .28303277556900+03  
02  
1 -.35511745141900+00 -.93452589459600+00 -.23514846946600-01 .25630101861500-01 .33726452693000-01 .21523449931800-02  
1 0 0 197.4586514875680 198.9388928762606 6999.997697 7000.002232  
0  
Z0= .080000 T0= 16580.00000 NVO= 3 NTR= 1  
1 0 5 245 .16931765620100+05 .00000000000000+00 .20061161075900+03 .59911969651500+04  
1 -.97342331851300+08 -.11286076530500+09 .15079456595600+06 .19156502601300+07 -.16695530428500+07 .45300026102400+03  
02  
1 -.35451530306700+00 -.93471023854300+00 -.25212494013300-01 .25478501651000-01 .33937915032600-01 .21820167478100-02  
1 0 0 199.7676655916263 201.6819782518326 6999.998267 7000.003092  
0  
Z0= .080000 T0= 16581.00000 NVO= 3 NTR= 1  
1 0 4 244 .16932065292200+05 .00000000000000+00 .19718354151100+03 .58262665567100+04  
1 -.96784850740700+08 -.11334622557000+09 .15050942611400+06 .19239598993800+07 -.16596238537100+07 .53855531013600+03  
02  
1 -.34571575127500+00 -.93797747651200+00 -.26055189056100-01 .25152745934900-01 .34308574165800-01 .21981994555900-02  
1 0 0 196.3979644372998 198.5848693740480 6999.992466 6999.999973  
0  
Z0= .080000 T0= 16582.00000 NVO= 3 NTR= 1  
1 0 4 242 .16931661770800+05 .00000000000000+00 .19856731321500+03 .57718921094500+04  
1 -.97576867693200+08 -.11266082948700+09 .14972464367200+06 .19125533913900+07 -.16729147098400+07 .70450095706400+03  
02  
1 -.34241322506900+00 -.93914209995700+00 -.27664045010900-01 .25174430149600-01 .34759874024600-01 .22372252315800-02  
1 0 0 198.1139102588118 200.5613593695879 7000.002974 7000.003613  
0  
Z0= .080000 T0= 16583.00000 NVO= 3 NTR= 1  
1 0 4 241 .16931959053400+05 .00000000000000+00 .19716082665400+03 .57186292340600+04  
1 -.97025126645900+08 -.11314404483000+09 .14931437345300+06 .19207881317900+07 -.16630602085300+07 .7864779525700+03  
02  
1 -.33931880220100+00 -.94024302057300+00 -.28386840902300-01 .24357507847300-01 .34499478319200-01 .22117425476300-02  
1 0 0 196.2779129378492 198.8973776594032 7000.000389 7000.005926



OUTPUT OF PROGRAM INTER FROM A FILE COMPUTED BY PROGRAM AFMIN

INPUT FILE (results. from AFMIN): amin1.dat

SPCSM= .100000000000-01 IPA= 1 1 11 1 1 1 1 1 1 1 1 1 1 0 0 0 ICO= 2

GEOCENTRIC RADIUS OF THE INTERVAL, RACT= 7000.0000

0

Z0= .080000 T0= 16558.00000 NVO= 3 NTR= 0

0

Z0= .080000 T0= 16559.00000 NVO= 3 NTR= 0

0

Z0= .080000 T0= 16560.00000 NVO= 3 NTR= 0

0

Z0= .080000 T0= 16561.00000 NVO= 3 NTR= 0

0

Z0= .080000 T0= 16562.00000 NVO= 3 NTR= 0

0

Z0= .080000 T0= 16563.00000 NVO= 3 NTR= 1

1 0 6 225 .16900765242700+05 .00000000000000+00 .19793542399500+03 .60231896921500+04

1 -.14048616518900+09 -.48143263849700+08 .13219249077200+06 .81390328383500+06 -.24264439406300+07 .20208993485800+04

1 -.71784736412200+00 -.69514860847500+00 -.38256685145200-01 .36915787344900-01 .21773652403400-01 .23388682669800-02

1 0 0 197.6305505201067 198.2880983153456 6999.996322 7000.005380

0

Z0= .080000 T0= 16564.00000 NVO= 3 NTR= 0

0

Z0= .080000 T0= 16565.00000 NVO= 3 NTR= 1

1 0 6 222 .16900666096000+05 .00000000000000+00 .19712731506000+03 .59486885049900+04

1 -.14058949481000+09 -.47872236822800+08 .12769931953000+06 .80941353068800+06 -.24272533437800+07 .22527917135200+04

1 -.70906059506200+00 -.70403070040100+00 -.39671720709400-01 .36439564136700-01 .22402953158700-01 .23094201990900-02

1 0 0 195.7899703403532 197.4254222522732 6999.989694 6999.991651

0

Z0= .080000 T0= 16566.00000 NVO= 3 NTR= 0

0

Z0= .080000 T0= 16567.00000 NVO= 3 NTR= 1

1 0 5 219 .16900565843300+05 .00000000000000+00 .19510507108500+03 .60694082203800+04

1 -.14069349742700+09 -.47600541054700+08 .12269621272300+06 .80483887216600+06 -.24280066686600+07 .24749036532100+04

1 -.69913973673000+00 -.71381249078500+00 -.40931119261200-01 .36057672522000-01 .23073142128100-01 .22749933861800-02

1 0 0 194.9115954802249 195.4177087748632 7000.002846 7000.006668

0

Z0= .080000 T0= 16568.00000 NVO= 3 NTR= 0

0

Z0= .080000 T0= 16569.00000 NVO= 3 NTR= 0

0

Z0= .080000 T0= 16570.00000 NVO= 3 NTR= 0

0

Z0= .080000 T0= 16571.00000 NVO= 3 NTR= 0

0

Z0= .080000 T0= 16572.00000 NVO= 3 NTR= 0

0

Z0= .080000 T0= 16573.00000 NVO= 3 NTR= 0

0

5 -.1037835370180+09 -.1069629030350+09 .1352631392900+06 .1816260918810+07 -.1776320417770+07 .1964008583390+04  
5 -.3330349081730+00 -.9421620940920+00 -.3766083368700-01 .2303322527630-01 .3555202663210-01 .2235956414180-02  
6 0 230 .1693122424500+05 .1673261052950+05 .1673028445400+05 .2076556327510+05 .1096234489350+05  
6 .1971297902150+03 .1985122951510+03 .1985290320210+03 .2863196476420+05 .1096234489350+05 .1096881995430+05  
6 -.9855617345440+08 -.1118355991540+09 .1403600849940+06 .1898775780820+07 -.1686513677210+07 .1662805839470+04  
6 .1280161390870+09 .7549759239980+08 -.5787527873970+04 -.1408508345660+07 .2140366546710+07 -.2674533944740+04  
6 .1313186804850+09 .7048199697800+08 .1677361005670+04 -.1766718076860+07 .2728581188490+07 .2190729210030+06  
6 .1693122424500+05 .0000000000000+00  
6 -.9855611263670+08 -.1118354103200+09 .1403671519000+06 .1898771360100+07 -.1686520821030+07 .1662359786380+04  
6 -.3063676372980+00 -.9512473695100+00 -.3559933731860-01 .2226923477480-01 .3598680747860-01 .2246979674440-02

```

4 .2015509619180+03 .2019026428080+03 .2059729953370+03 .5328599146910+05 .5328124744550+05 .5359768758370+05
4 -.1043045660990+09 -.1064433424550+09 .1366437682890+06 .1807560325080+07 -.1785738152620+07 .1888765892400+04
4 .1298644919720+09 .7215901422830+08 -.4114679727290+04 -.1327105775250+07 .2170845177730+07 .5780464379130+04
4 .1343360137950+09 .6473522912730+08 -.3510991287660+04 -.1444296961100+07 .2433170549780+07 -.5065899735230+05
4 .1692811344080+05 .0000000000000+00
4 -.1043044975930+09 -.1064431526790+09 .1366513006300+06 .1807555456300+07 -.1785745336900+07 .1888309422940+04
4 -.3393031846830+00 -.9399369935490+00 -.3730679591710-01 .2367206326460-01 .3558290720150-01 .2260839450330-02
5 0 231 .1693092633010+05 .1673261065620+05 .1673027965830+05 .1848981748130+05 .7954704589070+04
5 .2000000000000+03 .2005790565930+03 .2005915322600+03 .1014450508810+05 .7954704589070+04 .7957044387910+04
5 -.9910243460820+08 -.1113416329570+09 .1415292544060+06 .1890484471440+07 -.1696337994400+07 .1583852332930+04
5 .1280161750420+09 .7549644431320+08 -.3770238960560+04 -.1410786956840+07 .2142953062540+07 -.2662715221960+04
5 .1313228451600+09 .7046868230100+08 .1383667076130+04 -.1819838490300+07 .2810834902070+07 .3342947635760+06
5 .1693092633010+05 .0000000000000+00
5 -.9910237207320+08 -.1113414425060+09 .1415363077390+06 .1890479866250+07 -.1696345237190+07 .1583396477770+04
5 -.3117724114280+00 -.9495058697880+00 -.3516485049230-01 .2295950040270-01 .3610938361820-01 .2272695695490-02
0
Z0= .080000 T0= 16590.00000 NVO= 3 NTR= 6 MAR= 0
1 0 7 .1677436396370+05 .1656832979890+05 .1656832979890+05 .3538228924490+06 .1157913614090+05
1 .2000000000000+03 .2011907129640+03 .2059601010970+03 .1158059707060+05 .1157913614090+05 .1160713295940+05
1 .4421850194980+08 .1398736055020+09 .1132862440200+06 -.2486187662310+07 .7800611057910+06 -.7430523976050+03
1 -.9441946150220+08 -.1171289647410+09 .1618967817530+05 .2628093744580+07 -.1882952259920+07 -.3835216214850+05
1 -.9441946150220+08 -.1171289647410+09 .1618967817530+05 .2628093744580+07 -.1882952259920+07 -.3835216214850+05
1 .1677436396370+05 .0000000000000+00
1 .4421850122110+08 .1398734043340+09 .1132891684760+06 -.2486184827170+07 .7800694604070+06 -.7434586425190+03
1 .3622140480980-02 .9998877898760+00 -.1453574059190-01 -.1409181101020-01 -.4152585093710-01 .2019203115140-02
2 0 27 .1678843215040+05 .1658327082940+05 .1658096583420+05 .7977447916560+05 .1213920973780+05
2 .1944366952170+03 .1986431986430+03 .1987325939030+03 .1461465635090+05 .1213920973780+05 .1214189353300+05
2 .8239677043740+07 .1464599378560+09 .9216931995130+05 -.2601908995770+07 .1510309937740+06 -.2213898747080+04
2 -.6205621414610+08 -.1369303156210+09 .6550570403690+05 .2358016110880+07 -.9711283639420+06 .1383726467860+05
2 -.6757723109070+08 -.1346592711140+09 .1726658999810+05 .2893368256020+07 -.1442590504940+07 -.6126507775390+05
2 .1678843215040+05 .0000000000000+00
2 .8239718891370+07 .1464597436760+09 .9216786935120+05 -.2601907424880+07 .1510395479920+06 -.2214167864090+04
2 -.2106673273250+00 .9775305366540+00 .7302541063250-02 -.7908085518640-02 -.4306323031490-01 .1354775878640-02
3 0 68 .1681727193300+05 .1660821341560+05 .1660512131550+05 .6742429688370+05 .8372933409660+05
3 .1944274848130+03 .1978776377900+03 .1979270607460+03 .9550753067210+05 .8372933409660+05 .8373360059930+05
3 -.6454206759290+08 .1321209134130+09 .1768008479720+03 -.2334672051460+07 -.1121072704740+07 -.3710264007690+04
3 -.7343497031250+06 -.1507697594060+09 .7888432683110+05 .2591362387580+07 .6163463968030+05 .1373926757440+05
3 -.8944317365410+07 -.1507025567590+09 .7035503057810+04 .2758616047310+07 -.2614455061450+06 .1409469969860+05
3 .1681727193300+05 .0000000000000+00
3 -.6454192671910+08 .1321207748160+09 .1667534554140+03 -.2334674383000+07 -.1121063793690+07 -.3710071051410+04
3 -.7119238163260+00 .7004186600320+00 .5077578583380-01 .1178275237100-01 -.4503312529380-01 -.9751292836950-03
4 0 107 .1684470489700+05 .1662957877410+05 .1662443732740+05 .2403728466170+05 .8993940066380+05
4 .1995254806210+03 .1998899601100+03 .1998937924480+03 .9248012207770+05 .8993940066380+05 .8994009258960+05
4 -.1186698536890+09 .8772269007890+08 -.8273721956040+05 -.1539985741110+07 -.2048448395990+07 -.1617175056690+04
4 .5206543393320+08 -.1419880564560+09 .4179511531440+05 .2455593668280+07 .8704821337020+06 .3915517522260+04
4 .3944224766710+08 -.1455801805960+09 .1569744448530+05 .2257787316220+07 .5346957362170+06 .3256409497710+05
4 .1684470489700+05 .0000000000000+00
4 -.1186696541740+09 .8772268251980+08 -.8274685197750+05 -.1539994320320+07 -.2048442388000+07 -.1616456939300+04
4 -.9981221296740+00 .3781630847690-01 .4818859894400-01 .4291968166850-01 -.3005646638400-01 -.3592563595480-02
5 0 226 .1692841060770+05 .1673120247410+05 .1672776835390+05 .1556399231370+06 .5680297999060+05
5 .1990983598920+03 .1997891218010+03 .2000000000000+03 .5681439522410+05 .5680297999060+05 .5680301415680+05
5 -.1037836035550+09 -.1069630912690+09 .1352556150650+06 .1816265520600+07 -.1776313314860+07 .1964455303160+04
5 .1297865306660+09 .7229193725250+08 -.6173998935880+04 -.1328324497960+07 .2169113285930+07 .5529350219060+04
5 .1343291236340+09 .6475328842490+08 -.3733412904400+04 -.1436901220390+07 .2423312111680+07 -.4882942459190+05
5 .1692841060770+05 .0000000000000+00

```

2 -.682480320008D+08 -.134317096740D+09 .169522342186D+05 .284292763882D+07 -.146076433444D+07 -.434341914579D+05  
2 .167886149821D+05 .000000000000D+00  
2 .773199904841D+07 .146501038637D+09 .870047573034D+05 -.260154567674D+07 .142503653923D+06 -.243080991467D+04  
2 -.212478748487D+00 .977103721779D+00 .110044685062D-01 -.829418724592D-02 -.430295983656D-01 .122092636905D-02  
3 0 70 .168167366038D+05 .166077566412D+05 .166046495627D+05 .634452394235D+05 .926349713251D+05  
3 .200000000000D+03 .202016423543D+03 .202082507571D+03 .973384911409D+05 .926349713251D+05 .926424001275D+05  
3 -.632888580074D+08 .132730220342D+09 -.580021636699D+04 -.234419705034D+07 -.109893875728D+07 -.371477667334D+04  
3 -.188531294258D+07 -.150789470390D+09 .771858556693D+05 .259632038242D+07 .391596700149D+05 .146699132544D+05  
3 -.101425173631D+08 -.150630763268D+09 .494655731881D+04 .274050409907D+07 -.284378379020D+06 .125168350551D+05  
3 .168167366038D+05 .000000000000D+00  
3 -.632887142926D+08 .132730078762D+09 -.581079263533D+04 -.234419938654D+07 -.109892958710D+07 -.371454779487D+04  
3 -.711401336019D+00 .700833253609D+00 .523535074901D-01 .115644095114D-01 -.453932550075D-01 -.113296963256D-02  
4 0 229 .169285200499D+05 .167312351915D+05 .167276946428D+05 .165936472734D+06 .499822241110D+05  
4 .198975206051D+03 .200000000000D+03 .205823986654D+03 .499922105449D+05 .499822241110D+05 .508515827621D+05  
4 -.103549505139D+09 -.107176838402D+09 .139179823554D+06 .182006988338D+07 -.177321709702D+07 .173680616236D+04  
4 .129736595787D+09 .723531665044D+08 -.943871024361D+03 -.132941693983D+07 .217138975951D+07 .602062885707D+04  
4 .134412784815D+09 .645751038119D+08 -.327010176259D+04 -.144894615681D+07 .244516784380D+07 -.526359632742D+05  
4 .169285200499D+05 .000000000000D+00  
4 -.103549436665D+09 -.107176651719D+09 .139187018024D+06 .182006516241D+07 -.177322409864D+07 .173635714153D+04  
4 -.344133825077D+00 -.938224139981D+00 -.361576215202D-01 .237264261100D-01 .351883799953D-01 .225666722760D-02  
5 0 233 .169313322121D+05 .167326052416D+05 .167302581733D+05 .160701438539D+05 .576974867230D+04  
5 .197126923412D+03 .198563461706D+03 .202233067764D+03 .641491840458D+05 .576974867230D+04 .167525866137D+05  
5 -.983145214324D+08 -.112037825394D+09 .143629149021D+06 .190229131653D+07 -.168323526667D+07 .142668263664D+04  
5 .128023313869D+09 .754831830013D+08 -.178490806529D+04 -.141336738808D+07 .214640252434D+07 -.269430933446D+04  
5 .131345184244D+09 .704195094595D+08 .289446774663D+04 -.205901357108D+07 .263051962579D+07 .471591533199D+06  
5 .169313322121D+05 .000000000000D+00  
5 -.983144585343D+08 -.112037637176D+09 .143635873978D+06 .190228675401D+07 -.168324234541D+07 .142623451871D+04  
5 -.316765876296D+00 -.947898905340D+00 -.338680508583D-01 .229776170346D-01 .356497614347D-01 .225679955411D-02  
0  
Z0= .080000 T0= 16589.00000 NVO= 3 NTR= 5 MAR= 0  
1 0 8 .167741077484D+05 .165678792969D+05 .165678792969D+05 .356670579347D+06 .113742006062D+05  
1 .194283579258D+03 .200000000000D+03 .200034954903D+03 .114154356628D+05 .113742006062D+05 .113742088949D+05  
1 .448351658522D+08 .139680848366D+09 .112785751554D+06 -.248249846218D+07 .791085624770D+06 -.836264596224D+03  
1 -.953042341231D+08 -.116399440037D+09 .161739812837D+05 .261696170147D+07 -.191311913211D+07 -.323592953122D+05  
1 -.953042341231D+08 -.116399440037D+09 .161739812837D+05 .261696170147D+07 -.191311913211D+07 -.323592953122D+05  
1 .167741077484D+05 .000000000000D+00  
1 .448351637133D+08 .139680648361D+09 .112788440046D+06 -.248249555778D+07 .791093899439D+06 -.836663156995D+03  
1 .106927059267D-01 .999852503882D+00 -.134401086992D-01 -.145194766939D-01 -.413661170525D-01 .199245562529D-02  
2 0 28 .167881721952D+05 .165831303990D+05 .165808111786D+05 .787915743350D+05 .128270887787D+05  
2 .200000000000D+03 .200515172471D+03 .200710775842D+03 .128504501164D+05 .128270887787D+05 .128318031721D+05  
2 .889957570927D+07 .146426319348D+09 .904501975157D+05 -.260085689264D+07 .162775273479D+06 -.229214790667D+04  
2 -.623726074481D+08 -.136786639457D+09 .666478063369D+05 .235721928164D+07 -.977805722421D+06 .139391795630D+05  
2 -.679275342662D+08 -.134481039764D+09 .171046027015D+05 .286819679157D+07 -.145206582210D+07 -.536277959215D+05  
2 .167881721952D+05 .000000000000D+00  
2 .889961694110D+07 .146426123125D+09 .904484775494D+05 -.260085523170D+07 .162783896792D+06 -.229241053873D+04  
2 -.205629464680D+00 .978592328650D+00 .857773642446D-02 -.828334797446D-02 -.430057858591D-01 .130978645324D-02  
3 0 69 .168170043111D+05 .166079318936D+05 .166048896704D+05 .654884418663D+05 .881554126139D+05  
3 .194504211956D+03 .199954173815D+03 .200000000000D+03 .120024634011D+06 .881554126139D+05 .881613689429D+05  
3 -.639164618897D+08 .132426944871D+09 -.283652111920D+04 -.233946009563D+07 -.111001891358D+07 -.371406368615D+04  
3 -.144757659966D+07 -.150783566571D+09 .772652331314D+05 .259487925475D+07 .482451394011D+05 .147008368521D+05  
3 -.953270212456D+07 -.150668606563D+09 .608234049876D+04 .274942441631D+07 -.272717380164D+06 .134842737702D+05  
3 .168170043111D+05 .000000000000D+00  
3 -.639163195976D+08 .132426804770D+09 -.284683672110D+04 -.233946242913D+07 -.111000987303D+07 -.371385286402D+04  
3 -.711623575080D+00 .700664239703D+00 .515898303127D-01 .116701545014D-01 -.452131198131D-01 -.105435223080D-02  
4 0 227 .169281134408D+05 .167311426373D+05 .167277621600D+05 .158941071536D+06 .532812474455D+05

Z0= .080000 T0= 16587.00000 NVO= 3 NTR= 5 MAR= 0

1 6 10 .167735940663D+05 .165669689894D+05 .165669685854D+05 .363454202295D+06 .110734764881D+05  
1 .194300803547D+03 .197693256919D+03 .200000000000D+03 .110880286166D+05 .110734764881D+05 .110804395112D+05  
1 .460694002584D+08 .139286653000D+09 .111571784619D+06 -.247492901751D+07 .813123560279D+06 -.101648437344D+04  
1 -.970750112805D+08 -.114904772675D+09 .161188005514D+05 .259449555935D+07 -.196320720027D+07 -.190523315641D+05  
1 -.970760586317D+08 -.114903977746D+09 .161266958374D+05 .259036146562D+07 -.197205924186D+07 -.200320834082D+05  
1 .167735940663D+05 .000000000000D+00  
1 .460693953960D+08 .139286455379D+09 .111574009890D+06 -.247492598070D+07 .813131672849D+06 -.101686717814D+04  
1 .245954415115D-01 .999634114377D+00 -.112561818391D-01 -.153611968613D-01 -.410361485067D-01 .193635686483D-02  
2 0 31 .167883542112D+05 .165828680524D+05 .165805312281D+05 .786056467906D+05 .144224958092D+05  
2 .194461537219D+03 .198998391928D+03 .199163510165D+03 .177671484510D+05 .144224958092D+05 .144315100443D+05  
2 .839492177822D+07 .146470009533D+09 .851672692274D+05 -.260051132259D+07 .154269543783D+06 -.250206365986D+04  
2 -.629624175870D+08 -.136519197123D+09 .686941482336D+05 .235602273652D+07 -.990337859653D+06 .140047428712D+05  
2 -.685607089259D+08 -.134156312753D+09 .167975176396D+05 .281752415365D+07 -.146858018986D+07 -.331232887264D+05  
2 .167883542112D+05 .000000000000D+00  
2 .839496311124D+07 .146469814890D+09 .851648323606D+05 -.260050959948D+07 .154278096083D+06 -.250229741233D+04  
2 -.207705285652D+00 .978114798017D+00 .122456609707D-01 -.865893874364D-02 -.429767267263D-01 .117464502176D-02  
3 0 72 .168171716369D+05 .166074832219D+05 .166044094701D+05 .618931382268D+05 .971509189838D+05  
3 .194483398857D+03 .198463242961D+03 .198497230524D+03 .123088694095D+06 .971509189838D+05 .971549436829D+05  
3 -.643051791444D+08 .132256114105D+09 -.113167101331D+05 -.233474884495D+07 -.111640714795D+07 -.370237090991D+04  
3 -.257868030321D+07 -.150797401400D+09 .755721383519D+05 .259947412932D+07 .256794713140D+05 .156184635174D+05  
3 -.107524110359D+08 -.150590310741D+09 .379958168206D+04 .273172689454D+07 -.296252053867D+06 .116880891213D+05  
3 .168171716369D+05 .000000000000D+00  
3 -.643050356123D+08 .132255977457D+09 -.113273670780D+05 -.233475125703D+07 -.111639810999D+07 -.370211582390D+04  
3 -.723217531207D+00 .688529592699D+00 .536973233228D-01 .121537727615D-01 -.455397224438D-01 -.128530606849D-02  
4 0 230 .169282241555D+05 .167312630341D+05 .167277569619D+05 .163350616679D+06 .468958002854D+05  
4 .202507639920D+03 .202630306023D+03 .205915564918D+03 .468967583930D+05 .468958002854D+05 .470609893044D+05  
4 -.104069180779D+09 -.106661122209D+09 .140314629620D+06 .181139894504D+07 -.178260752010D+07 .166023552869D+04  
4 .129701370174D+09 .724161044578D+08 .135584097255D+04 -.133147851599D+07 .217144100689D+07 .624834050169D+04  
4 .134341375898D+09 .647165097816D+08 -.307733385916D+04 -.145959152382D+07 .245390365314D+07 -.541786622493D+05  
4 .169282241555D+05 .000000000000D+00  
4 -.104069109117D+09 -.106660932811D+09 .140321840265D+06 .181139406157D+07 -.178261458376D+07 .165977803496D+04  
4 -.353657305459D+00 -.934697920145D+00 -.355852268693D-01 .241003869432D-01 .348598187252D-01 .225777546800D-02  
5 0 235 .169317384757D+05 .167325821225D+05 .167301355699D+05 .119399758308D+05 .581968096699D+04  
5 .194273476587D+03 .195705107440D+03 .200000000000D+03 .247888619223D+06 .581968096699D+04 .158212558133D+05  
5 -.975210355918D+08 -.112729743223D+09 .145462996613D+06 .191398778283D+07 -.167002080486D+07 .126811070795D+04  
5 .128053240301D+09 .754300477919D+08 .284691688306D+03 -.141814915365D+07 .215364705945D+07 -.484878668717D+04  
5 .131495018308D+09 .701384144855D+08 .588871495315D+04 -.199344111353D+07 .212703125751D+07 .645599654604D+06  
5 .169317384757D+05 .000000000000D+00  
5 -.975209731147D+08 -.112729557868D+09 .145469374284D+06 .191398325120D+07 -.167002773749D+07 .126767047902D+04  
5 -.319240937688D+00 -.947113105729D+00 -.325881674860D-01 .231553857821D-01 .354238416988D-01 .224945037434D-02  
0

Z0= .080000 T0= 16588.00000 NVO= 3 NTR= 5 MAR= 0

1 0 9 .167738511307D+05 .165674218581D+05 .165674218581D+05 .359842966900D+06 .112059615059D+05  
1 .194216197137D+03 .198804621304D+03 .200000000000D+03 .112322763332D+05 .112059615059D+05 .112079200613D+05  
1 .454520991812D+08 .139485214178D+09 .112212982066D+06 -.247874577565D+07 .802105955430D+06 -.927436403349D+03  
1 -.961970226788D+08 -.115651740045D+09 .161528446139D+05 .260429203800D+07 -.194296020902D+07 -.262842782513D+05  
1 -.961970226788D+08 -.115651740045D+09 .161528446139D+05 .260429203800D+07 -.194296020902D+07 -.262842782513D+05  
1 .167738511307D+05 .000000000000D+00  
1 .454520956657D+08 .139485015420D+09 .112215436577D+06 -.247874280499D+07 .802114146745D+06 -.927827017256D+03  
1 .176834017561D-01 .999767405433D+00 -.123463490666D-01 -.149425927892D-01 -.412028382400D-01 .196481301159D-02  
2 0 30 .167886149821D+05 .165829982602D+05 .165806695433D+05 .785699616383D+05 .135870274925D+05  
2 .194384636520D+03 .196895812074D+03 .1969957611357D+03 .144102055360D+05 .135870274925D+05 .135884167025D+05  
2 .773195721223D+07 .146501231025D+09 .870069240372D+05 -.260154730983D+07 .142495181575D+06 -.243056951938D+04  
2 -.626698177072D+08 -.136651952329D+09 .677079776668D+05 .235660304466D+07 -.984107827714D+06 .139850190303D+05

2 -.692660950978D+08 -.133790146161D+09 .164020847979D+05 .276681174505D+07 -.148186744413D+07 -.213184159443D+05  
2 .167885338220D+05 .000000000000D+00  
2 .789879104699D+07 .146512148793D+09 .795220794707D+05 -.260006510018D+07 .145865286390D+06 -.269575287052D+04  
2 -.210608433779D+00 .977441990187D+00 .158506605649D-01 -.900186171715D-02 -.429710393679D-01 .103473314707D-02  
3 0 233 .169283364508D+05 .167312582260D+05 .167277207776D+05 .168748109512D+06 .413240882918D+05  
3 .202090299818D+03 .202310233152D+03 .205938794317D+03 .413257924814D+05 .413240882918D+05 .415000528700D+05  
3 -.103830365250D+09 -.106883022987D+09 .143344296563D+06 .181521625359D+07 -.177937679748D+07 .142850555740D+04  
3 .129702300103D+09 .724011479114D+08 .615551889322D+04 -.133223301243D+07 .217382402920D+07 .663072870331D+04  
3 .134381904541D+09 .646267721020D+08 -.265474898377D+04 -.147353218314D+07 .247724885985D+07 -.575168664029D+05  
3 .169283364508D+05 .000000000000D+00  
3 -.103830291583D+09 -.106882834690D+09 .143351142465D+06 .181521124386D+07 -.177938376847D+07 .142804790085D+04  
3 -.364127936975D+00 -.930734007322D+00 -.338386336853D-01 .247626334983D-01 .344569407407D-01 .226215225373D-02  
4 0 238 .169318490796D+05 .167326508101D+05 .167304049544D+05 .206926354730D+05 .564904985208D+04  
4 .194346491640D+03 .197173245820D+03 .202800027498D+03 .369921993933D+06 .564904985208D+04 .172436167958D+05  
4 -.972726052263D+08 -.112936954213D+09 .147662182710D+06 .191743711855D+07 -.166655378397D+07 .102882288028D+04  
4 .127964495070D+09 .755872595314D+08 .331935563719D+04 -.141476294370D+07 .214544519340D+07 .530999872049D+04  
4 .131158737478D+09 .707521360514D+08 -.836861627272D+03 -.224158963466D+07 .242380201312D+07 -.174667665582D+06  
4 .169318490796D+05 .000000000000D+00  
4 -.972725403959D+08 -.112936768100D+09 .147668211696D+06 .191743242036D+07 -.166656069510D+07 .102838114088D+04  
4 -.328799280835D+00 -.943904695389D+00 -.305770983846D-01 .238277303430D-01 .350510670301D-01 .224036175470D-02

0  
Z0= .080000 T0= 16586.00000 NVO= 3 NTR= 4 MAR= 0

1 0 10 .167726337865D+05 .165665106412D+05 .165665106412D+05 .366797549190D+06 .109763033957D+05  
1 .200000000000D+03 .202372803363D+03 .205933422946D+03 .109828364675D+05 .109763033957D+05 .109914799607D+05  
1 .484199795396D+08 .138495348151D+09 .111614225517D+06 -.246058812483D+07 .854349496811D+06 -.102576721422D+04  
1 -.979584162475D+08 -.114141602106D+09 .160942486720D+05 .257491925552D+07 -.200061348718D+07 -.137516328362D+05  
1 -.979584162475D+08 -.114141602106D+09 .160942486720D+05 .257491925552D+07 -.200061348718D+07 -.137516328362D+05  
1 .167726337865D+05 .000000000000D+00  
1 .484199711310D+08 .138495145966D+09 .111616493822D+06 -.246058487645D+07 .854357747256D+06 -.102615889867D+04  
1 .415501748528D-01 .999073546585D+00 -.112085451461D-01 -.160514708604D-01 -.407685474207D-01 .193545991656D-02  
2 0 32 .167880930246D+05 .165827202550D+05 .165803667407D+05 .773631739590D+05 .153293552844D+05  
2 .200000000000D+03 .200918261450D+03 .200948057584D+03 .154234232898D+05 .153293552844D+05 .153298772361D+05  
2 .905907830852D+07 .146435824199D+09 .832985847091D+05 -.259941367894D+07 .166053810756D+06 -.257089900508D+04  
2 -.632948045371D+08 -.136366241966D+09 .696347230969D+05 .235500714279D+07 -.997396427432D+06 .140997742550D+05  
2 -.689320000701D+08 -.133964067820D+09 .165908419350D+05 .279205395609D+07 -.147555917436D+07 -.287319356144D+05  
2 .167880930246D+05 .000000000000D+00  
2 .905911909660D+07 .146435627483D+09 .832958786621D+05 -.259941186664D+07 .166062434826D+06 -.257112567376D+04  
2 -.203008326543D+00 .979084379214D+00 .134683975766D-01 -.902007578367D-02 -.429232755996D-01 .112816363389D-02  
3 0 232 .169286315530D+05 .167312432320D+05 .167276775040D+05 .170683551689D+06 .440144895227D+05  
3 .198804565644D+03 .200000000000D+03 .205921715675D+03 .440202721752D+05 .440144895227D+05 .448363484124D+05  
3 -.103311054652D+09 -.107395558004D+09 .142440882476D+06 .182386743344D+07 -.177000692712D+07 .150565903172D+04  
3 .129721768006D+09 .723665340941D+08 .390769835151D+04 -.133066994009D+07 .217341065297D+07 .643018830104D+04  
3 .134431606550D+09 .645291134442D+08 -.283981706514D+04 -.146374727599D+07 .246706837388D+07 -.560659034158D+05  
3 .169286315530D+05 .000000000000D+00  
3 -.103310984110D+09 -.107395372262D+09 .142447734070D+06 .182386258313D+07 -.177001384436D+07 .150520871819D+04  
3 -.354831716283D+00 -.934294754328D+00 -.344639689285D-01 .243973803071D-01 .347941734198D-01 .226510658971D-02  
4 0 236 .169314423236D+05 .167325880216D+05 .167301647518D+05 .121160088859D+05 .590029292391D+04  
4 .197178547776D+03 .198589273888D+03 .202201044830D+03 .270330589761D+06 .590029292391D+04 .130058929969D+05  
4 -.980683971045D+08 -.112244849705D+09 .146228378608D+06 .190579587163D+07 -.167983790549D+07 .118871348027D+04  
4 .128045639807D+09 .754435447786D+08 .193718872990D+04 -.141909153919D+07 .215536891864D+07 -.754436026766D+03  
4 .131455029608D+09 .702012035788D+08 .421458396902D+04 -.209858759385D+07 .186128475994D+07 .295195436488D+06  
4 .169314423236D+05 .000000000000D+00  
4 -.980683322141D+08 -.112244662124D+09 .146234724822D+06 .190579117332D+07 -.167984491145D+07 .118826579242D+04  
4 -.326756831997D+00 -.944568026160D+00 -.319564813261D-01 .236584081941D-01 .352786436006D-01 .225434052854D-02

0



## RESULTS PROGRAM AFMIN, COMPUTED FROM FILES OF SELWS\* and VECSWS

If you do a manual change to the movements  
you must change the var. MAR according to the  
var. IND of routine IWSMD

INPUT FILE 1 (from progr SELWS\*): selws1.dat

INPUT FILE 2 (from progr VECSWS): vecsws1.dat

SPCSM= .100000000000-01 IPA= 1 1 11 1 1 1 1 1 1 1 1 1 1 1 0 0 0 ICO= 2

0

ZO= .080000 TO= 16584.00000 NVO= 3 NTR= 4 MAR= 0

1	0	12	.167721168785D+05	.165655713568D+05	.165655713568D+05	.374489033902D+06	.108897647148D+05
1			.194271275613D+03	.199936114900D+03	.200000000000D+03	.109272992044D+05	.108897647148D+05
1			.496519852917D+08	.138067549092D+09	.110140030846D+06	-.245236996182D+07	.876293823485D+06
1			-.997499376616D+08	-.112556333628D+09	.160068921513D+05	.253915233185D+07	-.205603979266D+07
1			-.997499376616D+08	-.112556333628D+09	.160068921513D+05	.253915233171D+07	-.205603979290D+07
1			.167721168785D+05	.000000000000D+00			
1			.496519742634D+08	.138067349468D+09	.110141840416D+06	-.245236658895D+07	.876301903073D+06
1			.551589819961D-01	.998436563228D+00	-.905074114647D-02	-.168697243633D-01	-.404108478469D-01
2	0	35	.167882712162D+05	.165824400594D+05	.165800620761D+05	.764243835639D+05	.174033253092D+05
2			.194444027333D+03	.199496739481D+03	.199576419185D+03	.225354022326D+05	.174033253092D+05
2			.856762106122D+07	.146480370646D+09	.775420405911D+05	-.259898355627D+07	.157698171684D+06
2			-.639238771106D+08	-.136076793457D+09	.713113714252D+05	.235330237813D+07	-.101084998023D+07
2			-.696186025268D+08	-.133605501739D+09	.161879212513D+05	.274179217803D+07	-.148752181360D+07
2			.167882712162D+05	.000000000000D+00			
2			.856766219412D+07	.146480175465D+09	.775386385845D+05	-.259898169042D+07	.157706734927D+06
2			-.206183310034D+00	.978364778484D+00	.170529435854D-01	-.935278172192D-02	-.429242231211D-01
3	0	235	.169287437179D+05	.167312512028D+05	.167277005718D+05	.171052511645D+06	.388235433939D+05
3			.198002850598D+03	.198491422477D+03	.200000000000D+03	.388275822743D+05	.388235433939D+05
3			-.103070909516D+09	-.107616724463D+09	.145101391795D+06	.182761412169D+07	-.176672335845D+07
3			.129708542857D+09	.723841698718D+08	.852162374744D+04	-.133251477135D+07	.217510026854D+07
3			.134404512739D+09	.645772969647D+08	-.245481646249D+04	-.148033128556D+07	.248964634754D+07
3			.169287437179D+05	.000000000000D+00			
3			-.103070837456D+09	-.107616539627D+09	.145107873015D+06	.182760911741D+07	-.176673022309D+07
3			-.363036358518D+00	-.931202675826D+00	-.326523954570D-01	.252115814412D-01	.345840610678D-01
4	0	239	.169315531679D+05	.167326546127D+05	.167304300974D+05	.223262211431D+05	.573131631603D+04
4			.197131810629D+03	.199411465897D+03	.200173370234D+03	.182602488534D+05	.573131631603D+04
4			-.978206016695D+08	-.112454243467D+09	.148220900017D+06	.190924750193D+07	-.167636445569D+07
4			.127959565993D+09	.755972104109D+08	.505624387826D+04	-.141502421686D+07	.214527246797D+07
4			.131128445474D+09	.708093996104D+08	-.154642530065D+04	-.219832333856D+07	.247921021424D+07
4			.169315531679D+05	.000000000000D+00			
4			-.978205351224D+08	-.112454055582D+09	.148226867190D+06	.190924261347D+07	-.167637146488D+07
4			-.333717650891D+00	-.942198009202D+00	-.299239191948D-01	.245144252750D-01	.351493937628D-01

0

ZO= .080000 TO= 16585.00000 NVO= 3 NTR= 4 MAR= 0

1	0	11	.167723757292D+05	.165660445541D+05	.165660445541D+05	.370575136838D+06	.109147234828D+05
1			.200000000000D+03	.201143597335D+03	.205871524205D+03	.109162052473D+05	.109147234828D+05
1			.490354101235D+08	.138283083713D+09	.110907263107D+06	-.245651434690D+07	.865316893724D+06
1			-.988504858553D+08	-.113358579639D+09	.160545207732D+05	.255785072605D+07	-.202864579467D+07
1			-.988504858553D+08	-.113358579639D+09	.160545207732D+05	.255785072605D+07	-.202864579467D+07
1			.167723757292D+05	.000000000000D+00			
1			.490354003891D+08	.138282882815D+09	.110909301250D+06	-.245651103550D+07	.865325058361D+06
1			.483951762978D-01	.998776868847D+00	-.101327768540D-01	-.164628487722D-01	-.405910853849D-01
2	0	34	.167885338220D+05	.165825830374D+05	.165802185895D+05	.770613786152D+05	.163226689747D+05
2			.194461849372D+03	.197415057023D+03	.197556630706D+03	.177826883123D+05	.163226689747D+05
2			.789874946971D+07	.146512341755D+09	.795252086298D+05	-.260006687728D+07	.145856803260D+06
2			-.636029086587D+08	-.136224959258D+09	.704975950131D+05	.235423243859D+07	-.100398337887D+07

2	.194360007274D+03	.200000000000D+03	.205722236977D+03	.160768531876D+05	.142745695810D+05	.157891571803D+05
3	232 141509.805	42846.280	7.69-JUN-1996	21.91-NOV-1995	18.72-NOV-1995	
3	.194339147330D+03	.200000000000D+03	.205920793368D+03	.431052258542D+05	.428462804550D+05	.438575228607D+05
4	236 52146.025	16700.027	10.52-JUN-1996	23.34-NOV-1995	21.30-NOV-1995	
4	.194264065158D+03	.200000000000D+03	.205803731664D+03	.356063546104D+05	.167000268780D+05	.215245964044D+05

1



0

Z0= .080000 T0= 16612.00000 NVO= 3 NC1= 0 NC2=250 DESP= 200.000 RTOL=100000.000 NTR= 4 MAR= 0  
 1 14 370627.484 9964.886 31.35-DEC-1995 8.59-JUN-1995 8.59-JUN-1995  
 1 .194287979671D+03 .200000000000D+03 .205945349433D+03 .997723382800D+04 .996488633367D+04 .100298401549D+05  
 2 38 104336.275 20342.071 17.34-JAN-1996 26.10-JUN-1995 23.80-JUN-1995  
 2 .194410727325D+03 .200000000000D+03 .205670994937D+03 .207969510424D+05 .203420714035D+05 .227702452172D+05  
 3 239 159771.260 31448.367 7.64-JUN-1996 21.82-NOV-1995 18.49-NOV-1995  
 3 .194323877000D+03 .200000000000D+03 .205932778182D+03 .315938030389D+05 .314483671186D+05 .321677107535D+05  
 4 243 32102.217 6827.060 10.47-JUN-1996 23.14-NOV-1995 21.07-NOV-1995  
 4 .194334092992D+03 .200000000000D+03 .205829996071D+03 .594668882597D+05 .682706039019D+04 .138257198046D+05

0

Z0= .080000 T0= 16613.00000 NVO= 3 NC1= 0 NC2=250 DESP= 200.000 RTOL=100000.000 NTR= 4 MAR= 0  
 1 13 368071.489 9933.908 31.59-DEC-1995 8.92-JUN-1995 8.92-JUN-1995  
 1 .194214322538D+03 .200000000000D+03 .205871880720D+03 .996467922393D+04 .993390836330D+04 .998163027205D+04  
 2 36 85176.401 18589.161 16.88-JAN-1996 25.98-JUN-1995 23.57-JUN-1995  
 2 .194478509419D+03 .200000000000D+03 .205744914123D+03 .232841558547D+05 .185891609498D+05 .196957669636D+05  
 3 237 187932.629 33451.015 7.23-JUN-1996 21.73-NOV-1995 18.11-NOV-1995  
 3 .194265821933D+03 .200000000000D+03 .205803948028D+03 .339198656371D+05 .334510152193D+05 .334888271719D+05  
 4 242 49528.776 11277.656 10.77-JUN-1996 23.30-NOV-1995 21.31-NOV-1995  
 4 .194292109070D+03 .200000000000D+03 .205780680258D+03 .421695592806D+05 .112776559662D+05 .160811345212D+05

0

Z0= .080000 T0= 16614.00000 NVO= 3 NC1= 0 NC2=250 DESP= 200.000 RTOL=100000.000 NTR= 4 MAR= 0  
 1 12 365611.032 9944.887 31.84-DEC-1995 9.25-JUN-1995 9.25-JUN-1995  
 1 .194184361067D+03 .200000000000D+03 .205902518753D+03 .999380045348D+04 .994488654222D+04 .997626902304D+04  
 2 35 95541.800 17356.251 17.13-JAN-1996 26.27-JUN-1995 23.95-JUN-1995  
 2 .194382754509D+03 .200000000000D+03 .205699406605D+03 .195654315151D+05 .173562508189D+05 .191697240333D+05  
 3 236 153962.131 35496.519 7.52-JUN-1996 21.86-NOV-1995 18.57-NOV-1995  
 3 .194259045258D+03 .200000000000D+03 .205911750315D+03 .357172189398D+05 .354965185352D+05 .362722798290D+05  
 4 240 40617.884 10623.984 10.35-JUN-1996 23.23-NOV-1995 21.18-NOV-1995  
 4 .194257687455D+03 .200000000000D+03 .206003817128D+03 .558852641610D+05 .106239839914D+05 .166897486937D+05

0

Z0= .080000 T0= 16615.00000 NVO= 3 NC1= 0 NC2=250 DESP= 200.000 RTOL=100000.000 NTR= 4 MAR= 0  
 1 11 363235.331 9995.882 1.08-JAN-1996 9.57-JUN-1995 9.57-JUN-1995  
 1 .194212318667D+03 .200000000000D+03 .205948375040D+03 .100621504391D+05 .999588234788D+04 .100111865712D+05  
 2 34 107248.140 16653.783 17.38-JAN-1996 26.56-JUN-1995 24.32-JUN-1995  
 2 .194412780611D+03 .200000000000D+03 .205739516780D+03 .168336530457D+05 .166537827388D+05 .186642288514D+05  
 3 235 137692.068 37840.292 7.81-JUN-1996 21.94-NOV-1995 18.79-NOV-1995  
 3 .194261668172D+03 .200000000000D+03 .205904405973D+03 .378923862710D+05 .378402918943D+05 .391947694204D+05  
 4 239 54875.240 14394.286 10.64-JUN-1996 23.37-NOV-1995 21.37-NOV-1995  
 4 .194274072855D+03 .200000000000D+03 .205889423982D+03 .270186809451D+05 .143942864348D+05 .188225112391D+05

0

Z0= .080000 T0= 16616.00000 NVO= 3 NC1= 0 NC2=250 DESP= 200.000 RTOL=100000.000 NTR= 4 MAR= 0  
 1 11 356360.373 10084.274 2.03-JAN-1996 10.57-JUN-1995 10.57-JUN-1995  
 1 .194204985058D+03 .200000000000D+03 .205956535657D+03 .100852652694D+05 .100842744642D+05 .101670088375D+05  
 2 32 87165.381 15182.367 16.92-JAN-1996 26.43-JUN-1995 24.08-JUN-1995  
 2 .194391725829D+03 .200000000000D+03 .205690535473D+03 .191395104883D+05 .151823665973D+05 .161814440359D+05  
 3 233 156314.079 40210.740 7.39-JUN-1996 21.85-NOV-1995 18.53-NOV-1995  
 3 .194309816283D+03 .200000000000D+03 .205957556620D+03 .406067186612D+05 .402107400476D+05 .407742052850D+05  
 4 237 40316.257 13189.924 10.23-JUN-1996 23.23-NOV-1995 21.15-NOV-1995  
 4 .194310070319D+03 .200000000000D+03 .205953650990D+03 .515233375329D+05 .131899241456D+05 .191895701763D+05

0

Z0= .080000 T0= 16617.00000 NVO= 3 NC1= 0 NC2=250 DESP= 200.000 RTOL=100000.000 NTR= 4 MAR= 0  
 1 10 354493.711 10194.676 2.28-JAN-1996 10.89-JUN-1995 10.89-JUN-1995  
 1 .194245715293D+03 .200000000000D+03 .205994139033D+03 .102117960701D+05 .101946763740D+05 .102614649249D+05  
 2 31 97391.362 14274.570 17.17-JAN-1996 26.72-JUN-1995 24.45-JUN-1995

```

1 .1941223642700+03 .2000000000000+03 .2059627562630+03 .1413698823720+05 .9638283050890+04 .1049120279800+05
2 17 394259.043 10673.565 28.69-DEC-1995 5.59-JUN-1995 5.59-JUN-1995
2 .1942418572720+03 .2000000000000+03 .2058437186170+03 .1069659351260+05 .1067356545070+05 .1070561365260+05
3 44 79100.832 28744.165 16.78-JAN-1996 25.00-JUN-1995 22.45-JUN-1995
3 .1944326096200+03 .2000000000000+03 .2056479914600+03 .3618165376880+05 .2874416534010+05 .2970998244100+05
4 153 46438.818 81890.782 2.83-APR-1996 5.90-SEP-1995 1.01-SEP-1995
4 .1936372926330+03 .2000000000000+03 .2063678056890+03 .1133747421170+06 .8189078243350+05 .4351716505930+06
5 202 43091.220 91439.617 7.46-MAI-1996 23.74-OCT-1995 20.76-OCT-1995
5 .1942751288230+03 .2000000000000+03 .2058938345000+03 .1592658314720+06 .9143961728240+05 .9675684764020+05
6 246 200439.740 23881.634 7.57-JUN-1996 21.57-NOV-1995 17.84-NOV-1995
6 .1944927906940+03 .2000000000000+03 .2057343168950+03 .2400828786430+05 .2388163415150+05 .2410542110590+05
0
Z0= .080000 T0= 16608.00000 NVO= 3 NC1= 0 NC2=250 DESP= 200.000 RTOL=100000.000 NTR= 5 MAR= 0
1 3 93515.921 10222.982 19.75-DEC-1995 30.31-MAI-1995 28.15-MAI-1995
1 .1941651706970+03 .2000000000000+03 .2060023400250+03 .1100922334290+05 .1022298203250+05 .1113484792720+05
2 16 391858.091 10463.903 28.94-DEC-1995 5.93-JUN-1995 5.93-JUN-1995
2 .1942775798290+03 .2000000000000+03 .2058811441590+03 .1051503658930+05 .1046390302630+05 .1047030967130+05
3 43 88930.765 26377.387 17.03-JAN-1996 25.30-JUN-1995 22.84-JUN-1995
3 .1944750709710+03 .2000000000000+03 .2056779407700+03 .3061746589750+05 .2637738700810+05 .2880529479050+05
4 151 47011.403 94870.122 2.40-APR-1996 12.43-SEP-1995 6.46-SEP-1995
4 .1937230562430+03 .2000000000000+03 .2064641652790+03 .3875730189760+06 .9487012202750+05 .4341890818590+06
5 245 177027.241 25154.877 7.87-JUN-1996 21.67-NOV-1995 18.18-NOV-1995
5 .1944504704080+03 .2000000000000+03 .2056954648200+03 .2519620885350+05 .2515487704250+05 .2565469478480+05
0
Z0= .080000 T0= 16609.00000 NVO= 3 NC1= 0 NC2=250 DESP= 200.000 RTOL=100000.000 NTR= 5 MAR= 0
1 1 67231.005 10355.763 19.29-DEC-1995 30.08-MAI-1995 27.77-MAI-1995
1 .1941803863010+03 .2000000000000+03 .2060710180360+03 .2153654642630+05 .1035576349730+05 .1099443751860+05
2 16 384011.762 10279.385 29.90-DEC-1995 6.93-JUN-1995 6.93-JUN-1995
2 .1942325527450+03 .2000000000000+03 .2058533745710+03 .1029741501070+05 .1027938496140+05 .1032772290670+05
3 42 100662.483 25026.878 17.29-JAN-1996 25.61-JUN-1995 23.23-JUN-1995
3 .1944986812250+03 .2000000000000+03 .2057255883110+03 .2603101046150+05 .2502687825050+05 .2794995776130+05
4 243 190880.901 26500.194 7.46-JUN-1996 21.65-NOV-1995 18.02-NOV-1995
4 .1943163955570+03 .2000000000000+03 .2057527810130+03 .2670481927500+05 .2650019445020+05 .2673584574780+05
5 248 42182.531 6906.850 11.00-JUN-1996 23.15-NOV-1995 21.17-NOV-1995
5 .1943577966530+03 .2000000000000+03 .2057109784620+03 .1465402231760+06 .6906850468330+04 .1215732127340+05
0
Z0= .080000 T0= 16610.00000 NVO= 3 NC1= 0 NC2=250 DESP= 200.000 RTOL=100000.000 NTR= 4 MAR= 0
1 15 381567.507 10133.587 30.14-DEC-1995 7.26-JUN-1995 7.26-JUN-1995
1 .1942390736970+03 .2000000000000+03 .2059207751540+03 .1017510412070+05 .1013358708200+05 .1016081624650+05
2 40 82409.287 23034.298 16.83-JAN-1996 25.50-JUN-1995 23.03-JUN-1995
2 .1945051722230+03 .2000000000000+03 .2057182781450+03 .2887761451930+05 .2303429777350+05 .2414649315700+05
3 242 164242.042 28032.582 7.76-JUN-1996 21.76-NOV-1995 18.40-NOV-1995
3 .1943902371320+03 .2000000000000+03 .2058565665730+03 .2809067107990+05 .2803258244830+05 .2872831095960+05
4 246 24784.992 5749.242 10.59-JUN-1996 23.04-NOV-1995 20.94-NOV-1995
4 .1943270201590+03 .2000000000000+03 .2058293499500+03 .5406210555050+05 .5749242379890+04 .1152704137110+05
0
Z0= .080000 T0= 16611.00000 NVO= 3 NC1= 0 NC2=250 DESP= 200.000 RTOL=100000.000 NTR= 4 MAR= 0
1 14 378816.939 10033.077 30.39-DEC-1995 7.59-JUN-1995 7.59-JUN-1995
1 .1942266329210+03 .2000000000000+03 .2058605996000+03 .1009686049800+05 .1003307651880+05 .1003994617010+05
2 39 92521.325 21320.165 17.09-JAN-1996 25.80-JUN-1995 23.41-JUN-1995
2 .1944260835570+03 .2000000000000+03 .2057256803540+03 .2432879586820+05 .2132016547770+05 .2343908594720+05
3 240 195946.251 29692.542 7.35-JUN-1996 21.68-NOV-1995 17.98-NOV-1995
3 .1943397308210+03 .2000000000000+03 .2057240379220+03 .3006239614490+05 .2969254218250+05 .2973837976110+05
4 245 37467.515 7162.316 10.88-JUN-1996 23.17-NOV-1995 21.14-NOV-1995
4 .1943876635710+03 .2000000000000+03 .2056790023910+03 .7692455347830+05 .7162316146750+04 .1331380841520+05

```

```

2 11 92485.981 8901.202 19.67-DEC-1995 29.79-MAI-1995 27.62-MAI-1995
2 .194260410752D+03 .200000000000D+03 .2059008114300+03 .103500455788D+05 .890120209620D+04 .987783103330D+04
3 51 78979.251 40300.304 16.91-JAN-1996 24.24-JUN-1995 21.60-JUN-1995
3 .194441110802D+03 .200000000000D+03 .2056391276500+03 .495227891524D+05 .403003035574D+05 .430093189303D+05
4 211 55986.156 62664.510 8.84-MAI-1996 24.35-OCT-1995 21.77-OCT-1995
4 .194286368846D+03 .200000000000D+03 .205880590517D+03 .884737339642D+05 .626645103704D+05 .711182088131D+05
0
Z0= .080000 T0= 16603.00000 NVO= 3 NC1= 0 NC2=250 DESP= 200.000 RTOL=100000.000 NTR= 4 MAR= 0
1 1 324958.731 17892.636 13.57-DEC-1995 27.74-MAI-1995 21.88-MAI-1995
1 .194174311922D+03 .200000000000D+03 .206075597121D+03 .179063709393D+05 .178926355501D+05 .179628267473D+05
2 9 68061.835 9116.057 19.21-DEC-1995 29.58-MAI-1995 27.27-MAI-1995
2 .194236017592D+03 .200000000000D+03 .205926689313D+03 .184400817951D+05 .911605695144D+04 .929323729074D+04
3 50 90885.730 37812.968 17.16-JAN-1996 24.56-JUN-1995 22.01-JUN-1995
3 .194507669622D+03 .200000000000D+03 .205645770900D+03 .416633814360D+05 .378129675873D+05 .419261488933D+05
4 209 47021.263 65840.925 8.42-MAI-1996 24.16-OCT-1995 21.49-OCT-1995
4 .194254541075D+03 .200000000000D+03 .205915846084D+03 .118557890535D+06 .658409246699D+05 .747495529523D+05
0
Z0= .080000 T0= 16604.00000 NVO= 3 NC1= 0 NC2=250 DESP= 200.000 RTOL=100000.000 NTR= 5 MAR= 0
1 8 80013.822 8968.883 19.46-DEC-1995 29.82-MAI-1995 27.59-MAI-1995
1 .194190324255D+03 .200000000000D+03 .205896418325D+03 .136036675583D+05 .896888339850D+04 .975693504872D+04
2 17 385823.971 11438.740 25.82-DEC-1995 3.23-JUN-1995 2.59-JUN-1995
2 .194272480517D+03 .200000000000D+03 .205886309922D+03 .114517468728D+05 .114387399943D+05 .114423202256D+05
3 48 74955.027 35959.489 16.71-JAN-1996 24.47-JUN-1995 21.84-JUN-1995
3 .194469996184D+03 .200000000000D+03 .205683553032D+03 .455634108639D+05 .359594893031D+05 .364048397471D+05
4 207 38081.098 74424.360 8.01-MAI-1996 23.96-OCT-1995 21.14-OCT-1995
4 .194195100704D+03 .200000000000D+03 .205974661930D+03 .140274218416D+06 .744243595831D+05 .776355306208D+05
5 249 253366.973 20794.728 6.67-JUN-1996 21.40-NOV-1995 17.00-NOV-1995
5 .194465928669D+03 .200000000000D+03 .205768093886D+03 .209397121857D+05 .207947280132D+05 .208021925010D+05
0
Z0= .080000 T0= 16605.00000 NVO= 3 NC1= 0 NC2=250 DESP= 200.000 RTOL=100000.000 NTR= 5 MAR= 0
1 7 92974.371 9323.304 19.71-DEC-1995 30.06-MAI-1995 27.90-MAI-1995
1 .194198902176D+03 .200000000000D+03 .205964688235D+03 .105425588742D+05 .932330430645D+04 .102410409954D+05
2 18 403207.251 11178.009 27.48-DEC-1995 4.25-JUN-1995 4.25-JUN-1995
2 .194297020117D+03 .200000000000D+03 .205861660501D+03 .111819798568D+05 .111780085689D+05 .112154033892D+05
3 47 84580.262 32659.634 16.97-JAN-1996 24.79-JUN-1995 22.24-JUN-1995
3 .194485296188D+03 .200000000000D+03 .205668595748D+03 .388179819750D+05 .326596336553D+05 .353508748832D+05
4 206 62366.317 80315.551 8.30-MAI-1996 24.18-OCT-1995 21.43-OCT-1995
4 .194224433282D+03 .200000000000D+03 .205945875674D+03 .967845629528D+05 .803155509692D+05 .885035088528D+05
5 248 232773.049 21722.784 6.97-JUN-1996 21.45-NOV-1995 17.32-NOV-1995
5 .194399302085D+03 .200000000000D+03 .205752499690D+03 .218677043646D+05 .217227844627D+05 .217858647470D+05
0
Z0= .080000 T0= 16606.00000 NVO= 3 NC1= 0 NC2=250 DESP= 200.000 RTOL=100000.000 NTR= 5 MAR= 0
1 5 67431.709 9537.382 19.25-DEC-1995 29.85-MAI-1995 27.53-MAI-1995
1 .194201300939D+03 .200000000000D+03 .205964150472D+03 .199089544233D+05 .953738183886D+04 .986948380385D+04
2 17 401113.141 10918.210 27.73-DEC-1995 4.59-JUN-1995 4.59-JUN-1995
2 .194304839420D+03 .200000000000D+03 .205852368421D+03 .109560193436D+05 .109182095497D+05 .109247308534D+05
3 46 96384.091 30848.791 17.23-JAN-1996 25.10-JUN-1995 22.64-JUN-1995
3 .194428519612D+03 .200000000000D+03 .205651299037D+03 .328301844655D+05 .308487907844D+05 .343425455428D+05
4 204 51255.386 83720.406 7.88-MAI-1996 23.95-OCT-1995 21.10-OCT-1995
4 .194260642285D+03 .200000000000D+03 .205906857926D+03 .132449703279D+06 .837204057066D+05 .927003426764D+05
5 247 223296.231 22758.259 7.27-JUN-1996 21.50-NOV-1995 17.49-NOV-1995
5 .194495773838D+03 .200000000000D+03 .205647120954D+03 .229257531582D+05 .227582593504D+05 .228260626277D+05
0
Z0= .080000 T0= 16607.00000 NVO= 3 NC1= 0 NC2=250 DESP= 200.000 RTOL=100000.000 NTR= 6 MAR= 0
1 4 80011.457 9638.283 19.50-DEC-1995 30.08-MAI-1995 27.84-MAI-1995

```

```
4 .1937971733200+03 .2000000000000+03 .2061955952640+03 .395028963025D+06 .486227503632D+05 .2097403601300+06
5 215 142978.857 88798.251 6.68-MAI-1996 23.10-OCT-1995 19.53-OCT-1995
5 .194132519105D+03 .2000000000000+03 .205917732325D+03 .895534485755D+05 .8879825123000+05 .900987551721D+05
6 219 47717.348 39392.206 9.50-MAI-1996 24.61-OCT-1995 22.21-OCT-1995
6 .194139953795D+03 .2000000000000+03 .205917014890D+03 .836510863320D+05 .393922056331D+05 .485894693669D+05
0
ZO= .080000 TO= 16598.00000 NVO= 3 NC1= 0 NC2=250 DESP= 200.000 RTOL=100000.000 NTR= 5 MAR= 0
1 2 346681.282 14698.641 9.51-DEC-1995 17.69-MAI-1995 17.68-MAI-1995
1 .194145559250D+03 .2000000000000+03 .205939726923D+03 .147195913087D+05 .146986405628D+05 .147305563065D+05
2 16 79279.939 8938.588 19.38-DEC-1995 29.22-MAI-1995 26.96-MAI-1995
2 .194334950176D+03 .2000000000000+03 .205895295242D+03 .136798812078D+05 .893858786106D+04 .980742383038D+04
3 57 90335.000 53223.586 17.28-JAN-1996 23.72-JUN-1995 21.07-JUN-1995
3 .194466563131D+03 .2000000000000+03 .205611804008D+03 .570630456808D+05 .532235858310D+05 .596103075556D+05
4 213 165521.628 94818.925 6.27-MAI-1996 22.54-OCT-1995 19.12-OCT-1995
4 .194212277229D+03 .2000000000000+03 .205832495058D+03 .961537479065D+05 .948189254779D+05 .948312052539D+05
5 217 30206.962 43539.503 9.09-MAI-1996 24.34-OCT-1995 21.79-OCT-1995
5 .194227784632D+03 .2000000000000+03 .205938586185D+03 .107154549994D+06 .435395029454D+05 .485419575842D+05
0
ZO= .080000 TO= 16599.00000 NVO= 3 NC1= 0 NC2=250 DESP= 200.000 RTOL=100000.000 NTR= 5 MAR= 0
1 2 348508.038 15284.719 10.46-DEC-1995 18.68-MAI-1995 18.65-MAI-1995
1 .194158400459D+03 .2000000000000+03 .205926865839D+03 .152883735138D+05 .152847187460D+05 .153260775485D+05
2 15 91680.854 8937.714 19.63-DEC-1995 29.48-MAI-1995 27.30-MAI-1995
2 .194265415909D+03 .2000000000000+03 .205893148133D+03 .105890927240D+05 .893771378542D+04 .100324242090D+05
3 55 72453.030 49687.239 16.84-JAN-1996 23.68-JUN-1995 20.93-JUN-1995
3 .194481968847D+03 .2000000000000+03 .205672967341D+03 .633006980336D+05 .496872389308D+05 .518484861264D+05
4 163 18631.881 63379.298 2.00-APR-1996 19.40-SEP-1995 14.54-SEP-1995
4 .193860674778D+03 .2000000000000+03 .206316092137D+03 .400587252897D+06 .633792975685D+05 .258924837129D+06
5 216 56094.155 49365.903 9.38-MAI-1996 24.58-OCT-1995 22.13-OCT-1995
5 .194343729971D+03 .2000000000000+03 .205942591617D+03 .677929759069D+05 .493659029358D+05 .573821217492D+05
0
ZO= .080000 TO= 16600.00000 NVO= 3 NC1= 0 NC2=250 DESP= 200.000 RTOL=100000.000 NTR= 4 MAR= 0
1 1 348690.587 15898.865 10.71-DEC-1995 18.99-MAI-1995 18.96-MAI-1995
1 .194138122787D+03 .2000000000000+03 .205948847777D+03 .159402124861D+05 .158988647990D+05 .159017630245D+05
2 13 68380.328 9084.935 19.18-DEC-1995 29.29-MAI-1995 26.97-MAI-1995
2 .194234899770D+03 .2000000000000+03 .205849958095D+03 .177197348712D+05 .908493523866D+04 .918540745207D+04
3 54 84050.738 46009.255 17.10-JAN-1996 24.00-JUN-1995 21.35-JUN-1995
3 .194471894920D+03 .2000000000000+03 .205607474775D+03 .532972450313D+05 .460092547456D+05 .507052444943D+05
4 214 44300.458 50488.021 8.97-MAI-1996 24.41-OCT-1995 21.83-OCT-1995
4 .194199468157D+03 .2000000000000+03 .205969294297D+03 .105541737380D+06 .504880207881D+05 .598979754720D+05
0
ZO= .080000 TO= 16601.00000 NVO= 3 NC1= 0 NC2=250 DESP= 200.000 RTOL=100000.000 NTR= 5 MAR= 0
1 1 349416.608 16536.476 11.66-DEC-1995 20.00-MAI-1995 19.93-MAI-1995
1 .194226334236D+03 .2000000000000+03 .206023921517D+03 .165733490441D+05 .165364757122D+05 .165427186686D+05
2 12 79764.578 8723.987 19.42-DEC-1995 29.54-MAI-1995 27.29-MAI-1995
2 .194233248697D+03 .2000000000000+03 .205927653787D+03 .134293001959D+05 .872398732596D+04 .952516622144D+04
3 53 97783.391 44189.799 17.36-JAN-1996 24.33-JUN-1995 21.76-JUN-1995
3 .194479850911D+03 .2000000000000+03 .205598784910D+03 .451404747758D+05 .441897986401D+05 .494757256682D+05
4 160 25969.480 91426.017 1.86-APR-1996 18.62-SEP-1995 13.37-SEP-1995
4 .193810289678D+03 .2000000000000+03 .206367984249D+03 .400736161845D+06 .914260167776D+05 .291028279552D+06
5 212 35736.532 56962.147 8.55-MAI-1996 24.21-OCT-1995 21.54-OCT-1995
5 .194192247727D+03 .2000000000000+03 .205979198033D+03 .121404480075D+06 .569621473233D+05 .622203978640D+05
0
ZO= .080000 TO= 16602.00000 NVO= 3 NC1= 0 NC2=250 DESP= 200.000 RTOL=100000.000 NTR= 4 MAR= 0
1 1 347361.372 17195.957 12.61-DEC-1995 21.05-MAI-1995 20.91-MAI-1995
1 .194183004718D+03 .2000000000000+03 .205984384448D+03 .172290756755D+05 .171959568897D+05 .172157050312D+05
```

```

6 221 170965.487 68974.098 6.90-MAI-1996 22.82-OCT-1995 19.42-OCT-1995
6 .1943501754100+03 .200000000000+03 .205924259082D+03 .699493326139D+05 .689740977846D+05 .691108960872D+05
7 225 20702.772 24766.223 9.71-MAI-1996 24.51-OCT-1995 22.07-OCT-1995
7 .194260081418D+03 .200000000000+03 .205794523592D+03 .879470704147D+05 .247662229355D+05 .311744557057D+05
0
Z0= .080000 T0= 16594.00000 NVO= 3 NC1= 0 NC2=250 DESP= 200.000 RTOL=100000.000 NTR= 6 MAR= 0
1 4 346073.808 12794.090 7.09-DEC-1995 15.11-MAI-1995 15.11-MAI-1995
1 .194175685860D+03 .200000000000+03 .205988517944D+03 .128465319833D+05 .127940903236D+05 .128191730118D+05
2 21 68278.271 10513.741 19.06-DEC-1995 28.61-MAI-1995 26.25-MAI-1995
2 .194388448233D+03 .200000000000+03 .205837386027D+03 .184873530673D+05 .105137414577D+05 .105973256777D+05
3 62 69160.316 67237.745 16.93-JAN-1996 22.80-JUN-1995 19.95-JUN-1995
3 .194461614809D+03 .200000000000+03 .205697762692D+03 .877443728595D+05 .672377446573D+05 .725668111994D+05
4 171 7145.006 95851.746 2.69-APR-1996 20.92-SEP-1995 13.98-SEP-1995
4 .193952333031D+03 .200000000000+03 .206220727738D+03 .381911874032D+06 .958517457889D+05 .189005161528D+06
5 220 139160.100 73401.805 7.20-MAI-1996 23.04-OCT-1995 19.80-OCT-1995
5 .194342046610D+03 .200000000000+03 .205938907322D+03 .738099460960D+05 .734018047450D+05 .751514033608D+05
6 224 48164.186 30251.430 10.01-MAI-1996 24.75-OCT-1995 22.46-OCT-1995
6 .194241200732D+03 .200000000000+03 .205924224837D+03 .718085308521D+05 .302514300812D+05 .389368810425D+05
0
Z0= .080000 T0= 16595.00000 NVO= 3 NC1= 0 NC2=250 DESP= 200.000 RTOL=100000.000 NTR= 5 MAR= 0
1 3 345276.569 13211.030 7.34-DEC-1995 15.41-MAI-1995 15.41-MAI-1995
1 .194257215914D+03 .200000000000+03 .205987842549D+03 .132850837091D+05 .132110299561D+05 .132116794459D+05
2 20 78825.905 9678.018 19.32-DEC-1995 28.87-MAI-1995 26.60-MAI-1995
2 .194318930013D+03 .200000000000+03 .205838532849D+03 .145686633163D+05 .967801789015D+04 .106771225987D+05
3 61 82929.923 63663.945 17.20-JAN-1996 23.10-JUN-1995 20.37-JUN-1995
3 .194476732251D+03 .200000000000+03 .205682551567D+03 .725704114585D+05 .636639453034D+05 .713753466330D+05
4 218 158877.834 78272.056 6.79-MAI-1996 22.93-OCT-1995 19.45-OCT-1995
4 .194246676805D+03 .200000000000+03 .205918349019D+03 .792290127171D+05 .782720561167D+05 .787655811686D+05
5 222 31880.349 28448.293 9.61-MAI-1996 24.54-OCT-1995 22.15-OCT-1995
5 .194261009920D+03 .200000000000+03 .205904229856D+03 .988124443408D+05 .284482932910D+05 .393769070929D+05
0
Z0= .080000 T0= 16596.00000 NVO= 3 NC1= 0 NC2=250 DESP= 200.000 RTOL=100000.000 NTR= 7 MAR= 0
1 3 345095.960 13657.059 8.30-DEC-1995 16.39-MAI-1995 16.39-MAI-1995
1 .194222517522D+03 .200000000000+03 .206023843499D+03 .136818361892D+05 .136570591150D+05 .136979014660D+05
2 19 90854.277 9502.306 19.57-DEC-1995 29.14-MAI-1995 26.94-MAI-1995
2 .194349944422D+03 .200000000000+03 .205878389508D+03 .112731838274D+05 .950230648935D+04 .107754331117D+05
3 59 66017.675 61415.682 16.76-JAN-1996 23.02-JUN-1995 20.23-JUN-1995
3 .194447211649D+03 .200000000000+03 .205630501154D+03 .803245607332D+05 .614156824731D+05 .620667696947D+05
4 99 20538.057 92357.134 13.94-FEB-1996 16.12-JUL-1995 11.40-JUL-1995
4 .194112956367D+03 .200000000000+03 .206089458710D+03 .360345512493D+06 .923571342982D+05 .270354413744D+06
5 168 21610.637 77381.128 2.56-APR-1996 20.46-SEP-1995 15.86-SEP-1995
5 .194037738428D+03 .200000000000+03 .206307944306D+03 .397262499609D+06 .773811276186D+05 .242841471545D+06
6 217 128286.548 83452.761 7.09-MAI-1996 23.12-OCT-1995 19.81-OCT-1995
6 .194184791624D+03 .200000000000+03 .205866257042D+03 .836855287549D+05 .834527609458D+05 .859398043527D+05
7 221 58597.879 39241.474 9.91-MAI-1996 24.77-OCT-1995 22.45-OCT-1995
7 .194309833641D+03 .200000000000+03 .205969449688D+03 .447027461895D+05 .392414736916D+05 .462699329285D+05
0
Z0= .080000 T0= 16597.00000 NVO= 3 NC1= 0 NC2=250 DESP= 200.000 RTOL=100000.000 NTR= 6 MAR= 0
1 2 345102.815 14158.523 8.55-DEC-1995 16.70-MAI-1995 16.70-MAI-1995
1 .194118616329D+03 .200000000000+03 .205968611801D+03 .142112701280D+05 .141585227627D+05 .141692548753D+05
2 17 68463.263 9527.022 19.12-DEC-1995 28.97-MAI-1995 26.63-MAI-1995
2 .194246045293D+03 .200000000000+03 .205839605181D+03 .177310504469D+05 .952702168345D+04 .960684698568D+04
3 58 76765.439 55742.963 17.02-JAN-1996 23.38-JUN-1995 20.66-JUN-1995
3 .194514510133D+03 .200000000000+03 .205642783146D+03 .685002418940D+05 .557429626621D+05 .608896704643D+05
4 166 7511.914 48622.750 2.14-APR-1996 20.07-SEP-1995 14.24-SEP-1995

```

```

3 .194504211956D+03 .200000000000D+03 .205750253066D+03 .120024634011D+06 .881613689429D+05 .993870155778D+05
4 227 174486.395 53352.265 7.11-MAI-1996 23.33-OCT-1995 19.55-OCT-1995
4 .194302121678D+03 .200000000000D+03 .205972995337D+03 .540698355810D+05 .533522648227D+05 .535976875837D+05
5 231 14483.210 10144.505 9.93-MAI-1996 24.57-OCT-1995 22.16-OCT-1995
5 .194202378821D+03 .200000000000D+03 .205863913763D+03 .749016790362D+05 .101445050881D+05 .221056742533D+05
0
Z0= .080000 T0= 16590.00000 NVO= 3 NC1= 0 NC2=250 DESP= 200.000 RTOL=100000.000 NTR= 6 MAR= 0
1 7 354635.907 11580.597 5.36-DEC-1995 13.19-MAI-1995 13.19-MAI-1995
1 .194202755964D+03 .200000000000D+03 .205960101097D+03 .116395848433D+05 .115805970706D+05 .116071329594D+05
2 27 87944.030 12301.923 19.43-DEC-1995 28.37-MAI-1995 26.12-MAI-1995
2 .194436695217D+03 .200000000000D+03 .205787473435D+03 .146146563509D+05 .123019233954D+05 .141121724079D+05
3 68 81960.872 86132.438 17.27-JAN-1996 22.38-JUN-1995 19.32-JUN-1995
3 .194427484813D+03 .200000000000D+03 .205648935472D+03 .955075306721D+05 .861324384516D+05 .984612586491D+05
4 107 25050.425 90161.048 13.70-FEB-1996 13.60-JUL-1995 8.45-JUL-1995
4 .193846228421D+03 .200000000000D+03 .206221686759D+03 .362459616114D+06 .901610476275D+05 .177181795080D+06
5 226 153959.226 56803.014 7.41-MAI-1996 23.19-OCT-1995 19.79-OCT-1995
5 .194349866035D+03 .200000000000D+03 .205921703175D+03 .572724830337D+05 .568030141568D+05 .577910815663D+05
6 230 31676.366 14918.645 10.22-MAI-1996 24.71-OCT-1995 22.46-OCT-1995
6 .194259580430D+03 .200000000000D+03 .205902650209D+03 .108109035232D+06 .149186449284D+05 .271100043028D+05
0
Z0= .080000 T0= 16591.00000 NVO= 3 NC1= 0 NC2=250 DESP= 200.000 RTOL=100000.000 NTR= 5 MAR= 0
1 6 352737.929 11828.845 5.62-DEC-1995 13.51-MAI-1995 13.51-MAI-1995
1 .194214315530D+03 .200000000000D+03 .205950251074D+03 .119058951406D+05 .118288447824D+05 .118369105732D+05
2 25 67662.146 12083.945 18.99-DEC-1995 28.23-MAI-1995 25.84-MAI-1995
2 .194368284183D+03 .200000000000D+03 .205784817261D+03 .202722594371D+05 .120839448237D+05 .121632842063D+05
3 66 61075.550 80777.035 16.84-JAN-1996 22.22-JUN-1995 19.21-JUN-1995
3 .194462633683D+03 .200000000000D+03 .205700408583D+03 .111632758600D+06 .807770353719D+05 .855472119008D+05
4 224 173063.814 60668.512 7.00-MAI-1996 23.31-OCT-1995 19.49-OCT-1995
4 .194256067235D+03 .200000000000D+03 .205911439506D+03 .615277153221D+05 .606685118744D+05 .608452318142D+05
5 228 16667.513 18880.434 9.82-MAI-1996 24.54-OCT-1995 22.10-OCT-1995
5 .194268084296D+03 .200000000000D+03 .205898546472D+03 .806332373838D+05 .188804339168D+05 .260713581759D+05
0
Z0= .080000 T0= 16592.00000 NVO= 3 NC1= 0 NC2=250 DESP= 200.000 RTOL=100000.000 NTR= 5 MAR= 0
1 6 348182.504 12109.906 6.58-DEC-1995 14.49-MAI-1995 14.49-MAI-1995
1 .194231206616D+03 .200000000000D+03 .205931943538D+03 .121207505056D+05 .121099061705D+05 .121791094520D+05
2 24 77884.675 10969.661 19.25-DEC-1995 28.50-MAI-1995 26.20-MAI-1995
2 .194377307911D+03 .200000000000D+03 .205847490079D+03 .161652650883D+05 .109696612196D+05 .121473187428D+05
3 65 74909.985 75376.737 17.10-JAN-1996 22.49-JUN-1995 19.64-JUN-1995
3 .194488667737D+03 .200000000000D+03 .205673642506D+03 .929654262850D+05 .753767370182D+05 .847233250909D+05
4 223 147042.211 64570.755 7.30-MAI-1996 23.23-OCT-1995 19.80-OCT-1995
4 .194181536845D+03 .200000000000D+03 .205874336597D+03 .650586307593D+05 .645707551061D+05 .658372627959D+05
5 227 38747.865 21954.243 10.12-MAI-1996 24.73-OCT-1995 22.46-OCT-1995
5 .194304311712D+03 .200000000000D+03 .205860013753D+03 .104247978709D+06 .219542434501D+05 .324731077087D+05
0
Z0= .080000 T0= 16593.00000 NVO= 3 NC1= 0 NC2=250 DESP= 200.000 RTOL=100000.000 NTR= 7 MAR= 0
1 5 347037.872 12428.092 6.83-DEC-1995 14.80-MAI-1995 14.80-MAI-1995
1 .194173929686D+03 .200000000000D+03 .205912901897D+03 .124591334632D+05 .124280917254D+05 .124757481656D+05
2 23 89866.751 10625.003 19.51-DEC-1995 28.77-MAI-1995 26.55-MAI-1995
2 .194324747804D+03 .200000000000D+03 .205759447876D+03 .125825205526D+05 .106250025077D+05 .121317165871D+05
3 64 90488.098 73605.318 17.37-JAN-1996 23.00-JUN-1995 20.06-JUN-1995
3 .194440878253D+03 .200000000000D+03 .205636977060D+03 .761326273564D+05 .736053179153D+05 .833302425546D+05
4 103 23722.743 79895.419 13.83-FEB-1996 15.07-JUL-1995 10.51-JUL-1995
4 .193914000969D+03 .200000000000D+03 .206153893968D+03 .366525638794D+06 .798954188450D+05 .313184872533D+06
5 173 17591.206 91487.167 3.11-APR-1996 21.25-SEP-1995 16.59-SEP-1995
5 .194118103238D+03 .200000000000D+03 .206222045410D+03 .384100308474D+06 .914871672931D+05 .207849317477D+06

```



```

3 235 158689.635 38849.153 7.74-MAI-1996 23.30-OCT-1995 19.87-OCT-1995
3 .194254016721D+03 .200000000000D+03 .205912968966D+03 .390151813822D+05 .388491525671D+05 .398154764887D+05
4 239 27079.847 6192.697 10.55-MAI-1996 24.69-OCT-1995 22.50-OCT-1995
4 .194263621258D+03 .200000000000D+03 .205902572420D+03 .973305312094D+05 .619269748456D+04 .169767374510D+05
0
Z0= .080000 T0= 16585.00000 NVO= 3 NC1= 0 NC2=250 DESP= 200.000 RTOL=100000.000 NTR= 4 MAR= 0
1 11 371689.888 10916.205 3.38-DEC-1995 10.91-MAI-1995 10.91-MAI-1995
1 .194214587200D+03 .200000000000D+03 .205871524205D+03 .109718761777D+05 .109162052473D+05 .109412916898D+05
2 34 93038.003 16982.847 19.53-DEC-1995 27.77-MAI-1995 25.50-MAI-1995
2 .194461849372D+03 .200000000000D+03 .205690590223D+03 .177826883123D+05 .169828469526D+05 .196672145118D+05
3 233 187392.672 41396.049 7.34-MAI-1996 23.19-OCT-1995 19.46-OCT-1995
3 .194324485546D+03 .200000000000D+03 .205938794317D+03 .419532291117D+05 .413960488833D+05 .415000528700D+05
4 238 43554.096 12751.982 10.85-MAI-1996 24.84-OCT-1995 22.73-OCT-1995
4 .194346491640D+03 .200000000000D+03 .205813835116D+03 .369921993933D+06 .127519818723D+05 .197294348249D+05
0
Z0= .080000 T0= 16586.00000 NVO= 3 NC1= 0 NC2=250 DESP= 200.000 RTOL=100000.000 NTR= 4 MAR= 0
1 10 369047.001 10982.836 3.63-DEC-1995 11.24-MAI-1995 11.24-MAI-1995
1 .194302127694D+03 .200000000000D+03 .205933422946D+03 .110558145836D+05 .109828364675D+05 .109914799607D+05
2 32 72416.239 15423.423 19.09-DEC-1995 27.65-MAI-1995 25.27-MAI-1995
2 .194400298899D+03 .200000000000D+03 .205753390880D+03 .228673282442D+05 .154234232898D+05 .168279964752D+05
3 232 160911.906 44014.490 7.63-MAI-1996 23.29-OCT-1995 19.81-OCT-1995
3 .194243229853D+03 .200000000000D+03 .205921715675D+03 .443380041507D+05 .440144895227D+05 .448363484124D+05
4 236 23341.584 5999.758 10.44-MAI-1996 24.68-OCT-1995 22.44-OCT-1995
4 .194357095552D+03 .200000000000D+03 .205903175366D+03 .901105483857D+05 .599975772808D+04 .191486905761D+05
0
Z0= .080000 T0= 16587.00000 NVO= 3 NC1= 0 NC2=250 DESP= 200.000 RTOL=100000.000 NTR= 5 MAR= 0
1 10 361174.281 11080.440 4.59-DEC-1995 12.23-MAI-1995 12.23-MAI-1995
1 .194300803547D+03 .200000000000D+03 .205935574290D+03 .110880286166D+05 .110804395112D+05 .111572356754D+05
2 31 84528.765 14550.664 19.35-DEC-1995 27.94-MAI-1995 25.64-MAI-1995
2 .194461537219D+03 .200000000000D+03 .205759748693D+03 .177671484510D+05 .145506638388D+05 .166948379479D+05
3 72 72711.200 99156.058 17.17-JAN-1996 21.74-JUN-1995 18.55-JUN-1995
3 .194483398857D+03 .200000000000D+03 .205776305386D+03 .123088694095D+06 .991560577610D+05 .114988795837D+06
4 230 184561.496 47001.952 7.22-MAI-1996 23.18-OCT-1995 19.46-OCT-1995
4 .194248465553D+03 .200000000000D+03 .205915564918D+03 .476884233680D+05 .470019518160D+05 .470609893044D+05
5 235 46011.005 15821.256 10.74-MAI-1996 24.87-OCT-1995 22.74-OCT-1995
5 .194273476587D+03 .200000000000D+03 .205790794073D+03 .247888619223D+06 .158212558133D+05 .229817773491D+05
0
Z0= .080000 T0= 16588.00000 NVO= 3 NC1= 0 NC2=250 DESP= 200.000 RTOL=100000.000 NTR= 5 MAR= 0
1 9 358854.459 11207.920 4.85-DEC-1995 12.56-MAI-1995 12.56-MAI-1995
1 .194216197137D+03 .200000000000D+03 .205870008389D+03 .112322763332D+05 .112079200613D+05 .112681020705D+05
2 30 97987.656 14289.679 19.61-DEC-1995 28.23-MAI-1995 26.01-MAI-1995
2 .194384636520D+03 .200000000000D+03 .205698948088D+03 .144102055360D+05 .142896794478D+05 .164986065983D+05
3 70 52770.814 97338.491 16.74-JAN-1996 21.66-JUN-1995 18.45-JUN-1995
3 .194495606366D+03 .200000000000D+03 .205759277900D+03 .139813350866D+06 .973384911409D+05 .994368980151D+05
4 229 157571.181 49982.224 7.52-MAI-1996 23.27-OCT-1995 19.81-OCT-1995
4 .194236804836D+03 .200000000000D+03 .205823986654D+03 .503879810586D+05 .499822241110D+05 .508515827621D+05
5 233 27049.528 9530.289 10.33-MAI-1996 24.70-OCT-1995 22.46-OCT-1995
5 .194253846823D+03 .200000000000D+03 .205909130177D+03 .100597932673D+06 .953028896621D+04 .227630995116D+05
0
Z0= .080000 T0= 16589.00000 NVO= 3 NC1= 0 NC2=250 DESP= 200.000 RTOL=100000.000 NTR= 5 MAR= 0
1 8 356697.128 11374.201 5.11-DEC-1995 12.88-MAI-1995 12.88-MAI-1995
1 .194283579258D+03 .200000000000D+03 .205954845600D+03 .114154356628D+05 .113742006062D+05 .114178875238D+05
2 28 75922.908 12850.450 19.17-DEC-1995 28.09-MAI-1995 25.75-MAI-1995
2 .194439930575D+03 .200000000000D+03 .205783113516D+03 .187834088539D+05 .128504501164D+05 .141972246699D+05
3 69 65816.693 88161.369 17.00-JAN-1996 21.92-JUN-1995 18.89-JUN-1995

```

```

3 .194536161639D+03 .200000000000D+03 .205685039973D+03 .300124441907D+05 .246109381780D+05 .283993395625D+05
4 198 28935.024 77070.756 6.79-APR-1996 23.98-SEP-1995 20.78-SEP-1995
4 .194147223514D+03 .200000000000D+03 .206022623962D+03 .231469378940D+06 .770707564252D+05 .105266149750D+06
5 242 190960.095 28916.766 7.66-MAI-1996 23.12-OCT-1995 19.41-OCT-1995
5 .194404746808D+03 .200000000000D+03 .205845222321D+03 .291002879907D+05 .289167661777D+05 .292298134589D+05
6 247 41736.907 8296.106 11.17-MAI-1996 24.69-OCT-1995 22.61-OCT-1995
6 .194345944365D+03 .200000000000D+03 .205810311788D+03 .990941793404D+05 .829610622602D+04 .132439882955D+05
0
Z0= .080000 T0= 16580.00000 NVO= 3 NC1= 0 NC2=250 DESP= 200.000 RTOL=100000.000 NTR= 5 MAR= 0
1 15 390831.729 11180.487 1.37-DEC-1995 8.56-MAI-1995 8.56-MAI-1995
1 .194298515674D+03 .200000000000D+03 .205859639766D+03 .112064191849D+05 .111804874584D+05 .112215904897D+05
2 40 62007.302 23949.660 18.91-DEC-1995 26.68-MAI-1995 24.15-MAI-1995
2 .194467621264D+03 .200000000000D+03 .205683372217D+03 .362354362272D+05 .239496600477D+05 .241028989037D+05
3 196 21778.583 95793.772 6.38-APR-1996 23.72-SEP-1995 20.34-SEP-1995
3 .194160376729D+03 .200000000000D+03 .206010084367D+03 .233674499907D+06 .957937724632D+05 .106408870419D+06
4 241 166660.819 30627.249 7.96-MAI-1996 23.23-OCT-1995 19.76-OCT-1995
4 .194315025152D+03 .200000000000D+03 .205844242061D+03 .306580786976D+05 .306272486615D+05 .314151588321D+05
5 245 20276.884 6242.263 10.77-MAI-1996 24.54-OCT-1995 22.28-OCT-1995
5 .194337787499D+03 .200000000000D+03 .205732160071D+03 .564664743328D+05 .624226295598D+04 .120930242136D+05
0
Z0= .080000 T0= 16581.00000 NVO= 3 NC1= 0 NC2=250 DESP= 200.000 RTOL=100000.000 NTR= 4 MAR= 0
1 14 388235.019 11049.658 1.63-DEC-1995 8.91-MAI-1995 8.91-MAI-1995
1 .194327530413D+03 .200000000000D+03 .205831311072D+03 .110983219004D+05 .110496577657D+05 .110696981363D+05
2 39 73025.821 21244.560 19.18-DEC-1995 26.98-MAI-1995 24.55-MAI-1995
2 .194429356768D+03 .200000000000D+03 .205651682105D+03 .293635793377D+05 .212445597669D+05 .238615936759D+05
3 239 188612.944 32397.392 7.56-MAI-1996 23.17-OCT-1995 19.46-OCT-1995
3 .194345461359D+03 .200000000000D+03 .205910931420D+03 .326902651689D+05 .323973921844D+05 .326690756553D+05
4 244 43503.950 9547.225 11.07-MAI-1996 24.77-OCT-1995 22.69-OCT-1995
4 .194367083022D+03 .200000000000D+03 .205881403127D+03 .196021302305D+06 .954722510916D+04 .150786265739D+05
0
Z0= .080000 T0= 16582.00000 NVO= 3 NC1= 0 NC2=250 DESP= 200.000 RTOL=100000.000 NTR= 4 MAR= 0
1 13 385587.686 10964.455 1.89-DEC-1995 9.25-MAI-1995 9.25-MAI-1995
1 .194281886615D+03 .200000000000D+03 .205877669153D+03 .110354073330D+05 .109644550841D+05 .109647139149D+05
2 38 86503.439 20352.187 19.45-DEC-1995 27.28-MAI-1995 24.94-MAI-1995
2 .194459151519D+03 .200000000000D+03 .205692355779D+03 .227727466381D+05 .203521867681D+05 .235786242499D+05
3 238 159342.726 34416.487 7.85-MAI-1996 23.29-OCT-1995 19.87-OCT-1995
3 .194259863799D+03 .200000000000D+03 .205906934310D+03 .344744020571D+05 .344164865629D+05 .354033376750D+05
4 242 26827.085 5997.585 10.66-MAI-1996 24.66-OCT-1995 22.47-OCT-1995
4 .194269252859D+03 .200000000000D+03 .205895899126D+03 .839452791030D+05 .599758513290D+04 .147253416203D+05
0
Z0= .080000 T0= 16583.00000 NVO= 3 NC1= 0 NC2=250 DESP= 200.000 RTOL=100000.000 NTR= 4 MAR= 0
1 13 377146.163 10905.285 2.86-DEC-1995 10.24-MAI-1995 10.24-MAI-1995
1 .194263809686D+03 .200000000000D+03 .205822061527D+03 .109240856687D+05 .109052852538D+05 .109634612589D+05
2 36 67468.087 18956.648 19.01-DEC-1995 27.18-MAI-1995 24.73-MAI-1995
2 .194432787813D+03 .200000000000D+03 .205718487995D+03 .286748685735D+05 .189566483091D+05 .200770308377D+05
3 236 191415.445 36553.388 7.45-MAI-1996 23.18-OCT-1995 19.43-OCT-1995
3 .194387136624D+03 .200000000000D+03 .205869475896D+03 .369982435634D+05 .365533880542D+05 .366749542039D+05
4 241 39084.938 9771.163 10.96-MAI-1996 24.78-OCT-1995 22.66-OCT-1995
4 .194321653308D+03 .200000000000D+03 .205743096763D+03 .244213837521D+06 .977116251893D+04 .168042957664D+05
0
Z0= .080000 T0= 16584.00000 NVO= 3 NC1= 0 NC2=250 DESP= 200.000 RTOL=100000.000 NTR= 4 MAR= 0
1 12 374425.695 10889.775 3.12-DEC-1995 10.58-MAI-1995 10.58-MAI-1995
1 .194271275613D+03 .200000000000D+03 .205887687413D+03 .109272992044D+05 .108897753860D+05 .109311944702D+05
2 35 79322.418 17450.008 19.27-DEC-1995 27.48-MAI-1995 25.12-MAI-1995
2 .194444027333D+03 .200000000000D+03 .205709130772D+03 .225354022326D+05 .174500076155D+05 .199010693624D+05

```



```

2 17 412756.404 12305.834 27.94-NOV-1995 4.87-MAI-1995 4.87-MAI-1995
2 .1942711723660+03 .2000000000000+03 .2058161865310+03 .1232244595700+05 .1230583403440+05 .1232129212340+05
3 47 58921.363 33326.468 18.96-DEC-1995 25.92-MAI-1995 23.31-MAI-1995
3 .1945119471170+03 .2000000000000+03 .2056418271060+03 .5019610900970+05 .3332646796100+05 .3434462850960+05
4 205 28909.079 53423.273 7.72-APR-1996 24.40-SEP-1995 21.53-SEP-1995
4 .1942194938730+03 .2000000000000+03 .2059503009720+03 .2046531265060+06 .5342327293120+05 .8137225478270+05
5 247 233596.150 23584.510 7.16-MAI-1996 22.91-OCT-1995 18.71-OCT-1995
5 .1943714095080+03 .2000000000000+03 .2057850194520+03 .2374663097910+05 .2358450962570+05 .2364158879920+05
0
Z0= .080000 T0= 16576.00000 NVO= 3 NC1= 0 NC2=250 DESP= 200.000 RTOL=100000.000 NTR= 5 MAR= 0
1 5 68573.687 8798.784 20.49-NOV-1995 30.20-APR-1995 27.96-APR-1995
1 .1942715811860+03 .2000000000000+03 .2059674955580+03 .1644507032260+05 .8798783857990+04 .1050883137800+05
2 17 408377.023 12040.773 28.90-NOV-1995 5.87-MAI-1995 5.87-MAI-1995
2 .1943611661240+03 .2000000000000+03 .2058668769380+03 .1205967742410+05 .1204077305260+05 .1206589095880+05
3 46 71132.615 29931.125 19.24-DEC-1995 26.24-MAI-1995 23.73-MAI-1995
3 .1945299599350+03 .2000000000000+03 .2056224408880+03 .4041265837880+05 .2993112522080+05 .3413578074300+05
4 203 19637.991 65063.262 7.31-APR-1996 24.20-SEP-1995 21.11-SEP-1995
4 .1941219398870+03 .2000000000000+03 .2059115814420+03 .1955991604930+06 .6506326237230+05 .8136573228160+05
5 246 214919.758 24735.612 7.46-MAI-1996 22.98-OCT-1995 19.01-OCT-1995
5 .1944132344000+03 .2000000000000+03 .2058285560990+03 .2487891634150+05 .2473561185910+05 .2489072367540+05
0
Z0= .080000 T0= 16577.00000 NVO= 3 NC1= 0 NC2=250 DESP= 200.000 RTOL=100000.000 NTR= 5 MAR= 0
1 4 84268.242 9732.711 20.75-NOV-1995 30.45-APR-1995 28.28-APR-1995
1 .1942306541950+03 .2000000000000+03 .2059323058860+03 .9770036807020+04 .9732711290220+04 .1128401196240+05
2 17 402688.191 11790.710 29.87-NOV-1995 6.88-MAI-1995 6.88-MAI-1995
2 .1943293639160+03 .2000000000000+03 .2058274151170+03 .1179547763910+05 .1179070950450+05 .1183997832900+05
3 45 85851.025 29003.788 19.51-DEC-1995 26.55-MAI-1995 24.13-MAI-1995
3 .1944975894770+03 .2000000000000+03 .2056546470420+03 .3116901884570+05 .2900378804930+05 .3371943741180+05
4 202 48149.156 79825.216 7.60-APR-1996 24.42-SEP-1995 21.43-SEP-1995
4 .1942014510320+03 .2000000000000+03 .2059687810040+03 .1449229476150+06 .7982521601810+05 .9946661011550+05
5 245 194981.241 26011.282 7.76-MAI-1996 23.06-OCT-1995 19.31-OCT-1995
5 .1943878986590+03 .2000000000000+03 .2057648751330+03 .2610508318540+05 .2601128206480+05 .2634062773700+05
0
Z0= .080000 T0= 16578.00000 NVO= 3 NC1= 0 NC2=250 DESP= 200.000 RTOL=100000.000 NTR= 7 MAR= 0
1 2 57622.456 9022.135 20.32-NOV-1995 30.24-APR-1995 27.92-APR-1995
1 .1942012982340+03 .2000000000000+03 .2059633761620+03 .3004415545590+05 .9022134648230+04 .1075811625590+05
2 16 400518.122 11554.143 30.14-NOV-1995 7.22-MAI-1995 7.22-MAI-1995
2 .1943078083570+03 .2000000000000+03 .2057783793540+03 .1158753033220+05 .1155414263080+05 .1157709257710+05
3 43 66229.570 26313.877 19.08-DEC-1995 26.47-MAI-1995 23.95-MAI-1995
3 .1944784861360+03 .2000000000000+03 .2056038892760+03 .3854183918060+05 .2631387734780+05 .2870244945660+05
4 151 28182.350 96494.910 3.83-MAR-1996 15.05-AUG-1995 8.71-AUG-1995
4 .1936586471070+03 .2000000000000+03 .2065313895650+03 .3859473187160+06 .9649490990310+05 .3468308331830+06
5 200 37855.089 76814.453 7.20-APR-1996 24.16-SEP-1995 21.12-SEP-1995
5 .1941704547170+03 .2000000000000+03 .2059988643280+03 .2192958261550+06 .7681445297630+05 .1028465318620+06
6 243 216537.367 27431.318 7.36-MAI-1996 23.04-OCT-1995 19.03-OCT-1995
6 .1943485713450+03 .2000000000000+03 .2058064862920+03 .2770556376000+05 .2743131826340+05 .2747093300160+05
7 249 60692.240 10393.027 11.57-MAI-1996 24.82-OCT-1995 22.84-OCT-1995
7 .1943953975800+03 .2000000000000+03 .2057558919680+03 .1257294429800+05 .1039302659570+05 .1350001383770+05
0
Z0= .080000 T0= 16579.00000 NVO= 3 NC1= 0 NC2=250 DESP= 200.000 RTOL=100000.000 NTR= 6 MAR= 0
1 1 73027.699 9934.433 20.58-NOV-1995 30.47-APR-1995 28.24-APR-1995
1 .1942640467200+03 .2000000000000+03 .2059818312120+03 .1346565797420+05 .9934433110080+04 .1174970185420+05
2 16 393378.718 11356.722 1.10-DEC-1995 8.22-MAI-1995 8.22-MAI-1995
2 .1942986639250+03 .2000000000000+03 .2058598179970+03 .1135876314730+05 .1135672211510+05 .1141974085460+05
3 42 79211.901 24610.938 19.34-DEC-1995 26.77-MAI-1995 24.35-MAI-1995

```

```

Z0= .080000 T0= 16570.00000 NVO= 3 NC1= 0 NC2=250 DESP= 200.000 RTOL=100000.000 NTR= 5 MAR= 0
 1 1 345751.434 16638.694 11.89-NOV-1995 19.47-APR-1995 19.43-APR-1995
 1 .194252188770D+03 .200000000000D+03 .205911485384D+03 .166522526955D+05 .166386942943D+05 .166720655793D+05
 2 13 59778.564 8150.404 20.29-NOV-1995 29.58-APR-1995 27.29-APR-1995
 2 .194332586594D+03 .200000000000D+03 .205824651726D+03 .218956923907D+05 .815040414144D+04 .953171827710D+04
 3 54 52514.588 46768.863 19.01-DEC-1995 25.09-MAI-1995 22.35-MAI-1995
 3 .194533900963D+03 .200000000000D+03 .205619698484D+03 .719052081632D+05 .467688633633D+05 .476939118381D+05
 4 162 29456.855 96343.612 3.64-MAR-1996 20.45-AUG-1995 15.38-AUG-1995
 4 .193893398853D+03 .200000000000D+03 .206463156013D+03 .405945396048D+06 .963436120346D+05 .284406081195D+06
 5 214 49255.988 48171.088 9.06-APR-1996 25.04-SEP-1995 22.45-SEP-1995
 5 .194253145287D+03 .200000000000D+03 .205916536582D+03 .793345639816D+05 .481710883801D+05 .618234695145D+05
 0
Z0= .080000 T0= 16571.00000 NVO= 3 NC1= 0 NC2=250 DESP= 200.000 RTOL=100000.000 NTR= 5 MAR= 0
 1 1 344716.987 17299.214 12.86-NOV-1995 20.48-APR-1995 20.41-APR-1995
 1 .194170092459D+03 .200000000000D+03 .205914784887D+03 .173042199417D+05 .172992139337D+05 .173401847457D+05
 2 12 74581.577 8391.557 20.56-NOV-1995 29.84-APR-1995 27.63-APR-1995
 2 .194249992504D+03 .200000000000D+03 .205834497549D+03 .126767851537D+05 .839155661730D+04 .101133957883D+05
 3 53 65581.651 41507.117 19.28-DEC-1995 25.42-MAI-1995 22.79-MAI-1995
 3 .194534395488D+03 .200000000000D+03 .205694593003D+03 .587703236407D+05 .415071166553D+05 .478097121543D+05
 4 160 9943.251 83086.183 3.23-MAR-1996 19.97-AUG-1995 13.40-AUG-1995
 4 .193865106441D+03 .200000000000D+03 .206316161349D+03 .403461884606D+06 .830861828688D+05 .223257468601D+06
 5 212 37267.465 43503.250 8.65-APR-1996 24.85-SEP-1995 22.20-SEP-1995
 5 .194111678665D+03 .200000000000D+03 .205935125589D+03 .220552111480D+06 .435032499170D+05 .640874528984D+05
 0
Z0= .080000 T0= 16572.00000 NVO= 3 NC1= 0 NC2=250 DESP= 200.000 RTOL=100000.000 NTR= 3 MAR= 0
 1 10 50532.358 8647.077 20.13-NOV-1995 29.67-APR-1995 27.31-APR-1995
 1 .194236230415D+03 .200000000000D+03 .205850135762D+03 .291851848473D+05 .864707724551D+04 .906513098344D+04
 2 52 81693.252 40625.331 19.55-DEC-1995 25.75-MAI-1995 23.20-MAI-1995
 2 .194463933431D+03 .200000000000D+03 .205616885891D+03 .440915489758D+05 .406253306512D+05 .475024497630D+05
 3 210 22627.397 34286.939 8.24-APR-1996 24.63-SEP-1995 21.89-SEP-1995
 3 .194252640261D+03 .200000000000D+03 .206045723113D+03 .179174867963D+06 .342869389966D+05 .642328252783D+05
 0
Z0= .080000 T0= 16573.00000 NVO= 3 NC1= 0 NC2=250 DESP= 200.000 RTOL=100000.000 NTR= 3 MAR= 0
 1 9 64400.945 8207.928 20.40-NOV-1995 29.91-APR-1995 27.65-APR-1995
 1 .194244166716D+03 .200000000000D+03 .205840902453D+03 .193503804935D+05 .820792756826D+04 .978199322336D+04
 2 50 61940.333 36744.828 19.12-DEC-1995 25.68-MAI-1995 23.06-MAI-1995
 2 .194479315455D+03 .200000000000D+03 .205601256063D+03 .547453328387D+05 .367448284122D+05 .405953811730D+05
 3 209 52184.071 62267.212 8.54-APR-1996 24.86-SEP-1995 22.11-SEP-1995
 3 .194160760946D+03 .200000000000D+03 .205880052343D+03 .749706721876D+05 .622672119168D+05 .767933410691D+05
 0
Z0= .080000 T0= 16574.00000 NVO= 3 NC1= 0 NC2=250 DESP= 200.000 RTOL=100000.000 NTR= 5 MAR= 0
 1 8 79553.515 8829.628 20.66-NOV-1995 30.16-APR-1995 27.97-APR-1995
 1 .194235586807D+03 .200000000000D+03 .205850300338D+03 .107730298325D+05 .882962791311D+04 .104498059358D+05
 2 49 76341.677 34722.654 19.40-DEC-1995 26.00-MAI-1995 23.48-MAI-1995
 2 .194478736612D+03 .200000000000D+03 .205602901344D+03 .421196009209D+05 .347226542827D+05 .403872530675D+05
 3 156 28676.863 80017.260 3.38-MAR-1996 18.47-AUG-1995 13.08-AUG-1995
 3 .193684453470D+03 .200000000000D+03 .206320290430D+03 .401029596032D+06 .800172604423D+05 .313694618280D+06
 4 207 41080.819 58950.224 8.13-APR-1996 24.60-SEP-1995 21.83-SEP-1995
 4 .194148157116D+03 .200000000000D+03 .205891304202D+03 .196544818035D+06 .589502239113D+05 .798284902087D+05
 5 248 243643.122 22521.829 6.86-MAI-1996 22.86-OCT-1995 18.54-OCT-1995
 5 .194253848472D+03 .200000000000D+03 .205824707354D+03 .226624907259D+05 .225218287445D+05 .225712214080D+05
 0
Z0= .080000 T0= 16575.00000 NVO= 3 NC1= 0 NC2=250 DESP= 200.000 RTOL=100000.000 NTR= 5 MAR= 0
 1 6 53851.182 8517.439 20.23-NOV-1995 29.97-APR-1995 27.63-APR-1995
 1 .194257537504D+03 .200000000000D+03 .205981860385D+03 .304226143353D+05 .851743852777D+04 .967640620091D+04

```

```

6 222 36674.393 26001.915 9.67-APR-1996 25.19-SEP-1995 22.75-SEP-1995
6 .194254630119D+03 .20000000000D+03 .206026023303D+03 .306584574803D+06 .260019152433D+05 .414037730157D+05
0
Z0= .080000 T0= 16566.00000 NVO= 3 NC1= 0 NC2=250 DESP= 200.000 RTOL=100000.000 NTR= 6 MAR= 0
1 3 347606.490 14391.590 9.41-NOV-1995 16.84-APR-1995 16.84-APR-1995
1 .194272673093D+03 .20000000000D+03 .205890247680D+03 .144025261296D+05 .143915902995D+05 .144483900288D+05
2 19 79048.015 9287.591 20.60-NOV-1995 29.38-APR-1995 27.18-APR-1995
2 .194313728961D+03 .20000000000D+03 .205770818774D+03 .116522438536D+05 .928759117326D+04 .113431922315D+05
3 60 58029.771 56159.321 19.30-DEC-1995 24.56-MAI-1995 21.76-MAI-1995
3 .194527060532D+03 .20000000000D+03 .205630358407D+03 .877564066908D+05 .561593207191D+05 .656931216825D+05
4 100 17017.852 68687.714 16.29-JAN-1996 16.46-JUN-1995 12.02-JUN-1995
4 .194081728692D+03 .20000000000D+03 .206120273149D+03 .354270757597D+06 .686877139844D+05 .276642469672D+06
5 216 157990.327 86844.170 6.47-APR-1996 23.48-SEP-1995 19.70-SEP-1995
5 .194253722823D+03 .20000000000D+03 .205915437124D+03 .875843344245D+05 .868441700372D+05 .880143753778D+05
6 220 21448.047 14056.579 9.27-APR-1996 25.01-SEP-1995 22.50-SEP-1995
6 .194262847469D+03 .20000000000D+03 .205905349836D+03 .153891557376D+06 .140565790730D+05 .413004195590D+05
0
Z0= .080000 T0= 16567.00000 NVO= 3 NC1= 0 NC2=250 DESP= 200.000 RTOL=100000.000 NTR= 5 MAR= 0
1 2 346949.065 14884.422 9.68-NOV-1995 17.17-APR-1995 17.16-APR-1995
1 .194242770397D+03 .20000000000D+03 .205921899910D+03 .149209822068D+05 .148844224274D+05 .149135898664D+05
2 17 55450.811 8755.734 20.18-NOV-1995 29.23-APR-1995 26.89-APR-1995
2 .194347444322D+03 .20000000000D+03 .205809359058D+03 .239919065614D+05 .875573407545D+04 .978951883761D+04
3 59 75048.270 55448.125 19.58-DEC-1995 24.86-MAI-1995 22.18-MAI-1995
3 .194507786951D+03 .20000000000D+03 .205649749321D+03 .638817386630D+05 .554481249365D+05 .656554033168D+05
4 214 175587.074 92700.003 6.07-APR-1996 23.21-SEP-1995 19.36-SEP-1995
4 .194220440316D+03 .20000000000D+03 .205948535683D+03 .939057774296D+05 .927000031852D+05 .928986438582D+05
5 219 49142.957 38100.966 9.57-APR-1996 25.22-SEP-1995 22.74-SEP-1995
5 .194235247935D+03 .20000000000D+03 .205933278522D+03 .448231886311D+05 .381009657093D+05 .497648169200D+05
0
Z0= .080000 T0= 16568.00000 NVO= 3 NC1= 0 NC2=250 DESP= 200.000 RTOL=100000.000 NTR= 6 MAR= 0
1 2 346395.418 15433.910 10.65-NOV-1995 18.16-APR-1995 18.14-APR-1995
1 .194268991113D+03 .20000000000D+03 .205896288680D+03 .154342216975D+05 .154339099024D+05 .154896083491D+05
2 16 69406.679 8454.898 20.45-NOV-1995 29.49-APR-1995 27.25-APR-1995
2 .194291824854D+03 .20000000000D+03 .205792766537D+03 .155024789532D+05 .845489796972D+04 .102848668183D+05
3 57 54765.470 50609.637 19.15-DEC-1995 24.85-MAI-1995 22.07-MAI-1995
3 .194537256403D+03 .20000000000D+03 .205617336589D+03 .802606666881D+05 .506096366792D+05 .560289006757D+05
4 165 19447.543 71505.944 3.76-MAR-1996 21.21-AUG-1995 16.27-AUG-1995
4 .193770011344D+03 .20000000000D+03 .206232484954D+03 .402335429540D+06 .715059438857D+05 .243246738417D+06
5 213 145755.178 98608.176 6.36-APR-1996 23.11-SEP-1995 19.70-SEP-1995
5 .194265948410D+03 .20000000000D+03 .206027261126D+03 .990867297585D+05 .986081755158D+05 .100830749744D+06
6 217 33370.581 30570.695 9.16-APR-1996 25.02-SEP-1995 22.47-SEP-1995
6 .194156334779D+03 .20000000000D+03 .205892503990D+03 .229530394303D+06 .305706950622D+05 .508377766752D+05
0
Z0= .080000 T0= 16569.00000 NVO= 3 NC1= 0 NC2=250 DESP= 200.000 RTOL=100000.000 NTR= 5 MAR= 0
1 1 345992.678 16012.539 10.92-NOV-1995 18.48-APR-1995 18.46-APR-1995
1 .194198762737D+03 .20000000000D+03 .205884961751D+03 .160447164849D+05 .160125391613D+05 .160343829466D+05
2 15 84558.887 8925.575 20.72-NOV-1995 29.75-APR-1995 27.59-APR-1995
2 .194299039068D+03 .20000000000D+03 .205856564748D+03 .964988344108D+04 .892557548532D+04 .107104598609D+05
3 56 69901.235 47708.274 19.43-DEC-1995 25.15-MAI-1995 22.49-MAI-1995
3 .194480520094D+03 .20000000000D+03 .205673862469D+03 .618398254470D+05 .477082744940D+05 .561263015222D+05
4 96 20349.590 89904.392 16.44-JAN-1996 17.36-JUN-1995 13.08-JUN-1995
4 .194068508144D+03 .20000000000D+03 .206002367079D+03 .346845106603D+06 .899043922748D+05 .245769014198D+06
5 215 19912.371 19546.051 8.76-APR-1996 24.83-SEP-1995 22.21-SEP-1995
5 .194288838199D+03 .20000000000D+03 .206002911580D+03 .160747982901D+06 .195460512123D+05 .510423810453D+05
0

```

```

4 .1938012433140+03 .2000000000000+03 .2062675849880+03 .3610805438510+06 .8647303086980+05 .1371234959660+06
5 224 164145.668 62974.913 7.07-APR-1996 23.52-SEP-1995 19.95-SEP-1995
5 .1942911668950+03 .2000000000000+03 .2058723956750+03 .6354037531020+05 .6297491335030+05 .6379272692690+05
6 228 17527.586 11892.152 9.87-APR-1996 25.12-SEP-1995 22.60-SEP-1995
6 .1943102682550+03 .2000000000000+03 .2058519865530+03 .1031960749530+06 .1189215187780+05 .2736425770870+05
0
ZO= .080000 TO= 16562.00000 NVO= 3 NC1= 0 NC2=250 DESP= 200.000 RTOL=100000.000 NTR= 5 MAR= 0
1 6 354816.036 12855.045 7.61-NOV-1995 14.90-APR-1995 14.90-APR-1995
1 .1942856613330+03 .2000000000000+03 .2058742535280+03 .1285888562730+05 .1285504473550+05 .1293105477750+05
2 24 58802.321 10319.604 20.20-NOV-1995 28.70-APR-1995 26.37-APR-1995
2 .1944131434300+03 .2000000000000+03 .2057401123440+03 .2321986608870+05 .1031960351250+05 .1215283886180+05
3 66 68003.855 73612.506 19.57-DEC-1995 23.97-MAI-1995 21.09-MAI-1995
3 .1944916036330+03 .2000000000000+03 .2056699123810+03 .9388343372670+05 .7361250604970+05 .8915656913660+05
4 222 182316.673 67315.761 6.67-APR-1996 23.30-SEP-1995 19.64-SEP-1995
4 .1942583420210+03 .2000000000000+03 .2059070983770+03 .6824963651600+05 .6731576100720+05 .6741574855890+05
5 227 44749.008 24366.292 10.16-APR-1996 25.35-SEP-1995 23.01-SEP-1995
5 .1942794326910+03 .2000000000000+03 .2058849559280+03 .3222639226350+06 .2436629212870+05 .3395905212150+05
0
ZO= .080000 TO= 16563.00000 NVO= 3 NC1= 0 NC2=250 DESP= 200.000 RTOL=100000.000 NTR= 6 MAR= 0
1 5 353049.475 13168.700 7.89-NOV-1995 15.22-APR-1995 15.22-APR-1995
1 .1942916778440+03 .2000000000000+03 .2058699715200+03 .1319110393870+05 .1316869973590+05 .1322493200630+05
2 23 73087.588 10126.654 20.48-NOV-1995 28.97-APR-1995 26.74-APR-1995
2 .1944168112510+03 .2000000000000+03 .2057354006360+03 .1490173122160+05 .1012665401060+05 .1250284178860+05
3 64 46665.720 67981.593 19.15-DEC-1995 23.87-MAI-1995 21.00-MAI-1995
3 .1945143493500+03 .2000000000000+03 .2056446773800+03 .1164210180090+06 .6798159282420+05 .7579478504690+05
4 104 14466.620 80486.423 16.13-JAN-1996 15.39-JUN-1995 10.16-JUN-1995
4 .1940048162980+03 .2000000000000+03 .2062041025080+03 .3575984730220+06 .8048642281340+05 .3056216154870+06
5 221 151907.980 71671.634 6.97-APR-1996 23.46-SEP-1995 20.01-SEP-1995
5 .1941491599240+03 .2000000000000+03 .2059032352340+03 .7209836973630+05 .7167163434290+05 .7321724685600+05
6 225 28517.099 17206.349 9.77-APR-1996 25.18-SEP-1995 22.75-SEP-1995
6 .1942757717200+03 .2000000000000+03 .2058912676100+03 .1733800146130+06 .1720634860730+05 .3431242601760+05
0
ZO= .080000 TO= 16564.00000 NVO= 3 NC1= 0 NC2=250 DESP= 200.000 RTOL=100000.000 NTR= 5 MAR= 0
1 4 351430.592 13529.406 8.16-NOV-1995 15.55-APR-1995 15.55-APR-1995
1 .1942207762730+03 .2000000000000+03 .2058647884570+03 .1357188093020+05 .1352940583660+05 .1356474436340+05
2 21 51357.923 10173.013 20.05-NOV-1995 28.84-APR-1995 26.47-APR-1995
2 .1943449270150+03 .2000000000000+03 .2057392915660+03 .2591055159500+05 .1017301278040+05 .1053007304940+05
3 63 62742.762 63789.769 19.44-DEC-1995 24.31-MAI-1995 21.44-MAI-1995
3 .1945342507570+03 .2000000000000+03 .2057060728020+03 .9281002543820+05 .6378976883950+05 .7671220729360+05
4 219 170929.270 76470.864 6.57-APR-1996 23.29-SEP-1995 19.67-SEP-1995
4 .1941720304200+03 .2000000000000+03 .2058773392030+03 .7737488851700+05 .7647086359290+05 .7694900136370+05
5 223 8805.056 5752.332 9.37-APR-1996 24.99-SEP-1995 22.16-SEP-1995
5 .1943014802280+03 .2000000000000+03 .2059776548210+03 .1086381796900+06 .5752332138440+04 .3213645426810+05
0
ZO= .080000 TO= 16565.00000 NVO= 3 NC1= 0 NC2=250 DESP= 200.000 RTOL=100000.000 NTR= 6 MAR= 0
1 3 349984.431 13939.838 8.43-NOV-1995 15.87-APR-1995 15.87-APR-1995
1 .1942591163260+03 .2000000000000+03 .2059049040430+03 .1400336672890+05 .1393983799140+05 .1395258079510+05
2 20 64293.337 9072.237 20.33-NOV-1995 29.11-APR-1995 26.83-APR-1995
2 .1943776849040+03 .2000000000000+03 .2057756848690+03 .1894293211080+05 .9072236747890+04 .1098309769440+05
3 62 81103.120 64825.853 19.72-DEC-1995 24.59-MAI-1995 21.85-MAI-1995
3 .1945067391320+03 .2000000000000+03 .2057340523570+03 .6535775081990+05 .6482585298550+05 .7645328975430+05
4 170 17970.785 87292.199 4.28-MAR-1996 22.15-AUG-1995 17.30-AUG-1995
4 .1939586607650+03 .2000000000000+03 .2062162052480+03 .3946620440450+06 .8729219873710+05 .2146587859180+06
5 218 142592.076 81567.632 6.87-APR-1996 23.73-SEP-1995 20.01-SEP-1995
5 .1942421709790+03 .2000000000000+03 .2059261739540+03 .8180362076030+05 .8156763150760+05 .8395868131940+05

```

## RESULTS PROGRAM SELWS FROM FILES FROM PROGRAMS VECSWS and ESTWS1

DUE TO COMPATIBILITY WRITING OF SELWS and SELWS2:

If this file comes from program REFIN2 the

variables NC2 and DESP are meaningless

If a manual change of the movements is done,

you must change the var. MAR according to IND

of routine MDTWSQ

INPUT FILE 1: vecsws1.dat

INPUT FILE 2: estws11.dat

SPCSM= .100000000000-01 IPA= 1 1 11 1 1 1 1 1 1 1 1 1 1 0 0 0 ICO= 2

0

Z0= .080000 T0= 16558.00000 NVO= 3 NC1= 0 NC2=250 DESP= 200.000 RTOL=100000.000 NTR= 5 MAR= 0  
 1 9 367750.750 11966.313 5.81-NOV-1995 12.92-APR-1995 12.92-APR-1995  
 1 .194272157289D+03 .200000000000D+03 .205886802287D+03 .119848422920D+05 .119663131652D+05 .120301320854D+05  
 2 30 73537.836 13291.944 20.48-NOV-1995 28.37-APR-1995 26.11-APR-1995  
 2 .194420062207D+03 .200000000000D+03 .205663671011D+03 .176917304488D+05 .132919443090D+05 .165095482821D+05  
 3 71 37217.854 88692.058 19.14-DEC-1995 22.93-MAI-1995 19.84-MAI-1995  
 3 .194500263446D+03 .200000000000D+03 .205752906743D+03 .162717000031D+06 .886920580020D+05 .995387013688D+05  
 4 229 149176.315 51945.598 7.57-APR-1996 23.88-SEP-1995 20.30-SEP-1995  
 4 .194208762149D+03 .200000000000D+03 .205850942353D+03 .520565955332D+05 .519455980360D+05 .535022694995D+05  
 5 233 35113.170 16154.025 10.37-APR-1996 25.29-SEP-1995 22.97-SEP-1995  
 5 .194228855872D+03 .200000000000D+03 .205935294002D+03 .114402459324D+06 .161540253471D+05 .243130624062D+05

0

Z0= .080000 T0= 16559.00000 NVO= 3 NC1= 0 NC2=250 DESP= 200.000 RTOL=100000.000 NTR= 5 MAR= 0  
 1 8 365593.672 12127.714 6.08-NOV-1995 13.26-APR-1995 13.26-APR-1995  
 1 .194262685243D+03 .200000000000D+03 .205897638988D+03 .121626860286D+05 .121277135390D+05 .121756940192D+05  
 2 28 52660.246 12514.591 20.06-NOV-1995 28.26-APR-1995 25.88-APR-1995  
 2 .194473694341D+03 .200000000000D+03 .205746724174D+03 .281785792220D+05 .125145909603D+05 .137419596153D+05  
 3 70 54342.124 81776.682 19.42-DEC-1995 23.31-MAI-1995 20.31-MAI-1995  
 3 .194506471646D+03 .200000000000D+03 .205745724075D+03 .141826195596D+06 .817766819940D+05 .102407645736D+06  
 4 227 169988.499 55337.560 7.17-APR-1996 23.50-SEP-1995 19.97-SEP-1995  
 4 .194311383902D+03 .200000000000D+03 .205961506593D+03 .558740559204D+05 .553375599449D+05 .559538610772D+05  
 5 231 15887.696 21792.062 9.97-APR-1996 25.11-SEP-1995 22.51-SEP-1995  
 5 .194327374702D+03 .200000000000D+03 .205940182948D+03 .827832406564D+05 .217920622668D+05 .230219576610D+05

0

Z0= .080000 T0= 16560.00000 NVO= 3 NC1= 0 NC2=250 DESP= 200.000 RTOL=100000.000 NTR= 5 MAR= 0  
 1 7 363254.254 12329.108 6.36-NOV-1995 13.59-APR-1995 13.59-APR-1995  
 1 .194274985918D+03 .200000000000D+03 .205885717077D+03 .123806086553D+05 .123291083614D+05 .123606542822D+05  
 2 27 66377.237 11464.164 20.34-NOV-1995 28.54-APR-1995 26.26-APR-1995  
 2 .194417102561D+03 .200000000000D+03 .205735245589D+03 .200351024781D+05 .114641638418D+05 .141490741188D+05  
 3 69 74551.310 85618.837 19.71-DEC-1995 23.70-MAI-1995 20.73-MAI-1995  
 3 .194536169848D+03 .200000000000D+03 .205713752002D+03 .914516946055D+05 .856188365867D+05 .103001786129D+06  
 4 226 145940.176 59118.843 7.47-APR-1996 23.68-SEP-1995 20.26-SEP-1995  
 4 .194255023205D+03 .200000000000D+03 .205908126690D+03 .592436108968D+05 .591188429805D+05 .609662759544D+05  
 5 230 35027.931 17725.723 10.27-APR-1996 25.29-SEP-1995 22.94-SEP-1995  
 5 .194279549580D+03 .200000000000D+03 .205881351321D+03 .163399859340D+06 .177257231626D+05 .281989811179D+05

0

Z0= .080000 T0= 16561.00000 NVO= 3 NC1= 0 NC2=250 DESP= 200.000 RTOL=100000.000 NTR= 6 MAR= 0  
 1 6 360804.412 12572.128 6.64-NOV-1995 13.92-APR-1995 13.92-APR-1995  
 1 .194225941654D+03 .200000000000D+03 .205859795616D+03 .126414080779D+05 .125721283246D+05 .125863829451D+05  
 2 26 81734.312 11712.022 20.62-NOV-1995 28.83-APR-1995 26.63-APR-1995  
 2 .194440268469D+03 .200000000000D+03 .205711202147D+03 .128138220358D+05 .117120221526D+05 .143781648083D+05  
 3 67 49759.743 73186.346 19.29-DEC-1995 23.64-MAI-1995 20.66-MAI-1995  
 3 .194501744721D+03 .200000000000D+03 .205661639810D+03 .130347105797D+06 .731863462049D+05 .883529594974D+05  
 4 107 28260.673 86473.031 16.26-JAN-1996 14.04-JUN-1995 8.99-JUN-1995

246 -.819264986258D+08 -.124623627342D+09 .151823968508D+06 .211396245012D+07 -.140238423512D+07 .371443324071D+03  
246 .120988820174D+09 .867667351006D+08 -.306403362801D+04 -.202600910243D+07 .236375672833D+07 -.798046993128D+05  
246 .120988820174D+09 .867667351005D+08 -.306403362702D+04 -.202600910237D+07 .236375672843D+07 -.798046993240D+05  
247 0 .169401728442D+05 .167383751712D+05 .167383751712D+05 .380086303327D+06 .169747982988D+05  
247 -.804349109188D+08 -.125600345064D+09 .152055765662D+06 .213030238508D+07 -.137681887149D+07 .288522604915D+03  
247 .120002151050D+09 .881023548703D+08 -.309880976169D+04 -.206175691940D+07 .235606213363D+07 -.791902633298D+05  
247 .120002151050D+09 .881023548703D+08 -.309880976169D+04 -.206175691940D+07 .235606213363D+07 -.791902633298D+05  
248 0 .169408757083D+05 .167390082275D+05 .167390082275D+05 .379361208590D+06 .161655553205D+05  
248 -.789319494017D+08 -.126559026884D+09 .152229285004D+06 .214632617127D+07 -.135106369699D+07 .205610780591D+03  
248 .119012865681D+09 .894111399688D+08 -.312814652392D+04 -.209667971880D+07 .234833429033D+07 -.781305242948D+05  
248 .119012865681D+09 .894111399688D+08 -.312814652392D+04 -.209667971880D+07 .234833429033D+07 -.781305242948D+05  
249 0 .169415785723D+05 .167396449580D+05 .167396449580D+05 .378851664379D+06 .154281286631D+05  
249 -.774178369647D+08 -.127499540745D+09 .152344554446D+06 .216203187701D+07 -.132512257570D+07 .122767394404D+03  
249 .118003337656D+09 .907167183211D+08 -.315353516706D+04 -.213122346970D+07 .234027260361D+07 -.765361825925D+05  
249 .118003337656D+09 .907167183211D+08 -.315353516706D+04 -.213122346970D+07 .234027260361D+07 -.765361825925D+05  
250 0 .169422814363D+05 .167402793658D+05 .167402793658D+05 .378565356819D+06 .147722462940D+05  
250 -.758927978462D+08 -.128421757332D+09 .152401639484D+06 .217741759390D+07 -.129899945242D+07 .400396615533D+02  
250 .116983155851D+09 .920066092019D+08 -.317561229835D+04 -.216486773585D+07 .233178701700D+07 -.743581949265D+05  
250 .116983155851D+09 .920066092019D+08 -.317561229835D+04 -.216486773585D+07 .233178701700D+07 -.743581949265D+05



232 .129170267815D+09 .734345572749D+08 -.909051669654D+01 -.135631536311D+07 .215511754445D+07 .641793049862D+04  
232 .133171605004D+09 .670439692397D+08 -.363721351089D+04 -.150077589178D+07 .241499314939D+07 -.475072885781D+05  
233 0 .169303327476D+05 .167321145314D+05 .167294133768D+05 .428554782793D+05 .602097724165D+05  
233 -.100183462370D+09 -.110349865404D+09 .143569154970D+06 .187379433704D+07 -.171578292033D+07 .142639755357D+04  
233 .128646971526D+09 .743719283079D+08 -.600834710661D+02 -.137865701965D+07 .214009777198D+07 .615564756457D+04  
233 .132391637280D+09 .685478257014D+08 -.440438329118D+04 -.150864201922D+07 .235446939579D+07 -.303345786467D+05  
234 0 .169310356117D+05 .167325019723D+05 .167290288181D+05 .348240568882D+04 .247888619223D+06  
234 -.988593124168D+08 -.111547847611D+09 .144543816509D+06 .189403329808D+07 -.169302065742D+07 .134747801133D+04  
234 .128156054175D+09 .752480799937D+08 .186272769909D+04 -.144073203546D+07 .214758158526D+07 -.753285251418D+05  
234 .132756452900D+09 .676842609473D+08 .221938784700D+06 -.129936594606D+07 .221147534826D+07 -.119708032292D+05  
235 0 .169317384757D+05 .167328687416D+05 .167307351795D+05 .460110045425D+05 .158212558133D+05  
235 -.975210369629D+08 -.112729747291D+09 .145462856651D+06 .191398788228D+07 -.167002065272D+07 .126812036909D+04  
235 .127680779093D+09 .760790223107D+08 -.909729108206D+03 -.141616016003D+07 .212945737814D+07 .564570530543D+04  
235 .130757066884D+09 .715071982155D+08 -.421579794884D+03 -.173611781598D+07 .262202198738D+07 -.107546745840D+06  
236 0 .169324413398D+05 .167332890551D+05 .167313357257D+05 .908299703505D+05 .229817773491D+05  
236 -.961688368440D+08 -.113895398616D+09 .146325976016D+06 .193365536757D+07 -.164678654257D+07 .118834789330D+04  
236 .127127703374D+09 .770226966614D+08 -.144708570113D+04 -.143330571352D+07 .211379070358D+07 .663433634815D+04  
236 .129995857519D+09 .728673699142D+08 -.154339114357D+04 -.170527810466D+07 .250680801560D+07 -.900127923285D+05  
237 0 .169331442038D+05 .167337350872D+05 .167319635476D+05 .134646618658D+06 .249613973933D+05  
237 -.948029147998D+08 -.115044638334D+09 .147132889926D+06 .195303305855D+07 -.162332200419D+07 .110817914559D+04  
237 .126532682446D+09 .780177330024D+08 -.180159859609D+04 -.145381167417D+07 .209924193103D+07 .701458431436D+04  
237 .129182447371D+09 .742759258788D+08 -.205191043211D+04 -.172198620172D+07 .246815193455D+07 -.832168833149D+05  
238 0 .169338470678D+05 .167341943219D+05 .167326012332D+05 .176596090366D+06 .252312611160D+05  
238 -.934234754559D+08 -.116177305785D+09 .147883325170D+06 .197211828423D+07 -.159963074712D+07 .102762831617D+04  
238 .125911732840D+09 .790364668180D+08 -.210096400464D+04 -.147571148621D+07 .208453236595D+07 .729593392014D+04  
238 .128339899959D+09 .756959878224D+08 -.233889998649D+04 -.174901856108D+07 .244591433868D+07 -.804428635155D+05  
239 0 .169345499319D+05 .167346577712D+05 .167332371426D+05 .215951212062D+06 .247818757188D+05  
239 -.920307253071D+08 -.117293242926D+09 .148577017265D+06 .199090839752D+07 -.157571650138D+07 .946706300024D+03  
239 .125276856955D+09 .800591195241D+08 -.238956587160D+04 -.149844613456D+07 .206951055816D+07 .755209478142D+04  
239 .127483753926D+09 .771022284589D+08 -.252545383201D+04 -.177981195151D+07 .243009568749D+07 -.793408593002D+05  
240 0 .169352527959D+05 .167351323125D+05 .167338822218D+05 .253207097230D+06 .239784080112D+05  
240 -.906248726992D+08 -.118392294341D+09 .149213708805D+06 .200940077811D+07 -.155158300236D+07 .865422795438D+03  
240 .124618548095D+09 .811009117871D+08 -.270206407583D+04 -.152251564700D+07 .205371520749D+07 .780855640112D+04  
240 .126599215245D+09 .785188660647D+08 -.266165639225D+04 -.181304898446D+07 .241725176039D+07 -.790347211089D+05  
241 0 .169359556600D+05 .167356059261D+05 .167345219417D+05 .287267389052D+06 .230115064282D+05  
241 -.892061278084D+08 -.119474307231D+09 .149793149708D+06 .202759284037D+07 -.152723397391D+07 .783789594671D+03  
241 .123953580937D+09 .821355516834D+08 -.305523453264D+04 -.154765834455D+07 .203733574140D+07 .806467691976D+04  
241 .125706221629D+09 .799138914444D+08 -.276530928902D+04 -.184720929242D+07 .240637497571D+07 -.791397238768D+05  
242 0 .169366585240D+05 .167360859715D+05 .167351684222D+05 .318470789296D+06 .219573306563D+05  
242 -.877747026121D+08 -.120539131410D+09 .150315100157D+06 .204548204774D+07 -.150267311285D+07 .701824887127D+03  
242 .123271969110D+09 .831793320705D+08 -.347965227504D+04 -.157489324566D+07 .201985711851D+07 .831982688990D+04  
242 .124787944002D+09 .813136067093D+08 -.284916904708D+04 -.188252555331D+07 .239660044329D+07 -.794323307140D+05  
243 0 .169373613880D+05 .167365649550D+05 .167358145194D+05 .346063280056D+06 .208828913346D+05  
243 -.863308108473D+08 -.121586619276D+09 .150779336701D+06 .206306593302D+07 -.147790408060D+07 .619557775062D+03  
243 .122584976886D+09 .842163287272D+08 -.399972676390D+04 -.160502562551D+07 .200114741141D+07 .854615689565D+04  
243 .123854430585D+09 .827022652113D+08 -.291803158071D+04 -.191835118814D+07 .238766756585D+07 -.797583350952D+05  
244 0 .169380642521D+05 .167370340779D+05 .167364536264D+05 .369361736186D+06 .198349996325D+05  
244 -.848746679542D+08 -.122616625791D+09 .151185661201D+06 .208034212075D+07 -.145293050737D+07 .537031523629D+03  
244 .121906893380D+09 .852285203812D+08 -.464829120901D+04 -.164015969357D+07 .198087575608D+07 .865671015642D+04  
244 .122915628700D+09 .840656966238D+08 -.297498406301D+04 -.195410851612D+07 .237939745758D+07 -.799948237826D+05  
245 0 .1693867671161D+05 .167370977160D+05 .167370977160D+05 .382165170450D+06 .188177643277D+05  
245 -.834064910052D+08 -.123629008461D+09 .151533911093D+06 .209730834431D+07 -.142775601221D+07 .454303849970D+03  
245 .121954156416D+09 .854293383234D+08 -.302342535054D+04 -.199028556754D+07 .237143355799D+07 -.800420156427D+05  
245 .121954156416D+09 .854293383234D+08 -.302342535054D+04 -.199028556754D+07 .237143355799D+07 -.800420156427D+05  
246 0 .169394699802D+05 .167377343366D+05 .167377343366D+05 .381032676498D+06 .178666553854D+05

218 .142187370712D+09 .455473052849D+08 -.199839749984D+04 -.106178737916D+07 .258690481600D+07 -.504640795337D+05  
219 0 .169204926510D+05 .167203697533D+05 .167203697533D+05 .337435831719D+06 .629967700481D+05  
219 -.117130659888D+09 -.919881400564D+08 .124306996562D+06 .156220493923D+07 -.200757128747D+07 .246543365660D+04  
219 .141654811880D+09 .471274516765D+08 -.204105978655D+04 -.109416708205D+07 .257910452552D+07 -.512925630652D+05  
219 .141654811880D+09 .471274516765D+08 -.204105978636D+04 -.109416708205D+07 .257910452553D+07 -.512925630654D+05  
220 0 .169211955151D+05 .167210434560D+05 .167210087293D+05 .340702363377D+06 .611354679191D+05  
220 -.116024227195D+09 -.933925067501D+08 .126015432344D+06 .158611683920D+07 -.198849229628D+07 .239643393906D+04  
220 .141072513357D+09 .487705485790D+08 -.385271767018D+04 -.113865771375D+07 .254552355526D+07 -.495141618440D+05  
220 .141111850359D+09 .486817037721D+08 -.208672726599D+04 -.112611618040D+07 .257102437173D+07 -.520709661555D+05  
221 0 .169218983791D+05 .167217454708D+05 .167216557663D+05 .342545516237D+06 .593247806932D+05  
221 -.114901072408D+09 -.947833636207D+08 .127675042188D+06 .160978699155D+07 -.196912954499D+07 .232649709940D+04  
221 .140439376166D+09 .504765162806D+08 -.652524975369D+04 -.118161518773D+07 .249156522635D+07 -.443477502180D+05  
221 .140544583638D+09 .502498219846D+08 -.213705653103D+04 -.115845778558D+07 .256245959569D+07 -.528168435291D+05  
222 0 .169226012432D+05 .167224385614D+05 .167222947728D+05 .342957807925D+06 .576046485673D+05  
222 -.113761366636D+09 -.961605122907D+08 .129285176868D+06 .163321200529D+07 -.194948607474D+07 .225565017492D+04  
222 .139793448776D+09 .521512304579D+08 -.883140343398D+04 -.121154076548D+07 .243779664946D+07 -.377210024696D+05  
222 .139967162581D+09 .517926127346D+08 -.219134370798D+04 -.119038885127D+07 .255362141237D+07 -.535080585996D+05  
223 0 .169233041072D+05 .167231396371D+05 .167229419871D+05 .341764837543D+06 .559281047791D+05  
223 -.112605283356D+09 -.975237565290D+08 .130845207203D+06 .165638854603D+07 -.192956495441D+07 .218392317318D+04  
223 .139119976354D+09 .538353800377D+08 -.107254725216D+05 -.123167664000D+07 .238885338858D+07 -.306977070779D+05  
223 .139364954304D+09 .533490813301D+08 -.225162334705D+04 -.122272061791D+07 .254427723876D+07 -.541566789726D+05  
224 0 .169240069713D+05 .167238385955D+05 .167235815977D+05 .338767424711D+06 .543355541753D+05  
224 -.111432998364D+09 -.988729022723D+08 .132354526117D+06 .167931333642D+07 -.190936928258D+07 .211134895854D+04  
224 .138427293729D+09 .555044743282D+08 -.123249631098D+05 -.124380423793D+07 .234529071934D+07 -.236226126451D+05  
224 .138752695708D+09 .548810022975D+08 -.231723382638D+04 -.125465991731D+07 .253463729484D+07 -.547383067282D+05  
225 0 .169247098353D+05 .167245420365D+05 .167242294801D+05 .333560616014D+06 .527905528363D+05  
225 -.110244689740D+09 -.100207757646D+09 .133812550573D+06 .170198315621D+07 -.188890219004D+07 .203796302434D+04  
225 .137711863297D+09 .571746035021D+08 -.133889798300D+05 -.125479167473D+07 .231103062833D+07 -.178931497643D+05  
225 .138115215767D+09 .564261966203D+08 -.239090424275D+04 -.128699019243D+07 .252442853921D+07 -.552535340225D+05  
226 0 .169254126993D+05 .167253166630D+05 .167248778374D+05 .325453379365D+06 .513218897475D+05  
226 -.109040537811D+09 -.101528132989D+09 .135218723304D+06 .172439484180D+07 -.186816684255D+07 .196380314295D+04  
226 .136887710990D+09 .589973320111D+08 -.148793288212D+05 -.124969302533D+07 .227260946800D+07 -.963439451390D+04  
226 .137459890616D+09 .579657472204D+08 -.247349002740D+04 -.131930134286D+07 .251370485750D+07 -.556718174587D+05  
227 0 .169261155634D+05 .167261304000D+05 .167255191452D+05 .313515146094D+06 .499635885474D+05  
227 -.107820725102D+09 -.102833840877D+09 .136572514256D+06 .174654528525D+07 -.184716644379D+07 .188890889092D+04  
227 .135993261994D+09 .608942799880D+08 -.155760368820D+05 -.124620661195D+07 .224569711749D+07 -.339516731344D+04  
227 .136794646235D+09 .594817135087D+08 -.256635219876D+04 -.135117822921D+07 .250249390086D+07 -.559516145607D+05  
228 0 .169268184274D+05 .167310957674D+05 .167261688915D+05 .275003141429D+06 .487191357713D+05  
228 -.106585436309D+09 -.104124696153D+09 .137873421651D+06 .176843143265D+07 -.182590423859D+07 .181332105561D+04  
228 .129846537895D+09 .719540444617D+08 .629396097958D+04 -.131264819759D+07 .218546186424D+07 .589221882893D+04  
228 .136103421902D+09 .610105234264D+08 -.267596418361D+04 -.138330837759D+07 .249033091345D+07 -.560304436672D+05  
229 0 .169275212915D+05 .167310820149D+05 .167268120575D+05 .230933634738D+06 .476884233680D+05  
229 -.105334858254D+09 -.105400515955D+09 .139120972606D+06 .179005028222D+07 -.180438351593D+07 .173708093984D+04  
229 .129893466088D+09 .719617828545D+08 .389235887347D+04 -.131703610929D+07 .218153056448D+07 .604176289908D+04  
229 .135402182498D+09 .625166873488D+08 -.280740882220D+04 -.141478421195D+07 .247713275587D+07 -.557770735429D+05  
230 0 .169282241555D+05 .167311791506D+05 .167274637858D+05 .184561496091D+06 .470019518160D+05  
230 -.104069179848D+09 -.106661119751D+09 .140314723220D+06 .181139888165D+07 -.178260761180D+07 .166022959005D+04  
230 .129797325676D+09 .722144230440D+08 .199680178753D+04 -.132594995677D+07 .217514092260D+07 .618624864548D+04  
230 .134674400167D+09 .640355967872D+08 -.297929370432D+04 -.144598361094D+07 .246182635098D+07 -.549127635496D+05  
231 0 .169289270195D+05 .167313960921D+05 .167281167407D+05 .137168194267D+06 .470609893044D+05  
231 -.102788592067D+09 -.107906329368D+09 .141454258113D+06 .183247432530D+07 -.176057991158D+07 .158280697944D+04  
231 .129543521690D+09 .727292051489D+08 .733864185049D+03 -.133939364864D+07 .216624936055D+07 .632086529417D+04  
231 .133927918390D+09 .655502069325D+08 -.322597400034D+04 -.147564720788D+07 .244274481882D+07 -.527808010420D+05  
232 0 .169296298836D+05 .167317011875D+05 .167287632563D+05 .900072521650D+05 .490812023470D+05  
232 -.101493287908D+09 -.109135969032D+09 .142539189381D+06 .185327375107D+07 -.173830385167D+07 .150485117940D+04



205 0 .169106525545D+05 .167112584719D+05 .167112584719D+05 .429782574535D+06 .103046515910D+06  
205 -.130775005682D+09 -.710245280791D+08 .956598019306D+05 .120406575922D+07 -.224323839802D+07 .332199900116D+04  
205 .147510723395D+09 .244665174422D+08 -.168267791388D+04 -.637846941197D+06 .265026280221D+07 -.369606416241D+05  
205 .147510723395D+09 .244665174422D+08 -.168267791388D+04 -.637846941197D+06 .265026280221D+07 -.369606416241D+05  
206 0 .169113554185D+05 .167119227655D+05 .167119227655D+05 .415196786240D+06 .989258798391D+05  
206 -.129919243930D+09 -.725960419445D+08 .979756799169D+05 .123098169897D+07 -.222843665663D+07 .326833722463D+04  
206 .147204130025D+09 .261438853136D+08 -.168928991150D+04 -.671042579345D+06 .264793433676D+07 -.381077785472D+05  
206 .147204130025D+09 .261438853135D+08 -.168928991092D+04 -.671042579342D+06 .264793433677D+07 -.381077785474D+05  
207 0 .169120582825D+05 .167125849730D+05 .167125849730D+05 .400904091739D+06 .950453468486D+05  
207 -.129044630576D+09 -.741570385193D+08 .100253373530D+06 .125770727696D+07 -.221331178804D+07 .321335347167D+04  
207 .146879491449D+09 .278128845721D+08 -.169982124845D+04 -.704169802475D+06 .264518973902D+07 -.392548376010D+05  
207 .146879491449D+09 .278128845721D+08 -.169982124845D+04 -.704169802475D+06 .264518973902D+07 -.392548376010D+05  
208 0 .169127611466D+05 .167132427393D+05 .167132360192D+05 .388910710295D+06 .914457728515D+05  
208 -.128151300739D+09 -.757072915273D+08 .102491975353D+06 .128423874072D+07 -.219786619801D+07 .315710888111D+04  
208 .146536910136D+09 .294682768965D+08 -.198464913658D+04 -.738291646057D+06 .263996328047D+07 -.402320649866D+05  
208 .146541866480D+09 .294505288262D+08 -.171378129176D+04 -.736767328824D+06 .264206358653D+07 -.403801603154D+05  
209 0 .169134640106D+05 .167138943677D+05 .167138943677D+05 .374777270546D+06 .880151371735D+05  
209 -.127239392168D+09 -.772465764254D+08 .104690619302D+06 .131057235824D+07 -.218210241083D+07 .309965907142D+04  
209 .146181887180D+09 .311030816702D+08 -.173123127988D+04 -.769752691698D+06 .263845912429D+07 -.415099875430D+05  
209 .146181887180D+09 .311030816702D+08 -.173123127988D+04 -.769752691698D+06 .263845912429D+07 -.415099875430D+05  
210 0 .169141668747D+05 .167145419446D+05 .167145419446D+05 .363534655378D+06 .848363244196D+05  
210 -.126309045233D+09 -.787746704831D+08 .106848475263D+06 .133670439475D+07 -.216602305700D+07 .304105040513D+04  
210 .145809623458D+09 .327249982240D+08 -.175135503985D+04 -.802213511862D+06 .263447080292D+07 -.426081017973D+05  
210 .145809623458D+09 .327249982240D+08 -.175135503985D+04 -.802213511862D+06 .263447080292D+07 -.426081017973D+05  
211 0 .169148697387D+05 .167151968775D+05 .167151968775D+05 .353655837485D+06 .818075164466D+05  
211 -.125360402934D+09 -.802913528498D+08 .108964742107D+06 .136263110336D+07 -.214963085208D+07 .298131903129D+04  
211 .145414838902D+09 .343615033660D+08 -.177439828510D+04 -.835051700001D+06 .262998647439D+07 -.437004884835D+05  
211 .145414838902D+09 .343615033660D+08 -.177439828510D+04 -.835051700001D+06 .262998647439D+07 -.437004884835D+05  
212 0 .169155726028D+05 .167158414776D+05 .167158414776D+05 .345597216197D+06 .789973039064D+05  
212 -.124393610908D+09 -.817964046073D+08 .111038640825D+06 .138834872746D+07 -.213292857468D+07 .292049206248D+04  
212 .145008358986D+09 .359682220548D+08 -.179948623386D+04 -.867374158400D+06 .262512981591D+07 -.447535321307D+05  
212 .145008358986D+09 .359682220543D+08 -.179948622473D+04 -.867374158341D+06 .262512981600D+07 -.447535321371D+05  
213 0 .169162754668D+05 .167164935656D+05 .167164935656D+05 .339259562719D+06 .763141334663D+05  
213 -.123408817434D+09 -.832896088067D+08 .113069408943D+06 .141385351027D+07 -.211591904852D+07 .285858984478D+04  
213 .144579103360D+09 .375893956482D+08 -.182713175964D+04 -.900068852724D+06 .261977247841D+07 -.457928180579D+05  
213 .144579103360D+09 .375893956482D+08 -.182713175940D+04 -.900068852722D+06 .261977247841D+07 -.457928180581D+05  
214 0 .169169783308D+05 .167171443893D+05 .167171443893D+05 .334812362113D+06 .737834184134D+05  
214 -.122406173426D+09 -.847707504959D+08 .115056296643D+06 .143914170694D+07 -.209860513014D+07 .279562844441D+04  
214 .144132612481D+09 .392030002837D+08 -.185692247635D+04 -.932692198807D+06 .261398554533D+07 -.468009247027D+05  
214 .144132612481D+09 .392030002831D+08 -.185692246628D+04 -.932692198738D+06 .261398554543D+07 -.468009247108D+05  
215 0 .169176811949D+05 .167177856970D+05 .167177856970D+05 .332245531664D+06 .714211927201D+05  
215 -.121385832427D+09 -.862396167402D+08 .116998564557D+06 .146420959594D+07 -.208098970170D+07 .273162184288D+04  
215 .143675030849D+09 .407884864478D+08 -.188844986065D+04 -.964827209259D+06 .260786062053D+07 -.477633008859D+05  
215 .143675030849D+09 .407884864478D+08 -.188844986065D+04 -.964827209259D+06 .260786062053D+07 -.477633008859D+05  
216 0 .169183840589D+05 .167184347165D+05 .167184347165D+05 .331388172574D+06 .691513368775D+05  
216 -.120347950580D+09 -.876959966378D+08 .118895482928D+06 .148905348871D+07 -.206307566744D+07 .266658365327D+04  
216 .143194177882D+09 .423882636236D+08 -.192267192726D+04 -.997334816396D+06 .260124372792D+07 -.487038953292D+05  
216 .143194177882D+09 .423882636233D+08 -.192267192193D+04 -.997334816358D+06 .260124372798D+07 -.487038953341D+05  
217 0 .169190869230D+05 .167190745966D+05 .167190745966D+05 .332102386293D+06 .670212717680D+05  
217 -.119292686607D+09 -.891396813363D+08 .120746331814D+06 .151366973701D+07 -.204486595256D+07 .260052836340D+04  
217 .142702634084D+09 .439606129600D+08 -.195890315042D+04 -.102936991043D+07 .259431679155D+07 -.495966922829D+05  
217 .142702634089D+09 .439606129467D+08 -.195890289576D+04 -.102936990853D+07 .259431679456D+07 -.495966925339D+05  
218 0 .169197897870D+05 .167197224121D+05 .167197224121D+05 .334198187549D+06 .649634073749D+05  
218 -.118220201781D+09 -.905704640462D+08 .122550402028D+06 .153805473821D+07 -.202636350322D+07 .253347219183D+04  
218 .142187370712D+09 .455473052849D+08 -.199839749988D+04 -.106178737917D+07 .258690481600D+07 -.504640795337D+05

191 -.140707258089D+09 -.480494330489D+08 .598061267186D+05 .809533169913D+06 -.241531748931D+07 .391490864928D+04  
191 .149167051370D+09 .738597966904D+07 -.380469378096D+05 -.256371778918D+06 .251465528690D+07 -.523089612989D+04  
191 .149783284690D+09 .476586013863D+06 -.880693836155D+03 -.172762708801D+06 .265342296598D+07 -.239783785473D+05  
192 0 .169015153219D+05 .167048893758D+05 .167025289757D+05 .355904135864D+06 .173708458889D+06  
192 -.140128018790D+09 -.497435657336D+08 .625464031711D+05 .838680732694D+06 -.240526532820D+07 .388298761744D+04  
192 .149142384451D+09 .829275403600D+07 -.361582469319D+05 -.279401738607D+06 .251635373728D+07 -.624561104340D+04  
192 .149748804822D+09 .223102432759D+07 -.119716078133D+04 -.206367952780D+06 .265387454623D+07 -.245957308718D+05  
193 0 .169022181860D+05 .167054483462D+05 .167032026380D+05 .387597986864D+06 .167951510358D+06  
193 -.139528338574D+09 -.514305091743D+08 .652636405726D+05 .867696985743D+06 -.239486073784D+07 .384935965107D+04  
193 .149050614289D+09 .971917644323D+07 -.354617078990D+05 -.306230958542D+06 .251426984073D+07 -.639146907439D+04  
193 .149694986145D+09 .395470413399D+07 -.140538497539D+04 -.239387429928D+06 .265444674998D+07 -.252674446539D+05  
194 0 .169029210500D+05 .167059335117D+05 .167038852284D+05 .416925054186D+06 .161963606568D+06  
194 -.138908311272D+09 -.531100162978D+08 .679566520351D+05 .896577546782D+06 -.238410554270D+07 .381406052216D+04  
194 .148971117932D+09 .109598435592D+08 -.341608578553D+05 -.332644512005D+06 .251391054529D+07 -.702785664185D+04  
194 .149620228379D+09 .570051336549D+07 -.154341725603D+04 -.272864107257D+06 .265505909531D+07 -.260086042509D+05  
195 0 .169036239140D+05 .167063470213D+05 .167045666558D+05 .443065323578D+06 .155920644251D+06  
195 -.138268033796D+09 -.547818413392D+08 .706242746984D+05 .925318044474D+06 -.237300164075D+07 .377712269999D+04  
195 .148908022321D+09 .120197715209D+08 -.321724113197D+05 -.359130644028D+06 .251599058453D+07 -.828228636921D+04  
195 .149525240637D+09 .744251147375D+07 -.162924565158D+04 -.306320461885D+06 .265563354380D+07 -.268055466514D+05  
196 0 .169043267781D+05 .167068595738D+05 .167052369425D+05 .465703635844D+06 .149980742788D+06  
196 -.137607606125D+09 -.564457398927D+08 .732653671413D+05 .953914115947D+06 -.236155099960D+07 .373857459920D+04  
196 .148800063896D+09 .133278228275D+08 -.308973992106D+05 -.386941676734D+06 .251557341777D+07 -.901546131457D+04  
196 .149411930345D+09 .915506592201D+07 -.167795048131D+04 -.339275848000D+06 .265610989953D+07 -.276420689724D+05  
197 0 .169050296421D+05 .167071508106D+05 .167059162129D+05 .484564796158D+06 .144020525182D+06  
197 -.136927131302D+09 -.581014689580D+08 .758788063002D+05 .982361404865D+06 -.234975565021D+07 .369843995252D+04  
197 .148774759699D+09 .140773718197D+08 -.269793323054D+05 -.415958464675D+06 .252651237898D+07 -.121695592650D+05  
197 .149276974411D+09 .108894285237D+08 -.170241718448D+04 -.372725962841D+06 .265645810481D+07 -.285402084223D+05  
198 0 .169057325062D+05 .167076242081D+05 .167065843488D+05 .498489501264D+06 .138260242541D+06  
198 -.136226715430D+09 -.597487869817D+08 .784634840378D+05 .101065556077D+07 -.233761767761D+07 .365673747394D+04  
198 .148669564444D+09 .152841345454D+08 -.246527881838D+05 -.446219553732D+06 .253185770837D+07 -.141103054538D+05  
198 .149124460815D+09 .125940568144D+08 -.171037813952D+04 -.405683831730D+06 .265662924412D+07 -.294702752193D+05  
199 0 .169064353702D+05 .167072611109D+05 .167072611109D+05 .501920646526D+06 .132565614327D+06  
199 -.135506467668D+09 -.613874538915D+08 .810183036476D+05 .103879224080D+07 -.232513920811D+07 .361348106865D+04  
199 .148949997145D+09 .143191807357D+08 -.170859146009D+04 -.439126219986D+06 .265659250083D+07 -.304563645104D+05  
199 .148949997146D+09 .143191807322D+08 -.170859142005D+04 -.439126219813D+06 .265659250102D+07 -.304563645222D+05  
200 0 .169071382342D+05 .167079364525D+05 .167079364525D+05 .493397597561D+06 .127053388916D+06  
200 -.134766500223D+09 -.630172311193D+08 .835421767966D+05 .106676711549D+07 -.231232239324D+07 .356868092537D+04  
200 .148755870327D+09 .160389655152D+08 -.170175964252D+04 -.472558646018D+06 .265630990144D+07 -.314809950816D+05  
200 .148755870327D+09 .160389655152D+08 -.170175964252D+04 -.472558646018D+06 .265630990144D+07 -.314809950816D+05  
201 0 .169078410983D+05 .167086005202D+05 .167086005202D+05 .483125669652D+06 .121822481953D+06  
201 -.134006928336D+09 -.646378816130D+08 .860340216433D+05 .109457588033D+07 -.229916939211D+07 .352234581856D+04  
201 .148545498433D+09 .177281655557D+08 -.169356280262D+04 -.505491482670D+06 .265575971623D+07 -.325241854868D+05  
201 .148545498433D+09 .177281655555D+08 -.169356280093D+04 -.505491482663D+06 .265575971624D+07 -.325241854874D+05  
202 0 .169085439623D+05 .167092725930D+05 .167092725930D+05 .471136240493D+06 .116737604673D+06  
202 -.133227870261D+09 -.662491698358D+08 .884927630424D+05 .112221427415D+07 -.228568235617D+07 .347448672512D+04  
202 .148312949417D+09 .194356272172D+08 -.168620470161D+04 -.538879111640D+06 .265489653747D+07 -.336115582916D+05  
202 .148312949417D+09 .194356272172D+08 -.168620470161D+04 -.538879111640D+06 .265489653747D+07 -.336115582916D+05  
203 0 .169092468264D+05 .167099037647D+05 .167099332671D+05 .454932557390D+06 .111956712352D+06  
203 -.132429447223D+09 -.678508617583D+08 .909173356475D+05 .114967810288D+07 -.227186342229D+07 .342512132473D+04  
203 .148081914555D+09 .210334833201D+08 -.652105591691D+03 -.566628533071D+06 .265974012266D+07 -.350635646037D+05  
203 .148065121219D+09 .211118637743D+08 -.168145997271D+04 -.571754893342D+06 .265371831304D+07 -.347067078917D+05  
204 0 .169099496904D+05 .167106016070D+05 .167106016070D+05 .444080483109D+06 .107348297243D+06  
204 -.131611783367D+09 -.694427248492D+08 .933066901615D+05 .117696326344D+07 -.225771472039D+07 .337427819757D+04  
204 .147795065694D+09 .228050529574D+08 -.168012530741D+04 -.605063683192D+06 .265216621171D+07 -.358357467955D+05  
204 .147795065694D+09 .228050529574D+08 -.168012530741D+04 -.605063683192D+06 .265216621171D+07 -.358357467955D+05

177 .1482649299160+09 -.2261953118530+08 -.3719563416810+04 .2483178694220+06 .2587921966430+07 -.1584518080400+05  
177 .1482649294340+09 -.2261953620540+08 -.3719532680090+04 .2483179798980+06 .2587922013030+07 -.1584518374480+05  
178 0 .1689167522530+05 .1669355835510+05 .1669355835510+05 .1189757978860+06 .2834691781450+06  
178 -.1463402257690+09 -.2548595851720+08 .2267653328640+05 .4206956196870+06 -.2513231387420+07 .4156412090620+04  
178 .1485304729150+09 -.2058582316920+08 -.5387230048110+04 .2094582176080+06 .2587200263490+07 -.1584501428260+05  
178 .1485304729130+09 -.2058582319500+08 -.5387229890100+04 .2094582181710+06 .2587200263750+07 -.1584501429940+05  
179 0 .1689237808940+05 .1669490230890+05 .1669435303770+05 .1193628172890+06 .2814185660180+06  
179 -.1460338339760+09 -.2725056859500+08 .2559566571660+05 .4511417971330+06 -.2507892829750+07 .4150273645440+04  
179 .1488518022530+09 -.1714849242440+08 -.1518182600980+05 .1434997103470+06 .2569513361450+07 -.1445792184310+05  
179 .1487656042250+09 -.1856413784720+08 -.6846445031340+04 .1712995768750+06 .2585037285400+07 -.1579805740900+05  
180 0 .1689308095340+05 .1669650963390+05 .1669518378910+05 .1073323536900+06 .2813736351670+06  
180 -.1457060677230+09 -.2901129652850+08 .2850970516760+05 .4815157518660+06 -.2502184829720+07 .4141932462850+04  
180 .1491136792810+09 -.1304882227250+08 -.2641449562760+05 .7547894056740+05 .2544049636760+07 -.1169769122190+05  
180 .1489795786610+09 -.1644484249810+08 -.8014043668080+04 .1316405052370+06 .2580475611890+07 -.1571881828770+05  
181 0 .1689378381750+05 .1669817617450+05 .1669607733360+05 .8150863858880+05 .2856392621760+06  
181 -.1453569794410+09 -.3076788296120+08 .3141711488400+05 .5118127510360+06 -.2496108285030+07 .4131420920200+04  
181 .1492681473700+09 -.8819166421910+07 -.3501048898440+05 .1416687737240+05 .2523963671200+07 -.9218582993080+04  
181 .1491683694950+09 -.1415711503010+08 -.8295055017390+04 .8933263851080+05 .2570732875850+07 -.1573188113040+05  
182 0 .1689448668150+05 .1669944946950+05 .1669720992300+05 .4487590466380+05 .3013374023340+06  
182 -.1449866248700+09 -.3252006919000+08 .3431638120780+05 .5420280968860+06 -.2489664157030+07 .4118772414040+04  
182 .1493293939200+09 -.5594749016160+07 -.3755084844730+05 -.3690772345560+05 .2514496371710+07 -.1122077562260+05  
182 .1493335773550+09 -.1124638557670+08 -.2964504697570+04 .3870535769100+05 .2547257785940+07 -.1771516668920+05  
183 0 .1689518954550+05 .1670028441620+05 .1669811792470+05 .1479523148310+05 .3247473180440+06  
183 -.1445950630430+09 -.3426759721050+08 .3720601437390+05 .5721571264810+06 -.2482853471790+07 .4104021570960+04  
183 .1493528354870+09 -.3480652560500+07 -.3358293340560+05 -.7564646626830+05 .2516745925170+07 -.4356163547470+05  
183 .1493929622940+09 -.8922073984480+07 .7187368147140+05 .1952204566910+05 .2530420139880+07 -.4309137165750+05  
184 0 .1689589240960+05 .1670078418550+05 .1669697596250+05 .3740059193340+05 .1293055155470+06  
184 -.1441823562590+09 -.3601020976230+08 .4008454942420+05 .6021952111410+06 -.2475677321280+07 .4087204377140+04  
184 .1493666243660+09 -.2207626922420+07 -.3873955780830+05 -.8072447330220+05 .2534071256850+07 -.1265908073550+05  
184 .1494283263840+09 -.1210128751260+08 .3120173244190+05 .1187656335010+06 .2738088781790+07 -.2871050281230+04  
185 0 .1689659527360+05 .1670120778690+05 .1669764766150+05 .8051185661860+05 .1736919764260+06  
185 -.1437485700550+09 -.3774765037610+08 .4295054718440+05 .6321377555650+06 -.2468136864750+07 .4068358220290+04  
185 .1493845264870+09 -.1119672394790+07 -.3995828982620+05 -.1013423821770+06 .2527375723840+07 -.6935377660820+04  
185 .1495563802900+09 -.1031665256110+08 .1395646231120+05 .4911061812600+05 .2685985447920+07 -.2152743907000+05  
186 0 .1689729813770+05 .1670172068820+05 .1669836987670+05 .1232601108990+06 .1888970719890+06  
186 -.1432937731900+09 -.3947966342170+08 .4580259523540+05 .6619801966040+06 -.2460233330230+07 .4047521836680+04  
186 .1493853067820+09 .1928500911560+06 -.4015643670450+05 -.1255663274890+06 .2524316222890+07 -.5825461116280+04  
186 .1496493804400+09 -.8438733994460+07 .6694021479170+04 .3346463107280+04 .2666425618120+07 -.2230166727610+05  
187 0 .1689800100170+05 .1670235506140+05 .1669908725340+05 .1655737925690+06 .1927514788140+06  
187 -.1428180376190+09 -.4120599415650+08 .4863930881350+05 .6917180016970+06 -.2451968016200+07 .4024735157430+04  
187 .1493581548450+09 .1811421638700+07 -.4040123577030+05 -.1532618467770+06 .2521185770980+07 -.5181722346660+04  
187 .1497184602010+09 -.6589789219290+07 .3247824231540+04 -.3538735178650+05 .2658427425470+07 -.2241012092180+05  
188 0 .1689870386570+05 .1670282498480+05 .1669979073960+05 .2072484750750+06 .1918641391660+06  
188 -.1423214384690+09 -.4292638877600+08 .5145933156600+05 .7213466670010+06 -.2443342293240+07 .4000039050820+04  
188 .1493432846840+09 .3014971206610+07 -.3952991667650+05 -.1771042645570+06 .2520615356830+07 -.5349462171000+04  
188 .1497655128200+09 -.4783116792360+07 .1391883913430+04 -.7127695806350+05 .2654993803510+07 -.2263241183080+05  
189 0 .1689940672980+05 .1670342398350+05 .1670047566780+05 .2468149012890+06 .1887497021050+06  
189 -.1418040540280+09 -.4464059446470+08 .5426133608910+05 .7508617152330+06 -.2434357605570+07 .3973474961590+04  
189 .1492924649040+09 .4543352979680+07 -.3926926363970+05 -.2039729677140+06 .2518303086730+07 -.5152449192370+04  
189 .1497914269040+09 -.3026931782820+07 .2955616776510+03 -.1054223248820+06 .2653623304660+07 -.2298169447440+05  
190 0 .1690010959380+05 .1670400752380+05 .1670116633020+05 .2856634644620+06 .1843454038070+06  
190 -.1412659657200+09 -.4634835944880+08 .5704402417740+05 .7802586933280+06 -.2425015472470+07 .3945084451580+04  
190 .1492306960960+09 .6032718640540+07 -.3879626978400+05 -.2307756163690+06 .2516199458950+07 -.5088917268130+04  
190 .1497973676290+09 -.1257510143160+07 -.4164192849570+03 -.1395010252640+06 .2653254587200+07 -.2344160901270+05  
191 0 .1690081245790+05 .1670453722730+05 .1670184354740+05 .3219651704640+06 .1792871852730+06

163 .141995530465D+09 -.493016962931D+08 .145302096012D+05 .746756398106D+06 .249491535825D+07 -.125105917698D+05  
164 0 .168818351287D+05 .167024061860D+05 .166827813856D+05 .607954960837D+06 .356807806381D+06  
164 -.148364113363D+09 -.520223842675D+06 -.178090695023D+05 -.104149050436D+05 -.254881737405D+07 .399099952554D+04  
164 .148721463031D+09 .156662613302D+07 -.502705256461D+05 -.729823745956D+05 .251733247886D+07 .257263347304D+04  
164 .142615065924D+09 -.474103311086D+08 .133182374042D+05 .712345567585D+06 .250569567274D+07 -.127889068498D+05  
165 0 .168825379928D+05 .166835495210D+05 .166835495210D+05 .589797040300D+06 .350540328888D+06  
165 -.148360562400D+09 -.231168536181D+07 -.149938298125D+05 .205315849703D+05 -.254871260644D+07 .401980337746D+04  
165 .143199432832D+09 -.455426976511D+08 .121034315768D+05 .678246759855D+06 .251574669293D+07 -.130632099390D+05  
165 .143199432832D+09 -.455426976513D+08 .121034315774D+05 .678246759858D+06 .251574669293D+07 -.130632099390D+05  
166 0 .168832408568D+05 .166843263888D+05 .166843263888D+05 .547603086683D+06 .344397054730D+06  
166 -.148335261488D+09 -.410294118566D+07 -.121593552014D+05 .514737012845D+05 -.254823197174D+07 .404575544199D+04  
166 .143765543727D+09 -.436456216861D+08 .108574787899D+05 .643493083581D+06 .252536461311D+07 -.133406633997D+05  
166 .143765543726D+09 -.436456216879D+08 .108574787997D+05 .643493083624D+06 .252536461311D+07 -.133406633997D+05  
167 0 .168839437209D+05 .166850892136D+05 .166850892136D+05 .503832171458D+06 .338521911849D+06  
167 -.148288215299D+09 -.589372711441D+07 -.930762854874D+04 .824068738363D+05 -.254737545235D+07 .406891819349D+04  
167 .144296973853D+09 -.417751806106D+08 .962397714954D+04 .609116040801D+06 .253427691105D+07 -.136125474924D+05  
167 .144296973850D+09 -.417751806212D+08 .962397720636D+04 .609116041049D+06 .253427691107D+07 -.136125474927D+05  
168 0 .168846465849D+05 .166858603866D+05 .166858603866D+05 .457810281320D+06 .332707893359D+06  
168 -.148219431761D+09 -.768377898804D+07 -.644058617715D+04 .113326416166D+06 -.254614317197D+07 .408936039310D+04  
168 .144809516408D+09 -.398769304179D+08 .837363907805D+04 .574117862638D+06 .254275473486D+07 -.138863598921D+05  
168 .144809516394D+09 -.398769304794D+08 .837363941356D+04 .574117864083D+06 .254275473507D+07 -.138863598961D+05  
169 0 .168853494490D+05 .166866172613D+05 .166866172613D+05 .411521340621D+06 .327097133592D+06  
169 -.148128922136D+09 -.947283277135D+07 -.356011590769D+04 .144227531878D+06 -.254453535606D+07 .410715035348D+04  
169 .145288324277D+09 -.380070473873D+08 .714861996243D+04 .539533560099D+06 .255055563044D+07 -.141536378981D+05  
169 .145288324277D+09 -.380070473873D+08 .714861996243D+04 .539533560099D+06 .255055563044D+07 -.141536378981D+05  
170 0 .168860523130D+05 .166873826619D+05 .166873826619D+05 .364261285062D+06 .321499478672D+06  
170 -.148016701086D+09 -.112606246142D+08 -.668059065794D+03 .175105340056D+06 -.254255230164D+07 .412235156428D+04  
170 .145748022353D+09 -.361095504990D+08 .591491751918D+04 .504321060339D+06 .255791452163D+07 -.144219086412D+05  
170 .145748022347D+09 -.361095505306D+08 .591491769738D+04 .504321061084D+06 .255791452177D+07 -.144219086460D+05  
171 0 .168867551770D+05 .166881459733D+05 .166881459733D+05 .317454258938D+06 .315985183541D+06  
171 -.147882786727D+09 -.130468908949D+08 .223378533564D+04 .205954906438D+06 -.254019435961D+07 .413502080239D+04  
171 .146181812701D+09 -.342109697137D+08 .468846491355D+04 .468954079976D+06 .256470365337D+07 -.146864571657D+05  
171 .146181812701D+09 -.342109697137D+08 .468846491355D+04 .468954079976D+06 .256470365337D+07 -.146864571657D+05  
172 0 .168874580411D+05 .166888967808D+05 .166888967808D+05 .272637954284D+06 .310635349815D+06  
172 -.147727200650D+09 -.148313682547D+08 .514365576474D+04 .236771271696D+06 -.253746192741D+07 .414520803531D+04  
172 .146584332116D+09 -.323376349730D+08 .347832748321D+04 .433897624449D+06 .257080597291D+07 -.149418343614D+05  
172 .146584332116D+09 -.323376349746D+08 .347832749214D+04 .433897624486D+06 .257080597292D+07 -.149418343618D+05  
173 0 .168881609051D+05 .166896597070D+05 .166896597070D+05 .229532865434D+06 .305305627295D+06  
173 -.147549967938D+09 -.166137936304D+08 .805982365681D+04 .267549473248D+06 -.253435544811D+07 .415295729823D+04  
173 .146968587072D+09 -.304283078355D+08 .222741883109D+04 .397959626764D+06 .257634322874D+07 -.151923393783D+05  
173 .146968587072D+09 -.304283078355D+08 .222741883109D+04 .397959626764D+06 .257634322874D+07 -.151923393783D+05  
174 0 .168888637692D+05 .166904146873D+05 .166904146873D+05 .190896845270D+06 .300200274990D+06  
174 -.147351117155D+09 -.183939042871D+08 .109805896713D+05 .298284560422D+06 -.253087541276D+07 .415830793163D+04  
174 .147323963089D+09 -.285332741348D+08 .938186659276D+03 .362024866939D+06 .258102366100D+07 -.154231723802D+05  
174 .147323963078D+09 -.285332742163D+08 .938187146254D+03 .362024868829D+06 .258102366161D+07 -.154231724115D+05  
175 0 .168895666332D+05 .166911885490D+05 .166911885490D+05 .157695687177D+06 .295249674901D+06  
175 -.147130680339D+09 -.201714378525D+08 .139042808356D+05 .328971604222D+06 -.252702236362D+07 .416129582792D+04  
175 .147662112583D+09 -.265851348275D+08 -.479946063237D+03 .324759534641D+06 .258475856377D+07 -.156265128269D+05  
175 .147662112583D+09 -.265851348275D+08 -.479946063237D+03 .324759534641D+06 .258475856377D+07 -.156265128269D+05  
176 0 .168902694972D+05 .166919734397D+05 .166919734367D+05 .133338785917D+06 .290671670644D+06  
176 -.146888692983D+09 -.219461323544D+08 .168292485185D+05 .359605703307D+06 -.252279689737D+07 .416195453143D+04  
176 .147977626244D+09 -.246034357145D+08 -.205199192517D+04 .286569732835D+06 .258713951740D+07 -.157745709013D+05  
176 .147977625392D+09 -.246034434090D+08 -.205194500950D+04 .286569904991D+06 .258713958531D+07 -.157745749338D+05  
177 0 .168909723613D+05 .166927570496D+05 .166927570477D+05 .120396634426D+06 .286708713697D+06  
177 -.146625194014D+09 -.237177262601D+08 .197538671115D+05 .390181987479D+06 -.251819966773D+07 .416031615016D+04



150 0 .168719950322D+05 .166715473755D+05 .166715473738D+05 .653341286465D+06 .474487211923D+06  
150 -.146135106169D+09 .244346707402D+08 -.540492910883D+05 -.441546297208D+06 -.251114589603D+07 .327759169586D+04  
150 .131354296453D+09 -.736033354751D+08 .297273133633D+05 .118155230781D+07 .230302068615D+07 -.913158257533D+04  
150 .131354294465D+09 -.736033393503D+08 .297273287287D+05 .118155238947D+07 .230302066289D+07 -.913158182987D+04  
151 0 .168726978962D+05 .166724156364D+05 .166724156256D+05 .690293537403D+06 .464864081455D+06  
151 -.146434736244D+09 .226678631962D+08 -.517206606643D+05 -.411025893849D+06 -.251623458961D+07 .334826885602D+04  
151 .132399394547D+09 -.716617317327D+08 .282251841677D+05 .114681719599D+07 .232165336075D+07 -.938644153062D+04  
151 .132399382139D+09 -.716617568514D+08 .282252857224D+05 .114681772808D+07 .232165322234D+07 -.938643687460D+04  
152 0 .168734007602D+05 .166732637614D+05 .166732637614D+05 .721157369355D+06 .455216571539D+06  
152 -.146712892900D+09 .208976071746D+08 -.493434654515D+05 -.380444561715D+06 -.252095820881D+07 .341580801845D+04  
152 .133393002769D+09 -.697510882576D+08 .268620639764D+05 .111272747710D+07 .233949728628D+07 -.963758974602D+04  
152 .133393002769D+09 -.697510882576D+08 .268620639764D+05 .111272747710D+07 .233949728628D+07 -.963758974602D+04  
153 0 .168741036243D+05 .166741948390D+05 .166740859972D+05 .745478970405D+06 .445737823612D+06  
153 -.146969534881D+09 .191241596700D+08 -.469199030118D+05 -.349806780917D+06 -.252531564161D+07 .348023254891D+04  
153 .134447503444D+09 -.676290518079D+08 .245435315003D+05 .107401212416D+07 .235758319852D+07 -.992736910459D+04  
153 .134330307298D+09 -.678855931027D+08 .256217453832D+05 .107950457567D+07 .235643209691D+07 -.988447977840D+04  
154 0 .168748064883D+05 .167028563192D+05 .166749057557D+05 .741629143565D+06 .436264283445D+06  
154 -.147204624113D+09 .173477784331D+08 -.444521523027D+05 -.319117120082D+06 -.252930584852D+07 .354157170843D+04  
154 .148578739509D+09 .260965549493D+07 -.471254463165D+05 -.835583629092D+05 .252061564598D+07 .292576791323D+04  
154 .135239075381D+09 -.660129191760D+08 .244470655010D+05 .104618926076D+07 .237292861183D+07 -.101348957251D+05  
155 0 .168755093524D+05 .167021989236D+05 .166757056738D+05 .735414253871D+06 .427085958154D+06  
155 -.147418125761D+09 .155687219206D+08 -.419423702429D+05 -.288380234052D+06 -.253292785888D+07 .359985855081D+04  
155 .148633705199D+09 .960512999024D+06 -.491926517958D+05 -.565013577606D+05 .252002528640D+07 .281070522332D+04  
155 .136100855013D+09 -.641733752991D+08 .233431074587D+05 .101347320240D+07 .238862221643D+07 -.103839728429D+05  
156 0 .168762122164D+05 .167027684762D+05 .166765084452D+05 .719128614549D+06 .418018389987D+06  
156 -.147610008294D+09 .137872492493D+08 -.393926899369D+05 -.257600858413D+06 -.253618076323D+07 .365512729944D+04  
156 .1486603938819D+09 .240392291774D+07 -.477579532576D+05 -.811609949534D+05 .252005779705D+07 .287604679764D+04  
156 .136940651343D+09 -.623153089564D+08 .222603405502D+05 .980413101769D+06 .240393946782D+07 -.106390016004D+05  
157 0 .168769150804D+05 .167020037363D+05 .166773056965D+05 .713127058173D+06 .4092220928521D+06  
157 -.147780243532D+09 .120036201570D+08 -.368052209281D+05 -.226783798796D+06 -.253906370112D+07 .370741020807D+04  
157 .148663881207D+09 .485405180003D+06 -.500879144844D+05 -.497777662725D+05 .251931543699D+07 .273205870141D+04  
157 .137749602458D+09 -.604583348639D+08 .211942506640D+05 .947338674160D+06 .241869177890D+07 -.108974628623D+05  
158 0 .168776179445D+05 .167024456972D+05 .166780885619D+05 .695610185486D+06 .400833859237D+06  
158 -.147928806693D+09 .102180949739D+08 -.341820517878D+05 -.195933912147D+06 -.254157584480D+07 .375673411686D+04  
158 .148647891476D+09 .160749199077D+07 -.490493815541D+05 -.690707681905D+05 .251934132077D+07 .278001139690D+04  
158 .138519436359D+09 -.586237369971D+08 .201428346434D+05 .914593567309D+06 .243270369605D+07 -.111562631279D+05  
159 0 .168783208085D+05 .167031020138D+05 .166788788129D+05 .683366887486D+06 .392656447294D+06  
159 -.148055676418D+09 .843093460565D+07 -.315252550730D+05 -.165056077416D+06 -.254371638158D+07 .380311729709D+04  
159 .148603664504D+09 .326985436195D+07 -.473948324771D+05 -.973709012981D+05 .251925691537D+07 .286169107892D+04  
159 .139271695274D+09 -.567608791654D+08 .190656203058D+05 .881268743486D+06 .244634536114D+07 -.114223208623D+05  
160 0 .168790236726D+05 .167024581148D+05 .166796563639D+05 .668575982099D+06 .384914606210D+06  
160 -.148160834775D+09 .664240052777D+07 -.288368940932D+05 -.134155155265D+06 -.254548450102D+07 .384656768332D+04  
160 .148668605273D+09 .165693257283D+07 -.493905514459D+05 -.712374764907D+05 .251873401191D+07 .272699138746D+04  
160 .139987331718D+09 -.549174821534D+08 .179817317343D+05 .848196482709D+06 .245925317276D+07 -.116884475327D+05  
161 0 .168797265366D+05 .167018121043D+05 .166804427644D+05 .659332569728D+06 .377398686076D+06  
161 -.148244267228D+09 .485275478484D+07 -.261190300124D+05 -.103235941791D+06 -.254687939614D+07 .388708392954D+04  
161 .148718060263D+09 .397799793792D+05 -.512817173511D+05 -.452639817354D+05 .251791475199D+07 .257167203159D+04  
161 .140686197918D+09 -.530428355829D+08 .168557163003D+05 .814453803968D+06 .247177081257D+07 -.119614396459D+05  
162 0 .168804294007D+05 .167023717718D+05 .166812167529D+05 .639690145089D+06 .370304514191D+06  
162 -.148305962577D+09 .306225998101D+07 -.233737268781D+05 -.723031290730D+05 -.254790028748D+07 .392466033563D+04  
162 .148698156124D+09 .145895679072D+07 -.499948678892D+05 -.694798404582D+05 .251802478964D+07 .264515810247D+04  
162 .141349422726D+09 -.511880159948D+08 .157156545981D+05 .780951103355D+06 .248355037905D+07 -.122332242373D+05  
163 0 .168811322647D+05 .167018709992D+05 .166819999213D+05 .626862606249D+06 .363415937617D+06  
163 -.148345912876D+09 .127117924507D+07 -.206030519100D+05 -.413612905996D+05 -.254854647054D+07 .395929514546D+04  
163 .148740884488D+09 .208597877177D+06 -.514579193511D+05 -.497646565442D+05 .251729339033D+07 .250207801060D+04

136 -.139715723896D+09 .486661730237D+08 -.803298788553D+05 -.860129799728D+06 -.240234618656D+07 .196861927193D+04  
136 .124432697962D+09 -.841591214744D+08 -.171802848202D+04 .135402088174D+07 .214182360561D+07 -.705013259547D+04  
136 .109555603599D+09 -.103905403773D+09 .606750279329D+05 .173711306977D+07 .193250611869D+07 -.419869765663D+04  
137 4 .168628577996D+05 .166652982507D+05 .166576554243D+05 .231232798027D+06 .538703972625D+06  
137 -.140310013564D+09 .469740958922D+08 -.789068605610D+05 -.830885448076D+06 -.241239513869D+07 .208009524343D+04  
137 .122801932437D+09 -.867777335183D+08 .111046031991D+05 .140115451345D+07 .212588984653D+07 -.731317887902D+04  
137 .110918779525D+09 -.102438396146D+09 .594751364403D+05 .171325492154D+07 .195764880836D+07 -.418840516369D+04  
138 4 .168635606637D+05 .166645595853D+05 .166583935420D+05 .200065100016D+06 .528200307603D+06  
138 -.140883707765D+09 .452750763202D+08 -.774063306855D+05 -.801526081784D+06 -.242210037913D+07 .218918622867D+04  
138 .121790313643D+09 -.883882397922D+08 .208753650479D+05 .143291602969D+07 .211843981329D+07 -.729339881865D+04  
138 .112165015596D+09 -.101061888795D+09 .581253450681D+05 .169213095948D+07 .198102674377D+07 -.402000455666D+04  
139 4 .168642635277D+05 .166635276037D+05 .166588071134D+05 .169555151853D+06 .516167221855D+06  
139 -.141436726853D+09 .435693564977D+08 -.758300092780D+05 -.772055106207D+06 -.243146018900D+07 .229576890481D+04  
139 .120318132185D+09 -.906192314956D+08 .326860180740D+05 .148022335671D+07 .210495996433D+07 -.681288855433D+04  
139 .112847981839D+09 -.100314068368D+09 .576040865340D+05 .168589768515D+07 .199446115705D+07 -.334692862850D+04  
140 4 .168649663917D+05 .166621478319D+05 .166585764044D+05 .144968710805D+06 .505829533454D+06  
140 -.141968993591D+09 .418571798204D+08 -.741796999249D+05 -.742475982814D+06 -.244047285530D+07 .239972898764D+04  
140 .118251104437D+09 -.935668023496D+08 .454812140638D+05 .154782700571D+07 .208033594808D+07 -.540449461698D+04  
140 .112435151352D+09 -.100838166954D+09 .585044207422D+05 .170857232821D+07 .198606228355D+07 -.178377654164D+04  
141 4 .168656692558D+05 .166611486647D+05 .166583562499D+05 .136362483265D+06 .507887182231D+06  
141 -.142480433201D+09 .401387908846D+08 -.724572831153D+05 -.712792233800D+06 -.244913667666D+07 .250096201604D+04  
141 .116689895743D+09 -.956955786075D+08 .542268607603D+05 .160092120879D+07 .205573915418D+07 -.381453280186D+04  
141 .112041766968D+09 -.101325050457D+09 .601789733104D+05 .172705045864D+07 .197294141976D+07 -.478208292822D+03  
142 4 .168663721198D+05 .166610195826D+05 .166610195826D+05 .152770149535D+06 .525604381919D+06  
142 -.142970973400D+09 .384144354765D+08 -.706647090986D+05 -.683007446244D+06 -.245744996929D+07 .259937401244D+04  
142 .116491120431D+09 -.960261643510D+08 .593280546173D+05 .161168252292D+07 .205004986938D+07 -.350046097373D+04  
142 .116491120431D+09 -.960261643510D+08 .593280546173D+05 .161168252292D+07 .205004986938D+07 -.350046097373D+04  
143 4 .168670749839D+05 .166638715642D+05 .166638715642D+05 .232425067580D+06 .528167379226D+06  
143 -.143440544451D+09 .366843605578D+08 -.688039903223D+05 -.653125275873D+06 -.246541107310D+07 .269488201812D+04  
143 .120922445023D+09 -.901399957839D+08 .498678715077D+05 .148850638603D+07 .212500515964D+07 -.620766814697D+04  
143 .120922445023D+09 -.901399957839D+08 .498678715077D+05 .148850638603D+07 .212500515964D+07 -.620766814697D+04  
144 4 .168677778479D+05 .166655252885D+05 .166655252885D+05 .312404526540D+06 .524255151226D+06  
144 -.143889079213D+09 .349488142469D+08 -.668771935381D+05 -.623149450482D+06 -.247301835793D+07 .278741449788D+04  
144 .123347183019D+09 -.866623350555D+08 .439006912153D+05 .142036923492D+07 .216498194404D+07 -.714299861346D+04  
144 .123347183019D+09 -.866623350555D+08 .439006912153D+05 .142036923492D+07 .216498194404D+07 -.714299861346D+04  
145 4 .168684807119D+05 .166665596238D+05 .166665596238D+05 .381011733372D+06 .517949516568D+06  
145 -.144316513192D+09 .332080457953D+08 -.648864316730D+05 -.593083773031D+06 -.248027022977D+07 .287691160619D+04  
145 .124818735304D+09 -.844788972899D+08 .416852282267D+05 .138014186047D+07 .219032121332D+07 -.752863910408D+04  
145 .124818735304D+09 -.844788972899D+08 .416852282267D+05 .138014186047D+07 .219032121332D+07 -.752863910408D+04  
146 4 .168691835760D+05 .166679542754D+05 .166679542754D+05 .450406734775D+06 .510487729637D+06  
146 -.144722784591D+09 .314623055605D+08 -.628338555632D+05 -.562932124440D+06 -.248716513698D+07 .296332530543D+04  
146 .126729774842D+09 -.814694335651D+08 .363553059782D+05 .132287230375D+07 .222148444415D+07 -.808093073918D+04  
146 .126729774842D+09 -.814694335651D+08 .363553059782D+05 .132287230375D+07 .222148444415D+07 -.808093073918D+04  
147 4 .168698864400D+05 .166686403541D+05 .166686403541D+05 .506836583979D+06 .502056718232D+06  
147 -.145107834371D+09 .297118449737D+08 -.607216456605D+05 -.532698466079D+06 -.249370157622D+07 .304661932771D+04  
147 .127657272860D+09 -.800066247544D+08 .365837357110D+05 .129802503542D+07 .223905355325D+07 -.823337674979D+04  
147 .127657272860D+09 -.800066247544D+08 .365837357110D+05 .129802503542D+07 .223905355325D+07 -.823337674979D+04  
148 0 .168705893041D+05 .166697382982D+05 .166697382981D+05 .562162366175D+06 .493177807221D+06  
148 -.145471606308D+09 .279569165043D+08 -.585520038222D+05 -.502386841974D+06 -.249987809824D+07 .312676897131D+04  
148 .129087289830D+09 -.776016339039D+08 .332764512035D+05 .125350905996D+07 .226312349290D+07 -.859823454006D+04  
148 .129087289696D+09 -.776016341455D+08 .332764521212D+05 .125350906501D+07 .226312349120D+07 -.859823448886D+04  
149 0 .168712921681D+05 .166706640004D+05 .166706640004D+05 .610924727189D+06 .483888538240D+06  
149 -.145814047048D+09 .261977736193D+08 -.563271453051D+05 -.472001380734D+06 -.250569331329D+07 .320376072335D+04  
149 .130262324975D+09 -.755636940082D+08 .313840413609D+05 .121674861530D+07 .228371219673D+07 -.887254606518D+04  
149 .130262324975D+09 -.755636940082D+08 .313840413609D+05 .121674861530D+07 .228371219673D+07 -.887254606518D+04

122 .128971811869D+09 -.757305310032D+08 -.541638281950D+05 .122808119307D+07 .218023973252D+07 -.365466813137D+04  
122 .751013250533D+08 -.131377134270D+09 .682374673853D+05 .225338744518D+07 .132606809881D+07 .335239295187D+04  
123 4 .168530177030D+05 .166698728202D+05 .166405390399D+05 .530855249981D+06 .534052017278D+06  
123 -.130156227092D+09 .699233884840D+08 -.911715070360D+05 -.122835164583D+07 -.224119676530D+07 .367326406926D+03  
123 .128413731292D+09 -.767517409178D+08 -.511243610163D+05 .124388127019D+07 .217220666492D+07 -.389342335219D+04  
123 .772781718013D+08 -.130101107004D+09 .690258492659D+05 .222964056187D+07 .136415034797D+07 .297964941247D+04  
124 4 .168537205671D+05 .166702245671D+05 .166413007726D+05 .517637743720D+06 .538336070449D+06  
124 -.131009959371D+09 .683430627484D+08 -.908676206320D+05 -.120089946758D+07 -.225556308899D+07 .496817791520D+03  
124 .128869968876D+09 -.759897919223D+08 -.511418029218D+05 .123030947361D+07 .218014210932D+07 -.391671767630D+04  
124 .789281853640D+08 -.129107937430D+09 .691028805512D+05 .221217673073D+07 .139197680947D+07 .283547499032D+04  
125 4 .168544234311D+05 .166689944168D+05 .166424948201D+05 .504291922704D+06 .542432489596D+06  
125 -.131844340934D+09 .667527527411D+08 -.904729232838D+05 -.117328977773D+07 -.226960647959D+07 .625737142890D+03  
125 .127352618927D+09 -.786624015554D+08 -.445353430158D+05 .127318585348D+07 .215761567636D+07 -.438534556708D+04  
125 .815109491288D+08 -.127476190818D+09 .702800724808D+05 .218111294514D+07 .143790137161D+07 .227719943007D+04  
126 4 .168551262951D+05 .166693915917D+05 .166440358666D+05 .484835539765D+06 .546566347129D+06  
126 -.132659262256D+09 .651526858984D+08 -.899878588351D+05 -.114552595516D+07 -.228332561798D+07 .753966288155D+03  
126 .127879251851D+09 -.778092913469D+08 -.446310484772D+05 .125800556989D+07 .216679173487D+07 -.441544874237D+04  
126 .848026459835D+08 -.125275195378D+09 .717305901627D+05 .213800007520D+07 .149719518027D+07 .138749135537D+04  
127 4 .168558291592D+05 .166694803372D+05 .166446143185D+05 .468097573003D+06 .550464540173D+06  
127 -.133454616178D+09 .635430906216D+08 -.894129545166D+05 -.111761134140D+07 -.229671908447D+07 .881384853563D+03  
127 .128015403757D+09 -.776227837056D+08 -.433116060596D+05 .125376531864D+07 .217003820519D+07 -.453708781984D+04  
127 .860012442505D+08 -.124465628164D+09 .714900209939D+05 .212501621112D+07 .151657467742D+07 .143787735056D+04  
128 4 .168565320232D+05 .166686314121D+05 .166461893488D+05 .451294410340D+06 .553870498231D+06  
128 -.134230297873D+09 .619241963363D+08 -.887488244825D+05 -.108954923387D+07 -.230978538728D+07 .100786536739D+04  
128 .126964953746D+09 -.794661723795D+08 -.373967273930D+05 .128292039931D+07 .215560743714D+07 -.493777140956D+04  
128 .892795867229D+08 -.122094240178D+09 .722966561578D+05 .207880498137D+07 .157539189879D+07 .537106307331D+03  
129 4 .168572348873D+05 .166685526709D+05 .166473695897D+05 .431536817795D+06 .557005479043D+06  
129 -.134986204815D+09 .602962335361D+08 -.879961753798D+05 -.106134288967D+07 -.232252298295D+07 .113327207264D+04  
129 .126891702700D+09 -.796449737450D+08 -.349129803717D+05 .128464710053D+07 .215612201272D+07 -.512972780224D+04  
129 .916844000292D+08 -.120276065641D+09 .723675560147D+05 .204467015178D+07 .161762097741D+07 .236719862557D+02  
130 4 .168579377513D+05 .166690629002D+05 .166489365763D+05 .412496005777D+06 .559478803058D+06  
130 -.135722236761D+09 .586594338137D+08 -.871558119326D+05 -.103299553481D+07 -.233493028956D+07 .125746185002D+04  
130 .127571149023D+09 -.785515138385D+08 -.353432342227D+05 .126533654608D+07 .216782782356D+07 -.516034316430D+04  
130 .948254746548D+08 -.117766127549D+09 .719367702537D+05 .199609517788D+07 .167336035696D+07 -.838368196840D+03  
131 4 .168586406154D+05 .166677178097D+05 .166501206527D+05 .391856642220D+06 .561040558415D+06  
131 -.136438295722D+09 .570140298849D+08 -.862286414781D+05 -.100451037572D+07 -.234700569482D+07 .138028613004D+04  
131 .125867968559D+09 -.814639829634D+08 -.256012856473D+05 .131236009651D+07 .214522921986D+07 -.573592579107D+04  
131 .971464273508D+08 -.115831176216D+09 .713122670849D+05 .196006459173D+07 .171399317376D+07 -.132793647105D+04  
132 4 .168593434794D+05 .166684844194D+05 .166518326606D+05 .368847397982D+06 .561555740949D+06  
132 -.137134285963D+09 .553602556078D+08 -.852156770177D+05 -.975890610996D+06 -.235874756117D+07 .150159313039D+04  
132 .126895260488D+09 -.798268521333D+08 -.273512813167D+05 .128391708603D+07 .216213306471D+07 -.572047479832D+04  
132 .100436640032D+09 -.112919724100D+09 .693538783122D+05 .190363694794D+07 .177198543780D+07 -.227681565772D+04  
133 4 .168600463434D+05 .166680427865D+05 .166528682134D+05 .344311425630D+06 .560515396874D+06  
133 -.137810113997D+09 .536983459992D+08 -.841180386880D+05 -.947139442734D+06 -.237015422928D+07 .162123007423D+04  
133 .126358161013D+09 -.807956757490D+08 -.219631340001D+05 .129887770521D+07 .215713106342D+07 -.605781449272D+04  
133 .102377397759D+09 -.111141679746D+09 .683540434418D+05 .187159893956D+07 .180595595446D+07 -.259711152521D+04  
134 4 .168607492075D+05 .166667526380D+05 .166546456496D+05 .318564212510D+06 .558132976171D+06  
134 -.138465688592D+09 .520285372495D+08 -.829369537295D+05 -.918260086849D+06 -.238122402098D+07 .173904523578D+04  
134 .124687631994D+09 -.835856407369D+08 -.106442246532D+05 .134502393035D+07 .213745387655D+07 -.659881967081D+04  
134 .105639160983D+09 -.107956049983D+09 .647710334556D+05 .181003577688D+07 .186304833520D+07 -.354456116705D+04  
135 4 .168614520715D+05 .166665081500D+05 .166556725265D+05 .290509106692D+06 .553565931582D+06  
135 -.139100920783D+09 .503510667341D+08 -.816737550947D+05 -.889255782372D+06 -.239195524225D+07 .185488976247D+04  
135 .124394176135D+09 -.841332983143D+08 -.546365955440D+04 .135383549869D+07 .213726609080D+07 -.685563093014D+04  
135 .107473725208D+09 -.106103088016D+09 .631933358892D+05 .177705725249D+07 .189555631014D+07 -.381879519289D+04  
136 4 .168621549356D+05 .166665092688D+05 .166568610281D+05 .262732853924D+06 .547263766085D+06

108 .4569263778200+08 -.1442423906200+09 .4088814668310+05 .2515850955930+07 .8021410132110+06 .1046170939210+05  
109 0 .1684317760640+05 .1662737619900+05 .1662737619900+05 .7172641837010+05 .3963343201200+06  
109 -.1162388923900+09 .9087393605150+08 -.8596781971980+05 -.1594353079910+07 -.2006716430110+07 -.1385702873390+04  
109 .4669469305820+08 -.1439082385380+09 .3599110067990+05 .2522654829700+07 .8104831123120+06 .1063279209160+05  
109 .4669469305820+08 -.1439082385380+09 .3599110067990+05 .2522654829700+07 .8104831123120+06 .1063279209160+05  
110 0 .1684388047050+05 .1662819167950+05 .1662804354270+05 .5796196027430+04 .3528500332560+06  
110 -.1173507700460+09 .8945687036940+08 -.8690127660060+05 -.1569443209550+07 -.2025494472730+07 -.1270896181650+04  
110 .4865756421620+08 -.1432111828810+09 .4810842800710+05 .2497865132370+07 .7701525906080+06 -.7822459674010+05  
110 .4829397601800+08 -.1433292453120+09 .5868496056670+05 .2439337728870+07 .8165830696920+06 -.5266709231000+05  
111 0 .1684458333450+05 .1662741088320+05 .1662732394210+05 .1052034010910+05 .3477659188330+06  
111 -.1184450674610+09 .8802671377900+08 -.8775328893740+05 -.1544329097640+07 -.2043966011400+07 -.1153945443870+04  
111 .4671383086250+08 -.1438407707140+09 .4574051838880+05 .2448175437430+07 .7601427964290+06 -.4773551929990+05  
111 .4650117371270+08 -.1439077748240+09 .4996118697110+05 .2445814010570+07 .7806287282370+06 -.4751205059750+05  
112 1 .1684528619860+05 .1662361815120+05 .1662361815120+05 .1687771846090+04 .3707989002350+06  
112 -.1195216424930+09 .8658368224630+08 -.8852237409030+05 -.1519014759330+07 -.2062129520830+07 -.1034919111890+04  
112 .3719765018880+08 -.1464085465450+09 .2245531301190+05 .2403246198180+07 .4359139521020+06 -.1154911319370+06  
112 .3719765018880+08 -.1464085465450+09 .2245531301190+05 .2403246198180+07 .4359139521020+06 -.1154911319370+06  
113 0 .1684598906260+05 .1662995343710+05 .1662970203050+05 .1801418251140+06 .4607787373660+06  
113 -.1205803557930+09 .8512799281130+08 -.8920709866770+05 -.1493504131080+07 -.2079983469460+07 -.9138900467300+03  
113 .5292104427810+08 -.1417951708400+09 .4739703984690+05 .2456294042770+07 .9205105107300+06 .8422616518130+04  
113 .5230292024280+08 -.1420248819940+09 .4525449972050+05 .2460992771010+07 .9068829846430+06 .8618318994690+04  
114 0 .1684669192660+05 .1663112940000+05 .1663107337690+05 .2595354422280+06 .4758299800570+06  
114 -.1216210707460+09 .8365986359400+08 -.8980608464730+05 -.1467801030780+07 -.2097526317560+07 -.7909449887720+03  
114 .5574208443100+08 -.1407183730120+09 .5248981458820+05 .2434022917280+07 .9762003331070+06 .7533103861200+04  
114 .5560568986000+08 -.1407729812990+09 .5206634865170+05 .2435199081680+07 .9732897357590+06 .7584314140450+04  
115 0 .1684739479070+05 .1663244867230+05 .1663220733660+05 .3431053831120+06 .4867408233390+06  
115 -.1226436533600+09 .8217951379590+08 -.9031802399430+05 -.1441909106590+07 -.2114756532580+07 -.6661992278130+03  
115 .5888165143030+08 -.1394323893390+09 .5749900951740+05 .2407595914810+07 .1036490998620+07 .6609132351360+04  
115 .5829994661160+08 -.1396810680510+09 .5587534689140+05 .2413086953980+07 .1024346593450+07 .6844736849640+04  
116 0 .1684809765470+05 .1663326604450+05 .1663326604450+05 .4161555646870+06 .4955153207270+06  
116 -.1236479721320+09 .8068716368220+08 -.9074170498000+05 -.1415831785990+07 -.2131672629100+07 -.5398145927690+03  
116 .6078971263450+08 -.1386155144400+09 .5857473077770+05 .2391961454720+07 .1070208223270+07 .6244421344000+04  
116 .6078971263450+08 -.1386155144400+09 .5857473077770+05 .2391961454720+07 .1070208223270+07 .6244421344000+04  
117 4 .1684880051880+05 .1663433535120+05 .1663433535120+05 .4913486079030+06 .5029364246770+06  
117 -.1246338978820+09 .7918303452730+08 -.9107605061520+05 -.1389572248830+07 -.2148273233360+07 -.4120144760290+03  
117 .6328297547440+08 -.1374923694990+09 .6092972351420+05 .2369947408940+07 .1115621268260+07 .5680196703810+04  
117 .6328297547440+08 -.1374923694990+09 .6092972351420+05 .2369947408940+07 .1115621268260+07 .5680196703810+04  
118 4 .1684950338280+05 .1663530134890+05 .1663530134890+05 .5610953112970+06 .5093775526430+06  
118 -.1256013035870+09 .7766734851170+08 -.9132016368820+05 -.1363133453450+07 -.2164557152660+07 -.2830858322660+03  
118 .6551116843850+08 -.1364428758990+09 .6242069711130+05 .2349895875240+07 .1155326204920+07 .5250640137700+04  
118 .6551116843850+08 -.1364428758990+09 .6242069711130+05 .2349895875240+07 .1155326204920+07 .5250640137700+04  
119 4 .1685020624690+05 .1667056569770+05 .1663603905390+05 .5825119005350+06 .5152803877800+06  
119 -.1265500642450+09 .7614032857760+08 -.9147336607930+05 -.1336518228330+07 -.2180523412400+07 -.1533602284880+03  
119 .1291929552180+09 -.7523338629190+08 -.5824852180600+05 .1222631976760+07 .2181998344250+07 .3299341793930+04  
119 .6718845043180+08 -.1356281828980+09 .6260011256080+05 .2335252896500+07 .1183767858450+07 .5066735755880+04  
120 4 .1685090911090+05 .1667058780870+05 .1663722847360+05 .5709241933430+06 .5203298735330+06  
120 -.1274800568390+09 .7460219828270+08 -.9153521782910+05 -.1309729404060+07 -.2196171225560+07 -.2317686353400+02  
120 .1292372918810+09 -.7518687128630+08 -.5729501316140+05 .1220995609310+07 .2183231818580+07 .3386238185860+04  
120 .6990052348900+08 -.1342403106550+09 .6487438882820+05 .2308366778330+07 .1232914499320+07 .4465059881940+04  
121 4 .1685161197490+05 .1667085609540+05 .1663856707430+05 .5612409828050+06 .5252191195860+06  
121 -.1283911603780+09 .7305318169910+08 -.9150550822340+05 -.1282769928830+07 -.2211499895360+07 .1071568337990+03  
121 .1295814141650+09 -.7460219701820+08 -.5713381444120+05 .1210466573270+07 .2189271167880+07 .3412913089530+04  
121 .7292229718480+08 -.1326055100260+09 .6737542250730+05 .2276302414460+07 .1287892211800+07 .3726212656540+04  
122 4 .1685231483900+05 .1667034066840+05 .1663954878290+05 .5451440977730+06 .5297204731940+06  
122 -.1292832560010+09 .7149350339340+08 -.9138422375730+05 -.1255642920000+07 -.2226508693440+07 .2373892474520+03



95 0 .168333375099D+05 .166370694987D+05 .166175809873D+05 .587298493159D+06 .276171523086D+06  
95 -.989131628808D+08 .109220079526D+09 -.652968632188D+05 -.191932795574D+07 -.171258134089D+07 -.272832401312D+04  
95 .696689333955D+08 -.133199906382D+09 .612231220373D+05 .222005232274D+07 .120590457967D+07 -.398463592536D+04  
95 .225070415365D+08 -.149511254658D+09 .237979301507D+05 .263108078276D+07 .365598858290D+06 .168004601344D+05  
96 0 .168340403739D+05 .166380127554D+05 .166181770375D+05 .564440967157D+06 .286104105173D+06  
96 -.100254614679D+09 .108008310727D+09 -.671870759671D+05 -.189771361213D+07 -.173546636420D+07 -.265073625587D+04  
96 .717661931455D+08 -.132073703995D+09 .586006299058D+05 .220001683420D+07 .124094321932D+07 -.409737868969D+04  
96 .240014030230D+08 -.149288519722D+09 .246367454914D+05 .262451271022D+07 .393526406050D+06 .162214005592D+05  
97 0 .168347432379D+05 .166376560824D+05 .166187845637D+05 .541674311065D+06 .296540901992D+06  
97 -.101580782025D+09 .106780554883D+09 -.690216960007D+05 -.187583658229D+07 -.175807174819D+07 -.257013475547D+04  
97 .709927670634D+08 -.132543118592D+09 .612685696513D+05 .220851902935D+07 .123032731170D+07 -.399758246609D+04  
97 .255231036684D+08 -.149046283771D+09 .256243444768D+05 .261762001823D+07 .422159784954D+06 .156430191821D+05  
98 0 .168354461020D+05 .166374872844D+05 .166194103269D+05 .518903360140D+06 .307509494535D+06  
98 -.102891481758D+09 .105537009428D+09 -.707986162621D+05 -.185370106078D+07 -.178039499947D+07 -.248655167468D+04  
98 .706322214391D+08 -.132781337781D+09 .631754724279D+05 .221301921438D+07 .122642525216D+07 -.391289268665D+04  
98 .270889179336D+08 -.148780585280D+09 .267850632052D+05 .261032625288D+07 .451810315398D+06 .150618105864D+05  
99 0 .168361489660D+05 .166363952107D+05 .166200517964D+05 .494654535999D+06 .318840510691D+06  
99 -.104186533668D+09 .104277873504D+09 -.725157547884D+05 -.183131125329D+07 -.180243373084D+07 -.240002621055D+04  
99 .682135748408D+08 -.134134615769D+09 .684852930529D+05 .223812444468D+07 .119025738120D+07 -.359030112224D+04  
99 .286922702884D+08 -.148490980472D+09 .281208176937D+05 .260265765115D+07 .482336044841D+06 .144833833592D+05  
100 0 .168368518301D+05 .166362360839D+05 .166207194314D+05 .467815818685D+06 .330555714561D+06  
100 -.105465760508D+09 .103003347897D+09 -.741710595730D+05 -.180867137263D+07 -.182418565892D+07 -.231060434351D+04  
100 .678678878632D+08 -.134360797933D+09 .702009423439D+05 .224294936452D+07 .118698094157D+07 -.344224450888D+04  
100 .303589204496D+08 -.148170803092D+09 .296509752398D+05 .259448033961D+07 .514196732231D+06 .139020697245D+05  
101 0 .168375546941D+05 .166358570770D+05 .166214107511D+05 .440451440378D+06 .342413525887D+06  
101 -.106728987988D+09 .101713634962D+09 -.757625132118D+05 -.178578563463D+07 -.184564860119D+07 -.221833847001D+04  
101 .670257439738D+08 -.134848045763D+09 .725626314235D+05 .225297305815D+07 .117608490608D+07 -.319300665182D+04  
101 .320821066694D+08 -.147818854349D+09 .313548011421D+05 .258581072357D+07 .547219142033D+06 .133243950149D+05  
102 0 .168382575581D+05 .166353885284D+05 .166221325635D+05 .411507178246D+06 .354299805359D+06  
102 -.107976044784D+09 .100408938556D+09 -.772881372465D+05 -.176265825450D+07 -.186682047243D+07 -.212328690624D+04  
102 .659754869827D+08 -.135438390275D+09 .749864935806D+05 .226549028563D+07 .116213710066D+07 -.285018376116D+04  
102 .338780071845D+08 -.147428975255D+09 .332163802995D+05 .257654891119D+07 .581655927265D+06 .127498875337D+05  
103 0 .168389604222D+05 .166351762434D+05 .166228905690D+05 .378786081548D+06 .366036269591D+06  
103 -.109206762534D+09 .990894639641D+08 -.787459961099D+05 -.173929344326D+07 -.188769928031D+07 -.202551325120D+04  
103 .655002461615D+08 -.135730390457D+09 .764453545038D+05 .227278145842D+07 .115727558597D+07 -.254153483488D+04  
103 .357596738939D+08 -.146994699756D+09 .351969868695D+05 .256660999672D+07 .617688228324D+06 .121814580454D+05  
104 0 .168396632862D+05 .166348424346D+05 .166236786173D+05 .344465545700D+06 .377221308072D+06  
104 -.110420975831D+09 .977554178437D+08 -.801342005706D+05 -.171569540456D+07 -.190828312032D+07 -.192508559734D+04  
104 .647440156352D+08 -.136163746359D+09 .779495606079D+05 .228350699474D+07 .114811633565D+07 -.210239857606D+04  
104 .377103926036D+08 -.146516094329D+09 .371983672373D+05 .255608575803D+07 .654914579352D+06 .116344305579D+05  
105 0 .168403661503D+05 .166339806967D+05 .166245004410D+05 .308033390956D+06 .387543571638D+06  
105 -.111618522220D+09 .964070081612D+08 -.814509105666D+05 -.169186833193D+07 -.192857016964D+07 -.182207558006D+04  
105 .627660374394D+08 -.137193619683D+09 .797929655877D+05 .230793119325D+07 .111997932392D+07 -.119420804008D+04  
105 .397375512190D+08 -.145987513204D+09 .391063163526D+05 .254499316484D+07 .693374098353D+06 .111239945749D+05  
106 0 .168410690143D+05 .166336600447D+05 .166253398310D+05 .267058705615D+06 .396331648221D+06  
106 -.112799242188D+09 .950444441374D+08 -.826943373142D+05 -.166781640619D+07 -.194855868009D+07 -.171655726529D+04  
106 .620190474904D+08 -.137607134766D+09 .800230951368D+05 .232069696918D+07 .111060609530D+07 -.455914949490D+03  
106 .417988153941D+08 -.145416731316D+09 .406903353783D+05 .253375137265D+07 .732109374113D+06 .106927907938D+05  
107 0 .168417718784D+05 .166261784375D+05 .166261784375D+05 .218882276415D+06 .402681296228D+06  
107 -.113962979160D+09 .936679361984D+08 -.838627445810D+05 -.164354379331D+07 -.196824696973D+07 -.160860589424D+04  
107 .438458790390D+08 -.144815720380D+09 .415703578510D+05 .252316151055D+07 .769877343043D+06 .104169683043D+05  
107 .438458790304D+08 -.144815720382D+09 .415703578516D+05 .252316151062D+07 .769877342845D+06 .104169683076D+05  
108 0 .168424747424D+05 .166269424672D+05 .166269424672D+05 .149380466666D+06 .404606829993D+06  
108 -.115109579476D+09 .922776959319D+08 -.849544490443D+05 -.161905464187D+07 -.198763341314D+07 -.149829654732D+04  
108 .456926377820D+08 -.144242390620D+09 .408881466831D+05 .251585095593D+07 .802141013211D+06 .104617093921D+05

81 -.786374344211D+08 .124400384780D+09 -.341936301585D+05 -.219205843575D+07 -.136448808691D+07 -.349682532144D+04  
81 .776697481578D+07 -.150831913833D+09 .623939513375D+05 .263216546644D+07 .198674498463D+06 .141884745327D+05  
81 .215671631142D+07 -.151070632844D+09 .188003104676D+05 .269602234591D+07 -.463992614274D+04 .255196379488D+05  
82 0 .168242002773D+05 .166120352617D+05 .166100841450D+05 .518181827331D+06 .183133770980D+06  
82 -.801720227915D+08 .123432020292D+09 -.366386341568D+05 -.217454666258D+07 -.139096417381D+07 -.346092720123D+04  
82 .882169452756D+07 -.150795068760D+09 .596927520358D+05 .263705258911D+07 .213257588436D+06 .149498305682D+05  
82 .360572114612D+07 -.151050875701D+09 .190622404042D+05 .269286675589D+07 .220072946623D+05 .248087283956D+05  
83 0 .168249031413D+05 .166124587775D+05 .166106573696D+05 .548701877265D+06 .188933162495D+06  
83 -.816941907975D+08 .122445128290D+09 -.390574381748D+05 -.215671669947D+07 -.141720722037D+07 -.342227017020D+04  
83 .987240019669D+07 -.150749926181D+09 .568597459184D+05 .264178867137D+07 .226905198075D+06 .157088749500D+05  
83 .505618294051D+07 -.151016946382D+09 .193103106788D+05 .268952713522D+07 .484829839331D+05 .241222236474D+05  
84 0 .168256060054D+05 .166126075898D+05 .166112339367D+05 .575136459894D+06 .194817111632D+06  
84 -.832037160947D+08 .121439873998D+09 -.414480844639D+05 -.213857225278D+07 -.144321317225D+07 -.338080092494D+04  
84 .101927885770D+08 -.150759426085D+09 .491331189914D+05 .265705727938D+07 .219138961208D+06 .180676444684D+05  
84 .651460030933D+07 -.150968601065D+09 .195515578676D+05 .268596661468D+07 .749548996266D+05 .234531825605D+05  
85 0 .168263088694D+05 .166129530836D+05 .166118075443D+05 .596444404469D+06 .200772634638D+06  
85 -.847003789557D+08 .120416425454D+09 -.438085787063D+05 -.212011706330D+07 -.146897807891D+07 -.333646897747D+04  
85 .110318699862D+08 -.150717528434D+09 .444704859510D+05 .266313720930D+07 .222808060816D+06 .190923529169D+05  
85 .796490963259D+07 -.150906413911D+09 .197889739642D+05 .268220811399D+07 .101173973544D+06 .228053148323D+05  
86 0 .168270117335D+05 .166128771996D+05 .166123840517D+05 .611735469942D+06 .206910125636D+06  
86 -.861839622958D+08 .119374953435D+09 -.461368925151D+05 -.210135491220D+07 -.149449810058D+07 -.328922802973D+04  
86 .107427488766D+08 -.150753445204D+09 .308756864905D+05 .267692320114D+07 .181960281233D+06 .215323155651D+05  
86 .942180900791D+07 -.150829812257D+09 .200308486406D+05 .267820076908D+07 .127443989124D+06 .221688318522D+05  
87 0 .168277145975D+05 .166129571486D+05 .166129571486D+05 .619028337166D+06 .213210596830D+06  
87 -.876542517036D+08 .118315631375D+09 -.484309667007D+05 -.208228962476D+07 -.151976951128D+07 -.323903682310D+04  
87 .108692428618D+08 -.150739714855D+09 .202809256176D+05 .267397917950D+07 .153510262445D+06 .215479699807D+05  
87 .108692428618D+08 -.150739714855D+09 .202809256176D+05 .267397917950D+07 .153510262445D+06 .215479699807D+05  
88 0 .168284174616D+05 .166135329991D+05 .166135329991D+05 .623547801555D+06 .219788857995D+06  
88 -.891110354721D+08 .117238635289D+09 -.506887150141D+05 -.206292507187D+07 -.154478869966D+07 -.318585967315D+04  
88 .123226802253D+08 -.150635239951D+09 .205492033480D+05 .266949174714D+07 .179684651858D+06 .209337833362D+05  
88 .123226802253D+08 -.150635239951D+09 .205492033480D+05 .266949174714D+07 .179684651858D+06 .209337833362D+05  
89 0 .168291203256D+05 .166141254637D+05 .166141054317D+05 .626583664011D+06 .226619469577D+06  
89 -.905541046310D+08 .116144143686D+09 -.529080281984D+05 -.204326516988D+07 -.156955216883D+07 -.312966683130D+04  
89 .138198393317D+08 -.150513454256D+09 .212484531765D+05 .266488864267D+07 .207716200343D+06 .203334262748D+05  
89 .137664571240D+08 -.150517595211D+09 .208411528432D+05 .266478325459D+07 .205716736686D+06 .203310514871D+05  
90 0 .168298231896D+05 .166146779839D+05 .166146779839D+05 .627111131623D+06 .233784129565D+06  
90 -.919832529784D+08 .115032337499D+09 -.550867782605D+05 -.202331387917D+07 -.159405653583D+07 -.307043475866D+04  
90 .152094291065D+08 -.150386235480D+09 .211679920753D+05 .265982613421D+07 .231796461995D+06 .197346937086D+05  
90 .152094291065D+08 -.150386235480D+09 .211679920753D+05 .265982613421D+07 .231796461995D+06 .197346937086D+05  
91 0 .168305260537D+05 .166152543107D+05 .166152543107D+05 .626133294964D+06 .241369001281D+06  
91 -.933982771105D+08 .113903399994D+09 -.57228229189D+05 -.200307520190D+07 -.161829853110D+07 -.300814635716D+04  
91 .166607343534D+08 -.150240242196D+09 .215432650230D+05 .265458875404D+07 .258119083009D+06 .191401673919D+05  
91 .166607343534D+08 -.150240242196D+09 .215432650230D+05 .265458875404D+07 .258119083009D+06 .191401673919D+05  
92 0 .168312289177D+05 .166158289082D+05 .166158289082D+05 .623295913441D+06 .249332496667D+06  
92 -.947989764505D+08 .112757516696D+09 -.593140102036D+05 -.198255317903D+07 -.164227499783D+07 -.294279117771D+04  
92 .181064616838D+08 -.150080988882D+09 .219760402486D+05 .264912544739D+07 .284460073799D+06 .185528763626D+05  
92 .181064616838D+08 -.150080988882D+09 .219760402486D+05 .264912544739D+07 .284460073799D+06 .185528763626D+05  
93 0 .168319317818D+05 .166164602277D+05 .166164092177D+05 .620223737802D+06 .257798710378D+06  
93 -.961851532743D+08 .111594875312D+09 -.613581831982D+05 -.196175188699D+07 -.166598289158D+07 -.287436560960D+04  
93 .197001295847D+08 -.149890324053D+09 .234023317676D+05 .264334853500D+07 .315616903607D+06 .179524836594D+05  
93 .195652916362D+08 -.149906310610D+09 .224862097875D+05 .264337186821D+07 .311185577400D+06 .179655011372D+05  
94 0 .168326346458D+05 .166379161698D+05 .166169904789D+05 .603090690099D+06 .266706016715D+06  
94 -.975566127345D+08 .110415665646D+09 -.633531849057D+05 -.194067543391D+07 -.168941927973D+07 -.280287304572D+04  
94 .715280487412D+08 -.132140277251D+09 .566113543968D+05 .220118765224D+07 .123405163177D+07 -.414207597974D+04  
94 .210252196821D+08 -.149717422645D+09 .230851474940D+05 .263738276300D+07 .338098060818D+06 .173836722436D+05

67 -.140026073074D+08 -.150263541227D+09 .541226642151D+05 .264737074895D+07 -.156114510049D+06 .207459347731D+05  
67 -.174234648618D+08 -.149974103651D+09 .169760585640D+05 .272239358820D+07 -.349983836637D+06 .352386205634D+05  
68 0 .168143601807D+05 .166051207576D+05 .166023336370D+05 .166394372308D+06 .124691734896D+06  
68 -.576633099386D+08 .135233279295D+09 -.863388106834D+03 -.238914751166D+07 -.10009950329D+07 -.372820028261D+04  
68 -.857102174063D+07 -.150551499472D+09 .757035283218D+05 .259644000627D+07 -.655945673677D+05 .113915128012D+05  
68 -.159636557611D+08 -.150149656718D+09 .164207543172D+05 .271982820749D+07 -.314924579141D+06 .326791890858D+05  
69 0 .168150630448D+05 .166063614587D+05 .166029279530D+05 .114346396566D+06 .135732277544D+06  
69 -.593379904943D+08 .134519472039D+09 -.348264863956D+04 -.237608570115D+07 -.103012199767D+07 -.372534041637D+04  
69 -.539238703007D+07 -.150659824420D+09 .814153991752D+05 .258739848744D+07 -.159308168826D+05 .101761806999D+05  
69 -.144611593129D+08 -.150317397513D+09 .142128287491D+05 .271628634237D+07 -.275916558522D+06 .290784491537D+05  
70 0 .168157659088D+05 .166067859035D+05 .166035245165D+05 .671564749023D+05 .148853001203D+06  
70 -.610033636491D+08 .133785257550D+09 -.609906792763D+04 -.236266353184D+07 -.105906730915D+07 -.372011861024D+04  
70 -.432770996246D+07 -.150718289384D+09 .780458185253D+05 .259268981535D+07 .456916066675D+04 .141238274667D+05  
70 -.129475378527D+08 -.150471831736D+09 .448954866163D+04 .271160649158D+07 -.235159470468D+06 .229339728979D+05  
71 0 .168164687728D+05 .166072945246D+05 .166039868681D+05 .451838631085D+05 .123088694095D+06  
71 -.626591770564D+08 .133030762064D+09 -.871096659706D+04 -.234888367380D+07 -.108783061384D+07 -.371247985380D+04  
71 -.304366920086D+07 -.150764231589D+09 .765245279756D+05 .259627935741D+07 .210055311788D+05 .189052221592D+05  
71 -.118063998545D+08 -.150537606656D+09 -.109351248496D+05 .272337990432D+07 -.260536683394D+06 .347589442734D+04  
72 0 .168171716369D+05 .166077353417D+05 .166045490969D+05 .727112003920D+05 .991560577610D+05  
72 -.643051802558D+08 .132256115163D+09 -.113166276133D+05 -.233474882628D+07 -.111640721793D+07 -.370237288511D+04  
72 -.193306383764D+07 -.150804126054D+09 .778585316467D+05 .259737069269D+07 .369473980156D+05 .128452593922D+05  
72 -.104007523252D+08 -.150618306449D+09 .691247801041D+04 .272975908761D+07 -.288693721514D+06 .192835830437D+05  
73 0 .168178745009D+05 .166080169746D+05 .166050468013D+05 .119789716587D+06 .114988795837D+06  
73 -.659411247008D+08 .131461449672D+09 -.139143009149D+05 -.232026174062D+07 -.114479259555D+07 -.368975596706D+04  
73 -.123731212413D+07 -.150846746473D+09 .761428913462D+05 .260245465793D+07 .508079166642D+05 .113897648420D+05  
73 -.914394047484D+07 -.150720888080D+09 .125449252905D+05 .272196208111D+07 -.244612021748D+06 .298661046322D+05  
74 0 .168185773650D+05 .166085266850D+05 .166055744776D+05 .169989733154D+06 .127873082619D+06  
74 -.675667638086D+08 .130646901533D+09 -.165022119814D+05 -.230542526280D+07 -.117298240517D+07 -.367460184255D+04  
74 .498011177246D+05 -.150871254983D+09 .760017614767D+05 .260384595283D+07 .736199277927D+05 .106868179469D+05  
74 -.780920660265D+07 -.150813363993D+09 .148734977912D+05 .271693501907D+07 -.206395360190D+06 .308903111152D+05  
75 0 .168192802290D+05 .166091748095D+05 .166061180488D+05 .220960417730D+06 .137587479716D+06  
75 -.691818530454D+08 .129812609678D+09 -.190785727120D+05 -.229024238366D+07 -.120097246627D+07 -.365689885183D+04  
75 .169654822380D+07 -.150870657309D+09 .767972038473D+05 .260216513753D+07 .101595976408D+06 .100241470060D+05  
75 -.643378321872D+07 -.150891912991D+09 .160946653901D+05 .271330284400D+07 -.173587806587D+06 .303605682930D+05  
76 0 .168199830931D+05 .166095187372D+05 .166066741189D+05 .269628452150D+06 .145653785879D+06  
76 -.707861500413D+08 .128958715941D+09 -.216415910961D+05 -.227471627361D+07 -.122875869502D+07 -.363664627789D+04  
76 .255013975558D+07 -.150889697849D+09 .741871791201D+05 .260800379238D+07 .116555344988D+06 .107573686149D+05  
76 -.502647811281D+07 -.150956928577D+09 .168652814893D+05 .271023790197D+07 -.143235418855D+06 .295387879820D+05  
77 0 .168206859571D+05 .166100011352D+05 .166072338600D+05 .317226571478D+06 .152741483320D+06  
77 -.723794147188D+08 .128085365014D+09 -.241894758564D+05 -.225885028184D+07 -.125633702252D+07 -.361384521132D+04  
77 .376360200638D+07 -.150884824632D+09 .728825338603D+05 .261054666921D+07 .136974633901D+06 .110350067633D+05  
77 -.360965932290D+07 -.151007746470D+09 .174132578458D+05 .270742549498D+07 -.114405923861D+06 .286809307557D+05  
78 0 .168213888211D+05 .166103707999D+05 .166077979180D+05 .362544358239D+06 .159271455929D+06  
78 -.739614094074D+08 .127192704467D+09 -.267204342866D+05 -.224264789992D+07 -.128370333194D+07 -.358848911707D+04  
78 .468138002669D+07 -.150887377708D+09 .701592419909D+05 .261648514491D+07 .151962772642D+06 .118714400888D+05  
78 -.218173988127D+07 -.151044619314D+09 .178426061482D+05 .270468083581D+07 -.863885321023D+05 .278424316183D+05  
79 0 .168220916852D+05 .166107501498D+05 .166083679284D+05 .405950223282D+06 .165486634010D+06  
79 -.755318989252D+08 .126280884784D+09 -.292326646040D+05 -.222611270970D+07 -.131085343765D+07 -.356055814877D+04  
79 .562231872983D+07 -.150882409793D+09 .672881242725D+05 .262268172588D+07 .166598031201D+06 .127687507277D+05  
79 -.738657651989D+06 -.151067536592D+09 .182028952942D+05 .270189395472D+07 -.587602585320D+05 .270332275743D+05  
80 0 .168227945492D+05 .166113070481D+05 .166089374549D+05 .446470930499D+06 .171458101116D+06  
80 -.770906506259D+08 .125350059412D+09 -.317243460880D+05 -.220924833885D+07 -.133778310426D+07 -.353001848871D+04  
80 .702779288786D+07 -.150837644990D+09 .665899417144D+05 .262298382144D+07 .189492247052D+06 .128104325371D+05  
80 .703190397253D+06 -.151076197272D+09 .185160905488D+05 .269903144135D+07 -.316340398778D+05 .262624397757D+05  
81 0 .168234974133D+05 .166116108135D+05 .166095116438D+05 .484046038893D+06 .177337474342D+06

53 -.370090335074D+08 -.146243752525D+09 .174921971174D+05 .275259661107D+07 -.773986112618D+06 .626925217780D+05  
54 0 .168045200841D+05 .165944484520D+05 .165944484520D+05 .345209902830D+06 .530161429236D+05  
54 -.333860680419D+08 .143021454572D+09 .352414809600D+05 -.253278898747D+07 -.577486274116D+06 -.354418702364D+04  
54 -.356064657089D+08 -.146599563974D+09 .173898981618D+05 .275036153061D+07 -.744782495659D+06 .607039746527D+05  
54 -.356064657089D+08 -.146599563974D+09 .173898981618D+05 .275036153061D+07 -.744782495659D+06 .607039746527D+05  
55 0 .168052229482D+05 .165950174114D+05 .165950174114D+05 .334127014616D+06 .561519798761D+05  
55 -.351635714508D+08 .142604638301D+09 .327413662516D+05 -.252502446902D+07 -.608561069180D+06 -.357019891346D+04  
55 -.342064207842D+08 -.146940678045D+09 .172883075572D+05 .274802689750D+07 -.715394858464D+06 .586826559387D+05  
55 -.342064207842D+08 -.146940678045D+09 .172883075572D+05 .274802689750D+07 -.715394858464D+06 .586826559387D+05  
56 0 .168059258122D+05 .165955824441D+05 .165955824441D+05 .323001979607D+06 .595375965458D+05  
56 -.369354797355D+08 .142166017654D+09 .302236276118D+05 -.251686813618D+07 -.639529650286D+06 -.359434742659D+04  
56 -.328130601628D+08 -.147266341433D+09 .171914380095D+05 .274564623560D+07 -.685929840481D+06 .566506365546D+05  
56 -.328130601911D+08 -.147266341426D+09 .171914374256D+05 .274564623198D+07 -.685929848792D+06 .566506360390D+05  
57 0 .168066286763D+05 .165961459009D+05 .165961459009D+05 .312059325797D+06 .631929058813D+05  
57 -.387015181114D+08 .141705669108D+09 .276895847499D+05 -.250832173068D+07 -.670386835970D+06 -.361660397662D+04  
57 -.314207333085D+08 -.147578102682D+09 .171029556655D+05 .274325406144D+07 -.656292472914D+06 .546154337190D+05  
57 -.314207333085D+08 -.147578102682D+09 .171029556655D+05 .274325406144D+07 -.656292472914D+06 .546154337190D+05  
58 0 .168073315403D+05 .165967060521D+05 .165967060521D+05 .301657913130D+06 .671089073077D+05  
58 -.404614130475D+08 .141223672772D+09 .251405773055D+05 -.249938707922D+07 -.701127464377D+06 -.363694039881D+04  
58 -.300338465618D+08 -.147875173539D+09 .170273590464D+05 .274089683851D+07 -.626604928489D+06 .525980834646D+05  
58 -.300338465618D+08 -.147875173539D+09 .170273590464D+05 .274089683851D+07 -.626604928488D+06 .525980834646D+05  
59 0 .168080344043D+05 .165972643083D+05 .165972643083D+05 .292148601900D+06 .712933173933D+05  
59 -.422148923265D+08 .140720112375D+09 .225779646191D+05 -.249006609274D+07 -.731746392337D+06 -.365532875103D+04  
59 -.286490328193D+08 -.148158477990D+09 .169685851035D+05 .273860083518D+07 -.596825137733D+06 .506064110468D+05  
59 -.286490328193D+08 -.148158477990D+09 .169685851035D+05 .273860083518D+07 -.596825137733D+06 .506064110468D+05  
60 0 .168087372684D+05 .165978227205D+05 .165978227205D+05 .283923650623D+06 .757586194280D+05  
60 -.439616851036D+08 .140195075261D+09 .200031256622D+05 -.248036076558D+07 -.762238494344D+06 -.367174105576D+04  
60 -.272612979109D+08 -.148429110226D+09 .169302807550D+05 .273638135850D+07 -.566872777538D+06 .486434480632D+05  
60 -.272612979109D+08 -.148429110226D+09 .169302807550D+05 .273638135850D+07 -.566872777537D+06 .486434480632D+05  
61 0 .168094401324D+05 .165983794351D+05 .165983791367D+05 .277458258431D+06 .804830432416D+05  
61 -.457015219648D+08 .139648652364D+09 .174174591716D+05 -.247027317442D+07 -.792598661461D+06 -.368614897512D+04  
61 -.258752606417D+08 -.148686242034D+09 .169295172105D+05 .273431134469D+07 -.536746076351D+06 .467297612843D+05  
61 -.258760766327D+08 -.148686081832D+09 .169155726249D+05 .273426005101D+07 -.536886360995D+06 .467234235703D+05  
62 0 .168101429965D+05 .165990282573D+05 .165993796390D+05 .270892799667D+06 .854940787001D+05  
62 -.474341349843D+08 .139080938206D+09 .148223840381D+05 -.245980547707D+07 -.822818001380D+06 -.369852340960D+04  
62 -.242350831381D+08 -.148975432283D+09 .210606310255D+05 .274080547363D+07 -.467163788729D+06 .455446729867D+05  
62 -.244847095715D+08 -.148931020786D+09 .169258925262D+05 .273222560315D+07 -.506687476766D+06 .448363003956D+05  
63 0 .168108458605D+05 .165996944241D+05 .165994943450D+05 .263161494171D+06 .907776255075D+05  
63 -.491592577809D+08 .138492030886D+09 .122193400083D+05 -.244895991080D+07 -.852902830993D+06 -.370883400982D+04  
63 -.225451058772D+08 -.149250499956D+09 .256256752282D+05 .273683458195D+07 -.399823794637D+06 .425832364143D+05  
63 -.230926301172D+08 -.149162947841D+09 .169601524349D+05 .273027556441D+07 -.476382829048D+06 .429851280886D+05  
64 0 .168115487246D+05 .166004129431D+05 .166000549299D+05 .253736570968D+06 .963927400713D+05  
64 -.508766255731D+08 .137882032064D+09 .960978876066D+04 -.243773878996D+07 -.882836687695D+06 -.371704859410D+04  
64 -.207119793420D+08 -.149521261396D+09 .315423526088D+05 .272246543435D+07 -.330656431230D+06 .378824669794D+05  
64 -.216900009676D+08 -.149383427864D+09 .170128493433D+05 .272837257224D+07 -.445713015092D+06 .411434687483D+05  
65 0 .168122515886D+05 .166011983915D+05 .166006163961D+05 .241976061417D+06 .102368358470D+06  
65 -.525859752321D+08 .137251046959D+09 .699521542539D+04 -.242614450256D+07 -.912618316275D+06 -.372313247460D+04  
65 -.186985056102D+08 -.149784113370D+09 .386741697181D+05 .269902341415D+07 -.265500097731D+06 .319291563364D+05  
65 -.202828759459D+08 -.149591408898D+09 .170684511613D+05 .272648441691D+07 -.414708253614D+06 .392912751664D+05  
66 0 .168129544526D+05 .166019509759D+05 .166011816422D+05 .226145901240D+06 .108848749207D+06  
66 -.542870453321D+08 .136599184339D+09 .437713060185D+04 -.241417950553D+07 -.942242675477D+06 -.372704772086D+04  
66 -.167762383769D+08 -.150009508228D+09 .433588444881D+05 .268241545924D+07 -.219507177487D+06 .278150059990D+05  
66 -.188639206027D+08 -.149787914212D+09 .170895690159D+05 .272453509696D+07 -.383004117484D+06 .373642893364D+05  
67 0 .168136573167D+05 .166030244195D+05 .166017544210D+05 .203429210480D+06 .116122586169D+06  
67 -.559795761967D+08 .135926556507D+09 .175707289404D+04 -.240184631788D+07 -.971704739273D+06 -.372875244412D+04



40 0 .167946799875D+05 .165870050016D+05 .165861529999D+05 .405137540259D+06 .279697636086D+05  
40 -.806987447477D+07 .146533381481D+09 .677045431755D+05 -.259958389290D+07 -.134243426268D+06 -.300176543852D+04  
40 -.534100433114D+08 -.140824999396D+09 .527098273597D+05 .248029375907D+07 -.791881242622D+06 .218571545665D+05  
40 -.555988866886D+08 -.140124405401D+09 .180062248158D+05 .275792895168D+07 -.114379482494D+07 .806551811243D+05  
41 0 .167953828516D+05 .165874364898D+05 .165867627631D+05 .427270543696D+06 .290773890717D+05  
41 -.989630030327D+07 .146427782908D+09 .655776071407D+05 -.259743871573D+07 -.166247739028D+06 -.305056934546D+04  
41 -.524085264309D+08 -.141240521521D+09 .487909751542D+05 .250592485216D+07 -.769012140772D+06 .255924073298D+05  
41 -.541608087038D+08 -.140695637256D+09 .180380532250D+05 .275920822072D+07 -.111534037771D+07 .799448966306D+05  
42 0 .167960857156D+05 .165873712844D+05 .165873712844D+05 .429058475394D+06 .302263088223D+05  
42 -.117210753655D+08 .146299700196D+09 .634168737915D+05 -.259488652291D+07 -.198221046696D+06 -.309794953947D+04  
42 -.527200279844D+08 -.141250739676D+09 .180586476969D+05 .276032851732D+07 -.108705627136D+07 .791150636412D+05  
42 -.527200279844D+08 -.141250739676D+09 .180586476969D+05 .276032851732D+07 -.108705627136D+07 .791150636412D+05  
43 0 .167967885797D+05 .165879771699D+05 .165879771699D+05 .426474199349D+06 .314313399250D+05  
43 -.135439137680D+08 .146149157097D+09 .612233532846D+05 -.259192784708D+07 -.230157769638D+06 -.314387852978D+04  
43 -.512800664634D+08 -.141788548518D+09 .180672648520D+05 .276120886867D+07 -.105890646286D+07 .781688472477D+05  
43 -.512800664634D+08 -.141788548518D+09 .180672648520D+05 .276120886867D+07 -.105890646286D+07 .781688472477D+05  
44 0 .167974914437D+05 .165885809997D+05 .165885809997D+05 .423080495770D+06 .327101494151D+05  
44 -.153645300174D+08 .145976181275D+09 .589980759358D+05 -.258856329423D+07 -.262052364488D+06 -.318832653715D+04  
44 -.498397741480D+08 -.142309718712D+09 .180633784555D+05 .276179717632D+07 -.103078544773D+07 .771047500232D+05  
44 -.498397741480D+08 -.142309718712D+09 .180633784553D+05 .276179717631D+07 -.103078544774D+07 .771047500226D+05  
45 0 .167981943078D+05 .165891819787D+05 .165891819787D+05 .418862573829D+06 .340772035237D+05  
45 -.171826390738D+08 .145780804276D+09 .567420936132D+05 -.258479355103D+07 -.293899325109D+06 -.323126210507D+04  
45 -.484012746712D+08 -.142813714842D+09 .180466348393D+05 .276205923858D+07 -.100266727388D+07 .759234096407D+05  
45 -.484012746712D+08 -.142813714842D+09 .180466348393D+05 .276205923858D+07 -.100266727388D+07 .759234096407D+05  
46 0 .167988971718D+05 .165897803261D+05 .165897803261D+05 .413804847484D+06 .355491000904D+05  
46 -.189979564101D+08 .145563061506D+09 .544564807132D+05 -.258061938936D+07 -.325693181532D+06 -.327265266503D+04  
46 -.469642731623D+08 -.143300895916D+09 .180168806329D+05 .276197709463D+07 -.974491013366D+06 .746246280886D+05  
46 -.469642731623D+08 -.143300895916D+09 .180168806329D+05 .276197709463D+07 -.974491013366D+06 .746246280886D+05  
47 0 .167996000358D+05 .165903755676D+05 .165903755676D+05 .407903978805D+06 .371409536331D+05  
47 -.208101980721D+08 .145322992200D+09 .521423347679D+05 -.257604166908D+07 -.357428498028D+06 -.331246501774D+04  
47 -.455301364726D+08 -.143771063511D+09 .179742267237D+05 .276154579652D+07 -.946237753533D+06 .732111952277D+05  
47 -.455301364727D+08 -.143771063511D+09 .179742267214D+05 .276154579649D+07 -.946237753596D+06 .732111952266D+05  
48 0 .168003028999D+05 .165909677444D+05 .165909677444D+05 .401161712757D+06 .388693902862D+05  
48 -.226190807416D+08 .145060639402D+09 .498007767459D+05 -.257106133925D+07 -.389099870973D+06 -.335066572476D+04  
48 -.440989922479D+08 -.144224457102D+09 .179190319695D+05 .276077154444D+07 -.917872583746D+06 .716867345320D+05  
48 -.440989922479D+08 -.144224457102D+09 .179190319695D+05 .276077154444D+07 -.917872583746D+06 .716867345320D+05  
49 0 .168010057639D+05 .165915563773D+05 .165915563773D+05 .393597961008D+06 .407497332935D+05  
49 -.244243217988D+08 .144776049946D+09 .474329511072D+05 -.256567943866D+07 -.420701926823D+06 -.338722141817D+04  
49 -.426722239577D+08 -.144660935791D+09 .178520151893D+05 .275967088666D+07 -.889393234844D+06 .700583500658D+05  
49 -.426722239715D+08 -.144660935787D+09 .178520148399D+05 .275967088277D+07 -.889393243100D+06 .700583494269D+05  
50 0 .168017086280D+05 .165921419878D+05 .165921419878D+05 .385235030520D+06 .428006071489D+05  
50 -.262256393857D+08 .144469274433D+09 .450400256656D+05 -.255989709579D+07 -.452229320313D+06 -.342209903951D+04  
50 -.412487855740D+08 -.145081113710D+09 .177741371678D+05 .275826739859D+07 -.860755842666D+06 .683325981245D+05  
50 -.412487855740D+08 -.145081113710D+09 .177741371661D+05 .275826739857D+07 -.860755842702D+06 .683325981218D+05  
51 0 .168024114920D+05 .165927237314D+05 .165927237314D+05 .376133045399D+06 .450358760660D+05  
51 -.280227524689D+08 .144140367208D+09 .426231913056D+05 -.255371552845D+07 -.483676732903D+06 -.345526601810D+04  
51 -.398309434354D+08 -.145484626616D+09 .176869280385D+05 .275659492597D+07 -.831990328961D+06 .665221196812D+05  
51 -.398309434354D+08 -.145484626616D+09 .176869280385D+05 .275659492597D+07 -.831990328961D+06 .665221196812D+05  
52 0 .168031143561D+05 .165933024508D+05 .165933024508D+05 .366349829670D+06 .474751920543D+05  
52 -.298153809019D+08 .143789386348D+09 .401836615924D+05 -.254713604335D+07 -.515038871456D+06 -.348669039699D+04  
52 -.384168490665D+08 -.145872303002D+09 .175921198143D+05 .275468932473D+07 -.803050297844D+06 .646364407191D+05  
52 -.384168490665D+08 -.145872303002D+09 .175921198130D+05 .275468932471D+07 -.803050297869D+06 .646364407173D+05  
53 0 .168038172201D+05 .165938771912D+05 .165938771912D+05 .35600608275D+06 .501299876491D+05  
53 -.316032454880D+08 .143416393642D+09 .377226723099D+05 -.254016003547D+07 -.546310467082D+06 -.351634091149D+04  
53 -.370090335074D+08 -.146243752525D+09 .174921971174D+05 .275259661107D+07 -.773986112618D+06 .626925217780D+05

26 .175127010362D+08 .145646930456D+09 .934066469353D+05 -.258671554109D+07 .313974668868D+06 -.218278185290D+04  
26 -.664399239767D+08 -.134674893288D+09 .795163258889D+05 .230858090715D+07 -.106345084404D+07 .861446165131D+04  
26 -.752604934084D+08 -.130468224809D+09 .163600746613D+05 .267220615642D+07 -.148184834639D+07 .453418707863D+05  
27 0 .167855427550D+05 .165815179847D+05 .165781519766D+05 .140029204188D+06 .234182740117D+05  
27 .156933108641D+08 .145856423365D+09 .918492715856D+05 -.259028987176D+07 .282113487908D+06 -.224868134829D+04  
27 -.660041534031D+08 -.134935599536D+09 .763233124773D+05 .231635883631D+07 -.105112735470D+07 .980548926409D+04  
27 -.738701664650D+08 -.131274379932D+09 .160869341482D+05 .267098529670D+07 -.144187406308D+07 .325437985717D+05  
28 0 .167862456190D+05 .165818083826D+05 .165787801032D+05 .974402980132D+05 .256770452413D+05  
28 .138715513439D+08 .146043505882D+09 .902459300619D+05 -.259345722632D+07 .250206862802D+06 -.231359245452D+04  
28 -.653569761712D+08 -.135291421132D+09 .734433901133D+05 .232581322795D+07 -.103550990335D+07 .116285179008D+05  
28 -.724804193187D+08 -.132060821248D+09 .153186941525D+05 .266858945270D+07 -.139778835595D+07 .521053974153D+04  
29 0 .167869484831D+05 .165821589034D+05 .165793937890D+05 .647085153128D+05 .263615636221D+05  
29 .120477087524D+08 .146208148013D+09 .885973276571D+05 -.259621696450D+07 .218260332749D+06 -.237748434267D+04  
29 -.645690472236D+08 -.135705783819D+09 .707311458450D+05 .233657657529D+07 -.101874784742D+07 .148772878292D+05  
29 -.711146208624D+08 -.132812920261D+09 .136954552850D+05 .267563163700D+07 -.136058113189D+07 .555067724338D+05  
30 0 .167876513471D+05 .165825408878D+05 .165800158380D+05 .589296334390D+05 .177671484510D+05  
30 .102220697968D+08 .146350323645D+09 .869041929552D+05 -.259856850270D+07 .186279399261D+06 -.244032137111D+04  
30 -.637054962589D+08 -.136146862726D+09 .691016947579D+05 .234783041550D+07 -.100438629273D+07 .161085737882D+05  
30 -.697210941448D+08 -.133551464853D+09 .151383220930D+05 .275995465362D+07 -.141193069125D+07 .120719179104D+06  
31 0 .167883542112D+05 .165829409099D+05 .165806402716D+05 .845287646035D+05 .145506638388D+05  
31 .839492157018D+07 .146470010513D+09 .851672814928D+05 -.260051133127D+07 .154269500738D+06 -.250206248333D+04  
31 -.627965493620D+08 -.136601410264D+09 .685907645514D+05 .235776500530D+07 -.986941256111D+06 .136737493059D+05  
31 -.683147772218D+08 -.134283750517D+09 .169481665715D+05 .281616602856D+07 -.146651145515D+07 .116438884788D+05  
32 0 .167890570752D+05 .165833643557D+05 .165812496789D+05 .122525258409D+06 .166948379479D+05  
32 .656655148958D+07 .146567190145D+09 .833873793556D+05 -.260204504322D+07 .122235996969D+06 -.256266211033D+04  
32 -.618301712072D+08 -.137073946960D+09 .677471016175D+05 .236799778325D+07 -.966912489580D+06 .128460189041D+05  
32 -.669365219260D+08 -.134988797845D+09 .173495130091D+05 .278877617598D+07 -.142081060397D+07 .545754946163D+05  
33 0 .167897599393D+05 .165838033109D+05 .165818581363D+05 .163251949466D+06 .189177791866D+05  
33 .473724721204D+07 .146641847813D+09 .815653054629D+05 -.260316936815D+07 .901841760895D+05 -.262207301588D+04  
33 -.608246603995D+08 -.137554705317D+09 .665961020702D+05 .237895591674D+07 -.946248062718D+06 .129602665080D+05  
33 -.655532636973D+08 -.135678423498D+09 .175119780409D+05 .276959142632D+07 -.137259063652D+07 .732142206920D+05  
34 0 .167904628033D+05 .165842542483D+05 .165824707465D+05 .204000121998D+06 .207191145951D+05  
34 .290729652876D+07 .146693972485D+09 .797019112915D+05 -.260388419713D+07 .581192903507D+05 -.268025054058D+04  
34 -.597881878944D+08 -.138039626362D+09 .652550073585D+05 .239056808885D+07 -.925119417776D+06 .134615580593D+05  
34 -.641533825790D+08 -.136357729687D+09 .176192393150D+05 .276018441192D+07 -.133183233172D+07 .791186044442D+05  
35 0 .167911656673D+05 .165847121100D+05 .165830850582D+05 .243526173887D+06 .222084399329D+05  
35 .107698724970D+07 .146723556830D+09 .777980775917D+05 -.260418958321D+07 .260466117687D+05 -.273715657408D+04  
35 -.587324916659D+08 -.138523206728D+09 .637608676055D+05 .240276708914D+07 -.903637143178D+06 .141864753898D+05  
35 -.627426069992D+08 -.137023818608D+09 .177065154183D+05 .275599439409D+07 -.129597753605D+07 .811845511938D+05  
36 0 .167918685314D+05 .165851730058D+05 .165836989089D+05 .281137960485D+06 .235009937879D+05  
36 -.753392901917D+06 .146730597242D+09 .758547089797D+05 -.260408571370D+07 -.602851541037D+04 -.279276137511D+04  
36 -.576667570397D+08 -.139001429951D+09 .621083090580D+05 .241559485818D+07 -.881875243363D+06 .150988629969D+05  
36 -.613260926262D+08 -.137674341101D+09 .177830820400D+05 .275454927997D+07 -.126308581162D+07 .818553313957D+05  
37 0 .167925713954D+05 .165856361695D+05 .165843139312D+05 .316539672109D+06 .246803583630D+05  
37 -.258355636908D+07 .146715093907D+09 .738727282642D+05 -.260357286650D+07 -.381006479988D+05 -.284704252856D+04  
37 -.565930696285D+08 -.139473688651D+09 .602570443616D+05 .242927758318D+07 -.859771632563D+06 .162228613121D+05  
37 -.599002527432D+08 -.138311006991D+09 .178516316534D+05 .275458132934D+07 -.123190663335D+07 .819233942013D+05  
38 0 .167932742595D+05 .165860975063D+05 .165849274492D+05 .349227472414D+06 .257942316939D+05  
38 -.441321580989D+07 .146677050870D+09 .718530722866D+05 -.260265137072D+07 -.701642497017D+05 -.289998193697D+04  
38 -.555213891019D+08 -.139936154938D+09 .581546297521D+05 .244409690078D+07 -.837417943064D+06 .176176576219D+05  
38 -.584714783044D+08 -.138931040971D+09 .179120610349D+05 .275540122982D+07 -.120190637912D+07 .816794757555D+05  
39 0 .167939771235D+05 .165865548600D+05 .165855409096D+05 .378921851640D+06 .268822470722D+05  
39 -.624208412473D+07 .146616476091D+09 .697966900867D+05 -.260132158464D+07 -.102213719451D+06 -.295156246559D+04  
39 -.544559999928D+08 -.140387907717D+09 .556971860632D+05 .246070233394D+07 -.814761751156D+06 .194116682686D+05  
39 -.570366011782D+08 -.139535932856D+09 .179639179953D+05 .275660305057D+07 -.117260356015D+07 .812403161448D+05

12 -.939873960875D+08 -.117480917914D+09 .162379092778D+05 .262451585286D+07 -.191929824844D+07 .142454330465D+04  
12 -.939873960875D+08 -.117480917914D+09 .162379092778D+05 .262451585281D+07 -.191929824853D+07 .142454329432D+04  
13 0 .167757026584D+05 .165692049358D+05 .165692049358D+05 .349275396376D+06 .115625661921D+05  
13 .408199316961D+08 .140904867025D+09 .109183013162D+06 -.250360982686D+07 .721541970975D+06 -.124834191336D+04  
13 -.926860191607D+08 -.118525702083D+09 .162676555430D+05 .263451736895D+07 -.189429462925D+07 .101402493876D+05  
13 -.926860191607D+08 -.118525702083D+09 .162676555429D+05 .263451736887D+07 -.189429462942D+07 .101402493687D+05  
14 0 .167764055225D+05 .165698541124D+05 .165698541124D+05 .347071240946D+06 .118873943062D+05  
14 .390571258310D+08 .141401210353D+09 .108278732192D+06 -.251238963731D+07 .690767096839D+06 -.13245688873D+04  
14 -.913868302264D+08 -.119545439812D+09 .162905989198D+05 .264234783818D+07 -.186784758909D+07 .183378183342D+05  
14 -.913868302343D+08 -.119545439807D+09 .162905988644D+05 .264234781046D+07 -.186784764622D+07 .183378121223D+05  
15 0 .167771083865D+05 .165705043315D+05 .165705043315D+05 .345893223473D+06 .122928809142D+05  
15 .372882869037D+08 .141875882284D+09 .107321088034D+06 -.252077647497D+07 .659876885827D+06 -.140019820283D+04  
15 -.900746228600D+08 -.120552378340D+09 .163092655286D+05 .264844836367D+07 -.183982033662D+07 .259428343900D+05  
15 -.900746228600D+08 -.120552378340D+09 .163092655286D+05 .264844836367D+07 -.183982033662D+07 .259428343900D+05  
16 0 .167778112505D+05 .165711573813D+05 .165711519237D+05 .345521312518D+06 .127734888644D+05  
16 .355136916614D+08 .142328803565D+09 .106310514457D+06 -.252876881433D+07 .628876499535D+06 -.147519121643D+04  
16 -.887424130217D+08 -.121550411094D+09 .165290460419D+05 .268245023360D+07 -.171738726480D+07 .414029793935D+05  
16 -.887569852535D+08 -.121540781949D+09 .163256731520D+05 .265313590362D+07 -.181057595071D+07 .327813037195D+05  
17 0 .167785141146D+05 .165718066786D+05 .165717936613D+05 .345444127355D+06 .133217126076D+05  
17 .337336178945D+08 .142759898578D+09 .105247471874D+06 -.253636521120D+07 .597771134958D+06 -.154951077860D+04  
17 -.874059290035D+08 -.122527757441D+09 .169564329250D+05 .268500777877D+07 -.158083761123D+07 .535192505507D+05  
17 -.874408339304D+08 -.122505901227D+09 .163416716600D+05 .265674869365D+07 -.178050251811D+07 .387467027554D+05  
18 0 .167792169786D+05 .165724598600D+05 .165724367226D+05 .345485689108D+06 .139390909843D+05  
18 .319483443804D+08 .143169095378D+09 .104132446245D+06 -.254356430157D+07 .566566025337D+06 -.162312136055D+04  
18 -.860497117454D+08 -.123495392348D+09 .176250893420D+05 .265387735802D+07 -.145580037838D+07 .597624690072D+05  
18 -.861116954302D+08 -.123458575730D+09 .163589940380D+05 .265964051645D+07 -.174948784754D+07 .438661358477D+05  
19 0 .167799198427D+05 .165731123893D+05 .165730747235D+05 .345375691037D+06 .146155884577D+05  
19 .301581508276D+08 .143556325705D+09 .102965947898D+06 -.255036480037D+07 .535266440883D+06 -.169598915133D+04  
19 -.846827178490D+08 -.124446003711D+09 .186109335537D+05 .259841275386D+07 -.135290753576D+07 .601629946410D+05  
19 -.847829913975D+08 -.124389365543D+09 .163784971952D+05 .266203774094D+07 -.171803195968D+07 .480746995293D+05  
20 0 .167806227067D+05 .165737746368D+05 .165737142195D+05 .344701212868D+06 .153556304410D+05  
20 .283633178201D+08 .143921525019D+09 .101748510303D+06 -.255676550005D+07 .503877689372D+06 -.176808211132D+04  
20 -.832823633386D+08 -.125393536370D+09 .200605677530D+05 .252910077254D+07 -.127563193118D+07 .557939587013D+05  
20 -.834412922155D+08 -.125307847171D+09 .164007255731D+05 .266415704022D+07 -.168596045371D+07 .514114803469D+05  
21 0 .167813255708D+05 .165744478930D+05 .165743492930D+05 .342842231767D+06 .161525308723D+05  
21 .265641267640D+08 .144264632522D+09 .100480688825D+06 -.252627652689D+07 .472405116577D+06 -.183936997619D+04  
21 -.818443837725D+08 -.126337598316D+09 .221867915008D+05 .245723520219D+07 -.122436845924D+07 .482865065076D+05  
21 -.820992214259D+08 -.126205515053D+09 .164248787108D+05 .266610062379D+07 -.165365835945D+07 .538298826776D+05  
22 0 .167820284348D+05 .165751554495D+05 .165749861891D+05 .338767097383D+06 .170186450244D+05  
22 .247608598351D+08 .144585591191D+09 .991630594880D+05 -.256836304900D+07 .440854106478D+06 -.190982419761D+04  
22 -.803162281803D+08 -.127306368566D+09 .254117734660D+05 .239066783297D+07 -.119432502006D+07 .392180780197D+05  
22 -.807437834678D+08 -.127091183934D+09 .164492154139D+05 .266793922262D+07 -.162082454838D+07 .552998411292D+05  
23 0 .167827312988D+05 .165813279053D+05 .165756219601D+05 .318901425561D+06 .179621896525D+05  
23 .229537999272D+08 .144884347796D+09 .977962178141D+05 -.257355785354D+07 .409230081016D+06 -.197941779847D+04  
23 -.663619776317D+08 -.134551833352D+09 .907513001950D+05 .229738025901D+07 -.107705368426D+07 .614452594441D+04  
23 -.793813832443D+08 -.127960635959D+09 .164693650032D+05 .266963975600D+07 -.158753064690D+07 .556735878095D+05  
24 0 .167834341629D+05 .165812464899D+05 .165762543243D+05 .276145431744D+06 .190031466185D+05  
24 .211432306038D+08 .145160852933D+09 .963807778076D+05 -.257834876373D+07 .377538499066D+06 -.204812510747D+04  
24 -.665661058864D+08 -.134505698668D+09 .869663184953D+05 .229930165777D+07 -.107579371735D+07 .684016368960D+04  
24 -.780171586946D+08 -.128810826666D+09 .164768046179D+05 .267108680431D+07 -.155369321714D+07 .546666227202D+05  
25 0 .167841370269D+05 .165812318620D+05 .165768885828D+05 .231310528944D+06 .201959159176D+05  
25 .193294360514D+08 .145415061047D+09 .949173711758D+05 -.258273492474D+07 .345784853998D+06 -.211592132411D+04  
25 -.666191159203D+08 -.134534539886D+09 .831125482707D+05 .230289552308D+07 -.107160559516D+07 .766130434111D+04  
25 -.766398590268D+08 -.129648877840D+09 .164538577781D+05 .267206944615D+07 -.151862062518D+07 .516572898762D+05  
26 0 .167848398910D+05 .165813190080D+05 .165775197479D+05 .185575366510D+06 .216157900685D+05



RESULTS PROGRAM ESTWS1, FROM A FILE OBTAINED BY PROGRAM VECSWS

INPUT FILE (resul. from VESWS): vecswws1.dat

SPCSM= .10000000000-01 IPA= 1 1 1 1 1 1 1 1 1 1 1 1 0 0 0 ICO= 2

0

Z0= .080000 T0= 16587.00000 NVO= 3 NC1= 0 NC2=250 DESP= 200.000

0	0	.167665654259D+05	.165610066017D+05	.165604798746D+05	.407324199325D+06	.145990178198D+05	
0	0	.630637406936D+08	.132522852722D+09	.115937716306D+06	-.235455810310D+07	.110882736003D+07	-.221788741478D+03
0	-	.107966411862D+09	-.104370041414D+09	.178824611358D+05	.188276409178D+07	-.169747415597D+07	.124960497768D+05
0	-	.109012739767D+09	-.103475373237D+09	.147856992601D+05	.232031456611D+07	-.211387283551D+07	-.734692352079D+05
1	0	.167672682899D+05	.165611672351D+05	.165611672351D+05	.410042328022D+06	.139450197949D+05	
1	0	.614039671319D+08	.133292096094D+09	.115753493311D+06	-.236826967120D+07	.108000801467D+07	-.302061405494D+03
1	-	.107807802281D+09	-.104748604281D+09	.149995486087D+05	.235474037270D+07	-.210109242506D+07	-.710360252552D+05
1	-	.107807802281D+09	-.104748604281D+09	.149995486087D+05	.235474037270D+07	-.210109242506D+07	-.710360252552D+05
2	0	.167679711540D+05	.165618476329D+05	.165618476329D+05	.405631508967D+06	.133491320377D+05	
2	0	.597346844633D+08	.134041019878D+09	.115512884105D+06	-.238161568101D+07	.105100876862D+07	-.382246896492D+03
2	-	.106600710088D+09	-.105994689987D+09	.151955620877D+05	.238822436316D+07	-.208843715789D+07	-.680375955483D+05
2	-	.106600710088D+09	-.105994689987D+09	.151955620877D+05	.238822436316D+07	-.208843715789D+07	-.680375955483D+05
3	0	.167686740180D+05	.165625313526D+05	.165625313526D+05	.400698657007D+06	.128089604748D+05	
3	0	.580561505356D+08	.134769499331D+09	.115215960181D+06	-.239459355186D+07	.102183447254D+07	-.462315779517D+03
3	-	.105373518693D+09	-.107232431408D+09	.153759534054D+05	.242099073663D+07	-.207554116793D+07	-.643205405965D+05
3	-	.105373518693D+09	-.107232431408D+09	.153759534060D+05	.242099073657D+07	-.207554116807D+07	-.643205406121D+05
4	0	.167693768820D+05	.165632128345D+05	.165632128345D+05	.395354046650D+06	.123348375709D+05	
4	0	.563686249884D+08	.135477413124D+09	.114862814883D+06	-.240720076698D+07	.992489990337D+06	-.542235338199D+03
4	-	.104136358957D+09	-.108451584987D+09	.155386087464D+05	.245246210149D+07	-.206231260157D+07	-.598204609924D+05
4	-	.104136358957D+09	-.108451584987D+09	.155386087467D+05	.245246210146D+07	-.206231260164D+07	-.598204609997D+05
5	0	.167700797461D+05	.165638870374D+05	.165638870374D+05	.389733060449D+06	.119338218569D+05	
5	0	.546723692050D+08	.136164643352D+09	.114453565606D+06	-.241943488219D+07	.962980198970D+06	-.621969929617D+03
5	-	.102898857210D+09	-.109643296886D+09	.156823418031D+05	.248211025533D+07	-.204864125890D+07	-.545228074051D+05
5	-	.102898857210D+09	-.109643296886D+09	.156823418031D+05	.248211025533D+07	-.204864125890D+07	-.545228074051D+05
6	0	.167707826101D+05	.165645635843D+05	.165645635843D+05	.383864682959D+06	.116037686675D+05	
6	0	.529676462599D+08	.136831075542D+09	.113988355676D+06	-.243129353157D+07	.933309990050D+06	-.701481480481D+03
6	-	.101643682191D+09	-.110824599879D+09	.158093162894D+05	.251004954572D+07	-.203410262525D+07	-.483331231471D+05
6	-	.101643682191D+09	-.110824599879D+09	.158093162894D+05	.251004954572D+07	-.203410262525D+07	-.483331231471D+05
7	0	.167714854742D+05	.165652327391D+05	.165652327391D+05	.377958711440D+06	.113525093970D+05	
7	0	.512547208614D+08	.137476598667D+09	.113467355874D+06	-.244277443103D+07	.903484272305D+06	-.780730018547D+03
7	-	.100389224883D+09	-.111978528426D+09	.159180927489D+05	.253558984418D+07	-.201866956704D+07	-.413672711248D+05
7	-	.100389224883D+09	-.111978528426D+09	.159180927501D+05	.253558984387D+07	-.201866956768D+07	-.413672711953D+05
8	0	.167721883382D+05	.165659037387D+05	.165659037387D+05	.372076147239D+06	.111791834956D+05	
8	0	.495338592942D+08	.138101105154D+09	.112890765589D+06	-.245387538036D+07	.873507974260D+06	-.859674187929D+03
8	-	.991185083399D+08	-.113121066793D+09	.160108709991D+05	.255883535017D+07	-.200189663667D+07	-.336087642316D+05
8	-	.991185083399D+08	-.113121066793D+09	.160108709997D+05	.255883534998D+07	-.200189663708D+07	-.336087642769D+05
9	0	.167728912022D+05	.165665717332D+05	.165665717332D+05	.366415747994D+06	.110880286166D+05	
9	0	.478053293595D+08	.138704490904D+09	.112258813620D+06	-.246459426429D+07	.843386046812D+06	-.938271727529D+03
9	-	.978409257367D+08	-.114243874934D+09	.160878186779D+05	.257940951771D+07	-.198368007261D+07	-.252393476285D+05
9	-	.978409257367D+08	-.114243874934D+09	.160878186779D+05	.257940951771D+07	-.198368007261D+07	-.252393476285D+05
10	0	.167735940663D+05	.165672323944D+05	.165672323944D+05	.361174280749D+06	.110804395112D+05	
10	0	.460694003151D+08	.139286655306D+09	.111571758654D+06	-.247492905294D+07	.813123465619D+06	-.101647990677D+04
10	-	.965652147605D+08	-.115339901804D+09	.161498935745D+05	.259710879563D+07	-.196398449357D+07	-.165001840889D+05
10	-	.965652147605D+08	-.115339901804D+09	.161498935745D+05	.259710879563D+07	-.196398449357D+07	-.165001840889D+05
11	0	.167742969303D+05	.165678943014D+05	.165678943014D+05	.356447693213D+06	.111572356754D+05	
11	0	.443263428158D+08	.139847501255D+09	.110829889457D+06	-.248487780178D+07	.782725233245D+06	-.109425591885D+04
11	-	.952751434907D+08	-.116423468880D+09	.161995143710D+05	.261217024959D+07	-.194244511699D+07	-.749597095217D+04
11	-	.952751434909D+08	-.116423468880D+09	.161995143716D+05	.261217024883D+07	-.194244511856D+07	-.749597112581D+04
12	0	.167749997944D+05	.165685490578D+05	.165685490578D+05	.352451509560D+06	.113175721140D+05	
12	0	.425764288533D+08	.140386935171D+09	.110033524802D+06	-.249443865137D+07	.752196381070D+06	-.117155723384D+04

-.9616877441800+08	-.1138952087160+09	.1463323636700+06	.1933650774710+07	-.1646793649180+07	.1187898851950+04
-.3121297708080+00	-.9495024766430+00	-.3193826896530-01	.2296429742580-01	.3553303766570-01	.2245206750780-02
.1693314420380+05	.0000000000000+00				
-.9480285381200+08	-.1150444479620+09	.1471391442960+06	.1953028504100+07	-.1623329132320+07	.1107731134680+04
-.3049388554450+00	-.9518583748070+00	-.3127185235740-01	.2277227478990-01	.3564065432570-01	.2240054563760-02
.1693384706780+05	.0000000000000+00				
-.9342341592260+08	-.1161771149490+09	.1478894429890+06	.1972113768410+07	-.1599637896410+07	.1027181526980+04
-.2976666134630+00	-.9541796971180+00	-.3058909670250-01	.2257910337720-01	.3574646411640-01	.2233945938330-02
.1693454993190+05	.0000000000000+00				
-.9203066724480+08	-.1172930516330+09	.1485829953090+06	.1990903920620+07	-.1575723671430+07	.9462609359110+03
-.2903115664660+00	-.9564652471480+00	-.2989022204390-01	.2238449659900-01	.3585024233710-01	.2226820565190-02
.1693525279590+05	.0000000000000+00				
-.9062481612470+08	-.1183921025980+09	.1492195439050+06	.2009396340490+07	-.1551590192720+07	.8649790732570+03
-.2828723986250+00	-.9587137197140+00	-.2917549877480-01	.2218809805340-01	.3595180733270-01	.2218610904210-02
.1693595566000+05	.0000000000000+00				
-.8920607273880+08	-.1194741150460+09	.1497988387590+06	.2027588442470+07	-.1527241184120+07	.7833477442420+03
-.2753480245830+00	-.9609236873660+00	-.2844525298880-01	.2198950074950-01	.3605107203170-01	.2209252143930-02
.1693665852400+05	.0000000000000+00				
-.8777464906460+08	-.1205389387910+09	.1503206401300+06	.2045477690080+07	-.1502680342470+07	.7013851477310+03
-.2677376498440+00	-.9630935927400+00	-.2769986424240-01	.2178829067800-01	.3614809685230-01	.2198696977640-02
.1693736138800+05	.0000000000000+00				
-.8633075883910+08	-.1215864262320+09	.1507847246520+06	.2063061616200+07	-.1477911329220+07	.6191203885470+03
-.2600407971100+00	-.9652217535710+00	-.2693975262710-01	.2158411514570-01	.3624312348840-01	.2186932573970-02
.1693806425210+05	.0000000000000+00				
-.8487461750270+08	-.1226164323300+09	.1511908942720+06	.2080337845400+07	-.1452937774680+07	.5365967249000+03
-.2522572854510+00	-.9673063817460+00	-.2616535439380-01	.2137676130470-01	.3633656489730-01	.2173993644110-02
.1693876711610+05	.0000000000000+00				
-.8340644212780+08	-.1236288145920+09	.1515389865110+06	.2097304111070+07	-.1427763298000+07	.4538718571630+03
-.2443871475080+00	-.9693456171170+00	-.2537709024800-01	.2116621474530-01	.3642893763030-01	.2159964036550-02
.1693946998020+05	.0000000000000+00				
-.8192645133970+08	-.1246234330740+09	.1518288835750+06	.2113958259590+07	-.1402391539270+07	.3710143315450+03
-.2364304961030+00	-.9713375692450+00	-.2457533490910-01	.2095266485000-01	.3652074999820-01	.2144962632100-02
.1694017284420+05	.0000000000000+00				
-.8043486524130+08	-.1256001504080+09	.1520605177420+06	.2130298237790+07	-.1376826193970+07	.2880967814700+03
-.2283873822360+00	-.9732803538160+00	-.2376039794970-01	.2073644525720-01	.3661238858670-01	.2129117225090-02
.1694087570830+05	.0000000000000+00				
-.7893190535020+08	-.1265588318500+09	.1522338715080+06	.2146322067680+07	-.1351071037800+07	.2051882731950+03
-.2202576921570+00	-.9751721122330+00	-.2293252205980-01	.2051793183920-01	.3670404876290-01	.2112536978420-02
.1694157857230+05	.0000000000000+00				
-.7741779455650+08	-.1274993453430+09	.1523489728250+06	.2162027817520+07	-.1325129934850+07	.1223483355660+03
-.2120411076890+00	-.9770110115670+00	-.2209189731510-01	.2029744180570-01	.3679573041130-01	.2095294192160-02
.1694228143630+05	.0000000000000+00				
-.7589275709880+08	-.1284215615730+09	.1524058872210+06	.2177413578870+07	-.1299006829880+07	.3962417759400+02
-.2037371305130+00	-.9787952288040+00	-.2123868453470-01	.2007516978540-01	.3688728436090-01	.2077419796580-02

0

.1691978978700+05	.000000000000+00				
-.1182201158930+09	-.9057028361340+08	.1225585987610+06	.1538049476410+07	-.2026370177720+07	.2533035471780+04
-.4294417185580+00	-.9021641479020+00	-.4098366263110-01	.2630900164570-01	.3337248854020-01	.2183600232220-02
.1692049265100+05	.000000000000+00				
-.1171305751980+09	-.9198795905480+08	.1243151235110+06	.1562199713920+07	-.2007577988810+07	.2464994611370+04
-.4234490160170+00	-.9050081482950+00	-.4063474318380-01	.2612654494570-01	.3350672417010-01	.2195226140910-02
.1692119551510+05	.000000000000+00				
-.1160241437140+09	-.9339232518430+08	.1260234857430+06	.1586111650350+07	-.1988499024030+07	.2395992766040+04
-.4174032249700+00	-.9078287926480+00	-.4026699671150-01	.2594427140890-01	.3363872519810-01	.2205865112640-02
.1692189837910+05	.000000000000+00				
-.1149009901470+09	-.9478318149550+08	.1276830182980+06	.1609781839160+07	-.1969136298700+07	.2326053998670+04
-.4113025067930+00	-.9106260427520+00	-.3988054874180-01	.2576197267440-01	.3376856802630-01	.2215503669890-02
.1692260124320+05	.000000000000+00				
-.1137612856070+09	-.9616032961070+08	.1292930719750+06	.1633206889400+07	-.1949492854010+07	.2255205348060+04
-.4051451115520+00	-.9133997594700+00	-.3947553653380-01	.2557947045800-01	.3389635057430-01	.2224134307380-02
.1692330410720+05	.000000000000+00				
-.1126052035700+09	-.9752357329910+08	.1308530176240+06	.1656383466710+07	-.1929571758850+07	.2183476822090+04
-.3989293709510+00	-.9161497093720+00	-.3905210635690-01	.2539661703320-01	.3402218857710-01	.2231755469010-02
.1692400697130+05	.000000000000+00				
-.1114329198330+09	-.9887271849720+08	.1323622481990+06	.1679308293760+07	-.1909376111820+07	.2110901284270+04
-.3926536891920+00	-.9188755718600+00	-.3861041055190-01	.2521329509940-01	.3414621139870-01	.2238371372710-02
.1692470983530+05	.000000000000+00				
-.1102446124770+09	-.1002075733310+09	.1338201806940+06	.1701978150330+07	-.1888909043750+07	.2037514226010+04
-.3863165308130+00	-.9215769470820+00	-.3815060455860-01	.2502941700160-01	.3426855716230-01	.2243991642190-02
.1692541269930+05	.000000000000+00				
-.1090404618280+09	-.1015279481380+09	.1352262578730+06	.1724389872820+07	-.1868173720420+07	.1963353416810+04
-.3799164075000+00	-.9242533636090+00	-.3767284392670-01	.2484492301410-01	.3438936716530-01	.2248630701750-02
.1692611556340+05	.000000000000+00				
-.1078206504120+09	-.1028336554960+09	.1365799497120+06	.1746540353290+07	-.1847173345550+07	.1888458429540+04
-.3734518628660+00	-.9269042862440+00	-.3717728155490-01	.2465977861200-01	.3450877953050-01	.2252306909700-02
.1692681842740+05	.000000000000+00				
-.1065853629250+09	-.1041245102470+09	.1378807544640+06	.1768426537860+07	-.1825911163970+07	.1812870047330+04
-.3669214583630+00	-.9295291225730+00	-.3666406527590-01	.2447397059820-01	.3462692233680-01	.2255041424570-02
.1692752129150+05	.000000000000+00				
-.1053347861890+09	-.1054003295300+09	.1391281992730+06	.1790045424720+07	-.1804390464710+07	.1736629568480+04
-.3603237559100+00	-.9321272300240+00	-.3613333604440-01	.2428750216910-01	.3474390651900-01	.2256856818710-02
.1692822415550+05	.000000000000+00				
-.1040691091170+09	-.1066609328110+09	.1403218402650+06	.1811394061570+07	-.1782614583760+07	.1659778034960+04
-.3536573054590+00	-.9346979201450+00	-.3558522686930-01	.2410038694320-01	.3485981872520-01	.2257775468000-02
.1692892701950+05	.000000000000+00				
-.1027885226830+09	-.1079061419200+09	.1414612620860+06	.1832469542770+07	-.1760586906520+07	.1582355415890+04
-.3469206316840+00	-.9372404624900+00	-.3501986269110-01	.2391264208790-01	.3497471448250-01	.2257817760620-02
.1692962988360+05	.000000000000+00				
-.1014932198860+09	-.1091357810810+09	.1425460768530+06	.1853269006210+07	-.1738310869390+07	.1504399779370+04
-.3401122253230+00	-.9397540860910+00	-.3443736141150-01	.2372428071350-01	.3508861213260-01	.2257000161280-02
.1693033274760+05	.000000000000+00				
-.1001833957240+09	-.1103496769560+09	.1435759225370+06	.1873789629980+07	-.1715789960630+07	.1425946486940+04
-.3332305375610+00	-.9422379793230+00	-.3383783620780-01	.2353530346860-01	.3520148748580-01	.2255333164020-02
.1693103561170+05	.000000000000+00				
-.9885924716200+08	-.1115476586730+09	.1445504607890+06	.1894028628940+07	-.1693027720070+07	.1347027447500+04
-.3262739815690+00	-.9446912869170+00	-.3322139932770-01	.2334568936550-01	.3531327011250-01	.2252819173240-02
.1693173847570+05	.000000000000+00				
-.9752097311470+08	-.1127295578680+09	.1454693742840+06	.1913983251200+07	-.1670027737490+07	.1267670479020+04
-.3192409376880+00	-.9471131057290+00	-.3258816748600-01	.2315538578210-01	.3542384169880-01	.2249450374340-02
.1693244133980+05	.000000000000+00				

- .536004685353D+00	- .843069963705D+00	- .439546764177D-01	.300739585999D-01	.304515089781D-01	.179496137732D-02
.169071382342D+05	.000000000000D+00				
- .134766394096D+09	- .630170618274D+08	.835509720489D+05	.106676114360D+07	- .231232851849D+07	.356831605044D+04
- .530633623624D+00	- .846459713100D+00	- .439762615292D-01	.298594613973D-01	.306262612304D-01	.182437463894D-02
.169078410983D+05	.000000000000D+00				
- .134006823287D+09	- .646377116503D+08	.860428170782D+05	.109456995086D+07	- .229917555153D+07	.352197527965D+04
- .525245648655D+00	- .849813518779D+00	- .439771744206D-01	.296473744924D-01	.307970965119D-01	.185269453860D-02
.169085439623D+05	.000000000000D+00				
- .133227766293D+09	- .662489992093D+08	.885015545593D+05	.112220838672D+07	- .228568854900D+07	.347411075171D+04
- .519838751140D+00	- .853132699857D+00	- .439575846470D-01	.294371604735D-01	.309641563076D-01	.187986705149D-02
.169092468264D+05	.000000000000D+00				
- .132429344341D+09	- .678506904746D+08	.909261191868D+05	.114967225721D+07	- .227186964784D+07	.342474015380D+04
- .514411167409D+00	- .856418347991D+00	- .439176965347D-01	.292283660672D-01	.311277741945D-01	.190585466994D-02
.169099496904D+05	.000000000000D+00				
- .131611681575D+09	- .694425529149D+08	.933154617096D+05	.117695745930D+07	- .225772097808D+07	.337389206699D+04
- .508961387703D+00	- .859671335129D+00	- .438577403051D-01	.290207128636D-01	.312884649911D-01	.193065287582D-02
.169106525545D+05	.000000000000D+00				
- .130774904984D+09	- .710243555006D+08	.956685575212D+05	.120405999639D+07	- .224324468739D+07	.332160814112D+04
- .503488103996D+00	- .862892357111D+00	- .437779530595D-01	.288141616578D-01	.314468493842D-01	.195430022436D-02
.169113554185D+05	.000000000000D+00				
- .129919144332D+09	- .725958687281D+08	.979844156277D+05	.123097597719D+07	- .222844297734D+07	.326794184957D+04
- .497990098983D+00	- .866082008381D+00	- .436785539394D-01	.286089122779D-01	.316035297117D-01	.197687529333D-02
.169120582825D+05	.000000000000D+00				
- .129044532083D+09	- .741568646711D+08	.100262085474D+06	.125770159589D+07	- .221331813983D+07	.321295377573D+04
- .492466106975D+00	- .869240866590D+00	- .435597214248D-01	.284053271859D-01	.317589648518D-01	.199847969458D-02
.169127611466D+05	.000000000000D+00				
- .128151203356D+09	- .757071170534D+08	.102500659669D+06	.128423309960D+07	- .219787258069D+07	.315670503828D+04
- .486914691335D+00	- .872369560290D+00	- .434215803636D-01	.282038081812D-01	.319133962882D-01	.201921412959D-02
.169134640106D+05	.000000000000D+00				
- .127239295901D+09	- .772464013316D+08	.104699272142D+06	.131056675730D+07	- .218210882420D+07	.309925123987D+04
- .481334174000D+00	- .875468801139D+00	- .432642019600D-01	.280046787468D-01	.320668472903D-01	.203915777484D-02
.169141668747D+05	.000000000000D+00				
- .126308950088D+09	- .787744947752D+08	.106857092786D+06	.133669883313D+07	- .216602950084D+07	.304063873357D+04
- .475722628081D+00	- .878539377955D+00	- .430876143914D-01	.278081128513D-01	.322191779602D-01	.205835779250D-02
.169148697387D+05	.000000000000D+00				
- .125360308918D+09	- .802911765334D+08	.108973320471D+06	.136262558054D+07	- .214963732611D+07	.298090366542D+04
- .470077918880D+00	- .881582124406D+00	- .428918186730D-01	.276141194587D-01	.323701602528D-01	.207682935194D-02
.169155726028D+05	.000000000000D+00				
- .124393518028D+09	- .817962276877D+08	.111047176186D+06	.138834324295D+07	- .213293507859D+07	.292007315003D+04
- .464397768464D+00	- .884597876433D+00	- .426768046620D-01	.274225668070D-01	.325195433157D-01	.209456225262D-02
.169162754668D+05	.000000000000D+00				
- .123408725698D+09	- .832894312892D+08	.113077897456D+06	.141384806363D+07	- .211592558194D+07	.285816753885D+04
- .458679823982D+00	- .887587431091D+00	- .424425640284D-01	.272332235525D-01	.326670966260D-01	.211152963054D-02
.169169783308D+05	.000000000000D+00				
- .122406082842D+09	- .847705723856D+08	.115064734463D+06	.143913629778D+07	- .209861169267D+07	.279520290525D+04
- .452921714801D+00	- .890551514604D+00	- .421890992865D-01	.270457996472D-01	.328126317118D-01	.212769579728D-02
.169176811949D+05	.000000000000D+00				
- .121385743003D+09	- .862394380420D+08	.117006947843D+06	.146420422394D+07	- .208099629290D+07	.273119323847D+04
- .447121097162D+00	- .893490759569D+00	- .419164292143D-01	.268599788969D-01	.329560090717D-01	.214302207050D-02
.169183840589D+05	.000000000000D+00				
- .120347862325D+09	- .876958173567D+08	.118903807846D+06	.148904815362D+07	- .206308228687D+07	.266615215915D+04
- .441275684062D+00	- .896405691657D+00	- .416245915345D-01	.266754415892D-01	.330971369858D-01	.215747060838D-02
.169190869230D+05	.000000000000D+00				
- .119292599530D+09	- .891395014770D+08	.120754594543D+06	.151366443863D+07	- .204487259975D+07	.260009416205D+04
- .435383265227D+00	- .899296722557D+00	- .413136437292D-01	.264918789310D-01	.332359669843D-01	.217100672867D-02

-.1453568529790+09	-.3076772822360+08	.3142509279820+05	.5118058153490+06	-.2496113617570+07	.4131203158860+04
-.6323099718720+00	-.7736878709170+00	-.3988957089470-01	.3467843476980-01	.2666271095650-01	.1088806709380-02
.1689448668150+05	.0000000000000+00				
-.1449864994940+09	-.3251991357520+08	.3432444255460+05	.5420212207400+06	-.2489669539500+07	.4118544823370+04
-.6268781014180+00	-.7780740409340+00	-.4030673377550-01	.3438073060960-01	.2691234914980-01	.1137953341720-02
.1689518954550+05	.0000000000000+00				
-.1445949387500+09	-.3426744073370+08	.3721415441900+05	.5721503088530+06	-.2482858902930+07	.4103784413060+04
-.6214649942730+00	-.7823840185760+00	-.4070022567260-01	.3408814013020-01	.2715569603500-01	.1185789484440-02
.1689589240960+05	.0000000000000+00				
-.1441822330450+09	-.3601005243820+08	.4009276348200+05	.6021884510190+06	-.2475682799920+07	.4086957910380+04
-.6160690529710+00	-.7866207175750+00	-.4107028918570-01	.3380060882260-01	.2739318705830-01	.1232333803540-02
.1689659527360+05	.0000000000000+00				
-.1437484479170+09	-.3774749221870+08	.4295883061790+05	.6321310519450+06	-.2468142389800+07	.4068102698600+04
-.6106886787750+00	-.7907869219100+00	-.4141716736430-01	.3351810024290-01	.2762523608580-01	.1277608467660-02
.1689729813770+05	.0000000000000+00				
-.1432936521260+09	-.3947950444460+08	.4581094345560+05	.6619735484850+06	-.2460238900680+07	.4047257508850+04
-.6053222605440+00	-.7948853007600+00	-.4174110115790-01	.3324059298740-01	.2785223225250-01	.1321639166030-02
.1689800100170+05	.0000000000000+00				
-.1428179176250+09	-.4120583437280+08	.4864771727880+05	.6917114080820+06	-.2451973631110+07	.4024462266440+04
-.5999681628150+00	-.7989184228560+00	-.4204232665010-01	.3296807693930-01	.2807453634220-01	.1364454931070-02
.1689870386570+05	.0000000000000+00				
-.1423213195440+09	-.4292622819820+08	.5146779578040+05	.7213401268910+06	-.2443347951740+07	.3999757833270+04
-.5946247136240+00	-.8028887698780+00	-.4232107219040-01	.3270054878100-01	.2829247678880-01	.1406087746470-02
.1689940672980+05	.0000000000000+00				
-.1418039361700+09	-.4464043310500+08	.5426985160020+05	.7508552276320+06	-.2434363306840+07	.3973185647200+04
-.5892901922080+00	-.8067987488410+00	-.4257755533860-01	.3243800682290-01	.2850634542890-01	.1446571927140-02
.1690010959380+05	.0000000000000+00				
-.1412658489270+09	-.4634819731870+08	.5705258657360+05	.7802522572390+06	-.2425021215750+07	.3944787262930+04
-.5839628172640+00	-.8106507030280+00	-.4281198119670-01	.3218044518340-01	.2871639312480-01	.1485943262080-02
.1690081245790+05	.0000000000000+00				
-.1407071423610+09	-.4804927015950+08	.5981473162620+05	.8095267843440+06	-.2415323273880+07	.3914603801700+04
-.5786407361560+00	-.8144469212810+00	-.4302453806720-01	.3192784737660-01	.2892282540110-01	.1524237912240-02
.1690151532190+05	.0000000000000+00				
-.1401279041260+09	-.4974340209570+08	.6255504625060+05	.8386743966580+06	-.2405271153360+07	.3882675319230+04
-.5733220158840+00	-.8181896451980+00	-.4321539763670-01	.3168017925270-01	.2912579824730-01	.1561491051390-02
.1690221818600+05	.0000000000000+00				
-.1395282249730+09	-.5143034479810+08	.6527231751520+05	.8676906982670+06	-.2394866602920+07	.3849040104020+04
-.5680046362260+00	-.8218810740700+00	-.4338471287910-01	.3143738124000-01	.2932541436660-01	.1597735232070-02
.1690292105000+05	.0000000000000+00				
-.1389081987350+09	-.5310985119310+08	.6796535855870+05	.8965713069100+06	-.2384111447040+07	.3813733922470+04
-.5626864861380+00	-.8255233670070+00	-.4353261813940-01	.3119935969620-01	.2952172032290-01	.1632998452420-02
.1690362391400+05	.0000000000000+00				
-.1382679223230+09	-.5478167551550+08	.7063300654450+05	.9253118512790+06	-.2373007583690+07	.3776789239610+04
-.5573653649360+00	-.8291186414400+00	-.4365923025090-01	.3096597721800-01	.2971470539620-01	.1667301907400-02
.1690432677810+05	.0000000000000+00				
-.1376074957170+09	-.5644557335890+08	.7327412007150+05	.9539079685390+06	-.2361556980460+07	.3738234467710+04
-.5520389894580+00	-.8326689674910+00	-.4376465122440-01	.3073704193460-01	.2990430361930-01	.1700657452760-02
.1690502964210+05	.0000000000000+00				
-.1369270219610+09	-.5810130172270+08	.7588757609480+05	.9823553024060+06	-.2349761668290+07	.3698093339530+04
-.5467050100490+00	-.8361763567390+00	-.4384897283250-01	.3051229625830-01	.3009040120820-01	.1733064926340-02
.1690573250620+05	.0000000000000+00				
-.1362266071580+09	-.5974861905320+08	.7847226649450+05	.1010649502490+07	-.2337623732180+07	.3656384572000+04
-.5413610377090+00	-.8396427443990+00	-.4391228334660-01	.3029140673470-01	.3027285263220-01	.1764509716190-02
.1690643537020+05	.0000000000000+00				
-.1355063604670+09	-.6138728527750+08	.8102709458290+05	.1038786226010+07	-.2325145298410+07	.3613122076370+04



.168811322647D+05	.000000000000+00				
-.148345765829D+09	.127131469090D+07	-.205974366425D+05	-.413695103688D+05	-.254855057991D+07	.395930264032D+04
-.735236303987D+00	-.677229131514D+00	-.280763375125D-01	.410988460271D-01	.205468620562D-01	-.374743162484D-04
.168818351287D+05	.000000000000+00				
-.148363967527D+09	-.520087100433D+06	-.178032776603D+05	-.104230416162D+05	-.254882157176D+07	.399099174760D+04
-.729177854273D+00	-.683711211686D+00	-.289592101665D-01	.406828630562D-01	.209885309326D-01	.388896815824D-04
.168825379928D+05	.000000000000+00				
-.148360417767D+09	-.231154735555D+07	-.149878670815D+05	.205235305545D+05	-.254871688974D+07	.401978071306D+04
-.723165242350D+00	-.690031287857D+00	-.298136551813D-01	.402720790118D-01	.214164945660D-01	.113321975165D-03
.168832408568D+05	.000000000000+00				
-.148335118048D+09	-.410280194670D+07	-.121532271809D+05	.514657277062D+05	-.254823633799D+07	.404571827273D+04
-.717198700063D+00	-.696194806599D+00	-.306401026828D-01	.398678915460D-01	.218312635411D-01	.185846314722D-03
.168839437209D+05	.000000000000+00				
-.148288073043D+09	-.589358667291D+07	-.930134075154D+04	.823989795819D+05	-.254737989896D+07	.406886688573D+04
-.711277856700D+00	-.702207519703D+00	-.314389860030D-01	.394712720922D-01	.222330648577D-01	.256538805163D-03
.168846465849D+05	.000000000000+00				
-.148219290681D+09	-.768363737296D+07	-.643414403618D+04	.113318599621D+06	-.254614769637D+07	.408929529348D+04
-.705401797131D+00	-.708075402127D+00	-.322107048597D-01	.390827242496D-01	.226220083689D-01	.325498086295D-03
.168853494490D+05	.000000000000+00				
-.148128782222D+09	-.947269001045D+07	-.355352478586D+04	.144219791405D+06	-.254453995570D+07	.410707178930D+04
-.699569182946D+00	-.713804515325D+00	-.329556091392D-01	.387023633162D-01	.229982205412D-01	.392820893585D-03
.168860523130D+05	.000000000000+00				
-.148016562330D+09	-.112604807340D+08	-.661324266039D+03	.175097674047D+06	-.254255697402D+07	.412225984657D+04
-.693778387483D+00	-.719400869383D+00	-.336739987771D-01	.383300436412D-01	.233619145432D-01	.458588569901D-03
.168867551770D+05	.000000000000+00				
-.147882649121D+09	-.130467459208D+08	.224065856213D+04	.205947313343D+06	-.254019910229D+07	.413491622977D+04
-.688027612484D+00	-.724870314884D+00	-.343661324391D-01	.379654770225D-01	.237134061039D-01	.522863088826D-03
.168874580411D+05	.000000000000+00				
-.147727064187D+09	-.148312222110D+08	.515066221254D+04	.236763750032D+06	-.253746673803D+07	.414509089758D+04
-.682314974397D+00	-.730218472748D+00	-.350322390158D-01	.376083179861D-01	.240530989044D-01	.585688638375D-03
.168881609051D+05	.000000000000+00				
-.147549832610D+09	-.166136465403D+08	.806695816251D+04	.267542021605D+06	-.253436032440D+07	.415282787916D+04
-.676638561648D+00	-.735450696922D+00	-.356725284806D-01	.372582151783D-01	.243814595740D-01	.647095372507D-03
.168888637692D+05	.000000000000+00				
-.147350982956D+09	-.183937561727D+08	.109878471114D+05	.298277177454D+06	-.253088035256D+07	.415816651096D+04
-.670996469612D+00	-.740572060525D+00	-.362872007366D-01	.369148376704D-01	.246989935707D-01	.707103371157D-03
.168895666332D+05	.000000000000+00				
-.147130547262D+09	-.201712887350D+08	.139116561260D+05	.328964288645D+06	-.252702736487D+07	.416114268272D+04
-.665386820332D+00	-.745587356786D+00	-.368764522203D-01	.365778858386D-01	.250062262564D-01	.765726002093D-03
.168902694972D+05	.000000000000+00				
-.146888561021D+09	-.219459822542D+08	.168367366146D+05	.359598453888D+06	-.252280195811D+07	.416178993693D+04
-.659807772670D+00	-.750501108288D+00	-.374404805457D-01	.362470940750D-01	.253036896582D-01	.822972518929D-03
.168909723613D+05	.000000000000+00				
-.146625063162D+09	-.237175751966D+08	.197614630090D+05	.390174803033D+06	-.251820478611D+07	.416014038016D+04
-.654257526578D+00	-.755317580517D+00	-.379794875926D-01	.359222298403D-01	.255919138875D-01	.878849996481D-03
.168916752253D+05	.000000000000+00				
-.146340096022D+09	-.254858065090D+08	.226842320227D+05	.420688499069D+06	-.251323656170D+07	.415622541767D+04
-.648734323779D+00	-.760040797355D+00	-.384936813896D-01	.356030915080D-01	.258714218685D-01	.933364771760D-03
.168923780894D+05	.000000000000+00				
-.146033705329D+09	-.272504156601D+08	.256034623720D+05	.451134739232D+06	-.250789805830D+07	.415007634073D+04
-.643236446100D+00	-.764674557257D+00	-.389832770757D-01	.352895061322D-01	.261427261745D-01	.986523542461D-03
.168930809534D+05	.000000000000+00				
-.145705940171D+09	-.290111426840D+08	.285175948670D+05	.481508755600D+06	-.250219011099D+07	.414172479600D+04
-.637762212033D+00	-.769222449606D+00	-.394484971160D-01	.349813275446D-01	.264063270518D-01	.103833423476D-02
.168937838175D+05	.000000000000+00				



-.857151214905D+00	-.515030573019D+00	-.594168682152D-02	.488917209228D-01	.816207070316D-02	-.174025441429D-02
.168684807119D+05	.000000000000D+00				
-.144316343081D+09	.332081509620D+08	-.648849625697D+05	-.593093478733D+06	-.248027203729D+07	.287724005256D+04
-.850555905548D+00	-.525833333789D+00	-.734551648851D-02	.485285103124D-01	.903761073517D-02	-.164223186170D-02
.168691835760D+05	.000000000000D+00				
-.144722615800D+09	.314624128290D+08	-.628321105352D+05	-.562941755025D+06	-.248716711437D+07	.296363422324D+04
-.843955259696D+00	-.536342606514D+00	-.872514011026D-02	.481529233920D-01	.988693936764D-02	-.154458902509D-02
.168698864400D+05	.000000000000D+00				
-.145107666900D+09	.297119542867D+08	-.607196296793D+05	-.532708019427D+06	-.249370371822D+07	.304690882879D+04
-.837356087955D+00	-.546564888607D+00	-.100799061175D-01	.477667395563D-01	.107100212637D-01	-.144750541484D-02
.168705893041D+05	.000000000000D+00				
-.145471440155D+09	.279570278057D+08	-.585497219701D+05	-.502396316304D+06	-.249988039962D+07	.312703919880D+04
-.830764536418D+00	-.556507065370D+00	-.114092604534D-01	.473716499369D-01	.115069100851D-01	-.135113747145D-02
.168712921681D+05	.000000000000D+00				
-.145813882211D+09	.261978868546D+08	-.563246027581D+05	-.472010774582D+06	-.250569576884D+07	.320401184688D+04
-.824186093118D+00	-.566176359699D+00	-.127127349462D-01	.469692409478D-01	.122777375871D-01	-.125561764268D-02
.168719950322D+05	.000000000000D+00				
-.146134942644D+09	.244347858563D+08	-.540464931014D+05	-.441555609404D+06	-.251114850057D+07	.327782390664D+04
-.817625600608D+00	-.575580280210D+00	-.139899343345D-01	.465609778235D-01	.130227022852D-01	-.116105389239D-02
.168726978962D+05	.000000000000D+00				
-.146434574027D+09	.226679801415D+08	-.517176125599D+05	-.411035123487D+06	-.251623733802D+07	.334848236196D+04
-.811087275101D+00	-.584726567426D+00	-.152405221775D-01	.461481880078D-01	.137420581844D-01	-.106752970691D-02
.168734007602D+05	.000000000000D+00				
-.146712731985D+09	.208977258992D+08	-.493401726103D+05	-.380453708124D+06	-.252096109603D+07	.341600303939D+04
-.804574732836D+00	-.593623137356D+00	-.164642059589D-01	.457320443058D-01	.144361043945D-01	-.975104721318D-03
.168741036243D+05	.000000000000D+00				
-.146969375263D+09	.191242801256D+08	-.469163708674D+05	-.349815843627D+06	-.252531866265D+07	.348040931215D+04
-.798091024787D+00	-.602278021398D+00	-.176607218403D-01	.453135479778D-01	.151051770108D-01	-.883816187928D-03
.168748064883D+05	.000000000000D+00				
-.147204465785D+09	.173479005730D+08	-.444483863387D+05	-.319126098785D+06	-.252930899845D+07	.354173044476D+04
-.791638681345D+00	-.610699300873D+00	-.188298197745D-01	.448935126048D-01	.157496454736D-01	-.793681662552D-03
.168755093524D+05	.000000000000D+00				
-.147417968717D+09	.155688456996D+08	-.419383759929D+05	-.288389128562D+06	-.253293113286D+07	.359999949151D+04
-.785219769281D+00	-.618895033992D+00	-.199712501123D-01	.444725509198D-01	.163699167307D-01	-.704703483688D-03
.168762122164D+05	.000000000000D+00				
-.147609852527D+09	.137873746239D+08	-.393884729862D+05	-.257609668627D+06	-.253618415652D+07	.365525067460D+04
-.778835963744D+00	-.626873172779D+00	-.210847534647D-01	.440510693020D-01	.169664516268D-01	-.616875804474D-03
.168769150804D+05	.000000000000D+00				
-.147780089034D+09	.120037470853D+08	-.368007869168D+05	-.226792524652D+06	-.253906720908D+07	.370751624705D+04
-.772488637748D+00	-.634641468194D+00	-.221700563824D-01	.436292785649D-01	.175397981161D-01	-.530194922198D-03
.168776179445D+05	.000000000000D+00				
-.147928653457D+09	.102182234154D+08	-.341774064126D+05	-.195942553594D+06	-.254157946293D+07	.375682305147D+04
-.766178969183D+00	-.642207364802D+00	-.232268761476D-01	.432072344238D-01	.180906431558D-01	-.444673058304D-03
.168783208085D+05	.000000000000D+00				
-.148055524436D+09	.843106452123D+07	-.315204040854D+05	-.165064634401D+06	-.254372010556D+07	.380318936790D+04
-.759908059224D+00	-.649577893335D+00	-.242549379712D-01	.427849235855D-01	.186198766060D-01	-.360354047267D-03
.168790236726D+05	.000000000000D+00				
-.148160684040D+09	.664253187969D+07	-.288318432920D+05	-.134163627746D+06	-.254548832675D+07	.384662314860D+04
-.753677044828D+00	-.656759581032D+00	-.252540060659D-01	.423624047472D-01	.191286445834D-01	-.277326377040D-03
.168797265366D+05	.000000000000D+00				
-.148244117731D+09	.485288753652D+07	-.261137852273D+05	-.103244329789D+06	-.254688331981D+07	.388712307471D+04
-.747487174013D+00	-.663758412697D+00	-.262239253596D-01	.419399892050D-01	.196183520552D-01	-.195725837760D-03
.168804294007D+05	.000000000000D+00				
-.148305814309D+09	.306239409699D+07	-.233682939454D+05	-.723114327538D+05	-.254790430559D+07	.392468347964D+04
-.741339805079D+00	-.670579879253D+00	-.271646635411D-01	.415184038111D-01	.200905729379D-01	-.115720066032D-03

-.1326590695360+09	.6515273918700+08	-.8999226093090+05	-.1145536195620+07	-.2283323350940+07	.7546228687970+03
-.9635993705940+00	-.2664428490280+00	.2201047914780-01	.5120227982600-01	-.1133519546880-01	-.3282903207990-02
.1685582915920+05	.0000000000000+00				
-.1334544243950+09	.6354314721150+08	-.8941703783260+05	-.1117621614420+07	-.2296717058760+07	.8820291579220+03
-.9589174403310+00	-.2829496525830+00	.2041657984050-01	.5136511593540-01	-.1012854651210-01	-.3221521792680-02
.1685653202320+05	.0000000000000+00				
-.1342301070690+09	.6192425616750+08	-.8875258766790+05	-.1089559531460+07	-.2309783601730+07	.1008496596020+04
-.9540186412260+00	-.2991561349580+00	.1881592701650-01	.5148792760180-01	-.8927744141960-02	-.3156143156690-02
.1685723488730+05	.0000000000000+00				
-.1349860150320+09	.6029629654740+08	-.8799961754940+05	-.1061353203890+07	-.2322521436030+07	.1133889449110+04
-.9489169214130+00	-.3150562854030+00	.1721084785190-01	.5157110483100-01	-.7734599867120-02	-.3086882373980-02
.1685793775130+05	.0000000000000+00				
-.1357220480360+09	.5865949994270+08	-.8715893266880+05	-.1033005857870+07	-.2334928979370+07	.1258064629570+04
-.9436262833730+00	-.3306447677900+00	.1560368101480-01	.5161529257520-01	-.6550934450070-02	-.3013897744220-02
.1685864061540+05	.0000000000000+00				
-.1364381080900+09	.5701409906830+08	-.8623144082850+05	-.1004520699990+07	-.2347004619110+07	.1380873606590+04
-.9381607191230+00	-.3459169785280+00	.1399675179640-01	.5162135683380-01	-.5378554469930-02	-.2937382729240-02
.1685934347940+05	.0000000000000+00				
-.1371340994560+09	.5536032778160+08	-.8521815548780+05	-.9759009290670+06	-.2358746717320+07	.1502164642210+04
-.9325341438730+00	-.3608690900560+00	.1239235057120-01	.5159035736660-01	-.4219226893710-02	-.2857559075330-02
.1686004634340+05	.0000000000000+00				
-.1378099286450+09	.5369842109880+08	-.8412019723080+05	-.9471497474390+06	-.2370153614350+07	.1621785008430+04
-.9267603301620+00	-.3754980795690+00	.1079271411560-01	.5152352498420-01	-.3074655382330-02	-.2774671024010-02
.1686074920750+05	.0000000000000+00				
-.1384655044210+09	.5202861520980+08	-.8293879373140+05	-.9182703712970+06	-.2381223631690+07	.1739583031850+04
-.9208528438170+00	-.3898017443040+00	.9200009360750-02	.5142224169130-01	-.1946459843420-02	-.2688980361740-02
.1686145207150+05	.0000000000000+00				
-.1391007378180+09	.5035114748980+08	-.8167527835860+05	-.8892660399760+06	-.2391955075020+07	.1855409914880+04
-.9148249826520+00	-.4037787052290+00	.7616319268150-02	.5128802246880-01	-.8361596521970-03	-.2600762067280-02
.1686215493560+05	.0000000000000+00				
-.1397155421580+09	.4866625650940+08	-.8033108758140+05	-.8601400242280+06	-.2402346237530+07	.1969121332000+04
-.9086897185110+00	-.4174284010490+00	.6043630633770-02	.5112249791610-01	.2548395267310-03	-.2510300369150-02
.1686285779960+05	.0000000000000+00				
-.1403098330720+09	.4697418204240+08	-.7890775732570+05	-.8308956335550+06	-.2412395403740+07	.2080578820450+04
-.9024596430980+00	-.4307510741760+00	.4483823717010-02	.5092739728070-01	.1325255573930-02	-.2417885081630-02
.1686356066370+05	.0000000000000+00				
-.1408835285360+09	.4527516506980+08	-.7740691841820+05	-.8015362226900+06	-.2422100853920+07	.2189650990300+04
-.8961469179250+00	-.4437477501340+00	.2938663660020-02	.5070453160650-01	.2373936721670-02	-.2323808134150-02
.1686426352770+05	.0000000000000+00				
-.1414365489000+09	.4356944778170+08	-.7583029123670+05	-.7720651973620+06	-.2431460868970+07	.2296214576860+04
-.8897632285890+00	-.4564202115740+00	.1409793707270-02	.5045577685080-01	.3399865647350-02	-.2228360244790-02
.1686496639170+05	.0000000000000+00				
-.1419688169270+09	.4185727357460+08	-.7417967967100+05	-.7424860194250+06	-.2440473735730+07	.2400155353180+04
-.8833197436030+00	-.4687709678580+00	-.1012697377030-03	.5018305690400-01	.4402161149510-02	-.2131827716390-02
.1686566925580+05	.0000000000000+00				
-.1424802578360+09	.4013888704520+08	-.7245696448730+05	-.7128022114650+06	-.2449137752680+07	.2501368913910+04
-.8768270779310+00	-.4808032209860+00	-.1593140170370-02	.4988832649190-01	.5380077673340-02	-.2034489355810-02
.1686637211980+05	.0000000000000+00				
-.1429707993410+09	.3841453398070+08	-.7066409618620+05	-.6830173609550+06	-.2457451235890+07	.2599761335150+04
-.8702952613920+00	-.4925208284500+00	-.3064562114420-02	.4957355398290-01	.6333002925150-02	-.1936613534120-02
.1686707498390+05	.0000000000000+00				
-.1434403717040+09	.3668446134350+08	-.6880308744020+05	-.6531351240140+06	-.2465412525190+07	.2695249709200+04
-.8637337120720+00	-.5039282634750+00	-.4514410290940-02	.4924070414470-01	.7260453785270-02	-.1838455418400-02
.1686777784790+05	.0000000000000+00				
-.1438889077830+09	.3494891725300+08	-.6687600520070+05	-.6231592288260+06	-.2473019990340+07	.2787762548760+04

.1684247474240+05	.0000000000000+00				
-.1151093801900+09	.9227768192260+08	-.8496387559200+05	-.1619063063190+07	-.1987627141390+07	-.1497570942050+04
-.9964296225270+00	.7004650119950-01	.4713273830070-01	.4210658047090-01	-.3135875504000-01	-.3628026348710-02
.1684317760640+05	.0000000000000+00				
-.1162386928540+09	.9087392601140+08	-.8597702527680+05	-.1594361655730+07	-.2006710340760+07	-.1384972465090+04
-.9976779880540+00	.5020035014790-01	.4602778506210-01	.4287908485020-01	-.3044675410670-01	-.3652041488290-02
.1684388047050+05	.0000000000000+00				
-.1173505703400+09	.8945686429120+08	-.8691025203070+05	-.1569451935120+07	-.2025488571730+07	-.1270161879560+04
-.9985301295750+00	.3039114501140-01	.4487715048520-01	.4362783518430-01	-.2950502184500-01	-.3671510445520-02
.1684458333450+05	.0000000000000+00				
-.1184448676630+09	.8802671165160+08	-.8776202541180+05	-.1544337967730+07	-.2043960304600+07	-.1153208218510+04
-.9989888429850+00	.1063682130930-01	.4368237199520-01	.4435043408290-01	-.2853398194250-01	-.3686126805570-02
.1684528619860+05	.0000000000000+00				
-.1195214426810+09	.8658368405510+08	-.8853086313570+05	-.1519023768230+07	-.2062124014020+07	-.1034179999480+04
-.9990578583950+00	-.9044239926390-02	.4244522709120-01	.4504452190010-01	-.2753403960500-01	-.3695562068730-02
.1684598906260+05	.0000000000000+00				
-.1205801560450+09	.8512799853790+08	-.8921533221950+05	-.1493513272660+07	-.2079978168340+07	-.9131501497850+03
-.9987418885910+00	-.2863312028420-01	.4116775918200-01	.4570788769630-01	-.2650558098110-01	-.3699484725450-02
.1684669192660+05	.0000000000000+00				
-.1216208711370+09	.8365987321610+08	-.8981405510490+05	-.1467810298510+07	-.2097521227760+07	-.7902054687410+03
-.9980466895920+00	-.4811029564410-01	.3985228785640-01	.4633863510640-01	-.2544901935060-01	-.3697600155350-02
.1684739479070+05	.0000000000000+00				
-.1226434539640+09	.8217952728700+08	-.9032572427160+05	-.1441918493670+07	-.2114751659590+07	-.6654612847400+03
-.9969791262270+00	-.6745565283960-01	.3850138656620-01	.4693538819570-01	-.2436492560890-01	-.3689715364280-02
.1684809765470+05	.0000000000000+00				
-.1236477730230+09	.8068718101190+08	-.9074912854190+05	-.1415841285480+07	-.2131667978250+07	-.5390794290340+03
-.9955472236020+00	-.8664868021960-01	.3711780966880-01	.4749747177520-01	-.2325426881370-01	-.3675818673040-02
.1684880051880+05	.0000000000000+00				
-.1246336991300+09	.7918305566110+08	-.9108319148770+05	-.1389581853820+07	-.2148268809610+07	-.4112832480060+03
-.9937601717370+00	-.1056689148290+00	.3570436259130-01	.4802494315750-01	-.2211873200630-01	-.3656140117120-02
.1684950338280+05	.0000000000000+00				
-.1256011052610+09	.7766737341100+08	-.9132701643580+05	-.1363143157120+07	-.2164552960470+07	-.2823596040830+03
-.9916282474710+00	-.1244966468120+00	.3426373811980-01	.4851835613690-01	-.2096096219640-01	-.3631140917480-02
.1685020624690+05	.0000000000000+00				
-.1265498664120+09	.7614035720030+08	-.9147992575440+05	-.1336528023980+07	-.2180519455490+07	-.1526399479350+03
-.9891626401290+00	-.1431137237350+00	.3279837574370-01	.4897827491260-01	-.1978454973660-01	-.3601402764020-02
.1685090911090+05	.0000000000000+00				
-.1274798595640+09	.7460223058350+08	-.9154147991060+05	-.1309739285010+07	-.2196167506830+07	-.2246337229040+02
-.9863752139240+00	-.1615041663080+00	.3131040756940-01	.4940476666440-01	-.1859364180680-01	-.3567456218040-02
.1685161197490+05	.0000000000000+00				
-.1283909637220+09	.7305321763000+08	-.9151146856610+05	-.1282779888260+07	-.2211496416890+07	.1078627624140+03
-.9832782781540+00	-.1796543502930+00	.2980171355040-01	.4979716792360-01	-.1739235165270-01	-.3529643072910-02
.1685231483900+05	.0000000000000+00				
-.1292830600240+09	.7149354290390+08	-.9138987856690+05	-.1255652950850+07	-.2226505456580+07	.2380868640110+03
-.9798844291960+00	-.1975527363080+00	.2827404812590-01	.5015422636810-01	-.1618427960890-01	-.3488082792940-02
.1685301770300+05	.0000000000000+00				
-.1301560318510+09	.6992343152190+08	-.9117685287030+05	-.1228361740720+07	-.2241193770830+07	.3680149534860+03
-.9762064810750+00	-.2151893530960+00	.2672917171540-01	.5047446058320-01	-.1497234514970-01	-.3442732800720-02
.1685372056710+05	.0000000000000+00				
-.1310097649200+09	.6834310925950+08	-.9087265441990+05	-.1200909618880+07	-.2255560337210+07	.4974964878530+03
-.9722574566690+00	-.232552889770+00	.2516893958740-01	.5075650648680-01	-.1375889168020-01	-.3393481663240-02
.1685442343110+05	.0000000000000+00				
-.1318441473240+09	.6675280266960+08	-.9047764235130+05	-.1173299977600+07	-.2269603970410+07	.6264051877560+03
-.9680505985080+00	-.2496423416940+00	.2359533769940-01	.5099932611990-01	-.1254590244080-01	-.3340224331710-02
.1685512629510+05	.0000000000000+00				

-.899726431555D+00	.432519164580D+00	.584766674152D-01	.255670614905D-01	-.428398930025D-01	-.258426438108D-02
.168298231896D+05	.000000000000D+00				
-.919830713849D+08	.115032254507D+09	-.550984479118D+05	-.202331916672D+07	-.159404803577D+07	-.306990326142D+04
-.907967657382D+00	.414958087186D+00	.583482564164D-01	.264377680964D-01	-.425002963355D-01	-.265748620709D-02
.168305260537D+05	.000000000000D+00				
-.933980939296D+08	.113903320562D+09	-.572344567025D+05	-.200308066487D+07	-.161829010424D+07	-.300760044953D+04
-.915904695697D+00	.397158614858D+00	.581689181945D-01	.273148712472D-01	-.421342944065D-01	-.272953812804D-02
.168312289177D+05	.000000000000D+00				
-.947987917450D+08	.112757440870D+09	-.593255978273D+05	-.198255881855D+07	-.164226664961D+07	-.294223112246D+04
-.923527512928D+00	.379130725845D+00	.579381185918D-01	.281975989665D-01	-.417411228302D-01	-.280027624098D-02
.168319317818D+05	.000000000000D+00				
-.961849671090D+08	.111594803135D+09	-.613697142786D+05	-.196175770401D+07	-.166597462757D+07	-.287379169870D+04
-.930826413883D+00	.360885081232D+00	.576554018383D-01	.290850909313D-01	-.413200644194D-01	-.286955449464D-02
.168326346458D+05	.000000000000D+00				
-.975564251761D+08	.110415597159D+09	-.633646489842D+05	-.194068142919D+07	-.168941110564D+07	-.280228560074D+04
-.937792095173D+00	.342432999048D+00	.573203924768D-01	.299763977138D-01	-.408704523940D-01	-.293722489916D-02
.168333375099D+05	.000000000000D+00				
-.989129739977D+08	.109220014769D+09	-.653082497782D+05	-.191933412984D+07	-.171257326256D+07	-.272772338558D+04
-.944415696199D+00	.323786425595D+00	.569327969857D-01	.308704799940D-01	-.403916742151D-01	-.300313771555D-02
.168340403739D+05	.000000000000D+00				
-.100254424541D+09	.108008249735D+09	-.671983744481D+05	-.189771996537D+07	-.173545838756D+07	-.265012282755D+04
-.950688847576D+00	.304957904072D+00	.564924051361D-01	.317662078048D-01	-.398831758166D-01	-.306714159856D-02
.168347432379D+05	.000000000000D+00				
-.101580590704D+09	.106780497691D+09	-.690328958189D+05	-.187584311476D+07	-.175806387930D+07	-.256950893874D+04
-.956603716781D+00	.285960540689D+00	.559990911461D-01	.326623598704D-01	-.393444660437D-01	-.312908366604D-02
.168354461020D+05	.000000000000D+00				
-.102891289327D+09	.105536956066D+09	-.708097068250D+05	-.185370777230D+07	-.178038724445D+07	-.248591391279D+04
-.962153050828D+00	.266807968625D+00	.554528147194D-01	.335576230874D-01	-.387751211298D-01	-.318880946579D-02
.168361489660D+05	.000000000000D+00				
-.104186340202D+09	.104277824001D+09	-.725267255128D+05	-.183131814341D+07	-.180242609588D+07	-.239937697799D+04
-.967330215762D+00	.247514310330D+00	.548536220853D-01	.344505921795D-01	-.381747890517D-01	-.324616280784D-02
.168368518301D+05	.000000000000D+00				
-.105465566082D+09	.103003302278D+09	-.741818999024D+05	-.180867844058D+07	-.182417815028D+07	-.230994414643D+04
-.972129232813D+00	.228094138793D+00	.542016471919D-01	.353397695357D-01	-.375431936001D-01	-.330098542468D-02
.168375546941D+05	.000000000000D+00				
-.106728792679D+09	.101713593250D+09	-.757732126344D+05	-.178579287934D+07	-.184564122516D+07	-.221766784673D+04
-.976544811109D+00	.208562438543D+00	.534971132444D-01	.362235652120D-01	-.368801379799D-01	-.335311641466D-02
.168382575581D+05	.000000000000D+00				
-.107975848670D+09	.100408900769D+09	-.772986853135D+05	-.176266567456D+07	-.186681323533D+07	-.212260642796D+04
-.980572376906D+00	.188934567330D+00	.527403348260D-01	.371002970529D-01	-.361855077175D-01	-.340239141220D-02
.168389604222D+05	.000000000000D+00				
-.109206565692D+09	.990894301189D+08	-.787563824541D+05	-.173930103690D+07	-.188769218846D+07	-.202482352292D+04
-.984208099420D+00	.169226219599D+00	.519317208991D-01	.379681908668D-01	-.354592725860D-01	-.344864141429D-02
.168396632862D+05	.000000000000D+00				
-.110420778341D+09	.977553879530D+08	-.801444149264D+05	-.171570316964D+07	-.190827618002D+07	-.192438725910D+04
-.987448913442D+00	.149453393160D+00	.510717790541D-01	.388253805968D-01	-.347014871730D-01	-.349169117565D-02
.168403661503D+05	.000000000000D+00				
-.111618324161D+09	.964069822347D+08	-.814609427909D+05	-.169187626591D+07	-.192856338718D+07	-.182136930865D+04
-.990292539071D+00	.129632360748D+00	.501611214614D-01	.396699084801D-01	-.339122895949D-01	-.353135706993D-02
.168410690143D+05	.000000000000D+00				
-.112799043641D+09	.950444221815D+08	-.827041774088D+05	-.166782450614D+07	-.194855206171D+07	-.171584377643D+04
-.992737499137D+00	.109779648637D+00	.492004730850D-01	.404997253605D-01	-.330918977247D-01	-.356744431259D-02
.168417718784D+05	.000000000000D+00				
-.113962780203D+09	.936679182160D+08	-.838723827176D+05	-.164355205585D+07	-.196824052161D+07	-.160788594554D+04
-.994783135087D+00	.899120249835D-01	.481906828210D-01	.413126916866D-01	-.322406021547D-01	-.359974347601D-02

- .626590348049D+08	.133030621879D+09	- .872157991491D+04	- .234888596692D+07	- .108782149914D+07	- .371223767475D+04
- .711257324283D+00	.700925784772D+00	.530665892613D-01	.114656074067D-01	- .455735227060D-01	- .121089525513D-02
.168171716369D+05	.000000000000D+00				
- .643050356123D+08	.132255977457D+09	- .113273670780D+05	- .233475125703D+07	- .111639810999D+07	- .370211582390D+04
- .723217531207D+00	.688529592699D+00	.536973233228D-01	.121537727615D-01	- .455397224438D-01	- .128530606849D-02
.168178745009D+05	.000000000000D+00				
- .659409776902D+08	.131461314506D+09	- .139251599117D+05	- .232026431156D+07	- .114478349669D+07	- .368948394519D+04
- .735052901618D+00	.675832291712D+00	.542949841413D-01	.128547024045D-01	- .454943072360D-01	- .136010935954D-02
.168185773650D+05	.000000000000D+00				
- .675666144579D+08	.130646768966D+09	- .165131836915D+05	- .230542797654D+07	- .117297331766D+07	- .367431478251D+04
- .746753680549D+00	.662834428813D+00	.548585505382D-01	.135686808306D-01	- .454375341806D-01	- .143530021477D-02
.168192802290D+05	.000000000000D+00				
- .691817013833D+08	.129812479771D+09	- .190896501118D+05	- .229024524278D+07	- .120096339231D+07	- .365659667141D+04
- .758310304949D+00	.649536574600D+00	.553869990582D-01	.142956102075D-01	- .453697828352D-01	- .151090212368D-02
.168199830931D+05	.000000000000D+00				
- .707859960986D+08	.128958588753D+09	- .216527669515D+05	- .227471928061D+07	- .122874963677D+07	- .36363288879D+04
- .769713525102D+00	.635939144633D+00	.558792770020D-01	.150350068814D-01	- .452912490246D-01	- .158694550293D-02
.168206859571D+05	.000000000000D+00				
- .723792585279D+08	.128085240606D+09	- .242007427136D+05	- .225885343907D+07	- .125632798218D+07	- .361351252327D+04
- .780954375231D+00	.622042371565D+00	.563342860440D-01	.157861508271D-01	- .452016904999D-01	- .166344023255D-02
.168213888211D+05	.000000000000D+00				
- .739612510026D+08	.127192582898D+09	- .267317844633D+05	- .224265120958D+07	- .128369431187D+07	- .358814104550D+04
- .792024012866D+00	.607846444653D+00	.567508834016D-01	.165483027545D-01	- .451003520038D-01	- .174035783228D-02
.168220916852D+05	.000000000000D+00				
- .755317383425D+08	.126280766114D+09	- .292440901835D+05	- .222611617387D+07	- .131084444044D+07	- .356019462273D+04
- .802913509814D+00	.593351749880D+00	.571278974980D-01	.173208685990D-01	- .449860700921D-01	- .181763019693D-02
.168227945492D+05	.000000000000D+00				
- .770904879032D+08	.125349943700D+09	- .317358389179D+05	- .220925195954D+07	- .133777413277D+07	- .352963945675D+04
- .813613680158D+00	.578559116244D+00	.574641494420D-01	.181034535592D-01	- .448574580164D-01	- .189515979910D-02
.168234974133D+05	.000000000000D+00				
- .786372695981D+08	.124400272086D+09	- .342051818531D+05	- .219206221492D+07	- .136447914430D+07	- .349643075500D+04
- .824114987456D+00	.563470004753D+00	.577584729244D-01	.188958274308D-01	- .447130706629D-01	- .197283221123D-02
.168242002773D+05	.000000000000D+00				
- .801718559100D+08	.123431910675D+09	- .366502361027D+05	- .217455060215D+07	- .139095526351D+07	- .346051709618D+04
- .834407528649D+00	.548086624018D+00	.580097294126D-01	.196978536052D-01	- .445515064510D-01	- .205052527261D-02
.168249031413D+05	.000000000000D+00				
- .816940219013D+08	.122445021808D+09	- .390690815386D+05	- .215672080135D+07	- .141719834608D+07	- .342184454743D+04
- .844481070794D+00	.532411986228D+00	.582168188044D-01	.205094209851D-01	- .443714510682D-01	- .212811386511D-02
.168256060054D+05	.000000000000D+00				
- .832035452297D+08	.121439770708D+09	- .414597602013D+05	- .213857651886D+07	- .144320433791D+07	- .338035983062D+04
- .854325115848D+00	.516449925303D+00	.583786869187D-01	.213303944580D-01	- .441716851979D-01	- .220547157788D-02
.168263088694D+05	.000000000000D+00				
- .847002061699D+08	.120416325413D+09	- .438202775725D+05	- .212012149542D+07	- .146896928869D+07	- .333601248331D+04
- .863928976312D+00	.500205095050D+00	.584943311352D-01	.221605842814D-01	- .439510759602D-01	- .228247080433D-02
.168270117335D+05	.000000000000D+00				
- .861837876394D+08	.119374856698D+09	- .461486050761D+05	- .210135951215D+07	- .149448935887D+07	- .328875623327D+04
- .873281852386D+00	.483682958310D+00	.585628050377D-01	.229997292178D-01	- .437085639611D-01	- .235898229958D-02
.168277145975D+05	.000000000000D+00				
- .876540752290D+08	.118315537997D+09	- .484426833452D+05	- .208229439426D+07	- .151976082265D+07	- .323854984816D+04
- .882372906560D+00	.466889772653D+00	.585832225116D-01	.238474880677D-01	- .434431514821D-01	- .243487470218D-02
.168284174616D+05	.000000000000D+00				
- .891108572338D+08	.117238545322D+09	- .507004259664D+05	- .206293001256D+07	- .154478006888D+07	- .318535767031D+04
- .891191334402D+00	.449832574847D+00	.585547614901D-01	.247034357375D-01	- .431538936826D-01	- .251001420168D-02
.168291203256D+05	.000000000000D+00				
- .905539246857D+08	.116144057182D+09	- .529197235319D+05	- .204327028329D+07	- .156954360085D+07	- .312914997842D+04



.168038172201D+05	.000000000000+00				
-.316031487119D+08	.143416218774D+09	.377152131569D+05	-.254016020191D+07	-.546301488229D+06	-.351634390947D+04
-.483880698736D+00	.874338890412D+00	.372957652227D-01	.832212525630D-03	-.448942657861D-01	.149898964334D-04
.168045200841D+05	.000000000000+00				
-.333859686853D+08	.143021281166D+09	.352338132030D+05	-.253278925648D+07	-.577477280858D+06	-.354417769572D+04
-.496782844565D+00	.867027648292D+00	.383387851083D-01	.134504368559D-02	-.449662919274D-01	-.466396124598D-04
.168052229482D+05	.000000000000+00				
-.351634695143D+08	.142604466409D+09	.327334928139D+05	-.252502484231D+07	-.608552061962D+06	-.357017710565D+04
-.509682443161D+00	.859461477668D+00	.393671885988D-01	.186643729480D-02	-.450360881878D-01	-.109039030378D-03
.168059258122D+05	.000000000000+00				
-.369353752206D+08	.142165847327D+09	.302155515890D+05	-.251686861548D+07	-.639520629586D+06	-.359431298489D+04
-.522574575739D+00	.851636811775D+00	.403801141855D-01	.239650840328D-02	-.451035023907D-01	-.172208499636D-03
.168066286763D+05	.000000000000+00				
-.387014110206D+08	.141705500398D+09	.276813094130D+05	-.250832231775D+07	-.670377802300D+06	-.361655674677D+04
-.535454222394D+00	.843550084878D+00	.413766845340D-01	.293536545847D-02	-.451683493592D-01	-.236149258386D-03
.168073315403D+05	.000000000000+00				
-.404613033842D+08	.141223505732D+09	.251321061046D+05	-.249938777584D+07	-.701118418296D+06	-.363688022612D+04
-.548316253798D+00	.835197733903D+00	.423560043405D-01	.348311153489D-02	-.452304053905D-01	-.300863441224D-03
.168080344043D+05	.000000000000+00				
-.422147800954D+08	.140719947060D+09	.225693011875D+05	-.249006690071D+07	-.731737334457D+06	-.365525548028D+04
-.561155419031D+00	.826576203086D+00	.433171580771D-01	.403984555428D-02	-.452894023300D-01	-.366353767862D-03
.168087372684D+05	.000000000000+00				
-.439615703103D+08	.140194911725D+09	.199942738207D+05	-.248036168671D+07	-.762229425340D+06	-.367165453114D+04
-.573966329359D+00	.817681952409D+00	.442592077113D-01	.460566359940D-02	-.453450211680D-01	-.432623098378D-03
.168094401324D+05	.000000000000+00				
-.457014046161D+08	.139648490662D+09	.174084229335D+05	-.247027421055D+07	-.792589582084D+06	-.368604904036D+04
-.586743437721D+00	.808511470738D+00	.451811905108D-01	.518066049790D-02	-.453968850983D-01	-.499673824596D-03
.168101429965D+05	.000000000000+00				
-.474340150881D+08	.139080778394D+09	.148131676147D+05	-.245980663006D+07	-.822812711228D+06	-.369840990819D+04
-.599481013674D+00	.799061294726D+00	.460821170851D-01	.576493196807D-02	-.454445520467D-01	-.567507055827D-03
.168108458605D+05	.000000000000+00				
-.491591353463D+08	.138491873020D+09	.122099478143D+05	-.244896118252D+07	-.852893733492D+06	-.370870678551D+04
-.612173113452D+00	.789328034771D+00	.469609698721D-01	.635857779100D-02	-.454875068389D-01	-.636121545025D-03
.168115487246D+05	.000000000000+00				
-.508765006104D+08	.137881876202D+09	.960022542019D+04	-.243774018230D+07	-.882827582664D+06	-.371690749164D+04
-.624813544849D+00	.779308409520D+00	.478167023564D-01	.696170671274D-02	-.455251535162D-01	-.705512293562D-03
.168122515886D+05	.000000000000+00				
-.525858477529D+08	.137250893159D+09	.698548577751D+04	-.242614601745D+07	-.912609204913D+06	-.372297734084D+04
-.637395826717D+00	.768999290563D+00	.486482394179D-01	.757444406831D-02	-.455568089592D-01	-.775668782057D-03
.168129544526D+05	.000000000000+00				
-.542869153495D+08	.136599032659D+09	.436723970598D+04	-.241418114492D+07	-.942233559137D+06	-.372687840629D+04
-.649913143325D+00	.758397758836D+00	.494544793279D-01	.819694336693D-02	-.455817001345D-01	-.846572827878D-03
.168136573167D+05	.000000000000+00				
-.559794437250D+08	.135926407007D+09	.174702603443D+04	-.240184808376D+07	-.971695619479D+06	-.372856880488D+04
-.662358294859D+00	.747501173599D+00	.502342980311D-01	.882940301384D-02	-.455989691386D-01	-.918196215823D-03
.168143601807D+05	.000000000000+00				
-.576631749939D+08	.135233132034D+09	-.873585418105D+03	-.238914940608D+07	-.100099038175D+07	-.372800218290D+04
-.674723647505D+00	.736307252829D+00	.509865563534D-01	.947208835750D-02	-.456076927777D-01	-.990498557405D-03
.168150630448D+05	.000000000000+00				
-.593378530941D+08	.134519327076D+09	-.349299066166D+04	-.237608772622D+07	-.103011287628D+07	-.372512773110D+04
-.687001090487D+00	.724814159727D+00	.517101105157D-01	.101253562513D-01	-.456069259358D-01	-.106342636193D-02
.168157659088D+05	.000000000000+00				
-.610032238127D+08	.133785114946D+09	-.610954869273D+04	-.236266568977D+07	-.105905818999D+07	-.371989122725D+04
-.699182013425D+00	.713020582575D+00	.524038255079D-01	.107896730295D-01	-.455957778920D-01	-.113691496314D-02
.168164687728D+05	.000000000000+00				



-.2438943869430+00	.9696736657350+00	.1576419986760-01	-.7531068385710-02	-.4324202730380-01	.1037217805270-02
.1679116566730+05	.0000000000000+00				
.1077038467660+07	.1467233635290+09	.7779469018510+05	-.2604188154550+07	.2605527817000+05	-.2737354595860+04
-.2560897806610+00	.9665046100000+00	.1693703306360-01	-.7143299472680-02	-.4333200628540-01	.9901088982170-03
.1679186853140+05	.0000000000000+00				
-.7533392324450+06	.1467304046120+09	.7585108717260+05	-.2604084363640+07	-.6019830758980+04	-.2792949850030+04
-.2683473579420+00	.9631519912870+00	.1810903547420-01	-.6750290722700-02	-.4342325696030-01	.9423745856330-03
.1679257139540+05	.0000000000000+00				
-.2583500236040+07	.1467149019850+09	.7386887232350+05	-.2603571596030+07	-.3809194487160+05	-.2847221326910+04
-.2806651843360+00	.9596120816900+00	.1927970372670-01	-.6352373925000-02	-.4351563614100-01	.8939917614530-03
.1679327425950+05	.0000000000000+00				
-.4413157201600+07	.1466768596940+09	.7184898258610+05	-.2602650180780+07	-.7015552794460+05	-.2900150921920+04
-.2930414623210+00	.9558810386760+00	.2044850266530-01	-.5949683527110-02	-.4360878539710-01	.8449247368480-03
.1679397712350+05	.0000000000000+00				
-.6242023029860+07	.1466162857000+09	.6979236711530+05	-.2601320476210+07	-.1022049790000+06	-.2951721492800+04
-.3054743584990+00	.9519549433940+00	.2161485710200-01	-.5542152669250-02	-.4370225327360-01	.7951360468590-03
.1679467998750+05	.0000000000000+00				
-.8069810882400+07	.1465331919150+09	.6769998754530+05	-.2599582866990+07	-.1342346671500+06	-.3001914357180+04
-.3179618660540+00	.9478298410400+00	.2277815114520-01	-.5129562938230-02	-.4379559195280-01	.7445932800780-03
.1679538285160+05	.0000000000000+00				
-.9896234202930+07	.1464275942080+09	.6557281959430+05	-.2597437773410+07	-.1662389613460+06	-.3050707999830+04
-.3305017213390+00	.9435017738070+00	.2393773204020-01	-.4711607443970-02	-.4388841021910-01	.6932718443710-03
.1679608571560+05	.0000000000000+00				
-.1172100674720+08	.1462995124030+09	.6341185520830+05	-.2594885665320+07	-.1982122506180+06	-.3098077770490+04
-.3430913685330+00	.9389668036820+00	.2509291576510-01	-.4287942851120-02	-.4398039083250-01	.6411550983520-03
.1679678857970+05	.0000000000000+00				
-.1354384262240+08	.1461489702530+09	.6121810468610+05	-.2591927075440+07	-.2301489553810+06	-.3143996176430+04
-.3557279570600+00	.9342210262570+00	.2624299268960-01	-.3858223479500-02	-.4407128749310-01	.5882332561750-03
.1679749144370+05	.0000000000000+00				
-.1536445633570+08	.1459759954230+09	.5899259848930+05	-.2588562609810+07	-.2620435323050+06	-.3188433437540+04
-.3684083574390+00	.9292605779130+00	.2738723252460-01	-.3422119988450-02	-.4416091332920-01	.5345019396490-03
.1679819430780+05	.0000000000000+00				
-.1718256284800+08	.1457806194600+09	.5673638863550+05	-.2584792955160+07	-.2938904752830+06	-.3231358097230+04
-.3811291855060+00	.9240816385480+00	.2852488833500-01	-.2979327688050-02	-.4424912759860-01	.4799607864830-03
.1679889717180+05	.0000000000000+00				
-.1899787763270+08	.1455628777700+09	.5445054967330+05	-.2580618883450+07	-.3256843143670+06	-.3272737587480+04
-.3938868290500+00	.9186804313990+00	.2965519963380-01	-.2529568848650-02	-.4433582347240-01	.4246122548560-03
.1679960003580+05	.0000000000000+00				
-.2081011673660+08	.1453228095890+09	.5213617928900+05	-.2576041254560+07	-.3574196138440+06	-.3312538709870+04
-.4066774737770+00	.9130532209570+00	.3077739466330-01	-.2072591945760-02	-.4442091770850-01	.3684606430610-03
.1680030289990+05	.0000000000000+00				
-.2261899684220+08	.1450604579630+09	.4979439860750+05	-.2571061017620+07	-.3890909701050+06	-.3350728027020+04
-.4194971270960+00	.9071963095840+00	.3189069197620-01	-.1608169557670-02	-.4450434212980-01	.3115113000100-03
.1680100576390+05	.0000000000000+00				
-.2442423533050+08	.1447758697250+09	.4742635224690+05	-.2565679211440+07	-.4206930096160+06	-.3387272172170+04
-.4323416391520+00	.9011060332330+00	.3299430141470-01	-.1136095823420-02	-.4458603653130-01	.2537699937250-03
.1680170862800+05	.0000000000000+00				
-.2622555034440+08	.1444690954770+09	.4503320818070+05	-.2559896964550+07	-.4522203871240+06	-.3422138087990+04
-.4452067208750+00	.8947787565500+00	.3408742456510-01	-.6561838957960-03	-.4466594261060-01	.1952424087350-03
.1680241149200+05	.0000000000000+00				
-.2802266085130+08	.1441401895660+09	.4261615745470+05	-.2553715494800+07	-.4836677841030+06	-.3455293204850+04
-.4580879589880+00	.8882108676160+00	.3516925474870-01	-.1682635694680-03	-.4474399857450-01	.1359337503130-03
.1680311435610+05	.0000000000000+00				
-.2981528670570+08	.1437892100680+09	.4017641379710+05	-.2547136108910+07	-.5150299074290+06	-.3486705566680+04
-.4709808279410+00	.8813987725700+00	.3623897659270-01	.3278208622240-03	-.4482013414840-01	.7584844045500-04

.355136991935D+08	.142328603709D+09	.106311489027D+06	-.252876608869D+07	.628884817136D+06	-.147554200107D+04
-.376606311029D-01	.999278705972D+00	-.487284878128D-02	-.136282163556D-01	-.415880033554D-01	.175392318943D-02
.167785141146D+05	.000000000000D+00				
.337336275691D+08	.142759698814D+09	.105248227158D+06	-.253636254618D+07	.597779470973D+06	-.154985492332D+04
-.483732010008D-01	.998822192418D+00	-.377642122341D-02	-.133251228688D-01	-.416800757298D-01	.172072361051D-02
.167792169786D+05	.000000000000D+00				
.319483562163D+08	.143168895729D+09	.104132980590D+06	-.254356169796D+07	.566574379832D+06	-.162345871437D+04
-.591793059300D-01	.998243793690D+00	-.267172411023D-02	-.130180680914D-01	-.417724768942D-01	.168676908146D-02
.167799198427D+05	.000000000000D+00				
.301581648432D+08	.143556126197D+09	.102966259727D+06	-.255036225895D+07	.535274813936D+06	-.169631956489D+04
-.700779818235D-01	.997540297695D+00	-.155914683532D-02	-.127071020385D-01	-.418652646333D-01	.165206781177D-02
.167806227067D+05	.000000000000D+00				
.283633340338D+08	.143921325677D+09	.101748598120D+06	-.255676302160D+07	.503886081064D+06	-.176840543602D+04
-.810682820601D-01	.996708453284D+00	-.439085105186D-03	-.123922691400D-01	-.419584624795D-01	.161662348846D-02
.167813255708D+05	.000000000000D+00				
.265641451939D+08	.144264433373D+09	.100480551214D+06	-.256276285420D+07	.472413526988D+06	-.183968606317D+04
-.921492731546D-01	.995744966362D+00	.688055920143D-03	-.120736028671D-01	-.420520546838D-01	.158043491910D-02
.167820284348D+05	.000000000000D+00				
.247608804991D+08	.144585392262D+09	.991626951164D+05	-.256836069878D+07	.440862535674D+06	-.191013289677D+04
-.103320024341D+00	.994646496703D+00	.182185801615D-02	-.117511193956D-01	-.421459813118D-01	.154349579156D-02
.167827312988D+05	.000000000000D+00				
.229538228431D+08	.144884149114D+09	.977956254369D+05	-.257355556858D+07	.409238529043D+06	-.197971895740D+04
-.114579589907D+00	.993409656088D+00	.296188588684D-02	-.114248099026D-01	-.422401339636D-01	.150579462852D-02
.167834341629D+05	.000000000000D+00				
.211432557892D+08	.145160654527D+09	.963799562710D+05	-.257834654480D+07	.377546965937D+06	-.204841857048D+04
-.125926982927D+00	.992031008544D+00	.410768292241D-02	-.110946310475D-01	-.423343531536D-01	.146731507346D-02
.167841370269D+05	.000000000000D+00				
.193294635236D+08	.145414862946D+09	.949163194224D+05	-.258273277264D+07	.345793339684D+06	-.211620693146D+04
-.137361138991D+00	.990507073606D+00	.525876702942D-02	-.107604933122D-01	-.424284292629D-01	.142803672703D-02
.167848398910D+05	.000000000000D+00				
.175127308124D+08	.145646732689D+09	.934053640099D+05	-.258671345664D+07	.313983173290D+06	-.218305944027D+04
-.148880868887D+00	.988834333667D+00	.641462707370D-02	-.104222474187D-01	-.425221102637D-01	.138793685073D-02
.167855427550D+05	.000000000000D+00				
.156933429611D+08	.145856225963D+09	.918477566414D+05	-.259028785583D+07	.282122010932D+06	-.224895074695D+04
-.160484800580D+00	.987009246354D+00	.757472080365D-02	-.100796704463D-01	-.426151209414D-01	.134699332315D-02
.167862456190D+05	.000000000000D+00				
.138715857782D+08	.146043308876D+09	.902441823668D+05	-.259345527983D+07	.250215404242D+06	-.231385349235D+04
-.172171314038D+00	.985028262370D+00	.873847549663D-02	-.973245609313D-02	-.427071992877D-01	.130518916008D-02
.167869484831D+05	.000000000000D+00				
.120477455401D+08	.146207951435D+09	.885953465985D+05	-.259621508846D+07	.218268892380D+06	-.237773684637D+04
-.183938478615D+00	.982887847752D+00	.990529281731D-02	-.938021792951D-02	-.427981540275D-01	.126251848309D-02
.167876513471D+05	.000000000000D+00				
.102221089536D+08	.146350127528D+09	.869019780434D+05	-.259856669820D+07	.186287976849D+06	-.244056516967D+04
-.195784011641D+00	.980584506775D+00	.110745591053D-01	-.902251884452D-02	-.428879393974D-01	.121899281011D-02
.167883542112D+05	.000000000000D+00				
.839496311124D+07	.146469814890D+09	.851648323606D+05	-.260050959948D+07	.154278096083D+06	-.250229741233D+04
-.207705285652D+00	.978114798017D+00	.122456609707D-01	-.865893874364D-02	-.429767267263D-01	.117464502176D-02
.167890570752D+05	.000000000000D+00				
.656659542946D+07	.146566995050D+09	.833846957549D+05	-.260204338538D+07	.122244609955D+06	-.256288801579D+04
-.219699411403D+00	.975475333268D+00	.134180034056D-01	-.828917735933D-02	-.430649322220D-01	.112952728897D-02
.167897599393D+05	.000000000000D+00				
.473729356472D+07	.146641653280D+09	.815623872580D+05	-.260316778552D+07	.901928067208D+05	-.262228975599D+04
-.231763402834D+00	.972662750963D+00	.145910245078D-01	-.791315767014D-02	-.431531564431D-01	.108370054688D-02
.167904628033D+05	.000000000000D+00				
.290734530764D+07	.146693778550D+09	.796987584515D+05	-.260388269092D+07	.581279387562D+05	-.268045798414D+04

FILE MADE BY PROGRAM VECSWS

FILE INPUT QPO= gcpts1.dat

SPCSM= .100000000000-01 IPA= 1 1 11 1 1 1 1 1 1 1 1 1 1 0 0 0 ICO= 2

0

EIGENVALUE REVOL. 3 : .571019954826903D-03 TIME REVOL.= .174735787000001D+03

Z0= .080000 T0= 16587.00000 DDIA= .702864041878D+00 NPT=250 MVO= 3

.167665654259D+05	.000000000000+00				
.630637166320D+08	.132522654219D+09	.115941911411D+06	-.235455451545D+07	.110883537112D+07	-.222222103047D+03
.120307756913D+00	.992515023052D+00	-.209755248612D-01	-.179382457271D-01	-.400554276677D-01	.216680784432D-02
.167672682899D+05	.000000000000+00				
.614039448925D+08	.133291897375D+09	.115757506087D+06	-.236826613220D+07	.108001604645D+07	-.302491055461D+03
.111197065280D+00	.993595819952D+00	-.200638791423D-01	-.176949755419D-01	-.401588944010D-01	.214824983610D-02
.167679711540D+05	.000000000000+00				
.597346640664D+08	.134040820958D+09	.115516711683D+06	-.238161219118D+07	.105101682087D+07	-.382672635471D+03
.101984652624D+00	.994601865985D+00	-.191378893190D-01	-.174491358695D-01	-.402612414519D-01	.212869489490D-02
.167686740180D+05	.000000000000+00				
.580561320016D+08	.134769300225D+09	.115219599758D+06	-.239459011177D+07	.102184254501D+07	-.462737405505D+03
.926699250607D-01	.995530573105D+00	-.181978845601D-01	-.172004465097D-01	-.403623420428D-01	.210812994148D-02
.167693768820D+05	.000000000000+00				
.563686083379D+08	.135477213848D+09	.114866263726D+06	-.240719737725D+07	.992498082764D+06	-.542652648374D+03
.832525032684D-01	.996379274075D+00	-.172442133038D-01	-.169486402672D-01	-.404621367598D-01	.208655087322D-02
.167700797461D+05	.000000000000+00				
.546723544586D+08	.136164443923D+09	.114456821054D+06	-.241943154349D+07	.962988311095D+06	-.622382721874D+03
.737322220994D-01	.997145230601D+00	-.162772391096D-01	-.166934764074D-01	-.405606235359D-01	.206396128716D-02
.167707826101D+05	.000000000000+00				
.529676334381D+08	.136830875977D+09	.113991415143D+06	-.243129024462D+07	.933318121619D+06	-.701889554704D+03
.641091203262D-01	.997825642170D+00	-.152973369666D-01	-.164347467885D-01	-.406578471917D-01	.204037111673D-02
.167714854742D+05	.000000000000+00				
.512547099847D+08	.137476398983D+09	.113470216852D+06	-.244277119657D+07	.903492423083D+06	-.781133177618D+03
.543834245967D-01	.998417654716D+00	-.143048900857D-01	-.161722777333D-01	-.407538899207D-01	.201579535263D-02
.167721883382D+05	.000000000000+00				
.495338503831D+08	.138100905370D+09	.112893425646D+06	-.245387219917D+07	.873516144033D+06	-.860072238507D+03
.445555301204D-01	.998918368585D+00	-.133002871551D-01	-.159059295845D-01	-.408488630065D-01	.199025289036D-02
.167728912022D+05	.000000000000+00				
.478053224343D+08	.138704291039D+09	.112261270404D+06	-.246459113717D+07	.843394235392D+06	-.938664480628D+03
.346259796195D-01	.999324845505D+00	-.122839200301D-01	-.156355950421D-01	-.409428996295D-01	.196376549551D-02
.167735940663D+05	.000000000000+00				
.460693953960D+08	.139286455379D+09	.111574009890D+06	-.247492598070D+07	.813131672849D+06	-.101686717814D+04
.245954415115D-01	.999634114377D+00	-.112561818391D-01	-.153611968613D-01	-.410361485067D-01	.193635686483D-02
.167742969303D+05	.000000000000+00				
.443263399229D+08	.139847301286D+09	.110831932950D+06	-.248487478524D+07	.782733458999D+06	-.109463752920D+04
.144646879976D-01	.999843175803D+00	-.102174654969D-01	-.150826851888D-01	-.411287681249D-01	.190805176177D-02
.167749997944D+05	.000000000000+00				
.425764280064D+08	.140386735181D+09	.110035358435D+06	-.249443569136D+07	.752204625254D+06	-.117193300888D+04
.423457359023D-02	.999949005290D+00	-.916816262946D-02	-.148000346617D-01	-.412209213823D-01	.187887521145D-02
.167757026584D+05	.000000000000+00				
.408199329149D+08	.140904667035D+09	.109184634895D+06	-.250360692421D+07	.721550233529D+06	-.124871168371D+04
-.609398544591D-02	.999948555140D+00	-.810866291766D-02	-.145132413197D-01	-.413127705075D-01	.184885174581D-02
.167764055225D+05	.000000000000+00				
.390571291350D+08	.141401010385D+09	.108280140063D+06	-.251238679285D+07	.690775377733D+06	-.132493248967D+04
-.165200302807D-01	.999838755048D+00	-.703935387337D-02	-.142223193499D-01	-.414044721655D-01	.181800469427D-02
.167771083865D+05	.000000000000+00				
.372882923122D+08	.141875682361D+09	.107322280158D+06	-.252077368951D+07	.659885185062D+06	-.140055547393D+04
-.270425768832D-01	.999616511484D+00	-.596062106134D-02	-.139272976713D-01	-.414961726854D-01	.178635551831D-02
.167778112505D+05	.000000000000+00				

.272133045480+00					
-.133303735720-01	-.113697941430+02	-.386935323850+00	-.658108367650+00	-.260666007830+01	-.196910314250+01
-.107381783080+00					
-.158445823260-02	-.707205686820+00	.543328918260-01	-.127979794280+01	-.147241897960+00	-.143822006230+00
.462838348700-01					
.936969589750-01	.782086635800+02	-.409106836290+01	.428327713150+01	.158549689300+02	.138884016330+02
.589490152480+00					
-.907648037730-01	-.391645406600+02	.153349872410+01	-.206956943560+01	-.757523245030+01	-.776554418270+01
-.315818090390+00					
-.393711180790-02	-.430873639050+01	.106461092540+00	-.249355156810+00	-.849106146480+00	-.745470318260+00
-.833658747710+00					

-.13695416683D-01	.78207616684D+02	-.40968251053D+01	.43448190408D+01	.15813742125D+02	.13848931707D+02
.58985379616D+00					
-.33673569790D-01	-.39059354717D+02	.15390594467D+01	-.20928840686D+01	-.75338421036D+01	-.77225244600D+01
-.31507801324D+00					
.36809968977D-02	-.43993780957D+01	.10997901469D+00	-.25268379772D+00	-.86486501082D+00	-.75935743135D+00
-.82971817354D+00					
.10000000000D+01	.00000000000D+00	.00000000000D+00	.00000000000D+00	.00000000000D+00	.00000000000D+00
.00000000000D+00					
.14857865687D-01	.21789272386D+02	-.66789258195D+01	-.91386471137D+00	.71253486635D+01	.26583348890D+01
-.17747922685D+00					
.26807403455D-01	-.18154677701D+02	.47171349245D+01	.79181919234D+00	-.61837377636D+01	-.19836184218D+01
.16844565259D+00					
.85057224855D-03	.72932715680D+00	-.21827879177D+00	-.83440752842D+00	.24619919038D+00	.98775411251D-01
.44362618465D-01					
.44798394598D-01	.63805671503D+02	-.20024493677D+02	-.28515249484D+01	.21138581933D+02	.71823664175D+01
-.48568716337D+00					
-.28582672420D-01	-.39210192061D+02	.11715871990D+02	.16654451662D+01	-.12507481186D+02	-.55506946188D+01
.29398731736D+00					
-.11412603054D-01	.53703980928D+01	-.15339416688D+01	-.25031836431D+00	.17248652867D+01	.62048258088D+00
-.12331502168D+01					
.10000000000D+01	.00000000000D+00	.00000000000D+00	.00000000000D+00	.00000000000D+00	.00000000000D+00
.00000000000D+00					
-.12613473662D+00	.34944180549D+02	-.13918846493D+01	.18723757280D+01	.75134942307D+01	.64949387539D+01
.29536209677D+00					
.47687943296D-01	-.11474920748D+02	-.40675503107D+00	-.66644436040D+00	-.27636511854D+01	-.20555679869D+01
-.11382241170D+00					
.34827985477D-02	-.74677707843D+00	.54374464829D-01	-.12788901883D+01	-.16391731257D+00	-.15612332608D+00
.45872348776D-01					
-.27247461217D+00	.79100744894D+02	-.39759366968D+01	.43542426138D+01	.16920849030D+02	.14527880600D+02
.62983673545D+00					
.17072698099D+00	-.38877586311D+02	.14589537659D+01	-.20669564320D+01	-.79472280270D+01	-.79653572841D+01
-.33015629864D+00					
.12789288713D-01	-.43701578985D+01	.10459791610D+00	-.25612085989D+00	-.90930954331D+00	-.78278841921D+00
-.85101043466D+00					
.10000000000D+01	.00000000000D+00	.00000000000D+00	.00000000000D+00	.00000000000D+00	.00000000000D+00
.00000000000D+00					
-.31863451623D-01	.21765701361D+02	-.66736484805D+01	-.90804164707D+00	.73278766599D+01	.27185258013D+01
-.18110685220D+00					
-.12177880084D-01	-.18330227720D+02	.47557739423D+01	.79493592078D+00	-.64275484195D+01	-.20464863091D+01
.17402372319D+00					
-.15049113357D-02	.72388016033D+00	-.21670411833D+00	-.84092393859D+00	.25163054828D+00	.10062711508D+00
.46661405593D-01					
-.88906980034D-01	.66578192992D+02	-.20904007579D+02	-.29628166298D+01	.22709866798D+02	.76591375916D+01
-.51697086011D+00					
.56690455207D-01	-.41394525425D+02	.12382247432D+02	.17494076446D+01	-.13600407656D+02	-.59984018540D+01
.31731681242D+00					
.74173156829D-02	.56208852285D+01	-.16051689393D+01	-.25160638660D+00	.18583255335D+01	.66465564348D+00
-.13381614867D+01					
.10000000000D+01	.00000000000D+00	.00000000000D+00	.00000000000D+00	.00000000000D+00	.00000000000D+00
.00000000000D+00					
.43347543032D-01	.33912062878D+02	-.14031712060D+01	.18067061459D+01	.69134136381D+01	.60972827375D+01

-.82511608127D+00

.10000000000D+01	.00000000000D+00	.00000000000D+00	.00000000000D+00	.00000000000D+00	.00000000000D+00
.00000000000D+00	.29731806182D-01	.21860035082D+02	-.66899683111D+01	-.92734897875D+00	.71767547584D+01
-.17910129031D+00	.12466504866D-01	-.18185902973D+02	.47167041940D+01	.80193404103D+00	-.62177621031D+01
.16978408654D+00	.12967505530D-02	.75281815276D+00	-.22455403933D+00	-.83635893188D+00	.25503982603D+00
.44216575034D-01	.84957064283D-01	.63897301522D+02	-.20019698267D+02	-.28886773431D+01	.21251248783D+02
-.48873165987D+00	-.59571074111D-01	-.39242435298D+02	.11707402801D+02	.16862859530D+01	-.12568385478D+02
.29525709547D+00	-.69280732979D-02	.54678868834D+01	-.15596340421D+01	-.25781721334D+00	.17633819859D+01
-.12363808847D+01					.63324432133D+00

.10000000000D+01	.00000000000D+00	.00000000000D+00	.00000000000D+00	.00000000000D+00	.00000000000D+00
.00000000000D+00	-.11027342239D+00	.34924609237D+02	-.13991935121D+01	.18912690201D+01	.75269884748D+01
-.29590319051D+00	.48076359094D-01	-.11490161097D+02	-.40421522620D+00	-.67420273909D+00	-.27735990206D+01
-.11454397183D+00	.32096998335D-02	-.76881542983D+00	.55141522361D-01	-.12813452764D+01	-.16904788161D+00
.45892104354D-01	-.23164285821D+00	.79293123305D+02	-.40065126879D+01	.44128012625D+01	.17001827447D+02
-.63197947909D+00	.15410818997D+00	-.39051686138D+02	.14744848600D+01	-.20982705446D+01	-.80021414732D+01
-.33212601506D+00	.95029989088D-02	-.44614774097D+01	.10829567349D+00	-.26505759101D+00	-.93058000132D+00
-.85722547156D+00					-.80128419315D+00

.10000000000D+01	.00000000000D+00	.00000000000D+00	.00000000000D+00	.00000000000D+00	.00000000000D+00
.00000000000D+00	-.43370102328D-01	.21690432433D+02	-.66591133983D+01	-.91659392772D+00	.72747794431D+01
-.18039002903D+00	-.16015576921D-02	-.18289802693D+02	.47514331472D+01	.80337718137D+00	-.63902293677D+01
.17375511668D+00	-.18422653379D-02	.74348981653D+00	-.22248848778D+00	-.84189019985D+00	.25743491397D+00
-.46562190894D-01	-.11820236137D+00	.66425361302D+02	-.20886492703D+02	-.29959368072D+01	.22573201408D+02
-.51460534042D+00	.89492182962D-01	-.41351120573D+02	.12383767593D+02	.17706390294D+01	-.13533450278D+02
.31588102559D+00	.46367808787D-02	.57236313130D+01	-.16365716710D+01	-.26057664557D+00	.18853304100D+01
-.13368470325D+01					.67614522226D+00

.10000000000D+01	.00000000000D+00	.00000000000D+00	.00000000000D+00	.00000000000D+00	.00000000000D+00
.00000000000D+00	-.11207381197D-02	.33984834969D+02	-.14112031752D+01	.18361238008D+01	.69097603222D+01
-.27312908215D+00	-.43899319963D-02	-.11375039894D+02	-.38406315574D+00	-.66735822045D+00	-.25999751713D+01
-.10783100351D+00	-.62605621281D-03	-.73489433239D+00	.55305265003D-01	-.12803002744D+01	-.15245893398D+00
.45160630891D-01					-.14862448802D+00



-.17987518821D+00					
-.39299603551D-03	-.18217985739D+02	.47174951324D+01	.80907554549D+00	-.62547582564D+01	-.19983599258D+01
.17043974838D+00					
.16512786279D-02	.77359132646D+00	-.23002214050D+00	-.83817288226D+00	.26313295330D+00	.10446661181D+00
.44243774106D-01					
.11864051367D+00	.63992653968D+02	-.20021678254D+02	-.29152853168D+01	.21373962128D+02	.72322434155D+01
-.48969514070D+00					
-.85357015000D-01	-.39283486344D+02	.11703845532D+02	.17011253168D+01	-.12637353897D+02	-.55824918313D+01
.29530247694D+00					
-.23385031372D-02	.55474767161D+01	-.15805299123D+01	-.26396003829D+00	.17970531530D+01	.64415201160D+00
-.12406752392D+01					
.10000000000D+01	.00000000000D+00	.00000000000D+00	.00000000000D+00	.00000000000D+00	.00000000000D+00
.00000000000D+00					
-.92611223724D-01	.34899836892D+02	-.14080791803D+01	.19042896343D+01	.75313011261D+01	.65105278113D+01
.29502948951D+00					
.47435300553D-01	-.11505326456D+02	-.40118970566D+00	-.68002274775D+00	-.27807579666D+01	-.20684084858D+01
-.11476684449D+00					
.28032995643D-02	-.78880854309D+00	.55770791022D-01	-.12837055679D+01	-.17355875570D+00	-.16505970174D+00
.45922086160D-01					
-.18729894088D+00	.79487198866D+02	-.40415838474D+01	.44586835302D+01	.17065010895D+02	.14651340412D+02
.63113735178D+00					
.13538471859D+00	-.39236104045D+02	.14933910298D+01	-.21240953390D+01	-.80504991049D+01	-.80682285609D+01
-.33260496338D+00					
.59601175193D-02	-.45402795222D+01	.11191707089D+00	-.27210208814D+00	-.94829994299D+00	-.81686179159D+00
-.86276193899D+00					
.10000000000D+01	.00000000000D+00	.00000000000D+00	.00000000000D+00	.00000000000D+00	.00000000000D+00
.00000000000D+00					
-.51120744207D-01	.21622712321D+02	-.66460899731D+01	-.92226712310D+00	.72216418673D+01	.26922465464D+01
-.17888630538D+00					
.62593073451D-02	-.18252803111D+02	.47478697461D+01	.80916910464D+00	-.63516468561D+01	-.20312876020D+01
.17271309722D+00					
-.20953633418D-02	.76240724712D+00	-.22799931682D+00	-.84255018749D+00	.26283104235D+00	.10496389520D+00
.46375324461D-01					
-.14056356264D+00	.66257674249D+02	-.20860545266D+02	-.30179330754D+01	.22423587290D+02	.75960098473D+01
-.50969801943D+00					
.11575157929D+00	-.41323568147D+02	.12388398238D+02	.17865596748D+01	-.13466939533D+02	-.59684439904D+01
.31300231631D+00					
.18502290130D-02	.58070092770D+01	-.16622724710D+01	-.26761838084D+00	.19050459926D+01	.68498994580D+00
-.13338621976D+01					
.10000000000D+01	.00000000000D+00	.00000000000D+00	.00000000000D+00	.00000000000D+00	.00000000000D+00
.00000000000D+00					
-.12912183187D-01	.34008153529D+02	-.14069090695D+01	.18569413880D+01	.69020189066D+01	.60830086924D+01
.27288414592D+00					
-.79504724407D-02	-.11367000704D+02	-.38581067588D+00	-.67375422806D+00	-.25932455877D+01	-.19593427247D+01
-.10784431336D+00					
-.28789690498D-03	-.75737728567D+00	.55788798368D-01	-.12810101463D+01	-.15674443078D+00	-.15251420739D+00
.44799087529D-01					
-.46716410360D-01	.78009400909D+02	-.40716703113D+01	.43809617058D+01	.15745800376D+02	.13782270585D+02
.58679839024D+00					
-.12932978579D-01	-.38893548343D+02	.15269950443D+01	-.21061260499D+01	-.74881092309D+01	-.76720129157D+01
-.31291899657D+00					
.70742968318D-02	-.44595222063D+01	.11132325544D+00	-.25823919784D+00	-.87525879384D+00	-.76829637875D+00

.142991598100+00	.641050349490+02	-.200320412140+02	-.293294791020+01	.215047524810+02	.726046882370+01
-.488453858730+00					
-.104627781580+00	-.393602081210+02	.117122370060+02	.171182973100+01	-.127193558220+02	-.560536395700+01
.294170449120+00					
.170372860610-02	.561314949990+01	-.159761595570+01	-.268756717590+00	.182659759340+01	.653549896320+00
-.124568739960+01					
.100000000000+01	.000000000000+00	.000000000000+00	.000000000000+00	.000000000000+00	.000000000000+00
.000000000000+00					
-.641297553350-01	.348689703050+02	-.141368945100+01	.191107308890+01	.752856378110+01	.650908602480+01
.292950069500+00					
.421640475350-01	-.115209021740+02	-.399349628940+00	-.683759063910+00	-.278600547030+01	-.207241003100+01
-.114562490650+00					
.212001022380-02	-.806839939160+00	.561729772400-01	-.128586145630+01	-.177507261820+00	-.168731216660+00
.459640504200-01					
-.119462981910+00	.796738458290+02	-.406973917970+01	.449058624070+01	.171136753140+02	.146948872570+02
.627702386820+00					
.104379163000+00	-.394272186370+02	.150957690850+01	-.214390791640+01	-.809405685060+01	-.811267864870+01
-.331795888600+00					
.858953180040-03	-.460655077290+01	.114808953390+00	-.277485983400+00	-.962727409930+00	-.829630070090+00
-.867567965810+00					
.100000000000+01	.000000000000+00	.000000000000+00	.000000000000+00	.000000000000+00	.000000000000+00
.000000000000+00					
-.507827999820-01	.215640700580+02	-.663477987710+01	-.925445623310+00	.717047880450+01	.267970487500+01
-.176816831610+00					
.755152894640-02	-.182156485560+02	.474368300780+01	.812386673230+00	-.631199522020+01	-.202318431330+01
.171050570630+00					
-.204372824080-02	.780395325030+00	-.233195410500+00	-.842928463150+00	.267792804540+00	.106856036730+00
.461467921650-01					
-.143464743770+00	.661058206010+02	-.208341329110+02	-.303111392920+01	.222760378110+02	.756290469720+01
-.503111151140+00					
.124539996430+00	-.412963893470+02	.123921009400+02	.179709555160+01	-.133982244050+02	-.595169525720+01
.308950882710+00					
-.157366056320-03	.587359027050+01	-.168287141810+01	-.272214568470+00	.191877067200+01	.691730262070+00
-.132943420940+01					
.100000000000+01	.000000000000+00	.000000000000+00	.000000000000+00	.000000000000+00	.000000000000+00
.000000000000+00					
.143665081050-02	.340399271890+02	-.139464652150+01	.187133746010+01	.690194746340+01	.608058742010+01
.271840465440+00					
-.204565915570-01	-.113550823110+02	-.390488350700+00	-.677397247130+00	-.258797822110+01	-.195493471100+01
-.107493896570+00					
-.478829079020-03	-.777909228810+00	.558753135310-01	-.128159161520+01	-.160742535520+00	-.156127668300+00
.445203023260-01					
-.198997882670-01	.778227309190+02	-.402816185840+01	.440130282850+01	.156937923990+02	.137315973720+02
.581969709090+00					
-.228655931610-01	-.387176808440+02	.150419524850+01	-.211083905520+01	-.744709395500+01	-.762700927820+01
-.309699492930+00					
.665118199050-02	-.450496603600+01	.111296682060+00	-.262567128450+00	-.883514073890+00	-.775480599060+00
-.820640390330+00					
.100000000000+01	.000000000000+00	.000000000000+00	.000000000000+00	.000000000000+00	.000000000000+00
.000000000000+00					
.419390814480-01	.219177815070+02	-.669855577250+01	-.936809786520+00	.722692733160+01	.268407205980+01

-.12514228027D+01

.100000000000+01	.000000000000+00	.000000000000+00	.000000000000+00	.000000000000+00	.000000000000+00
.000000000000+00					
-.19838641117D-01	.34831335889D+02	-.14130003505D+01	.19101674869D+01	.75189906314D+01	.65032155301D+01
.28955405543D+00					
.30408091909D-01	-.11535588733D+02	-.39957351949D+00	-.68480636920D+00	-.27891686602D+01	-.20753693046D+01
-.11386686086D+00					
.10435758300D-02	-.82242031266D+00	.56239852565D-01	-.12876941061D+01	-.18078024116D+00	-.17179903039D+00
.45974326456D-01					
-.16918833156D-01	.79851167530D+02	-.40838670879D+01	.45049830299D+01	.17148119909D+02	.14729544043D+02
.62142837803D+00					
.53996320459D-01	-.39619505422D+02	.15190072239D+01	-.21557072058D+01	-.81319013916D+01	-.81530778275D+01
-.32952055694D+00					
-.64191713783D-02	-.46575359223D+01	.11650691118D+00	-.28070145730D+00	-.97330638269D+00	-.83928882203D+00
-.87150718509D+00					
.100000000000+01	.000000000000+00	.000000000000+00	.000000000000+00	.000000000000+00	.000000000000+00
.000000000000+00					
-.44199778339D-01	.21515269684D+02	-.66251291832D+01	-.92560147562D+00	.71221369966D+01	.26679892567D+01
-.17404109573D+00					
.50074863033D-02	-.18175004230D+02	.47373425968D+01	.81237047007D+00	-.62707035247D+01	-.20144512130D+01
.16861218290D+00					
-.16910014719D-02	.79735540205D+00	-.23802759222D+00	-.84315725403D+00	.27230225029D+00	.10855461660D+00
.45851600876D-01					
-.12985973078D+00	.65986292880D+02	-.20812453653D+02	-.30346284831D+01	.22137494137D+02	.75334060326D+01
-.49448524296D+00					
.11697800799D+00	-.41234374040D+02	.12384054430D+02	.17994994063D+01	-.13316689798D+02	-.59295305334D+01
.30317519367D+00					
-.14642117624D-02	.59264321641D+01	-.16993609776D+01	-.27461359007D+00	.19277445878D+01	.69682442872D+00
-.13234730679D+01					
.100000000000+01	.000000000000+00	.000000000000+00	.000000000000+00	.000000000000+00	.000000000000+00
.000000000000+00					
.22837814753D-01	.34073150574D+02	-.13843917617D+01	.18780001631D+01	.69086655001D+01	.60838139520D+01
.26971526286D+00					
-.33984902250D-01	-.11342489926D+02	-.39412489161D+00	-.67814552094D+00	-.25848882534D+01	-.19521523768D+01
-.10672882766D+00					
-.80803584655D-03	-.79666155295D+00	.55759306974D-01	-.12817211741D+01	-.16451335314D+00	-.15949276599D+00
.44334456852D-01					
.23923648732D-01	.77640371493D+02	-.39892580793D+01	.44034688075D+01	.15657527009D+02	.13693878889D+02
.57480273868D+00					
-.42235691942D-01	-.38538810899D+02	.14830026223D+01	-.21064602998D+01	-.74126452270D+01	-.75884758594D+01
-.30521352170D+00					
.48292250238D-02	-.45349638556D+01	.11121517444D+00	-.26545186175D+00	-.88958018698D+00	-.78070801111D+00
-.81659901498D+00					
.100000000000+01	.000000000000+00	.000000000000+00	.000000000000+00	.000000000000+00	.000000000000+00
.000000000000+00					
.51010608727D-01	.21971556004D+02	-.67068633392D+01	-.94295258028D+00	.72765989739D+01	.26964002055D+01
-.17979083520D+00					
-.11638491863D-01	-.18253368428D+02	.47199652979D+01	.81362830522D+00	-.62935232660D+01	-.20065823396D+01
.17036241726D+00					
.18840990181D-02	.79290237295D+00	-.23502656005D+00	-.83989125247D+00	.27080834184D+00	.10693452195D+00
.44369052163D-01					

.284705176980+00					
.127906046880-01	-.115442519250+02	-.401366839150+00	-.682779320310+00	-.278876244080+01	-.207640765570+01
-.112601318500+00					
-.415094889230-03	-.834642086350+00	.559631298000-01	-.128913677530+01	-.183151102510+00	-.174088954390+00
.459944444860-01					
.118212695870+00	.799920030520+02	-.408575406180+01	.449948412270+01	.171599987290+02	.147508556180+02
.611950940380+00					
-.163351551020-01	-.397894965930+02	.152168814590+01	-.215768741390+01	-.815791623630+01	-.818510905740+01
-.325504668380+00					
-.154026085290-01	-.468946473650+01	.117101097920+00	-.281790866570+00	-.979072145160+00	-.845164015750+00
-.874239348460+00					
.100000000000+01	.000000000000+00	.000000000000+00	.000000000000+00	.000000000000+00	.000000000000+00
.000000000000+00					
-.330614527760-01	.214696349270+02	-.661637931590+01	-.922234100260+00	.707586349010+01	.265618898350+01
-.170641014430+00					
.501917672490-03	-.181350324750+02	.473083903590+01	.809157089730+00	-.623050723220+01	-.200540821860+01
.165534700810+00					
-.110549861340-02	.810713698550+00	-.241798834570+00	-.843181362820+00	.275572388360+00	.109737426010+00
.455637104060-01					
-.999044913000-01	.658485146440+02	-.207854792180+02	-.302545763950+01	.219952985910+02	.750123507430+01
-.483884587150+00					
.966889854190-01	-.410956895080+02	.123533192070+02	.179131359440+01	-.132118997610+02	-.589624804610+01
.295713608380+00					
-.166096172160-02	.595556402310+01	-.170931166010+01	-.274914228220+00	.192910669150+01	.699066559720+00
-.131588850680+01					
.100000000000+01	.000000000000+00	.000000000000+00	.000000000000+00	.000000000000+00	.000000000000+00
.000000000000+00					
.359817021070-01	.341073694280+02	-.138037586750+01	.187701400300+01	.692235051780+01	.609045475110+01
.266588279920+00					
-.429164172140-01	-.113319951270+02	-.395663321140+00	-.676243231340+00	-.258469623270+01	-.195054106960+01
-.105601243480+00					
-.101908940510-02	-.812595108600+00	.555406716130-01	-.128149069520+01	-.167872351870+00	-.162385051060+00
.443386532460-01					
.504532151110-01	.774578745690+02	-.396455890570+01	.438751561730+01	.156365235170+02	.136634287790+02
.565486909260+00					
-.534346473550-01	-.383666207950+02	.146931681090+01	-.209378443040+01	-.738694948590+01	-.755565758270+01
-.299652914690+00					
.371684523650-02	-.454644898360+01	.111488808890+00	-.266661538500+00	-.892886891620+00	-.783139484410+00
-.813079860400+00					
.100000000000+01	.000000000000+00	.000000000000+00	.000000000000+00	.000000000000+00	.000000000000+00
.000000000000+00					
.548564662860-01	.220187776040+02	-.671375031670+01	-.945150492820+00	.732436241490+01	.270844657530+01
-.178779445430+00					
-.193715126870-01	-.182839892330+02	.472169564600+01	.814811751780+00	-.633096974990+01	-.201453254360+01
.169445845920+00					
.196144056250-02	.810298659550+00	-.239441868620+00	-.841336424000+00	.277882652260+00	.109150398930+00
.446341834710-01					
.150236247720+00	.642428035920+02	-.200519023770+02	-.294053909400+01	.216450148670+02	.729262412240+01
-.484931640610+00					
-.114369070280+00	-.394711625710+02	.117316299300+02	.171745821720+01	-.128129229760+02	-.563404083010+01
.291773369220+00					
.433118949760-02	.566471778840+01	-.16107502110+01	-.272092105350+00	.185179692860+01	.661452946840+00

.26532869452D+00	.80091601260D+02	-.40841866887D+01	.44711172248D+01	.17148208217D+02	.14760500969D+02
.59849470149D+00					
-.965797411043D-01	-.39923631124D+02	.15218571673D+01	-.21476665528D+01	-.81691161321D+01	-.82076214345D+01
-.31923460137D+00					
-.24617823461D-01	-.46999366599D+01	.11713882761D+00	-.28020859905D+00	-.97951443941D+00	-.84695641928D+00
-.87561630481D+00					
.10000000000D+01	.00000000000D+00	.00000000000D+00	.00000000000D+00	.00000000000D+00	.00000000000D+00
.00000000000D+00					
-.23144044686D-01	.21422024193D+02	-.66062984704D+01	-.91468554113D+00	.70309751113D+01	.26440718886D+01
-.16653282608D+00					
-.18892488046D-02	-.18099177312D+02	.47249292405D+01	.80258851186D+00	-.61933843941D+01	-.19967781468D+01
.16178754491D+00					
-.61164466838D-03	.81913554478D+00	-.24405585257D+00	-.84284774311D+00	.27723427452D+00	.11024511297D+00
.45446016666D-01					
-.69411359357D-01	.65635320797D+02	-.20734218141D+02	-.29993326849D+01	.21834023886D+02	.74600449008D+01
-.47082420246D+00					
.77806917153D-01	-.40905126573D+02	.12304169191D+02	.17728005672D+01	-.13094693412D+02	-.58556499302D+01
.28671854911D+00					
-.16822873037D-02	.59476685593D+01	-.17085611610D+01	-.27350618943D+00	.19189055620D+01	.69688700228D+00
-.13069557225D+01					
.10000000000D+01	.00000000000D+00	.00000000000D+00	.00000000000D+00	.00000000000D+00	.00000000000D+00
.00000000000D+00					
.40398854256D-01	.34164792524D+02	-.13786731454D+01	.18701974496D+01	.69464971113D+01	.61032702209D+01
.26279779209D+00					
-.47796517962D-01	-.11328672874D+02	-.39699097768D+00	-.67218116658D+00	-.25880198246D+01	-.19508449659D+01
-.10421344674D+00					
-.10242780972D-02	-.82652863853D+00	.55175662768D-01	-.12810963152D+01	-.17095769140D+00	-.16492031502D+00
.44325739950D-01					
.57908016869D-01	.77347843325D+02	-.39462209424D+01	.43591374634D+01	.15643102533D+02	.13650339118D+02
.55498377240D+00					
-.54631144380D-01	-.38228374755D+02	.14594504276D+01	-.20751173879D+01	-.73741110335D+01	-.75317738003D+01
-.29344119526D+00					
.35666174812D-02	-.45459821801D+01	.11168933333D+00	-.26549916290D+00	-.89461047740D+00	-.78378371461D+00
-.81014486377D+00					
.10000000000D+01	.00000000000D+00	.00000000000D+00	.00000000000D+00	.00000000000D+00	.00000000000D+00
.00000000000D+00					
.58639757533D-01	.22067619549D+02	-.67217672240D+01	-.94397255531D+00	.73719801886D+01	.27207950249D+01
-.17709084277D+00					
-.27895072271D-01	-.18317167695D+02	.47246421242D+01	.81312247894D+00	-.63687139523D+01	-.20228723499D+01
.16790941940D+00					
.20699411526D-02	.82558025513D+00	-.24323716997D+00	-.84256524189D+00	.28423700633D+00	.11108037128D+00
.44833115032D-01					
.15500635643D+00	.64455382253D+02	-.20095921350D+02	-.29409372081D+01	.21808702696D+02	.73335847553D+01
-.48009987263D+00					
-.12529326065D+00	-.39632773651D+02	.11768065524D+02	.17191058591D+01	-.12921824582D+02	-.56698905590D+01
.28858560998D+00					
.70987539144D-02	.57063382436D+01	-.16211911166D+01	-.27295896985D+00	.18737201039D+01	.66824756232D+00
-.12580010633D+01					
.10000000000D+01	.00000000000D+00	.00000000000D+00	.00000000000D+00	.00000000000D+00	.00000000000D+00
.00000000000D+00					
.39114536328D-01	.34777904209D+02	-.14069976732D+01	.19007951898D+01	.74996334303D+01	.64914877344D+01

-.875740281090+00

.100000000000+01	.000000000000+00	.000000000000+00	.000000000000+00	.000000000000+00	.000000000000+00
.000000000000+00					
-.171947907370-01	.213771888110+02	-.659708005680+01	-.903122188250+00	.698865991350+01	.263217021930+01
-.161804710570+00					
-.670042717370-03	-.180666386250+02	.472047847700+01	.792588011270+00	-.615867303160+01	-.198837103470+01
.157419769910+00					
-.326286723580-03	.823269985880+00	-.245025879800+00	-.842001519790+00	.277504164660+00	.110170197200+00
.454936327290-01					
-.49552793940-01	.653796419630+02	-.206694586130+02	-.295749862650+01	.216641061670+02	.741317938590+01
-.455764825880+00					
.661525480710-01	-.407100245840+02	.122525885340+02	.174615887410+01	-.129798079840+02	-.581400536700+01
.276648693690+00					
-.264590223290-02	.590384227900+01	-.169742199550+01	-.269900605980+00	.189758980040+01	.690356867010+00
-.129710742120+01					

.100000000000+01	.000000000000+00	.000000000000+00	.000000000000+00	.000000000000+00	.000000000000+00
.000000000000+00					
.413518347170-01	.342342877830+02	-.137232506740+01	.185596191480+01	.697803362270+01	.612210107160+01
.258268927000+00					
-.506095025590-01	-.113267759170+02	-.400334039640+00	-.665307150410+00	-.259351140480+01	-.195264737380+01
-.102504960710+00					
-.949559834450-03	-.836915079350+00	.544769162890-01	-.128058058500+01	-.173440799910+00	-.166853427650+00
.443886159170-01					
.581471971820-01	.772853074500+02	-.391882048270+01	.431478590480+01	.156700925520+02	.136543207320+02
.543164716700+00					
-.530845923720-01	-.381101451110+02	.144440996830+01	-.204878338940+01	-.737045393690+01	-.751619974030+01
-.286534013510+00					
.365898323720-02	-.452898274570+01	.110830350990+00	-.262168529440+00	-.893714933080+00	-.782088560470+00
-.807618540880+00					

.100000000000+01	.000000000000+00	.000000000000+00	.000000000000+00	.000000000000+00	.000000000000+00
.000000000000+00					
.597966893590-01	.221123608500+02	-.673026816130+01	-.938365506360+00	.741798940160+01	.273286728270+01
-.174604983380+00					
-.345356453230-01	-.183504525420+02	.472897259360+01	.807775579860+00	-.640638354300+01	-.203129746470+01
.165662718020+00					
.211961413470-02	.837335271820+00	-.246052589710+00	-.843445431810+00	.289395771460+00	.112551121860+00
.449940529480-01					
.151100385400+00	.647369438480+02	-.201656867960+02	-.293133246640+01	.219954287040+02	.738314181430+01
-.473702589640+00					
-.133759497760+00	-.398232952900+02	.118170826300+02	.171425703550+01	-.130397591890+02	-.571044233410+01
.284322365820+00					
.941103169790-02	.573178180880+01	-.162747890620+01	-.270791748150+00	.189037033810+01	.673221513850+00
-.126532036660+01					

.100000000000+01	.000000000000+00	.000000000000+00	.000000000000+00	.000000000000+00	.000000000000+00
.000000000000+00					
.103319339640+00	.347123663040+02	-.139991126780+01	.188208648800+01	.747131921700+01	.647573164500+01
.278111290740+00					
-.699717971600-02	-.115458838360+02	-.403107882950+00	-.677238417540+00	-.278451859810+01	-.207571616990+01
-.110619396340+00					
-.213019601150-02	-.843734997870+00	.554087814360-01	-.129012421400+01	-.184668738530+00	-.175646072050+00
.460171631940-01					



-.156766243470+00					
.203343784770-02	-.180440132350+02	.471855737130+01	.779893258900+00	-.612948700730+01	-.198120653350+01
.152668320680+00					
-.117967242080-03	.825205675810+00	-.245334238300+00	-.840898075530+00	.277113546770+00	.109800208630+00
.454646820410-01					
-.328123646990-01	.651591078420+02	-.206123277370+02	-.290572457100+01	.215146600280+02	.737049362020+01
-.439776372050+00					
.534661023410-01	-.405237158920+02	.122035588310+02	.171328821580+01	-.128733681960+02	-.577354205640+01
.265943643510+00					
-.381552146750-02	.583988683290+01	-.168038291130+01	-.263501317580+00	.187070486430+01	.681497127960+00
-.128674031740+01					
.100000000000+01	.000000000000+00	.000000000000+00	.000000000000+00	.000000000000+00	.000000000000+00
.000000000000+00					
.296217623340-01	.343099016050+02	-.136415280800+01	.183375988650+01	.701675278090+01	.614812344170+01
.252987815920+00					
-.470902682520-01	-.113256676670+02	-.404223750270+00	-.655525082360+00	-.260132502120+01	-.195663089840+01
-.100481049710+00					
-.556640143660-03	-.843723421160+00	.535090295400-01	-.127980236330+01	-.175335999180+00	-.168233896040+00
.444631965340-01					
.314697107120-01	.772638075310+02	-.388903933980+01	.425375561240+01	.157184063760+02	.136790279670+02
.530049310480+00					
-.404718161920-01	-.380103189250+02	.142707755680+01	-.201453586990+01	-.737662107130+01	-.751139929420+01
-.278970287730+00					
.523220151780-02	-.449589247700+01	.109386544330+00	-.256822172100+00	-.890371514380+00	-.778398531200+00
-.805730014290+00					
.100000000000+01	.000000000000+00	.000000000000+00	.000000000000+00	.000000000000+00	.000000000000+00
.000000000000+00					
.544043172040-01	.221440494030+02	-.673755980270+01	-.928204288480+00	.745813848200+01	.274332908440+01
-.171236545120+00					
-.354830835840-01	-.183780168680+02	.473379278210+01	.798761561970+00	-.644099903330+01	-.203887906090+01
.162645315860+00					
.193675434480-02	.844756212060+00	-.247700308780+00	-.843958460120+00	.293026213530+00	.113454204480+00
.451953971830-01					
.129939854370+00	.650501219830+02	-.202538311170+02	-.291064745920+01	.221889513640+02	.743649259490+01
-.465347961790+00					
-.132229998480+00	-.400005504650+02	.118676021750+02	.170137612170+01	-.131505969990+02	-.574982064080+01
.278629329780+00					
.102636772880-01	.573521220020+01	-.162824861860+01	-.265966658340+00	.189937353590+01	.675608397520+00
-.127295681110+01					
.100000000000+01	.000000000000+00	.000000000000+00	.000000000000+00	.000000000000+00	.000000000000+00
.000000000000+00					
.153333740480+00	.346337787960+02	-.139583140720+01	.185514205140+01	.743387550220+01	.645463420900+01
.269962348260+00					
-.216055601350-01	-.115416646320+02	-.403361952310+00	-.668680706380+00	-.277671425890+01	-.207289853810+01
-.108001541270+00					
-.361591072390-02	-.848550327300+00	.546593607380-01	-.129059922680+01	-.185093365910+00	-.176243086310+00
.461417510300-01					
.380799455820+00	.801404875530+02	-.408830774620+01	.442171578340+01	.171106231390+02	.147541574410+02
.581423124380+00					
-.164185167270+00	-.400245678190+02	.152444798200+01	-.212694816960+01	-.816613854230+01	-.821996644750+01
-.310949250050+00					
-.312016349440-01	-.468607441900+01	.117056904570+00	-.276228911720+00	-.974009803330+00	-.843940751210+00

-.19047898183D-01	.64970124534D+02	-.20561307179D+02	-.28459573562D+01	.21387376306D+02	.73330785018D+01
-.42377259492D+00					
.42316819970D-01	-.40317928414D+02	.12147366047D+02	.16740841334D+01	-.12768061814D+02	-.57317395133D+01
.25508466308D+00					
-.44880144753D-02	.57574614619D+01	-.16579033849D+01	-.25494004861D+00	.18390516599D+01	.67064580292D+00
-.12763149277D+01					
.10000000000D+01	.00000000000D+00	.00000000000D+00	.00000000000D+00	.00000000000D+00	.00000000000D+00
.00000000000D+00					
-.21408842951D-01	.34384761907D+02	-.13633281329D+01	.18038763155D+01	.70596544940D+01	.61790966820D+01
.24695438824D+00					
-.27324492107D-01	-.11325342469D+02	-.40520150599D+00	-.64312645897D+00	-.26108312947D+01	-.19623043648D+01
-.98152438122D-01					
.75639212450D-03	-.84629126598D+00	.52517099024D-01	-.12787502903D+01	-.17646660629D+00	-.16891960322D+00
.44553944655D-01					
-.80634278682D-01	.77276750926D+02	-.38778898178D+01	.41771913202D+01	.15783057029D+02	.13720923800D+02
.51570036735D+00					
.12455336358D-01	-.37929862071D+02	.14180575067D+01	-.19731276544D+01	-.73910529696D+01	-.75167426104D+01
-.27083569588D+00					
.12203138780D-01	-.44454125913D+01	.10854823398D+00	-.24939088726D+00	-.88402000654D+00	-.77226927642D+00
-.80460999156D+00					
.10000000000D+01	.00000000000D+00	.00000000000D+00	.00000000000D+00	.00000000000D+00	.00000000000D+00
.00000000000D+00					
.38837035273D-01	.22162722667D+02	-.67438039720D+01	-.91408317830D+00	.74898618820D+01	.27512686117D+01
-.16706607604D+00					
-.27267580949D-01	-.18404211866D+02	.47404101973D+01	.78677842208D+00	-.64717869182D+01	-.20456113552D+01
.15894853244D+00					
.13483461914D-02	.84739685661D+00	-.24806874034D+00	-.84419290484D+00	.29486210126D+00	.11370025696D+00
.45412834524D-01					
.83534316091D-01	.65345847940D+02	-.20346796221D+02	-.28781860443D+01	.22364976314D+02	.74853039432D+01
-.45488062059D+00					
-.11163717558D+00	-.40152334737D+02	.11915532040D+02	.16808842784D+01	-.13245955424D+02	-.57842233342D+01
.27159466780D+00					
.86343550241D-02	.57102607281D+01	-.16216735429D+01	-.25903785539D+00	.18978176814D+01	.67439276321D+00
-.12801892471D+01					
.10000000000D+01	.00000000000D+00	.00000000000D+00	.00000000000D+00	.00000000000D+00	.00000000000D+00
.00000000000D+00					
.17837890491D+00	.34555846579D+02	-.13982304600D+01	.18218513035D+01	.73915879931D+01	.64287025217D+01
.26079704887D+00					
-.27773969766D-01	-.11537991417D+02	-.40120471656D+00	-.65784280131D+00	-.27670727750D+01	-.20684677646D+01
-.10495007197D+00					
-.45474143581D-02	-.84931011434D+00	.53843899411D-01	-.12904592155D+01	-.18451465248D+00	-.17587927612D+00
.46311155992D-01					
.43941769233D+00	.80157907545D+02	-.41052650068D+01	.43548772407D+01	.17054646446D+02	.14730561866D+02
.56188361718D+00					
-.20398998763D+00	-.40103929798D+02	.15343808248D+01	-.20974507577D+01	-.81529189543D+01	-.82218317700D+01
-.30123068789D+00					
-.33883856017D-01	-.46500226239D+01	.11722927628D+00	-.26968681203D+00	-.96323606255D+00	-.83623028277D+00
-.87472046885D+00					
.10000000000D+01	.00000000000D+00	.00000000000D+00	.00000000000D+00	.00000000000D+00	.00000000000D+00
.00000000000D+00					
-.12328540269D-01	.21352971669D+02	-.65936410561D+01	-.88892336211D+00	.69559186900D+01	.26227253748D+01

25	.15829291747D+00	.71D-11	-.67392092370D-01	-.34437214255D-03	-.92969957450D+00	-.21126756875D-02
26	-.11312447639D+00	-.47D-11	.83657039307D-01	-.13946197605D-02	.87600979943D+00	.24228107316D-02
27	.16199461488D+00	.71D-11	-.67419585279D-01	-.95484635720D-04	-.99191514325D+00	-.31876596847D-02
28	-.11363627706D+00	-.47D-11	.83105948392D-01	.13832765992D-02	.88340121428D+00	.24447722605D-02
29	.15834192342D+00	.71D-11	-.66846833235D-01	-.38726442955D-03	-.93059117941D+00	-.35359928404D-02
30	-.11289069014D+00	-.47D-11	.82859357979D-01	-.12253868602D-02	.87172823008D+00	.35354638338D-02
31	.16187291784D+00	.71D-11	-.66798036119D-01	.31896237457D-03	-.99042237413D+00	-.46382090916D-02
32	-.11397232338D+00	-.48D-11	.82325376024D-01	.13143150384D-02	.88813676068D+00	.36581376861D-02
33	.15841542208D+00	.71D-11	-.66087227994D-01	-.54862857968D-03	-.93223519968D+00	-.48791894149D-02
34	-.11268585716D+00	-.47D-11	.81811500074D-01	-.10822256712D-02	.86753930897D+00	.45574443761D-02
35	.16174059151D+00	.71D-11	-.65941687624D-01	.10471959561D-02	-.98856658341D+00	-.59478555251D-02
36	-.11433852262D+00	-.47D-11	.81277120624D-01	.12368362062D-02	.89298670732D+00	.48000110574D-02
37	.15860594388D+00	.71D-11	-.65112743957D-01	-.86170429824D-03	-.93502518787D+00	-.61731644566D-02
38	-.11254651940D+00	-.47D-11	.80506809722D-01	-.92708558724D-03	.86399706107D+00	.54812308889D-02
39	.16161236958D+00	.71D-11	-.64874505052D-01	.16604679488D-02	-.98646696103D+00	-.71208632445D-02
40	-.11600476054D+00	-.47D-11	.80000000002D-01	-.22173879115D-02	.89901711615D+00	.61300312872D-02

MATRICES DTNV (Variational matrices in normal. coord.)

.10000000000D+01	.00000000000D+00	.00000000000D+00	.00000000000D+00	.00000000000D+00	.00000000000D+00	.00000000000D+00
.00000000000D+00						
.19551384842D-01	.22001410407D+02	-.66963862367D+01	-.88399401970D+00	.74673890165D+01	.27490070383D+01	
-.15948776143D+00						
-.16774463142D-01	-.18278511593D+02	.47074502432D+01	.76134012818D+00	-.64583116474D+01	-.20412124573D+01	
.15227298457D+00						
.61574779661D-03	.83831700902D+00	-.24500058397D+00	-.84204698403D+00	.29300712498D+00	.11287514270D+00	
.48229466692D-01						
.30713662585D-01	.65075324526D+02	-.20279373754D+02	-.27950189823D+01	.22369577730D+02	.75001767156D+01	
-.43362888580D+00						
-.79839891272D-01	-.40007847221D+02	.11864665968D+02	.16321954372D+01	-.13253910600D+02	-.58040179785D+01	
.25860418902D+00						
.61919135637D-02	.56102752592D+01	-.15938207493D+01	-.26144715315D+00	.18730057587D+01	.66710695649D+00	
-.12877000584D+01						
.10000000000D+01	.00000000000D+00	.00000000000D+00	.00000000000D+00	.00000000000D+00	.00000000000D+00	.00000000000D+00
.00000000000D+00						
.18668968991D+00	.34488831241D+02	-.14015035244D+01	.17842368286D+01	.73467700489D+01	.64001605451D+01	
.25145993141D+00						
-.29295275263D-01	-.11535240235D+02	-.39897597693D+00	-.64525838496D+00	-.27557564878D+01	-.20627228370D+01	
-.10173082697D+00						
-.50029878226D-02	-.84551681801D+00	.52908338697D-01	-.12898241413D+01	-.18283613787D+00	-.17447917864D+00	
.46417969131D-01						
.45914673835D+00	.80164945791D+02	-.41221411410D+01	.42751461046D+01	.16985001894D+02	.14694376543D+02	
.54183385753D+00						
-.22368350266D+00	-.40164757547D+02	.15451507552D+01	-.20610904732D+01	-.81301649040D+01	-.82137675320D+01	
-.29105685465D+00						
-.34051698270D-01	-.45942273387D+01	.11683715199D+00	-.26057440557D+00	-.94778670927D+00	-.82434082413D+00	
-.87256302881D+00						
.10000000000D+01	.00000000000D+00	.00000000000D+00	.00000000000D+00	.00000000000D+00	.00000000000D+00	.00000000000D+00
.00000000000D+00						
-.96951738590D-02	.21342681839D+02	-.65934390081D+01	-.87239105429D+00	.69315729634D+01	.26153450307D+01	
-.15168300648D+00						
.73485099558D-02	-.18025624099D+02	.47169476044D+01	.76481388168D+00	-.61050056227D+01	-.19747126055D+01	
.14778465899D+00						
.42469584333D-04	.82341635749D+00	-.24455428086D+00	-.83951660960D+00	.27561823202D+00	.10898765057D+00	
.45410407851D-01						

GPO COMPUTED BY TPSS2

SPCSM= .100000000000-01 IPA= 1 1 11 1 1 1 1 1 1 1 1 1 1 1 0 0 0 ICO= 2

BOUND1= .20000-08 BOUND2= .30000-09 NUMITH=12 EPS= .10000-05

0

Z0= .080000 T0= 16587.00000 NIT= 40 NHR= 1 IBETA= 1

VECTOR TS (normalized time)

-.28814675855D+02 -.27249976526D+02 -.25725649263D+02 -.24233673082D+02 -.22702843362D+02 -.21135813058D+02
-.19605457567D+02 -.18113754547D+02 -.16589230332D+02 -.15022596634D+02 -.13486096560D+02 -.11993584104D+02
-.10475312405D+02 -.89101529894D+01 -.73675809737D+01 -.58731096759D+01 -.43606367622D+01 -.27979404527D+01
-.12497033590D+01 .24745095320D+00 .17546158044D+01 .33140539967D+01 .48674935967D+01 .63682206642D+01
.78707272213D+01 .94260777251D+01 .10983921244D+02 .12489153316D+02 .13987714326D+02 .15538202655D+02
.17099717800D+02 .18610076483D+02 .20105502799D+02 .21650552212D+02 .23214889606D+02 .24730968284D+02
.26224257153D+02 .27763417200D+02 .29329508167D+02 .30851624005D+02 .32343246656D+02

VECTOR TS (in mod. jul. days (1950.0))

.16587000000D+05 .16677956129D+05 .16766565426D+05 .16853294151D+05 .16942281436D+05 .17033373065D+05
.17122332784D+05 .17209045630D+05 .17297666375D+05 .17388734950D+05 .17478051853D+05 .17564811752D+05
.17653069038D+05 .17744051912D+05 .17833721778D+05 .17920595545D+05 .18008515747D+05 .18099355441D+05
.18189354618D+05 .18276384349D+05 .18363995993D+05 .18454646292D+05 .18544947891D+05 .18632185306D+05
.18719526163D+05 .18809938844D+05 .18900496445D+05 .18987995736D+05 .19075107238D+05 .19165237280D+05
.19256008312D+05 .19343805614D+05 .19430734896D+05 .19520548773D+05 .19611483863D+05 .19699613669D+05
.19786418701D+05 .19875890229D+05 .19966927254D+05 .20055408000D+05 .20142116175D+05

VECTOR TS (calendar dates)

1.00-JUN-1995 30.96-AUG-1995 27.57-NOV-1995 22.29-FEB-1996 21.28-MAI-1996 20.37-AUG-1996
17.33-NOV-1996 12.05-FEB-1997 11.67-MAI-1997 10.73-AUG-1997 8.05-NOV-1997 2.81-FEB-1998
2.07-MAI-1998 1.05-AUG-1998 29.72-OCT-1998 24.60-JAN-1999 22.52-APR-1999 22.36-JUL-1999
20.35-OCT-1999 15.38-JAN-2000 12.00-APR-2000 11.65-JUL-2000 9.95-OCT-2000 5.19-JAN-2001
2.53-APR-2001 1.94-JUL-2001 30.50-SEP-2001 27.00-DEC-2001 24.11-MAR-2002 22.24-JUN-2002
21.01-SEP-2002 17.81-DEC-2002 14.73-MAR-2003 12.55-JUN-2003 11.48-SEP-2003 8.61-DEC-2003
4.42-MAR-2004 1.89-JUN-2004 31.93-AUG-2004 28.41-NOV-2004 23.12-FEB-2005

VECTOR XS (normalized coordinates)

0 -.11600476054D+00 .00D+00 .80000000002D-01 .10826885408D-01 .86029830887D+00 -.69048017647D-02
1 .15892844036D+00 .71D-11 -.65113375549D-01 .22149457661D-02 -.94301403278D+00 .69486923928D-02
2 -.11488379204D+00 -.47D-11 .81450254127D-01 -.89861260451D-03 .90153843578D+00 -.52032940034D-02
3 .16133690119D+00 .71D-11 -.65702194114D-01 -.10612061438D-02 -.98132463969D+00 .65523734716D-02
4 -.11210263901D+00 -.47D-11 .81319829506D-01 .10077074879D-02 .85837949750D+00 -.51095676250D-02
5 .15875780151D+00 .71D-11 -.66154478064D-01 .17944442074D-02 -.93902846364D+00 .57145011850D-02
6 -.11456965482D+00 -.47D-11 .82684525161D-01 -.10718417376D-02 .89780324130D+00 -.40709123609D-02
7 .16152773703D+00 .71D-11 -.66687324481D-01 -.10919297693D-02 -.98476483847D+00 .51099377939D-02
8 -.11221793798D+00 -.47D-11 .82465369199D-01 .10921878694D-02 .86124584347D+00 -.39985627671D-02
9 .15859763503D+00 .71D-11 -.66956720322D-01 .13206980187D-02 -.93574644166D+00 .42243943560D-02
10 -.11426249896D+00 -.47D-11 .83604829009D-01 -.11888138267D-02 .89369090128D+00 -.27700318455D-02
11 .16167939175D+00 .71D-11 -.67403115789D-01 -.96095979379D-03 -.98751665698D+00 .35238312136D-02
12 -.11240079008D+00 -.47D-11 .83282818821D-01 .11730051746D-02 .86490253546D+00 -.27747480850D-02
13 .15845038524D+00 .71D-11 -.67490295371D-01 .65950783215D-03 -.93286474566D+00 .26160143334D-02
14 -.11394377660D+00 -.47D-11 .84166673464D-01 -.13230253783D-02 .88915157619D+00 -.14127633236D-02
15 .16176834279D+00 .71D-11 -.67833447542D-01 -.54665877452D-03 -.98956041422D+00 .18924410213D-02
16 -.11264708624D+00 -.47D-11 .83750985496D-01 .12530383267D-02 .86910863599D+00 -.15019312272D-02
17 .15834003362D+00 .71D-11 -.67740900266D-01 .14091935595D-03 -.93074579692D+00 .98966775337D-03
18 -.11363714075D+00 -.47D-11 .84342373634D-01 -.14447564842D-02 .88471692448D+00 -.60403495418D-04
19 .16189117101D+00 .71D-11 -.67953551048D-01 -.23254589796D-03 -.99130021501D+00 .18763824094D-03
20 -.11294874490D+00 -.48D-11 .83848304257D-01 .13334295995D-02 .87373859259D+00 -.17858471765D-03
21 .15827977854D+00 .71D-11 -.67692637313D-01 -.20529937498D-03 -.92968695069D+00 -.60153783187D-03
22 -.11336254382D+00 -.47D-11 .84159845779D-01 -.14679523069D-02 .88030368183D+00 .12125124363D-02
23 .16199059996D+00 .71D-11 -.67809710417D-01 -.17326171592D-03 -.99221367919D+00 -.15422177614D-02
24 -.11325912146D+00 -.48D-11 .83628267490D-01 .13800825613D-02 .87850081436D+00 .11556109739D-02

```

Z0= .080000 T0= 16602.00000 NVO= 3 NTR= 0
0
Z0= .080000 T0= 16603.00000 NVO= 3 NTR= 0
0
Z0= .080000 T0= 16604.00000 NVO= 3 NTR= 0
0
Z0= .080000 T0= 16605.00000 NVO= 3 NTR= 0
0
Z0= .080000 T0= 16606.00000 NVO= 3 NTR= 0
0
Z0= .080000 T0= 16607.00000 NVO= 3 NTR= 0
0
Z0= .080000 T0= 16608.00000 NVO= 3 NTR= 0
0
Z0= .080000 T0= 16609.00000 NVO= 3 NTR= 1
1 0 5 248 .1696299617900D+05 .000000000000D+00 .1971788983270D+03 .5704745482070D+04
1 -.2758131537510D+08 -.1467341961360D+09 .1514757926550D+06 .2483600069370D+07 -.4683859455040D+06 .2947756642890D+
03
1 .1438171927880D+00 -.9893079373050D+00 -.2421611536700D-01 .5824216587140D-02 .4129822644400D-01 .2071182154240D-
02
1 0 0 196.2433612366709 199.6933137462177 6399.996100 6400.000892
0
Z0= .080000 T0= 16610.00000 NVO= 3 NTR= 1
1 0 4 246 .1696258728020D+05 .000000000000D+00 .2002763946940D+03 .5685646537970D+04
1 -.2861865238380D+08 -.1465356546570D+09 .1508577755620D+06 .2480352050650D+07 -.4856406269170D+06 .4585489508100D+
03
1 .1462290772150D+00 -.9889141995400D+00 -.2580238214380D-01 .5634243189490D-02 .4165707336660D-01 .2108088785560D-
02
1 0 0 198.6404560877744 201.5794329015438 6400.020036 6399.998723
0
Z0= .080000 T0= 16611.00000 NVO= 3 NTR= 1
1 0 4 245 .1696288429570D+05 .000000000000D+00 .1987711374170D+03 .5974438497310D+04
1 -.2790405222950D+08 -.1466749203970D+09 .1504379486870D+06 .2482639978730D+07 -.4731480827740D+06 .5403099430710D+
03
1 .1498298119740D+00 -.9883553704240D+00 -.2654598270220D-01 .5068530378110D-02 .4112478960320D-01 .2087978974840D-
02
1 0 0 197.3360575555229 199.5661993068143 6399.994157 6399.994822
0
Z0= .080000 T0= 16612.00000 NVO= 3 NTR= 1
1 0 4 243 .1696247196090D+05 .000000000000D+00 .1991949339270D+03 .5955086989820D+04
1 -.2894944045310D+08 -.1464734893910D+09 .1495142509300D+06 .2479269377270D+07 -.4905313788350D+06 .6999230609190D+
03
1 .1579880646360D+00 -.9870413381040D+00 -.2809213957700D-01 .4963756909080D-02 .4214579882060D-01 .2151511123490D-
02
1 0 0 198.5450048858538 199.6961654955533 6400.006170 6400.001650
0
Z0= .080000 T0= 16613.00000 NVO= 3 NTR= 0
0
Z0= .080000 T0= 16614.00000 NVO= 3 NTR= 0
0
Z0= .080000 T0= 16615.00000 NVO= 3 NTR= 0
0
Z0= .080000 T0= 16616.00000 NVO= 3 NTR= 0
0
Z0= .080000 T0= 16617.00000 NVO= 3 NTR= 0

```

1



OUTPUT OF PROGRAM FINES FROM FILES COMPUTED BY PROGRAM INTER

INPUT FILE (results. from INTER): inter11.dat

INPUT FILE (results. from INTER): inter21.dat

SPCSM= .100000000000-01 IPA= 1 1 11 1 1 1 1 1 1 1 1 1 0 0 0 ICO= 2

GEOCENTRIC RADIUS OF THE INTERVAL IN THE INPUT FILES, RACT1= 7000.0000 km. and RACT2= 6400.0000 km.

ORBITAL ELEMENTS COMPUTED AT GEOCENTRIC DISTANCE, RCE= 7000.0000 km.

0

Z0= .080000 T0= 16587.00000 NVO= 3 NTR= 1

IPUN=235 TW= 16931.7385 NSI= 2

INTERVAL IN LAMBDA: XLAI= 195.4384858 XLAF= 195.4707848 JBN= 20

1	0	16730.0017652	16730.0017652	16732.5665	7000.0024	7000.002	3054.46	10.60051	10.60051	9948.5997	28.34
		13813.8	.97339	80.20	34.57	8.94	360.00				
		.5589121516530+04	.4076013734670+04	.1071385471390+04	-.2045318178160+06	.4611022155400+05	.8915626662050+06				
		.1316607836310+09	.6983165314870+08	.7278213844710+03	-.1230822524390+07	.2275208048080+07	-.2914383510320+03				
		.1280733733100+09	.7539441064270+08	.4871288327940+03	-.1420973192240+07	.2157410860630+07	-.8958084653660+04				
		.1280721297840+09	.7538584399220+08	.5390268447120+04	-.1276572787150+07	.2146202097410+07	.8081471108840+04				
1	1	16730.0027806	16730.0038399	16732.5666	6966.6240	7000.000	3062.13	10.62623	10.60053	9961.0931	28.32
		13748.8	.97353	80.13	34.57	8.92	7.97				
		.5562262138690+04	.4057472280330+04	.1063958966520+04	-.2054416965920+06	.4731873704680+05	.8935740349670+06				
		.1316595337260+09	.6983396358130+08	.7275254285370+03	-.1230863037140+07	.2275187115610+07	-.2914466058980+03				
		.1280732469960+09	.7539463458250+08	.4856954567090+03	-.1420952062820+07	.2157384902950+07	-.8925542023120+04				
		.1280720045470+09	.7538605454280+08	.5391061268530+04	-.1276574843990+07	.2146201124520+07	.8081439528650+04				
1	2	16730.0037926	16730.0052833	16732.5667	6933.4612	7000.000	3069.80	10.65198	10.60055	9973.5838	28.31
		13684.3	.97366	80.05	34.57	8.90	11.27				
		.5535574240730+04	.4039048480700+04	.1056593528700+04	-.2063575638070+06	.4853616506090+05	.8955834624570+06				
		.1316582881680+09	.6983626588400+08	.7272305029760+03	-.1230903407380+07	.2275166255820+07	-.2914548269140+03				
		.1280731206870+09	.7539485850190+08	.4842645728710+03	-.1420930988210+07	.2157358975150+07	-.8893108120250+04				
		.1280718793200+09	.7538626507730+08	.5391854026900+04	-.1276576900690+07	.2146200151740+07	.8081407945960+04				
1	3	16730.0048013	16730.0066184	16732.5668	6900.5018	7000.000	3077.48	10.67775	10.60057	9986.0761	28.30
		13620.2	.97379	79.98	34.57	8.88	13.79				
		.5509047956650+04	.4020735539980+04	.1049286135450+04	-.2072797332080+06	.4976293898700+05	.8975915544010+06				
		.1316570465150+09	.6983856087180+08	.7269365034750+03	-.1230943649380+07	.2275145461340+07	-.2914630170390+03				
		.1280729942510+09	.7539508261250+08	.4828351569830+03	-.1420909965340+07	.2157333048450+07	-.8860760589890+04				
		.1280717539780+09	.7538647580230+08	.5392647499910+04	-.1276578959270+07	.2146199178120+07	.8081376329760+04				
1	4	16730.0058023	16730.0078894	16732.5669	6867.8926	7000.002	3085.14	10.70342	10.60059	9998.5133	28.29
		13556.7	.97393	79.91	34.56	8.87	15.90				
		.5482801596990+04	.4002615112190+04	.1042069048790+04	-.2082039987810+06	.5099346337840+05	.8995891500280+06				
		.1316558143560+09	.6984083821560+08	.7266447534520+03	-.1230983582030+07	.2275124825790+07	-.2914711394870+03				
		.1280728682060+09	.7539530598240+08	.4814133042040+03	-.1420889091740+07	.2157307226940+07	-.8828637640050+04				
		.1280716290420+09	.7538668584610+08	.5393438405010+04	-.1276581011230+07	.2146198207680+07	.8081344810880+04				
1	5	16730.0068037	16730.0091262	16732.5670	6835.3656	7000.000	3092.83	10.72921	10.60061	10010.9971	28.27
		13493.4	.97406	79.83	34.56	8.85	17.76				
		.5456619388480+04	.3984538247340+04	.1034882701640+04	-.2091379372230+06	.5223782678250+05	.9015925214160+06				
		.1316545815850+09	.6984311659580+08	.7263528598630+03	-.1231023532890+07	.2275104179890+07	-.2914792609340+03				
		.1280727418580+09	.7539552992720+08	.4799895011640+03	-.1420868180820+07	.2157281377320+07	-.8796519095350+04				
		.1280715037920+09	.7538689641790+08	.5394231295830+04	-.1276583068370+07	.2146197234840+07	.8081313207840+04				
1	6	16730.0078036	16730.0103362	16732.5671	6802.9847	7000.000	3100.53	10.75507	10.60063	10023.5031	28.26
		13430.4	.97419	79.76	34.56	8.83	19.44				
		.5430552962900+04	.3966540532840+04	.1027741137930+04	-.2100797905870+06	.5349370045740+05	.9035976704950+06				
		.1316533506290+09	.6984539152800+08	.7260613972720+03	-.1231063423330+07	.2275083564290+07	-.2914873654020+03				
		.1280726154870+09	.7539575395810+08	.4785667241630+03	-.1420847272290+07	.2157255557470+07	-.8764471945120+04				
		.1280713785020+09	.7538710705540+08	.5395024431130+04	-.1276585126170+07	.2146196261740+07	.8081281590020+04				
1	7	16730.0087976	16730.0115200	16732.5672	6770.8935	7000.000	3108.22	10.78088	10.60066	10035.9753	28.25
		13367.9	.97432	79.69	34.56	8.81	20.98				
		.5404717791280+04	.3948701817260+04	.1020675762840+04	-.2110253564950+06	.5475547977900+05	.9055955571830+06				

.1316521269700+09	.6984765288290+08	.7257716635440+03	-.1231103075720+07	.2275063070790+07	-.2914954168570+03
.1280724892780+09	.7539597765150+08	.4771489810430+03	-.1420826477010+07	.2157229795980+07	-.8732591107340+04
.1280712533910+09	.7538731739190+08	.5395816430250+04	-.1276587181070+07	.2146195290060+07	.8081250012480+04
1 8 16730.0097922	16730.0126894	16732.5673	6738.8771	7000.000	3115.95
10.80682	10.60068	10048.4970	28.24		
13305.5	.97445	79.61	34.56	8.80	22.42
.5378940948440+04	.3930902550220+04	.1013639069880+04	-.2119809676410+06	.5603162419870+05	.9075994404910+06
.1316509024310+09	.6984991576870+08	.7254817230320+03	-.1231142754990+07	.2275042562480+07	-.2915034691260+03
.1280723625730+09	.7539620221820+08	.4757279598810+03	-.1420805647720+07	.2157203963380+07	-.8700686980160+04
.1280711277910+09	.7538752855060+08	.5396611522320+04	-.1276589244010+07	.2146194314630+07	.8081218306580+04
1 9 16730.0107813	16730.0138398	16732.5674	6707.1371	7000.000	3123.67
10.83271	10.60070	10060.9890	28.22		
13243.7	.97457	79.54	34.56	8.78	23.76
.5353384816170+04	.3913254942860+04	.1006675209950+04	-.2129406213480+06	.5731411992030+05	.9095965778660+06
.1316496847430+09	.6985216590070+08	.7251934061230+03	-.1231182210650+07	.2275022168830+07	-.2915114714120+03
.1280722361750+09	.7539642623830+08	.4743126380980+03	-.1420784916020+07	.2157178223060+07	-.8668961033070+04
.1280710024960+09	.7538773919630+08	.5397404680130+04	-.1276591301970+07	.2146193341600+07	.8081186672780+04
1 10 16730.0117675	16730.0149764	16732.5675	6675.5856	7000.000	3131.39
10.85862	10.60072	10073.4851	28.21		
13182.3	.97470	79.46	34.56	8.76	25.03
.5327978636460+04	.3895710126950+04	.9997646386200+03	-.2139069195130+06	.5860644564730+05	.9115923271700+06
.1316484705680+09	.6985440945090+08	.7249059221280+03	-.1231221550940+07	.2275001833910+07	-.2915194457240+03
.1280721092940+09	.7539665099650+08	.4728964652120+03	-.1420764245500+07	.2157152404520+07	-.8637271256000+04
.1280708767640+09	.7538795057390+08	.5398200591140+04	-.1276593367110+07	.2146192365230+07	.8081154924110+04
1 11 16730.0127498	16730.0160996	16732.5676	6644.2523	7000.000	3139.11
10.88455	10.60074	10085.9733	28.20		
13121.2	.97483	79.38	34.56	8.75	26.23
.5302746358280+04	.3878284625360+04	.9929136516660+03	-.2148789319250+06	.5990735964510+05	.9135846610190+06
.1316472610770+09	.6985664425510+08	.7246195484360+03	-.1231260737900+07	.2274981577340+07	-.2915273844140+03
.1280719833880+09	.7539687424730+08	.4714889157970+03	-.1420743595940+07	.2157126834500+07	-.8605813604140+04
.1280707519200+09	.7538816046140+08	.5398990888620+04	-.1276595417720+07	.2146191395780+07	.8081123394350+04
1 12 16730.0137326	16730.0172155	16732.5677	6612.9996	7000.001	3146.87
10.91058	10.60076	10098.5080	28.19		
13060.4	.97495	79.31	34.56	8.73	27.38
.5277577308960+04	.3860902018620+04	.9860920409820+03	-.2158609592740+06	.6122262486130+05	.9155822247010+06
.1316460509700+09	.6985888010460+08	.7243330304600+03	-.1231299943220+07	.2274961310390+07	-.291535322860+03
.1280718565720+09	.7539709899620+08	.4700757206940+03	-.1420722937450+07	.2157101099160+07	-.8574284633370+04
.1280706262140+09	.7538837179540+08	.5399786630090+04	-.1276597482480+07	.2146190419690+07	.8081091642350+04
1 13 16730.0147091	16730.0183173	16732.5678	6582.0436	7000.001	3154.60
10.93655	10.60078	10111.0025	28.17		
13000.0	.97508	79.23	34.56	8.71	28.47
.5252645366030+04	.3843682395800+04	.9793467292730+03	-.2168462133500+06	.6254315385150+05	.9175710822310+06
.1316448486290+09	.6986110151700+08	.7240483522960+03	-.1231338895420+07	.2274941173400+07	-.2915432044130+03
.1280717301680+09	.7539732301010+08	.4686693773020+03	-.1420702393120+07	.2157075477600+07	-.8542957906220+04
.1280705009190+09	.7538858243930+08	.5400579770170+04	-.1276599540520+07	.2146189446830+07	.8081059989120+04
1 14 16730.0156830	16730.0194101	16732.5679	6551.2635	7000.007	3162.35
10.96256	10.60080	10123.5045	28.16		
12940.1	.97520	79.16	34.55	8.69	29.52
.5227853471650+04	.3826558694100+04	.9726511970170+03	-.2178384576480+06	.6387399036010+05	.9195587962830+06
.1316436494090+09	.6986331707210+08	.7237644145840+03	-.1231377744950+07	.2274921088600+07	-.2915510612990+03
.1280716036920+09	.7539754714680+08	.4672644824130+03	-.1420681883930+07	.2157049871490+07	-.8511712520690+04
.1280703755540+09	.7538879319970+08	.5401373346390+04	-.1276601599730+07	.2146188473470+07	.8081028313440+04
1 15 16730.0166562	16730.0204967	16732.5680	6520.5981	7000.000	3170.12
10.98865	10.60082	10136.0389	28.15		
12880.3	.97532	79.08	34.55	8.68	30.54
.5203152249080+04	.3809496842330+04	.9659919603290+03	-.2188397144880+06	.6521785365410+05	.9215492277660+06
.1316424509300+09	.6986553117000+08	.7234806534790+03	-.1231416568950+07	.2274901016120+07	-.2915589085690+03
.1280714768930+09	.7539777185150+08	.4658582503820+03	-.1420661369250+07	.2157024230100+07	-.8480486433930+04
.1280702498700+09	.7538900449520+08	.5402168934390+04	-.1276603664190+07	.2146187497670+07	.8080996552420+04
1 16 16730.0176259	16730.0215742	16732.5681	6490.1418	7000.000	3177.89
11.01474	10.60084	10148.5669	28.14		
12820.9	.97545	79.00	34.55	8.66	31.52
.5178617749620+04	.3792549358410+04	.9593893529920+03	-.2198469204820+06	.6657063748060+05	.9235361361650+06
.1316412568920+09	.6986773697410+08	.7231979452270+03	-.1231455247560+07	.2274881017930+07	-.2915667220200+03

.1280713501640+09	.7539799642880+08	.4644550326160+03	-.1420640912550+07	.2156998632920+07	-.8449376201280+04
.1280701242570+09	.7538921567200+08	.5402964072510+04	-.1276605727510+07	.2146186522460+07	.8080964804290+04
1 17 16730.0185912	16730.0226423	16732.5682	6459.9160	7000.000 3185.66	11.04082 10.60086 10161.0791 28.13
12762.0	.97557	78.92	34.55	8.64	32.46
.5154267309100+04	.3775728234440+04	.9528478027860+03	-.2208593123760+06	.6793131743290+05	.9255179451290+06
.1316400681710+09	.6986993286710+08	.7229164972570+03	-.1231493752410+07	.2274861108720+07	-.2915744959770+03
.1280712216140+09	.7539822372490+08	.4630441225980+03	-.1420620616940+07	.2156972656830+07	-.8418163907790+04
.1280699970240+09	.7538942957120+08	.5403769458630+04	-.1276607817460+07	.2146185534720+07	.8080932641830+04
1 18 16730.0195515	16730.0237008	16732.5683	6429.9389	7000.000 3193.41	11.06687 10.60088 10173.5669 28.11
12703.6	.97569	78.84	34.55	8.63	33.37
.5130115672460+04	.3759043675910+04	.9463710147130+03	-.2218761965260+06	.6929895902230+05	.9274932619840+06
.1316388855310+09	.6987211744120+08	.7226364901330+03	-.1231532058810+07	.2274841301260+07	-.2915822255190+03
.1280710953370+09	.7539844750280+08	.4616502175170+03	-.1420600318210+07	.2156947212620+07	-.8387356179980+04
.1280698718580+09	.7538963999520+08	.5404561757200+04	-.1276609873480+07	.2146184563060+07	.8080900996950+04
1 19 16730.0205134	16730.0247572	16732.5684	6400.0056	7000.000 3201.21	11.09306 10.60091 10186.1158 28.10
12645.2	.97581	78.77	34.55	8.61	34.26
.5105997670700+04	.3742381557400+04	.9399145431500+03	-.2229045620320+06	.7068296918700+05	.9294754939010+06
.1316377008880+09	.6987430562650+08	.7223560102610+03	-.1231570428560+07	.2274821460180+07	-.2915899634940+03
.1280709693190+09	.7539867103830+08	.4602569128690+03	-.1420579929140+07	.2156921868760+07	-.8356601714620+04
.1280697468700+09	.7538985012000+08	.5405352926310+04	-.1276611926610+07	.2146183592820+07	.8080869392170+04
INTERVAL IN LAMBDA: XLA1= 197.1621098 XLA2= 197.3020400 JBN= 20					
1 0 16730.4284321	16730.4326631	16732.6740	6399.9962	7000.000 3217.46	11.10932 10.61791 23385.6036 22.95
12682.3	.98160	2.02	216.60	188.05	34.21
.4553114656550+04	.4497565827710+04	-.3161394722930+02	-.6742408603480+06	.6823326825420+06	-.3352277265000+05
.1311320053310+09	.7080052306660+08	.6027970780200+03	-.1247814226760+07	.2266344085570+07	-.2944620542960+03
.1279342891370+09	.7563901618250+08	-.3627945998930+03	-.1412589130730+07	.2141081951200+07	.3031414610030+04
.1279347245740+09	.7561659141870+08	.6257388147300+04	-.1278842166020+07	.2145158784200+07	.8043910689230+04
1 1 16730.4293717	16730.4335028	16732.6745	6431.6683	7000.000 3209.32	11.08172 10.61796 23444.3939 22.94
12744.5	.98153	2.11	216.50	188.19	33.27
.4573279613540+04	.4522204946540+04	-.3365530258560+02	-.6728989067060+06	.6802396361030+06	-.3481783561510+05
.1311308328810+09	.7080265249050+08	.6025204019090+03	-.1247851577770+07	.2266324413120+07	-.2944677012180+03
.1279336600620+09	.7564011583120+08	-.3649666801660+03	-.1412583985770+07	.2141038946020+07	.3047392040530+04
.1279341043880+09	.7561763172760+08	.6261289054670+04	-.1278852467760+07	.2145154183760+07	.8043727969020+04
1 2 16730.4303090	16730.4343364	16732.6750	6463.3291	7000.000 3201.25	11.05434 10.61801 23503.1760 22.93
12806.8	.98145	2.19	216.40	188.32	32.30
.4593418112410+04	.4546851536670+04	-.3570479296600+02	-.6715665234660+06	.6781609662300+06	-.3609042533170+05
.1311296631740+09	.7080477684890+08	.6022443762800+03	-.1247888839960+07	.2266304786630+07	-.2944733302050+03
.1279330308940+09	.7564121559370+08	-.3671315463840+03	-.1412578978180+07	.2140996072890+07	.3063261068590+04
.1279334841190+09	.7561867216500+08	.6265190363780+04	-.1278862771420+07	.2145149583670+07	.8043545106060+04
1 3 16730.4312444	16730.4351637	16732.6755	6494.9858	7000.000 3193.23	11.02716 10.61806 23561.9648 22.91
12869.0	.98138	2.27	216.31	188.44	31.31
.4613534641540+04	.4571511036140+04	-.3776284680170+02	-.6702433238220+06	.6760960774830+06	-.3734127931090+05
.1311284958880+09	.7080689672800+08	.6019689250120+03	-.1247926023600+07	.2266285200690+07	-.2944789428400+03
.1279324014780+09	.7564231574370+08	-.3692897838680+03	-.1412574105800+07	.2140953320250+07	.3079026644140+04
.1279328636130+09	.7561971298970+08	.6269093044350+04	-.1278873079550+07	.2145144982790+07	.8043362054800+04
1 4 16730.4321776	16730.4359843	16732.6760	6526.6281	7000.000 3185.27	11.00019 10.61811 23620.7426 22.90
12931.3	.98131	2.35	216.22	188.55	30.29
.4633622699550+04	.4596175402920+04	-.3982876029020+02	-.6689296466110+06	.6740455075770+06	-.3857043401240+05
.1311273313440+09	.7080901154900+08	.6016941233910+03	-.1247963118550+07	.2266265660650+07	-.2944845376180+03
.1279317720000+09	.7564341595260+08	-.3714407883560+03	-.1412569369200+07	.2140910700010+07	.3094685016080+04
.1279322430550+09	.7562075389070+08	.6272995930900+04	-.1278883389090+07	.2145140382500+07	.8043178869810+04
1 5 16730.4331093	16730.4367982	16732.6765	6558.2806	7000.000 3177.37	10.97341 10.61815 23679.5570 22.89
12993.5	.98123	2.43	216.15	188.66	29.24
.4653698006680+04	.4620863922200+04	-.4190412847720+02	-.6676243806290+06	.6720075262690+06	-.3977927294240+05
.1311261685680+09	.7081112307640+08	.6014197421700+03	-.1248000155740+07	.2266246150210+07	-.2944901192350+03

.1279311419530+09	.7564451711130+08	-.3735863376960+03	-.1412564763760+07	.2140868176900+07	.3110249762270+04
.1279316219420+09	.7562179571100+08	.6276902183700+04	-.1278893708380+07	.2145135779060+07	.8042995402580+04
1 6 16730.4340380	16730.4376037	16732.6770	6589.8867	7000.001 3169.54	10.94686 10.61820 23738.3040 22.88
13055.6	.98116	2.51	216.07	188.76	28.15
.4673724606580+04	.4645532294820+04	-.4398519053460+02	-.6663297710640+06	.6699856441180+06	-.4096606793910+05
.1311250095850+09	.7081322763600+08	.6011462588540+03	-.1248037070740+07	.2266226703330+07	-.2944956780080+03
.1279305124480+09	.7564561727400+08	-.3757226893820+03	-.1412560296670+07	.2140825825140+07	.3125694386980+04
.1279310013730+09	.7562283660950+08	.6280804899600+04	-.1278904019180+07	.2145131180630+07	.8042811977340+04
1 7 16730.4349660	16730.4384023	16732.6774	6621.5282	7000.000 3161.76	10.92047 10.61825 23797.1372 22.87
13117.8	.98109	2.59	216.01	188.86	27.02
.4693754348950+04	.4670244361300+04	-.4607730214950+02	-.6650423825930+06	.6679744997470+06	-.4213429400420+05
.1311238513420+09	.7081533077210+08	.6008729530190+03	-.1248073960800+07	.2266207268790+07	-.2945012286090+03
.1279298818430+09	.7564671931140+08	-.3778554579040+03	-.1412555955440+07	.2140783533370+07	.3141060115490+04
.1279303797280+09	.7562387930230+08	.6284714261960+04	-.1278914348400+07	.2145126575190+07	.8042628115320+04
1 8 16730.4358915	16730.4391916	16732.6779	6653.1380	7000.006 3154.04	10.89430 10.61829 23855.9333 22.85
13179.9	.98101	2.67	215.95	188.95	25.85
.4713744786450+04	.4694947700560+04	-.4817600739260+02	-.6637648634930+06	.6659782423700+06	-.4328185743180+05
.1311226962370+09	.7081742812940+08	.6006003906830+03	-.1248110749520+07	.2266187886830+07	-.2945067595630+03
.1279292542680+09	.7564781665950+08	-.3799864940800+03	-.1412551712930+07	.2140741531180+07	.3156279772340+04
.1279297608510+09	.7562491734070+08	.6288606093110+04	-.1278924632160+07	.2145121991220+07	.8042444954120+04
1 9 16730.4368154	16730.4399714	16732.6784	6684.7466	7000.000 3146.37	10.86831 10.61835 23914.7506 22.84
13242.1	.98094	2.74	215.89	189.04	24.63
.4733715231280+04	.4719666118200+04	-.5028329727790+02	-.6624958898420+06	.6639948061980+06	-.4441027252570+05
.1311215430960+09	.7081952184180+08	.6003282945990+03	-.1248147474320+07	.2266168537730+07	-.2945122765270+03
.1279286206690+09	.7564892318500+08	-.3820991066650+03	-.1412547670740+07	.2140699350750+07	.3171476826990+04
.1279291364950+09	.7562596455880+08	.6292532259740+04	-.1278935007510+07	.2145117367650+07	.8042260051930+04
1 10 16730.4377373	16730.4407403	16732.6789	6716.3380	7000.004 3138.76	10.84252 10.61839 23973.5605 22.83
13304.2	.98087	2.82	215.83	189.12	23.34
.4753655587650+04	.4744387081080+04	-.5239806362290+02	-.6612360215470+06	.6620250686470+06	-.4551934522870+05
.1311203924540+09	.7082161093660+08	.6000567912000+03	-.1248184118160+07	.2266149230500+07	-.2945177769640+03
.1279279897810+09	.7565002557580+08	-.3842111405800+03	-.1412543723400+07	.2140657436970+07	.3186537366540+04
.1279285145950+09	.7562700764720+08	.6296442861920+04	-.1278945342600+07	.2145112763240+07	.8042075757880+04
1 11 16730.4386573	16730.4414971	16732.6794	6747.9170	7000.000 3131.21	10.81692 10.61844 24032.3734 22.82
13366.2	.98079	2.90	215.78	189.20	21.99
.4773568898510+04	.4769114287530+04	-.5452059740660+02	-.6599849761160+06	.6600685957390+06	-.4660962830670+05
.1311192440810+09	.7082369583440+08	.5997858259120+03	-.1248220688400+07	.2266129961250+07	-.2945232620060+03
.1279273597000+09	.7565112674610+08	-.3863190294580+03	-.1412539892120+07	.2140615690460+07	.3201488064220+04
.1279278934160+09	.7562804951510+08	.6300348807650+04	-.1278955666240+07	.2145108165150+07	.8041891558860+04
1 12 16730.4395756	16730.4422399	16732.6799	6779.4857	7000.000 3123.71	10.79151 10.61849 24091.1944 22.81
13428.3	.98072	2.97	215.73	189.28	20.55
.4793456537000+04	.4793849320120+04	-.5665100015770+02	-.6587425836330+06	.6581251359570+06	-.4768156158670+05
.1311180978470+09	.7082577676830+08	.5995153684600+03	-.1248257189140+07	.2266110727840+07	-.2945287322930+03
.1279267273250+09	.7565223140770+08	-.3884160999820+03	-.1412536214180+07	.2140573955050+07	.3216369170880+04
.1279272701460+09	.7562909487860+08	.6304267776720+04	-.1278966025160+07	.2145103552550+07	.8041706620710+04
1 13 16730.4404917	16730.4429657	16732.6804	6811.0285	7000.000 3116.27	10.76629 10.61854 24149.9959 22.80
13490.2	.98065	3.04	215.69	189.36	19.01
.4813308650070+04	.4818579939610+04	-.5878818354470+02	-.6575093736830+06	.6561955087040+06	-.4873498327060+05
.1311169542670+09	.7082785280780+08	.5992453984200+03	-.1248293604040+07	.2266091538850+07	-.2945341854050+03
.1279260974390+09	.7565333224380+08	-.3905115947350+03	-.1412532633950+07	.2140532472470+07	.3231118715090+04
.1279266491400+09	.7563013643480+08	.6308172390850+04	-.1278976347010+07	.2145098957680+07	.8041522235470+04
1 14 16730.4414066	16730.4436717	16732.6808	6842.5764	7000.000 3108.88	10.74125 10.61858 24208.8370 22.78
13552.2	.98058	3.12	215.65	189.43	17.34
.4833144846000+04	.4843330409560+04	-.6093421581710+02	-.6562840429630+06	.6542776969320+06	-.4977127979330+05
.1311158121630+09	.7082992608780+08	.5989760626110+03	-.1248329970570+07	.2266072374580+07	-.2945396269720+03
.1279254640690+09	.7565443845080+08	-.3925954725620+03	-.1412529214270+07	.2140490936040+07	.3245818412770+04

.127926024941D+09	.756311833372D+08	.631209696560D+04	-.127898672249D+07	.214509434015D+07	.804133678240D+04				
1 15 16730.4423190	16730.4443510	16732.6813	6874.0831	7000.000	3101.55	10.71641	10.61863	24267.6325	22.77
13614.1	.98050	3.19	215.61	189.50	15.49				
.485293601658D+04	.486806442447D+04	-.630859035626D+02	-.655068308915D+06	.652374378245D+06	-.507892777437D+05				
.131114673166D+09	.708319936525D+08	.598707321005D+03	-.124836623687D+07	.226605326234D+07	-.294545049262D+03				
.127924832454D+09	.756555418794D+08	-.394674634294D+03	-.141252590493D+07	.214044961862D+07	.326039451376D+04				
.127925402363D+09	.756322275087D+08	.631601122088D+04	-.127899707156D+07	.214508973560D+07	.804115169189D+04				
1 16 16730.4432302	16730.4449951	16732.6818	6905.5913	7000.001	3094.28	10.69174	10.61867	24326.4633	22.76
13676.0	.98043	3.26	215.57	189.57	13.40				
.487270897160D+04	.489281530425D+04	-.652461220432D+02	-.653860433242D+06	.650482852647D+06	-.517907048468D+05				
.131113535677D+09	.708340583997D+08	.598438938435D+03	-.124840245377D+07	.226603417536D+07	-.294550459900D+03				
.127924200283D+09	.756566462334D+08	-.396748686352D+03	-.141252271867D+07	.214040839130D+07	.327488573802D+04				
.127924779244D+09	.756332275759D+08	.631992875235D+04	-.127900743015D+07	.214508512803D+07	.804096632139D+04				
1 17 16730.4441389	16730.4455844	16732.6823	6937.0587	7000.001	3087.06	10.66727	10.61872	24385.2516	22.75
13737.9	.98036	3.33	215.53	189.63	10.94				
.489243723007D+04	.491754986480D+04	-.674119302470D+02	-.652661951313D+06	.648605521555D+06	-.527745520567D+05				
.131112401179D+09	.708361176420D+08	.598171264251D+03	-.124843857414D+07	.226601513847D+07	-.294555851870D+03				
.127923568393D+09	.756577500495D+08	-.398814925564D+03	-.141251965889D+07	.214036730786D+07	.328927376419D+04				
.127924156411D+09	.756343171542D+08	.632384436878D+04	-.127901778455D+07	.214508052354D+07	.804078091645D+04				
1 18 16730.4450470	16730.4460719	16732.6828	6968.5430	7000.000	3079.88	10.64295	10.61877	24444.1067	22.74
13799.7	.98029	3.40	215.50	189.70	7.73				
.491215704268D+04	.494231347361D+04	-.695872688864D+02	-.651470581498D+06	.646738819261D+06	-.537429435405D+05				
.131111267541D+09	.708381752476D+08	.597903795663D+03	-.124847466582D+07	.226599611593D+07	-.294561235320D+03				
.127922936612D+09	.756588538605D+08	-.400879563268D+03	-.141251670666D+07	.214032633981D+07	.330357410448D+04				
.127923533613D+09	.756353616628D+08	.632775964236D+04	-.127902813891D+07	.214507592028D+07	.804059540273D+04				
1 19 16730.4459530	16730.4459535	16732.6833	6999.9986	6999.999	3072.76	10.61881	10.61881	24502.9444	22.73
13861.5	.98021	3.47	215.46	189.76	.00				
.493183975624D+04	.496707024006D+04	-.717689652163D+02	-.650287986026D+06	.644885334825D+06	-.546947781343D+05				
.131110136356D+09	.708402283226D+08	.597636908905D+03	-.124851067805D+07	.226597713449D+07	-.294566602698D+03				
.127922302839D+09	.756599606421D+08	-.402932661913D+03	-.141251390321D+07	.214028539963D+07	.331780294087D+04				
.127922909020D+09	.756364091721D+08	.633168608145D+04	-.127903852368D+07	.214507130473D+07	.804040923441D+04				