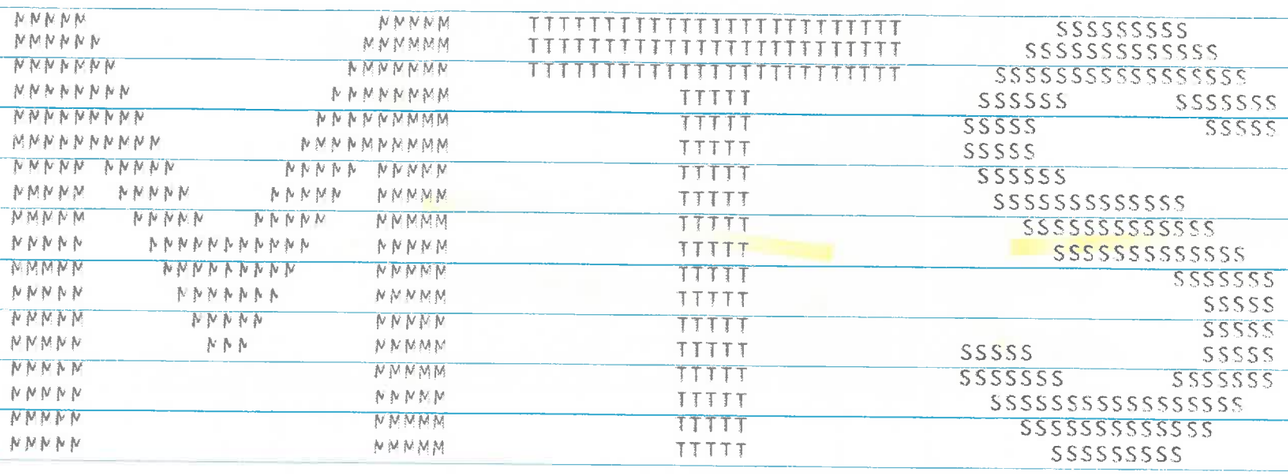
JCB NO. C27546 UNIVERSITY OF MICHIGAN TERMINAL SYSTEM (MODEL AN120) 13:11.10 03-11-70

IMPORTANT: DATACELL USERS, COPY *CELLSTATUS
$SIGNON CCRL T=4.CM C=60C P=150



```
$SIGNON CORL   T=4.CM   C=6CC   P=15C
**LAST SIGNON WAS: 17:54.23   C3-C2-7C
 USER "CORL" SIGNED ON AT  13:11.14 ON C3-11-7C
$RUN *FORTRAN SPUNCH=-CBJ          PAR=SOURCE,MAP
EXECUTION BEGINS
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```
C0C1                  INTEGER*2  A(150EC),NER,LEN
C0C2                  DIMENSION KCNT(6CCC),ZMCLE(6000),DIST(32,32),MDST(32,32),LMOL(40)
C0C3                  DIMENSION CTP(20),KCNC(10000),CDIST(32,32),FCONC(2),CLDST(32,32)
C0C4                  DIMENSION VMAR(3C),VLMAR(30), CMAR(30),OPTM(20)
C0C5                  DIMENSION CSDT(32,32),CPTA(20),CPTB(20)
C0C6            572   FORMAT(6I1C,2E12.4)
C0C7            571   FORMAT(25(1X,Z4))
C0C8             52 FORMAT(1CI8/1CI8/1CI8/1CI8)
C0C9            17    FORMAT (3I1C,2F1C.4)
C0C10           717   FORMAT(2CI4)
C0C11           83    FORMAT(111C)
C0C12           7     FORMAT (2CA4)
C0C13           82    FORMAT(2F15.6)
C0C14           87    FORMAT (1I15,5E14.6)
C0C15           5     FORMAT  (815,5F8.4)
C0C16             88 FORMAT(11E1C.4)
C0C17            1CC FORMAT(1I15,1E14.6)
C0C18                 DATA FSF,LEN,MCC/'FSF',3,1287
C0C19                 READ(5,5) NBR,NSSB,NLEV,NCS,NDIM,NCC,NCRG,NMA,BB,FRT,FAC,FREQ,SDR
C0C20                 READ(5,17) NSPCA,NSTCA,NCIP,CPC,DRM
C0C21                 NSSBS=NSSB
C0C22                 LT=C
C0C23                 KCLNT=0
C0C24                 JK=C
C0C25                 NCLES=0
C0C26                 NKCNT=C
C0C27                 NCG=0
C0C28                 CCNCM=C.C
C0C29                 CCNCL=1CCCC.C
C0C30                 ZMMCL=C.C
C0C31                 DC 74 I=1,4C
C0C32           74    LMCL(I)=C
C0C33                 EASE=C.C
C0C34                 NCR=C
C0C35                 L=0
C0C36                 NKSD=SDR*FREQ/(2.C*FRT*FAC*NCS)
C0C37                 SCEK=FRT*FAC*NCS*2.C/FREQ
C0C38                   CALL FCSTAP
C0C39                 IF(NCC.NE.C) GC TC 73
C0C40           28    CALL CCRCT(A,NER,822)
C0C41                 INBR=NBR/2
C0C42           22    NCC=NCC+1
C0C43                 DC 23 I=4,INBR,25
C0C44                 IF(I.GT.1CC4) GC TC 24
C0C45                 EASE=BASE+A(I)/4C.C
C0C46                 GC TC 23
C0C47           24    IBASE=BASE
C0C48                 KLEV=A(I)-IEASE
C0C49                 IF (KLEV.LE.NLEV) GC TC 26
C0C50                 LT=LT+1
C0C51                 FCCN=FCCN+KLEV
C0C52                 GC TC 23
C0C53           26    EASE=(BASE*30.0+A(I))/31.0
C0C54           23    CCNTINLE
C0C55                 FCCNC(NCC)=FCCN/LT
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0056                IF (NCC.EQ.1) GO TO 28
0057                WRITE (6,62) (FCCNC(I),I=1,2)
0058          73    ITMZ=0
0059                READ(5,63) ISREC
0060          71    IF(ITMZ.GE.ISREC)  GO TO 70
0061                CALL WRITE(FSF,LEN,MCD,C,2)
0062                ITMZ=ITMZ+1
0063                GO TO 71
0064          70    CALL CCRCT(A,NBR,SEC)
0065                INBR=NBR/2
0066                IPRT=INBR-24
0067                WRITE(6,571) (A(I),I=1,25)
0068                WRITE(6,571)  (A(I),I=IPRT,INBR)
0069                NCR=NCR+1
0070                IF(NCR.GT.1)  NSSB=4
0071                IF(NCR.GT.1)  GO TO 30
0072                DO 20 I=4,NSSB
0073          20    BASE=BASE+A(I)/(NSSB+0.0001)
0074                IBASE=BASE
0075          30    DO 60     I=NSSB,INBR,NCS
0076                IF(A(I).EQ.0)  GO TO 50
0077                IF(A(I).EQ.1023)   GO TO 50
0078               KLEV1=IBASE-A(I)
0079                IF (KLEV1.LE.NLEV)     GO TO 40
0080                KCUNT=KCUNT+1
0081                NCLES=NCLES+KLEV1
0082                GO TO 60
0083          40    IF(KCUNT .LT. NKSC)    GO TO 51
0084                L=L+1
0085                KCNT(L)=KCUNT
0086                ZNCLE(L)=NCLES
0087                KCNC(L)=NCLES/KCUNT
0088                IF(KCUNT.GT.MKCNT)  MKCNT=KCUNT
0089                IF(KCNC(L).GT.CONCM) CONCM=KCNC(L)
0090                IF(KCNC(L).LT.CONCL)  CONCL=KCNC(L)
0091          51    IF(KLEV1.GT.50)  GO TO 50
0092                BASE=(BE*BASE+A(I))/(BE+1.0)
0093                IBASE=BASE
0094          50    KCUNT=0
0095                NCLES=0
0096          60    CONTINUE
0097                WRITE(6,572)  L,MKCNT,NBR,IBASE,NCR,KCUNT,CONCM,CONCL
0098                GO TO 70
0099          80    NCG=NCG+1
0100                IF(NCG.GE.NCRG) GO TO 63
0101                NCR=0
0102                 NSSB=NSSBS
0103                BASE=0.0
0104                GO TO 73
0105          63    CONTINUE
0106                STOT=0.0
0107                S1=0.0
0108                C1=0.0
0109                S2=0.0
0110                S1C1=0.0
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C111                C2=C.C
C112                S3=C.C
C113                S2C1=C.C
C114                S1C2=C.C
C115                C3=C.C
C116                DO 78 I=1,L
C117                SCAD=RCNT(I)*SCFK
C118                SCAD2=SCAD*SCAD
C119                SCAD3=SCAD2*SCAD
C120                CONCZ=(RCNC(I)-CONCL)/(CONCM-CONCL)
C121                CCAD=SCAD*CONCZ
C122                CCAD2=CCAD*CONCZ
C123                STOT=STOT+SCAD
C124                S1=S1+SCAD2
C125                C1=C1+CCAD
C126                S2=S2+SCAD3
C127                S1C1=S1C1+SCAD*CCAD
C128                C2=C2+CCAD2
C129                S3=S3+SCAD3*SCAD
C130                S2C1=S2C1+SCAD2*CCAD
C131                S1C2=S1C2+SCAD*CCAD2
C132                C3=C3+CCAD2*CONCZ
C133                ZMOLE(I)=ZMOLE(I)-RCNT(I)*CONCL
C134                IF (ZMOLE(I).GT.ZMMCL) ZMMCL=ZMOLE(I)
C135                IF(RCNT(I).LE. LMCL(1)) GO TO 78
C136                DO 72 I1=2,40
C137                IF (RCNT(I).LT.LMCL(I1))  GO TO 77
C138          72    LMCL(I1-1)=LMCL(I1)
C139                I1=I1+1
C140          77    LMCL(I1-1)=RCNT(I)
C141          78    CONTINUE
C142                SUM=0.0
C143                DO 53 IE=0,38
C144                I=40-IE
C145                SUM=SUM+LMCL(I)*SCFK/STOT
C146                IF(SUM.GT.DPC.AND.LMCL(I).NE.LMCL(I-1))  GO TO 54
C147          53    CONTINUE
C148          54    LMC=LMCL(I-1)
C149                IF(DRM.GT.0.0)  LMC=DRM/SCFK
C150                DO 21 I=1,NMA
C151                VMAR(I)=0.0
C152                VLMAR(I)=0.0
C153          21    CMAR(I)=0.0
C154                KGB=NCIP
C155                IF (NCIM.GT.NCIP)  KGB=NCIM
C156                DO 85 I=1,KGB
C157                DO 85 J=1,KGB
C158                CDIST(I,J)=0.0
C159                CSDT(I,J)=0.0
C160                CLDST(I,J)=0.0
C161          85    RDST(I,J)=0
C162                DCM=(CONCM-CONCL)/(NCIP-0.001)
C163                DVM=(LMC-NKSD)/(NCIP-1.001)
C164                DC=(CONCM-CONCL)/(NCIM-0.0001)
C165                DM=ZMMCL/(NCIM-0.001)
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C166                DV=(MKCNT-MKSC)/(NCIM-C.C01)
C167                DVV=(MKCNT-MKSC)/(NMA-C.CC1)
C168                DCC=(CCMCM-CCMCL)/(NMA-C.001)
C169                BLCG=ALCG(MKCNT+C.CCC1)
C170                SLCG=ALCG(MKSC+C.CCC1)
C171                DLV=(BLCG-SLCG)/(NCIM-C.CC01)
C172                DLVV=(BLCG-SLCG)/(NMA-C.C01)
C173                KTCT=C
C174                DC 90  I=1,L,1
C175                KCZT=KCNT(I)
C176                KTCT=KTCT+KCZT
C177                CLCG=ALCG(KCZT+C.CCC1)-SLCG
C178                CCNT=KCMC(I)-CCMCL
C179                KCLT=KCZT-MKSC
C180                JKK=CLCG/DLV
C181                JMM=ZMCLE(I)/DM
C182                JCC=CCNT/DC
C183                JNN=KCLT/DV
C184                JVV=KCLT/DVV
C185                JLV=CLCG/DLVV
C186                JCLC=CCNT/DCC
C187                JKKK=KCLT/DVM
C188                JCCC=CCNT/DCM
C189                IF(JKKK.GE.NCIP)  JKKK=NCIP-1
C190                VMAR(JVV+1)=VMAR(JVV+1)+KCNT(I)
C191                VLMAR(JLV+1)=VLMAR(JLV+1)+KCNT(I)
C192                CMAR(JCLC+1)=CMAR(JCLC+1)+KCNT(I)
C193                CDIST(JKK+1,JCC+1)=CDIST(JKK+1,JCC+1)+KCNT(I)
C194                CSDT(JKKK+1,JCCC+1)=CSDT(JKKK+1,JCCC+1)+KCZT
C195                CLDST(JNN+1,JCC+1)=CLDST(JNN+1,JCC+1)+KCNT(I)
C196          90    MDST(JKK+1,JMM+1)=MDST(JKK+1,JMM+1)+KCNT(I)
C197                TVCL=KTCT
C198                DC 25 I=1,NMA
C199                VMAR(I)=VMAR(I)/TVCL
C200                VLMAR(I)=VLMAR(I)/TVCL
C201          25    CMAR(I)=CMAR(I)/TVCL
C202                KCB=NCIP
C203                IF (NCIM.GT.NCIP)  KCB=NCIM
C204                DC 95 I=1,KCB
C205                DC 95 J=1,KCB
C206                CSDT(I,J)=CSDT(I,J)/TVCL
C207                CDIST(I,J)=CDIST(I,J)/TVCL
C208                CLDST(I,J)=CLDST(I,J)/TVCL
C209          95    DIST(I,J)=MDST(I,J)/TVCL
C210                ADS=S1/STCT
C211                SMV=S2/STCT
C212                TMV=S3/STCT
C213                CVC=S1C1/STCT
C214                SMC=C2/STCT
C215                TMC=C3/STCT
C216                ACCN=C1/STCT
C217                SMVAC=S2C1/STCT
C218                SMCAV=S1C2/STCT
C219                CMAX=MKCNT*SCEK
C220                CRM=LMC*SCEK
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C221                  DMIN=(NKSD   )*SCEK
C222                 WRITE(6,100) LMC,SCEK
C223                 WRITE(6,88) ECM,EVM,EC,DM,DV,DVV,DCC,BLOG,SLOG,DLV,DLVV
C224                  WRITE(6,87) MKCNT,DMAX,DMIN,DRM,CONCM,CONCL
C225                  WRITE(6,87) L,ADS,SMV,TMV,CVC,SMVAC
C226                  WRITE(6,87) NKSD,ACCN,SMC,TMC,SMCAV,STOT
C227                  READ (5,7)  (CTP(I),I=1,20)
C228                  WRITE (6,CTP) ((CLOST(I,J),J=1,NDIM),I=1,NDIM)
C229                  WRITE (6,CTP) ((CDIST(I,J),J=1,NDIM),I=1,NDIM)
C230                  WRITE (6,CTP) ((DIST(I,J),J=1,NDIM),I=1,NDIM)
C231                  READ(5,7) (CPTM(I),I=1,20)
C232                  WRITE(6,CPTM) (VMAR(I),I=1,NMA),(VLMAR(I),I=1,NMA),(CMAR(I),
                     2 I=1,NMA)
C233                  READ (5,7) (CPTA(I),I=1,20)
C234                  WRITE(6,CPTA)  ((CSET(I,J),J=1,NDIP),I=1,NDIP)
C235                  IF (NSPDA.LT.1)  GO TO 18
C236                  WRITE(4,717)  (KCNT(I),KCNC(I),I=1,L)
C237            18    IF (NSTDA.LT.1)  GO TO 19
C238                  READ (5,7)  (CPTE(I),I=1,20)
C239                  WRITE(6,87) L,DMAX,DMIN,ADS, SMV,CVC
C240                  WRITE(6,87) L,CONCL,CONCM,SCEK,TVCL,STOT
C241                 WRITE(6,52) (LMCL(I),I=1,40)
C242                  WRITE(6,CPTE) (KCNT(I),KCNC(I),I=1,L)
C243            19    CONTINUE
C244                  END
```

SUBPROGRAMS CALLED

SYMBOL	LOCATION	SYMBOL	LOCATION	SYMBOL	LOCATION	SYMBOL	LOCATION	SYMBOL	LOCATION
IBCOM#	248	PCSTAP	24C	CCRCT	250	WRITE	254	ALOG	258

SCALAR MAP

SYMBOL	LOCATION	SYMBOL	LOCATION	SYMBOL	LOCATION	SYMBOL	LOCATION	SYMBOL	LOCATION
FSF	28C	NCE	290	NSSB	294	NLEV	298	NOS	29C
NDIM	2A0	NCC	2A4	NCRG	2A8	NMA	2AC	BB	2B0
FRT	2B4	FAC	2B8	FREQ	2BC	SDR	2C0	NSPDA	2C4
NSTCA	2C8	NCIP	2CC	CPC	2D0	DRM	2D4	NSSBS	2D8
LT	2DC	KCLNT	2E0	JK	2E4	MOLES	2E8	MKONT	2EC
NCG	2F0	CCNCM	2F4	CCNCL	2F8	ZMMOL	2FC	I	300
BASE	304	NCR	308	L	30C	NKSD	310	SOEK	314
INBR	318	IBASE	31C	KLEV	320	FCON	324	ITMZ	328
ISREC	32C	IPRT	330	KLEV1	334	STOT	338	S1	33C
C1	340	S2	344	S1C1	348	C2	34C	S3	350
S2C1	354	S1C2	358	C3	35C	SOAD	360	SOAD2	364
SCAD3	368	CCNC2	36C	CCAD	370	COAD2	374	I1	378
SUM	37C	IE	380	LMO	384	KGB	388	J	38C
DCM	390	DVM	394	DC	398	DM	39C	DV	3A0
DVV	3A4	DCC	3A8	BLOG	3AC	SLOG	3B0	DLV	3B4
DLVV	3B8	KTCT	3BC	KCZT	3C0	CLOG	3C4	CONT	3C8
KCLT	3CC	JKK	3D0	JMM	3D4	JCC	3D8	JNN	3DC
JVV	3E0	JLV	3E4	JCLC	3E8	JKKK	3EC	JCCC	3F0
TVCL	3F4	ADS	3F8	SMV	3FC	TMV	400	CVC	404
SMC	408	TMC	40C	ACCN	410	SMVAC	414	SMCAV	418
EMAX	41C	EMIN	420	LEN	424	NBR	426		

ARRAY MAP

SYMBOL	LOCATION	SYMBOL	LOCATION	SYMBOL	LOCATION	SYMBOL	LOCATION	SYMBOL	LOCATION
A	428	KCNT	75EC	ZMOLE	077C	DIST	1353C	MDST	1453C
LMCL	1553C	CTP	155CC	KCNC	1562C	CDIST	1F26C	FCONC	2026C
CLDST	2C274	VMAR	21274	VLMAR	212EC	CMAR	21364	OPTM	213DC
CSCT	2142C	OPTA	2242C	OPTB	2247C				

FORMAT STATEMENT MAP

SYMBOL	LOCATION	SYMBOL	LOCATION	SYMBOL	LOCATION	SYMBOL	LOCATION	SYMBOL	LOCATION
572	224CC	571	224D7	52	224E0	17	224F5	717	22500
83	225C6	7	225CC	82	22512	87	22519	5	22524
88	2252F	100	22536						

TOTAL MEMORY REQUIREMENTS 024202 BYTES
EXECUTION TERMINATED

```
$RUN *STATUS
EXECUTION BEGINS

STATUS OF CORL AT LAST SIGNOFF          USED       MAXIMUM     REMAINING

CUMULATIVE CHARGE          ($)          173.66      300.00      126.34
CURRENT DISK SPACE         (PAGES)           0          20          20
CUMULATIVE DISK STORAGE    (PG-DA)        1.13
CUMULATIVE MEMORY--CPU     (PG-HR)       17.10
CUMULATIVE MEMORY--WAIT    (PG-HR)       90.42
CUMULATIVE CPU TIME        (HR)           0.40
CUMULATIVE LINES PRINTED                10106
CUMULATIVE PAGES PRINTED                  265
CUMULATIVE CARDS PUNCHED                 2051
CUMULATIVE CARDS READ                    3944
BATCH SESSIONS                             14
EXPIRATION DATE AND TIME:  05-05-70  24:00.00

EXECUTION TERMINATED
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```
$RUN *MCONT;PAR=G652 CN 7TP,PNAME=*CT*,MODE=2CF,SIZE=30100,'EDATA',RING OUT
EXECUTION BEGINS
G652 CN 7TP,PNAME=*CT*,MODE=2CF,SIZE=30100,'EDATA',RING OUT

*CT*: MCONTEC CN TCC1
EXECUTION TERMINATED
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$RUN  -OBJ+*SOURCE* *SINK*; 2=*OT* 5=*SOURCE* 6=*SINK* 4=*PUNCH* 7=STORG

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 ENTRY = 503000  SIZE = 027ACC

NAME      VALUE  T RF    NAME      VALUE  T RF    NAME      VALUE  T RF

GETSPACE 2CD21A *       FREESPAC 2CD5CE *       ERROR#   21488E *
MTS#     214EAA *       CANREPLY 2171FA *       GDINFO   21724E *
SETIOERR 21747C *       PCINT    2177BC *       SCARDS#  217D84 *
SPRINT#  217D96 *       SPRINT   217D96 *       SPUNCH#  217DA8 *
SERCOM#  217DEA *       READ#    217E38 *       READ     217E38 *
WRITE#   217E54 *       WRITE    217E54 *       LOCSYMBOL 218A00 *
CORCT    5CCCDE  5CCCD8 PCSTAP   500240  5CCCDE REWIND#  500310 *500310
IHCSLOG  5CC4AC *5CC4AC ALOC     5CC4BC *       MAIN     503000  503000
FIOCS#   5272C8 *5272C8 IBCOM#   528CCC *528CCC ACCON#   52A00C *52A000
FCVZD    52A154 *       FCVAC    52A1FA *       FCVLO    52A282 *
FCVIO    52A5AE *       FCVEC    52AA9A *       FCVCO    52ACAC *


 ... ... ... ... ... ... ... ... ... ... ... ... ... ... ... ... ... ... ..

EXECUTION BEGINS
01CC CCCC 0CCC 0363 035F 037E 038C 0381 037F 0380 037F 0386 038F 036E 0366 036D 0374 0376 036E 0369 036F 0382 0397 0386 0379
035F 036B 036F 0356 034A 0357 035F 0354 0354 0357 0347 0367 037F 0373 036F 036D 036C 036C 0360 0353 034B 034F 0354 035C 0355
        6       1332      3CCC6       E72          1          0   0.6560E 03   0.2950E 03
02CC CCCC CCCC 0376 0382 0373 0369 036A 0347 0356 0376 0374 0378 0353 02F0 0243 0146 0093 005A 0053 007E 0087 0080 0074 006F
035F 0366 037C 0357 034B 035E 0372 036C 0365 036F 036A 036F 037C 035E 034A 035A 035F 035F 0363 0354 0349 0357 036C 036B 036C
       32       1332      3CCC6       E76          2          0   0.6600E 03   0.2830E 03
03CC CCCC CCCC 00DC 00E7 CCCE CCCB CCEC CCCE CCDE 00F1 00EC 00CD 00F6 00F1 00F7 00F3 00E3 00C6 00C2 00E1 00DC 00E0 00CC 00C1
0379 0371 0372 0371 037A 0383 0377 036C 0357 0361 0366 036E 036B 034F 0359 0372 0374 0370 036C 0370 037E 037F 0373 035F 034F
       48       1332      3CCC6       E79          3          0   0.6600E 03   0.2830E 03
04CC CCCC CCCC 037E 037F 037E 037C 0387 03C7 03FF 03FF 039F 0387 037A 0379 037A 036B 0358 0363 037F 0380 0379 0377 0385 0391
035F 0367 036A 035F 034F 0349 035F 0371 036E 036A 0376 037C 0380 037E 0360 0353 0366 036E 036A 0365 0357 0363 0373 0381 0385
       51       1332      3CCC6       E79          4          0   0.6600E 03   0.2830E 03
05CC CCCC CCCC 035F 036E 0374 036C 036F 036C 035B 0376 0385 0375 0370 0375 037B 0381 037F 0363 0357 036B 036F 036F 036C 035C
036C 035D 0363 0372 0374 0372 0367 035A 036F 0387 0382 0373 0374 0375 0383 038A 036F 0364 036F 036E 0371 036C 0357 0357 036F
       66       1332      3CCC6       E77          5          0   0.6640E 03   0.2830E 03
06CC CCCC 0CCC 0387 0373 0367 036F 037F 0379 036F 036A 035F 036F 038A 0381 0377 0374 0377 0386 0380 0369 0364 036C 036E 036F
0374 037A 037E 0376 0367 0366 0384 038A 037F 0376 0373 0383 0387 0380 036E 036A 036C 0374 0374 0367 035D 035E 0378 0386 0378
       81       1332      3CCC6       E72          6          0   0.6680E 03   0.2830E 03
07CC CCCC CCCC 036C 0367 0362 036C 0354 034A 0363 0377 0373 036F 0375 0376 0381 037A 0360 0356 0363 036E 036B 0362 0350 0354
035E 0347 033D 0349 0350 035A 0350 0341 033F 0354 0362 035B 0354 0357 0360 0360 0353 033A 0337 034B 035F 0363 035B 0345 0346
       92       1332      3CCC6       E65          7          0   0.6680E 03   0.2830E 03
08CC CCCC 0CCC 0257 0244 022F 0226 0230 023C 023F 0237 022B 0220 0247 024F 023F 023A 024A 024F 025C 0250 022F 022E 022F 023F
0347 034C 0346 034F 034C 033F 0327 0334 033B 033A 0338 0331 032B 0337 034F 034B 0346 033F 0346 0351 034F 0337 032B 0333 033E
      121       1332      3CCC6       E56          8          C   0.6720E 03   0.2830E 03
09CC CCCC CCCC 0357 0352 0352 0359 035E 0362 034B 033F 0342 034D 0350 0349 033F 0334 034C 0362 035F 0351 034F 034F 0357 0356
0346 033A 034E 035E 0361 0357 0364 036E 037C 0367 0355 0347 034F 0355 0357 034F 033F 0343 0357 036A 035C 035A 0357 0366 036A
12     158       1332      3CCC6       E52          9          0   0.6720E 03   0.2830E 03
11  00C1 0CCC 0CCC 034C 034C 0347 0363 0367 035F 036C 0357 0362 0360 0361 034F 0357 035E 036C 0367 0359 0347 034F 036C 0376 0360
10  034A 034E 034E 0357 0351 0347 0337 033A 036C 0367 035F 035E 035F 0364 0366 034F 0346 0347 0356 0357 0357 034B 033F 0351 0367
 9      192       1332      3CCC6       E50         10          C   0.6720E 03   0.2750E 03
 8  0101 CCCC CCCC 0344 0338 0347 034A 0347 033F 022F 0337 034E 0355 0351 035A 0357 035E 035C 034B 033D 0344 034D 0352 0353 033F
 7  0366 036A 036B 036F 035E 0347 034F 0357 035E 035C 034F 0342 034F 036B 036F 0368 0367 036F 0372 036C 0357 034A 034E 0357 0361
 6      215       1332      3CCC6       E53         11          0   0.6840E 03   0.2750E 03
 5  0201 CCCC 0CCC 035F 0363 036B 0371 036E 0354 034E 0359 0364 035C 034C 033C 033F 0357 0369 0363 0366 036A 0372 0379 036A 0357
 4  0356 0362 0376 036F 0372 0376 0377 037C 0379 0367 035F 036E 0373 036F 0367 035B 035B 0371 0383 037D 0377 0373 0376 037F 0379
 3
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       222       1332      3CCC6       864         12          0  0.6840E 03  0.2750E 03
C3C1 CCCC CCCC C34E C357 C369 C377 C366 C367 C36B 0374 0380 0368 035E 0357 0367 0362 036F 0355 0358 035C 037B 0373 036F 0366
C35C C359 C35C C35B C34F C345 C353 C373 C372 0369 0367 036A 036F 0370 0360 0351 0356 036A 0366 0368 035B 0351 035D 0372 0377
       229       2135      3CCC6       864         13          0  0.6840E 03  0.2750E 03
C4C1 CCCC CCCC 0352 C353 C35F C35E 0359 C34E C34F 0366 0374 0367 02EB 0217 01E1 01E2 01DC 01E3 01E7 0217 0224 0227 0226 0217
0342 0346 0342 033C C31B C31F C327 032E C329 031B 0320 0332 034F 034B 034F 0353 035F 036E 0369 0356 0347 034F 0355 034F 034A
       276       2135      3CCC6       854         14          0  0.6840E 03  0.275CE 03
C5C1 CCCC CCCC 036E C36C C372 C35F C347 C34F C35B 0356 0357 0349 0342 0347 0364 0368 0369 0364 036B 0370 036B 035B 034A 0352
C33D 034F C363 C362 C35E C359 C362 C364 C355 C33F 032F 034B 034C 034E 033F 032F 0340 0306 0217 0127 00DE 00AF 00A4 00A4 009C
       328       2135      3CCC6       845         15          7  0.6840E 03  0.275CE 03
C6C1 CCCC CCCC CCA2 CCE2 CCC6 CCD2 CCEE CCC1 CCBF 00C2 00CD 00B9 00A5 009A 00A7 00AF 00B1 00B0 00A7 00B7 00CE 00CD 00BE 00BF
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       3E7       2135      3CCC6       835         16         37  0.6840E 03  0.275CE 03
C7C1 CCCC CCCC 032C C328 0331 C331 0333 C32C C321 0334 0346 0346 0338 0341 0346 034B 0346 0337 0327 0334 032F 0337 0335 0327
C1EC C18F 01AE 01CE C1DE 01D7 C1DC C1E9 C1FE 0202 0207 01F7 01F3 020F 021E 021C 0216 020F 0217 0222 020F 01FC 01F3 01FE 020E
       452       2135      3CCC6       825         17         31  0.6840E 03  0.275CE 03
C8C1 CCCC CCCC C32F C32F C337 C339 0334 C323 031D 0324 032C 0327 0323 031A 0311 0330 033F 033B 0348 0337 02AF 01A6 00CE 0077
C1E7 C1F3 01F7 0217 C233 0235 C23C C22E C231 0237 0236 0217 020C 0217 021B 0220 0219 0206 0209 021E 0235 022B 0220 0227 022B
       525       2135      3CCC6       82C         18         33  0.6840E 03  0.275CE 03
C9C1 CCCC CCCC 01FA C1DB 01F6 C1A9 01B2 C1E1 C133 013B 01F0 02B2 02F6 030F 0312 031E 0327 032B 032A 031E 0312 032A 0345 033F
00CF 00B7 00CF 00AC 00B7 00B7 00BE 00A7 00A5 00B3 00C7 00B5 00BD 00B5 00C1 00C6 00C1 00A2 0099 00AC 00AC 00B6 00AC 00A2 00A2
       582       2135      3CCC6       814         19         56  0.6840E 03  0.275CE 03
00C2 CCCC CCCC CCCE CCB3 CCA7 CC9B CCA5 CCAA CCAF 0097 0090 0097 00B4 00B4 00A7 00B2 00AE 00BF 00B4 009B 008C 0087 00AA 009A
C33F 033C 032F C337 C33F 0344 C33F C321 C31C C327 0331 0333 032B 031B 0320 0339 0347 033E 033C 0337 0345 034B 0343 032A 031C
       638       2135      3CCC6       815         20          0  0.6840E 03  0.275CE 03
C1C2 CCCC CCCC 034B C347 C33C C33F C34E C34B C349 032D 0327 C327 0332 032F 032A 0323 0322 033A 033F 033F 0337 0337 031E 0307
035B 0366 C367 C35F C34A 0341 035C C34C C349 0346 0339 0342 0361 036E 035F 035D 035C 0365 0364 035B 0346 033F 034B 034E 034B
       642       2135      3CCC6       845         21          0  0.6840E 03  0.275CE 03
02C2 CCCC CCCC 0353 0353 035C C35C C33F C339 C33F 0347 0347 0347 033B 033A 0352 0360 035E 035F 0358 0363 0361 0354 033F 033B
C35E C37C 036B 0364 C36B C36F C36F 036E C34F C34A 0357 0360 0363 035C 0349 0346 0360 0371 0376 0369 036C 0373 0376 036F 0356
       642       2135      3CCC6       844         22          0  0.6840E 03  0.275CE 03
03C2 CCCC CCCC 0352 C366 C35C C356 C359 C35A 0366 035B 034C 0343 0354 035B 0353 034C 0334 033B 0350 0367 035B 035B 0357 035C
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       666       2135      3CCC6       841         23          0  0.6840E 03  0.275CE 03
04C2 CCCC CCCC 034B 034A 0349 C349 C337 C2AC C1CC 0177 0180 0194 01B1 01D2 01D4 01DB 01F4 020F 021F 0221 0216 0213 0231 024C
C352 C33C 0343 0347 C34E C34B C33C C33A C34D C35C 035A 0349 035F 0374 0373 02F6 0212 0147 0117 0132 0159 0167 0176 018B 01BB
       686       2135      3CCC6       843         24          9  0.6840E 03  0.275CE 03
C5C2 CCCC CCCC 023C 0224 C22D C231 C23E C23E 0224 0218 0215 022F 0229 020C 01F5 01DF 01CF 01C9 019F 016F 0137 00FB 0106 018C
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       7C9       2135      3CCC6       846         25          0  0.6840E 03  0.275CE 03
06C2 CCCC CCCC 0377 C36E C37B C377 C367 C34F C34B 0351 0353 034F 033F 0333 0340 0361 0363 035C 0360 0362 036C 0370 035B 0347
032E 0344 035C C35E C353 0354 034F C357 C357 C344 0334 0337 0340 034A 033E 0331 0336 034A 0360 0356 0349 034B 0348 0356 0348
       735       2135      3CCC6       844         26          0  0.6840E 03  0.275CE 03
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       76C       2135      3CCC6       847         27         37  0.6840E 03  0.275CE 03
08C2 CCCC 00CC 00BE 00C5 00C6 00B7 00B2 CCC3 00E7 00CC 00D9 00C9 00D6 00D7 00D1 00BE 00B0 00BD 00C2 00C8 00BF 00B2 00B4 00CB
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       793       2135      3CCC6       846         28         85  0.6840E 03  0.2750F 03
C9C2 CCCC CCCC C36C C36B C35C C34D 0347 C34E 0351 0346 033E 0336 0349 0367 036F 035B 0353 035F 035C 0367 0353 0343 0349 034D
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       817       2135      3CCC6       845         29          0  0.6840E 03  0.275CE 03
0CC3 CCCC CCCC 0346 C362 C363 C36C C35C C35F C362 0367 034F 033E 033F 0348 0352 0356 0346 0343 034B 0360 0365 0357 035E 0357
0333 0346 0345 033E C32F C329 C343 C34F C352 0347 0353 0355 0360 034F 0336 0332 033F 0346 0342 0341 032E 032F 034C 0357 034A
       849       2135      3CCC6       839         30          C  0.6840F 03  0.275CE 03
01C3 CCCC CCCC C1E6 C1E7 01EF C1E9 01D7 C1C4 01E9 01FF 01FA 01F7 01F4 01FC 0201 01FF 01EB 01DE 01E6 01E3 01E4 01E3 01E1 01E6
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       856       2135      3CCC6       839         31          0  0.6840E 03  0.275CE 03
C2C3 0CCC 000C 0355 C367 038C C37B 0317 C25C C181 0119 010D 0121 0142 015D 018B 01A0 01B3 01C2 01DC 01FB 0207 0204 01FF 01FF
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33.12

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C403 CCCC CCCC C32C C327 C32F C32E C328 C316 C31A 0330 033E 0333 032B 0338 0336 033F 0336 031B 0314 0323 0324 0323 0319 030F
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      11C3      2135       3CCC6        829          36          3  0.6840E 03  0.2730E 03
C7C3 CCCC CCCC C333 C32F C338 C33E C337 C336 C327 C337 C349 C34C 033E 0337 033F 034A 0354 0347 033A 0333 033F 033E 033F 0334
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C8C3 CCCC CCCC C377 C38C C38B C385 C37E C35E C34C C34F 0348 033F 032F 031E 0323 0339 0346 0339 0332 0337 033F 033F 032F 0322
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      1219      2135       3CCC6        817          38          0  0.6840E 03  0.2730E 03
C9C3 CCCC CCCC C322 C31A C330 C342 C33E C337 C33F C344 034C 0344 0333 032F 0336 033F 0344 0337 0323 0324 033F 034C 0346 033F
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      1248      2135       3CCC6        818          39          0  0.6840E 03  0.2730E 03
00C4 CCCC CCCC C32A C326 C337 C33F 0346 C334 C32A C326 034B 0353 0346 034C 0349 0356 0354 0347 032C 032C 0332 0336 033B 0334
01EC C1DF 01D7 01EB C1DF C1E7 C1E7 01E2 C1E6 01F7 01EB 01E9 01EB 01F7 01EE 01F4 01F2 01F4 01EF 01F7 01F7 01FF 01F9 01F5 01FF
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01C4 CCCC CCCC 01F7 C1F6 C1FC C1EB 01FC C1F2 01F6 01F6 01F3 01F5 01EE 01F1 01F3 01EE 01F6 01F3 01F3 01F0 01EB 01EA 01EB 01EF
03FF 03FF 03FF 03FF 03FF 03FF 03FF 03FF 03FF 03FF 03FF 03FF 03FF 03FF 03FF 03FF 03FF 03FF 03FF 03FF 03FF 03FF 03FF 03FF
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            9CC   C.1344CCE-C2

.4110E C2C.9779E C2C.4110E C2C.3879E C9C.2115E 03C.1058E 03C.2055E 02C.7666E 01C.2996E 01C.4671E 00C.2335E 00
            2135   C.2E6944E C1   C.2E68CCE-C1   C.12C960E 01   0.684000E 03   0.273000E 03
            1265   C.378C54E CC   C.323C59E CC   C.506521E C0   0.119331E 00   0.924136E-01
              2C   C.371781E CC   C.2648C9E CC   C.218623E 00   0.754710E-01   0.230828E 03
C.2355653 C.0871246 C.C289C76 C.C215483 C.C1C4C44 C.0219500 0.0127799 0.0147071 0.1028796 0.1159216
C.0875671 0.0140492 C.CC99619 C.C117202 C.CC6C9C1 0.0067189 0.0085762 0.0058747 0.0057641 0.0155688
C.0342816 C.CC73C11 C.CC65035 C.C1CC725 C.CC3C27E C.0       0.0       0.0       0.0126693 0.0055894
C.0251814 C.0       C.CC9C595 C.C       C.C       0.0       0.0093564 0.0       0.0       0.0
C.0       C.CC54962 C.C       C.CC524CC C.C       0.0057349 C.C       0.0       0.0       0.0059096
C.CC63113 C.C       C.C       C.C       C.C       0.0       0.0       0.0       0.0       0.0
C.CC77553 C.C       C.C       C.C       C.C       0.0       0.0       0.0       0.0       0.0
C.C       C.C       C.C       C.C       C.C       0.0       0.0       0.0       0.0       0.0
C.C       C.C       C.C       C.C       C.C       0.0       0.0       0.0       0.0       0.0
C.C       C.C       C.C1243C6 C.C       C.C       0.0       0.0       0.0       0.0       0.0
C.CCC7336 C.0C2254C C.CC31324 C.CCC6172 C.CCC3C28 C.0004134 0.0010014 0.0024104 0.0040756 0.0001747
C.CC16535 C.01C3287 C.CC57873 C.CCC8326 C.CCC4250 C.0002154 0.0005007 0.0018922 0.0107188 0.0029810
C.143654 C.C245526 C.CC443C8 C.CC3243C C.CC2C665 C.0009025 C.C011004 0.0015254 0.0262468 0.0168497
C.C523714 C.C246457 C.CC6C319 C.CC54264 C.CC13C42 0.0076621 0.0026550 0.0043434 0.0322147 0.0311317
0.1429603 C.C216705 C.CC82618 C.CC8864E C.CC63C55 C.0102589 0.0062298 0.0045356 0.0245409 0.0558881
C.C822979 C.C1C8644 C.CC91817 C.CC7435C C.CC14847 0.0071265 0.0027831 0.0014323 0.0082909 0.0244652
C.C50C658 C.CC68179 C.CC20436 C.CC68295 C.CC76330 C.0020902 0.0070857 0.0044424 0.0078484 0.0055894
C.C425434 C.CC73C11 C.C1C5733 C.C1CC725 C.C       0.0       0.0093564 0.0       0.0073768 0.0
C.C14C666 C.CC54962 C.CC49897 C.CC524CC C.C       0.0057349 C.C       0.0       0.0       0.0059096
C.C       0.0       C.C1243C6 C.C       C.C       C.0       0.0       0.0       0.0       0.0
C.C151554 C.C       C.C       C.0       C.C       C.C       0.0       0.0       0.0       0.0
C.C353354 C.0       C.C       C.C       C.C       0.0       0.0       0.0       0.0       0.0
C.C952674 C.0       C.0       C.C       C.C       C.0       0.0       0.0       0.0       0.0
0.1369633 C.03C8232 C.C       C.C       C.C       0.0       0.0       0.0       0.0       0.0
C.2CC3854 C.CE67694 C.CC23813 C.C       C.C       0.0       0.0       0.0       0.0       0.0
0.1C64371 C.C185847 C.C265263 C.CC3813E C.C       0.0       0.0       0.0       0.0       0.0
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0.C585273	C.C114350	C.C118309	C.CC59910	0.CC82618	0.0	0.0	0.0	0.0	0.0
0.C425434	C.C178744	C.C100725	C.C	C.C	0.0129546	0.0037787	0.0	0.0	0.0
0.C140666	C.CC54962	C.CC49897	C.CC52400	C.C	0.0057349	0.0	0.0	0.0	0.0059096
C.C	0.0	C.C	C.C	C.C	0.0	0.0124306	0.0	0.0	0.0
0.2972332	C.3589552	C.1022742	C.CE56170	C.C401737	0.0392713	0.0292511	0.0143461	0.0107363	0.0116446
0.CC63113	C.0	C.CC77553	C.C	C.C	0.0	0.0	0.0	0.0	0.0124306
0.CC65693	0.CC81861	C.C147769	C.C205585	C.C367502	0.0585372	0.0701235	0.0976629	0.1580924	0.1314438
0.1021402	0.0532215	C.C571573	C.C432887	C.C486160	0.0386075	0.0273705	0.0140666	0.0	0.0124306
0.1838326	C.2172292	C.C689358	0.C450353	C.C297460	0.0371170	0.0201509	0.0284302	0.0098804	0.0096417
0.C215075	0.C128564	C.C199297	C.C107829	C.C123432	0.0082385	0.0320342	0.0892788	0.1362297	0.0067597
0.C518707	C.C546246	C.C171583	0.CC94263	C.CC33536	C.0048267	0.0037728	0.0080813	0.0667874	0.0482376
0.1724501	C.C325CCC	C.C104859	C.C108236	C.CC70508	0.0158308	0.0077145	0.0066258	0.0322147	0.0624731
C.C7CC653	0.CC72313	C.CC73070	C.CC42794	C.CC14847	0.0059213	0.0027831	0.0014323	0.0070857	0.0169661
C.C3C6892	0.CC43842	C.CC39184	C.CCE2473	C.CC46C54	0.0020902	0.C045647	0.0044424	0.0	0.0038136
0.C164C72	C.CC24337	C.C	C.CC24919	C.C	0.0	0.0025210	0.0	0.0078484	0.0055894
0.CC93797	0.CC35225	C.CC65035	C.CC65326	C.CC30276	0.0	0.0	0.0	0.0	0.0
0.C149225	0.CC37787	C.CC4C698	C.CC35399	C.C	0.0	0.0	0.0	0.0073768	0.0
0.C212106	C.C	C.C	C.C	C.C	0.0	0.0045297	0.0	0.0	0.0
C.C	0.0	C.CC49897	C.CC52400	C.C	0.0	0.0048267	0.0	0.0	0.0
0.C140666	C.CC54962	C.C124306	C.C	C.C	0.0057349	0.0	0.0	0.0	0.0059096

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1265 C.273CCCE C3 C.684CCCE C3 C.1344C0E-C2 0.171754E C6 0.230828E 03

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533	540	568	582	585	605	608	611	617	618
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778	829	857	900	944	985	1015	1084	1332	2135

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	123	482	100	654	62	641	108	310	124	619	394	571	50	628	215	309	156	628	129	328
	312	307	157	494	61	327	179	651	28	572	215	647	21	461	256	296	162	331	38	653
	350	299	900	429	778	531	235	301	944	329	116	344	210	664	396	353	428	433	222	302
	744	291	184	646	261	291	225	301	70	319	85	314	234	305	115	645	152	656	77	389
	166	318	25	366	1015	655	608	425	247	662	399	550	67	668	199	648	134	659	256	543
	31	616	257	304	73	607	27	351	85	649	207	298	146	649	145	652	169	304	162	343
	653	292	466	654	407	294	255	663	55	672	194	658	169	664	123	616	138	422	168	310
	103	665	729	250	78	308	203	422	197	303	130	658	134	295	857	373	267	304	141	318
	56	662	540	425	58	330	61	329	533	287	131	301	164	372	605	351	738	292	209	295
	173	637	166	630	328	403	69	343	35	583	131	291	184	658	83	661	20	384	68	642
	227	635	201	324	65	612	92	631	50	653	96	638	95	653	219	641	65	358	86	318
	52	295	222	550	190	289	112	635	207	638	344	291	196	305	57	611	66	622	99	309
	159	649	383	291	248	649	79	328	112	287	221	647	137	302	89	597	474	287	207	299
	70	601	84	626	26	609	152	293	139	659	84	655	63	648	61	639	129	300	173	646
	985	488	73	633	439	609	459	632	152	300	136	649	43	347	706	275	118	642	79	655
	123	290	193	640	60	631	494	644	41	639	59	312	42	604	56	295	94	293	163	300
	26	294	63	633	726	281	400	291	82	623	114	482	582	408	112	648	121	312	79	635
	77	469	122	640	101	299	145	646	87	647	56	304	150	289	51	641	59	684	129	633
	63	321	46	600	141	293	20	339	30	388	21	621	23	597	101	306	94	655	23	582
	107	333	25	384	31	374	21	483	2135	390	585	377	214	405	299	362	141	649	483	299
	113	657	192	653	450	613	59	668	343	297	155	305	351	364	275	630	246	644	173	298
	81	611	328	654	133	307	21	537	26	608	122	309	618	608	112	307	53	656	86	647
	117	344	136	294	155	303	170	291	241	375	142	293	174	493	77	311	151	430	286	289
	173	561	139	654	64	314	256	289	68	322	128	465	157	296	55	325	36	359	23	580
	388	285	80	302	171	293	274	291	93	615	91	324	369	562	126	656	117	642	203	396
	72	654	153	356	155	480	70	660	148	643	86	378	193	298	116	662	140	305	171	652
	203	656	71	327	23	608	260	293	161	304	76	349	296	291	94	527	44	648	380	450
	41	617	160	512	75	646	56	587	629	523	261	661	111	639	53	659	357	282	175	654
	159	655	177	293	84	329	190	347	230	294	226	648	79	317	101	346	98	636	206	293
	63	366	131	611	153	644	27	625	175	664	195	297	77	311	45	642	73	648	143	314
	60	639	147	303	81	312	80	649	38	645	254	295	194	294	230	309	149	319	152	287
	46	631	145	433	54	643	76	634	120	288	132	308	78	368	76	664	81	641	88	623
	48	637	164	315	300	291	104	326	155	650	261	293	49	379	79	319	109	640	155	306
	387	282	71	656	33	371	187	295	278	506	105	563	472	291	61	629	101	649	177	292
	167	328	66	319	137	447	88	640	106	381	138	407	207	300	210	307	114	655	68	656
	101	612	128	303	28	418	115	313	90	307	115	305	389	414	37	345	262	379	85	325
	61	637	190	290	270	282	130	637	143	379	98	307	50	622	32	624	239	294	77	339
	140	304	61	656	207	479	92	651	61	325	66	321	137	289	275	289	192	307	76	513
	140	275	126	368	147	305	108	304	77	630	72	644	90	297	109	299	52	335	196	293
	130	529	235	343	80	339	164	656	122	665	151	307	37	642	110	649	68	632	58	542
	91	635	74	323	26	527	53	325	45	361	25	606	119	597	82	655	214	292	139	654
	59	644	130	306	112	610	148	300	117	324	76	644	135	291	79	341	79	629	43	639
	135	437	100	648	31	354	29	624	26	392	159	622	89	381	105	307	184	638	33	402
	59	362	32	636	27	623	170	293	140	323	126	492	114	407	61	634	33	603	138	581
	114	321	160	285	146	373	83	301	69	293	56	301	87	605	65	411	148	296	178	301
	179	295	162	296	139	301	79	311	27	374	73	301	356	404	78	638	149	305	114	644
	77	299	68	368	170	289	112	311	107	293	92	299	69	299	93	633	102	309	76	334
	142	347	138	373	90	591	39	363	63	636	74	332	36	599	22	587	96	639	47	341
12	154	284	48	619	98	409	52	389	79	298	45	627	86	488	23	616	59	320	56	313
11	170	310	113	296	61	336	115	308	97	293	43	318	108	655	54	623	81	621	157	297
10	124	316	74	324	53	640	78	621	52	631	58	642	64	332	69	302	52	631	164	292
9	99	295	148	301	189	296	74	350	123	292	70	649	34	371	154	448	127	352	40	622
8	82	647	60	572	144	293	34	406	66	653	29	611	54	296	57	629	55	311	90	311
7	129	539	64	309	87	299	54	336	20	559	56	627	69	311	42	371	193	295	78	634
6	38	634	61	647	39	326	27	630	271	291	155	307	46	659	27	631	59	611	42	300
5	43	333	41	354	126	325	99	660	84	649	37	314	103	298	31	612	31	361	137	305
4	54	323	80	656	80	532	54	322	70	314	32	567	31	462	106	661	105	315	65	318
3																				

	136	293	29	493	24	543	68	463	41	354	107	622	41	632	59	651	71	298	42	343
	54	624	40	559	31	367	35	614	31	341	31	588	39	639	50	345	75	630	32	622
	73	319	87	294	43	427	44	354	44	343	77	608	27	567	133	640	22	389	33	622
	23	579	119	636	24	375	23	620	23	387	25	337	46	364	77	317	78	319	22	548
	22	623	79	644	418	326	510	292	276	484	194	353	134	648	171	638	98	330	158	643
	157	614	223	424	208	343	125	646	126	636	120	306	211	281	258	285	236	365	175	660
	151	323	85	630	155	466	174	302	140	363	247	332	34	332	70	627	322	358	246	435
	64	656	136	635	262	283	68	633	171	301	146	299	115	642	161	308	276	638	141	302
	114	303	149	296	150	502	175	306	113	647	174	294	33	383	99	644	39	607	73	318
	234	649	61	381	385	523	205	311	70	629	75	655	161	315	411	443	89	328	74	396
	259	351	98	638	57	620	23	605	75	307	52	640	196	487	48	609	184	305	649	346
	222	290	125	295	160	297	192	634	293	291	305	304	490	280	108	302	182	288	162	282
	98	310	130	306	150	291	112	645	55	631	36	317	70	336	165	298	102	636	115	289
	191	641	133	297	32	355	76	627	134	292	125	327	148	630	84	639	359	513	147	660
	649	638	75	648	188	295	141	301	124	635	175	289	115	415	140	298	147	543	112	302
	66	642	66	295	98	644	170	303	41	307	46	545	153	293	102	327	62	445	611	289
	259	648	22	615	236	295	86	323	115	503	196	625	85	626	28	386	103	566	54	359
	48	655	77	409	237	331	115	301	80	654	44	616	124	305	40	302	210	298	218	290
	223	644	78	310	50	622	28	297	92	648	196	286	24	615	54	640	42	302	35	358
	57	316	211	286	227	291	85	402	90	285	30	614	200	298	157	651	73	399	217	385
	327	653	225	645	73	656	125	313	87	321	251	288	182	298	44	341	53	328	89	651
	136	298	31	347	124	294	79	644	57	628	172	307	72	326	682	309	74	655	206	650
	241	513	104	313	206	295	108	644	96	432	126	635	87	650	113	650	157	398	155	301
	78	333	54	327	174	527	74	620	129	291	165	299	110	642	63	641	134	417	129	305
	202	525	193	305	189	291	153	648	131	287	175	298	224	289	170	301	166	633	83	345
	117	632	94	302	142	636	80	628	78	304	136	638	136	308	100	611	225	293	140	630
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	111	652	134	646	87	640	40	604	49	600	125	660	146	516	113	637	188	317	92	315
	133	302	132	646	121	302	38	337	77	460	24	304	246	564	49	333	48	640	70	625
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	39	613	222	508	54	342	38	647	139	303	46	335	145	526	568	289	150	662	369	293
	33	329	23	569	134	633	104	429	422	290	95	323	32	624	151	488	169	461	31	641
	61	635	20	343	174	382	195	306	147	284	96	471	35	319	266	402	24	321	90	641
	277	300	220	295	239	295	94	639	192	296	277	285	44	332	80	631	165	299	58	624
	255	442	49	585	68	618	221	300	208	645	196	283	55	622	161	316	142	533	126	546
	58	427	136	477	109	636	65	321	617	286	85	307	188	453	275	305	699	377	116	632
	192	293	40	342	173	292	180	296	200	273	183	404	121	313	129	485	22	619	115	420
	111	395	144	281	82	642	144	458	50	608	107	532	28	343	123	292	26	313	87	314
	103	653	60	321	69	650	94	347	59	294	37	623	137	292	193	291	237	313	82	649
	138	295	25	345	74	421	185	288	165	304	76	581	91	289	40	628	394	278	96	308
	306	280	116	288	82	645	386	280	130	531	209	339	53	346	138	652	167	279	152	644
	155	294	142	436	198	632	53	644	141	296	76	314	101	306	187	304	50	641	101	644
	132	582	39	450	26	598	120	511	31	559	168	338	187	642	139	295	113	643	54	616
	21	365	160	288	94	650	159	489	142	331	181	295	45	338	152	483	80	623	147	296
	53	638	157	645	140	652	112	301	433	552	53	652	87	322	82	506	22	423	52	358
	62	341	111	637	43	335	151	653	112	648	84	492	54	329	32	356	365	282	122	306
	92	324	197	645	67	349	158	362	32	365	131	643	179	352	48	624	91	637	126	293
	82	313	99	634	149	644	92	648	71	446	105	300	126	313	102	290	31	358	85	614
	203	298	282	289	143	306	96	638	115	642	75	322	21	614	158	308	135	302	118	313
	77	303	41	643	84	314	46	640	78	642	176	315	167	651	22	301	21	365	151	648
12	92	308	69	638	32	364	58	364	161	302	176	300	77	652	134	297	57	602	48	655
11	90	313	158	298	46	633	119	310	48	631	161	297	132	313	37	371	112	647	37	625
10	133	647	30	656	137	319	38	368	125	348	114	307	129	500	98	305	55	337	53	349
9	94	625	55	609	28	611	82	373	116	329	118	321	131	301	81	330	264	327	75	342
8	46	365	151	303	109	297	92	638	124	310	40	349	56	645	104	336	73	312	148	340
7	34	351	79	618	76	339	121	589	82	363	70	330	89	657	64	418	166	648	133	317
6	103	309	23	572	169	618	35	635	152	292	49	333	98	394	29	341	165	591	120	337
5	33	340	92	620	34	624	162	488	65	329	92	662	47	362	53	319	48	298	92	293
4	41	348	65	408	91	309	54	325	171	580	44	346	156	303	34	466	95	309	41	352
3																				

33.16

```
 30 618  54 637  37 322  23 574  63 629  62 632  41 353  25 379 119 433  38 645
 93 301  45 633  28 544  45 620  43 328 144 644  99 650  49 629  30 350  48 336
 25 361  33 377  47 322  39 330  42 646  64 307  35 347  26 400  30 398  36 561
 44 377 120 324  33 394 101 332  39 353  33 362  23 389  35 387  21 509  34 376
 50 357  54 338  88 340  33 404  22 355  21 586  39 346  22 565  20 315  51 520
 45 355  31 337  22 597  41 657  46 352  26 367  70 314  28 612  66 665  23 389
 24 610  59 652  55 322  33 371  62 330

 STOP     C
EXECUTION TERMINATED
```

$SICKLEF

JOB NO. 027546 UNIVERSITY OF MICHIGAN TERMINAL SYSTEM (MODEL AN120) 13:11.10 03-11-70

```
USER: OORL
CHARGE NBR: OORL

**** ON AT  13:11.14
**** OFF AT 13:18.15
**** ELAPSED TIME        420.73    SEC.
**** CPU TIME USED        89.68    SEC.
**** STORAGE USED      3806.923    PAGE-SEC.
**** CARDS READ          281
**** LINES PRINTED       700
**** PAGES PRINTED        19
**** CARDS PUNCHED       128
**** DRUM READS            8
**** APPROX. COST OF THIS RUN  $10.91

**** FILE STORAGE          1 PG-HR.      .00

**LAST SIGNON WAS: 17:54.23   03-02-70
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Experiment 33
SS = 174
Phase Fraction = 5%
Flow = 70 cc/min

33.19