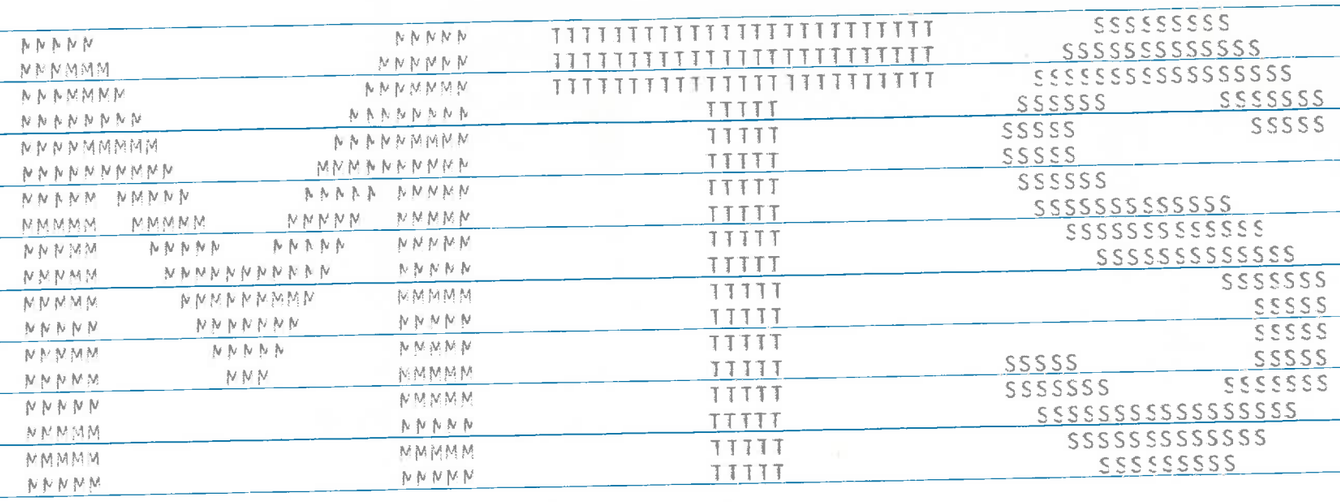
--------020951----------020951----------020951----------020951----------020951----------020951------

JOB NO. 020951 UNIVERSITY OF MICHIGAN TERMINAL SYSTEM (MODEL AN12C) 15:11.20 03-02-70

$SIGNON CORL T=4.0M C=60C P=15C



28.1

--------020951----------020951----------020951----------020951----------020951----------020951------

```
$SIGNON OOPL   T=4.CM   C=ECC   P=15C
**LAST SIGNON WAS: 15:46.12   02-2C-7C
 USER "OORL" SIGNED CN AT  15:11.32 CN 03-02-7C
$RUN *FORTRAN SPUNCH=-CPJ          PAR=SOURCE,MAP
EXECUTION BEGINS
```

```
0001                INTEGER*2  A(15C5C),NBR,LEN
0002                DIMENSION KONT(6000),ZMCLE(6000),DIST(32,32),MDST(32,32),LMCL(4C)
0003                DIMENSION CTF(20),KCNC(10000),CDIST(32,32),FCONC(2),CLDST(32,32)
0004                DIMENSION VMAR(3C),VLMAR(3C), CMAR(3C),CPTM(20)
0005                DIMENSION CSET(32,32),CPTA(20),OPTB(2C)
0006          572   FORMAT(6I1C,2E12.4)
0007          571   FORMAT(25(1X,Z4))
0008            52 FORMAT(1CI8/1CI8/1CI8/1CI8)
0009           17   FORMAT (3I1C,2F1C.4)
0010          717   FORMAT(2CI4)
0011          83    FORMAT(1I1C)
0012          7     FORMAT (20A4)
0013          82    FORMAT(2F15.6)
0014          87    FORMAT (1I15,5E14.6)
0015          5     FORMAT  (8I5,5F8.4)
0016            88 FORMAT(11E1C.4)
0017           100 FORMAT(1I15,1E14.6)
0018                DATA FSF,LEN,MCC/'FSF',3,128/
0019                READ(5,5) NBR,NSSB,NLEV,NCS,NDIM,NCC,NCRC,NMA,BB,FRT,FAC,FREQ,SCR
0020                READ(5,17) NSPCA,NSTCA,NEIF,CPC,CRM
0021                NSSBS=NSSB
0022                LT=C
0023                KCUNT=0
0024               JK=0
0025                MCLES=C
0026                MKONT=0
0027                NCC=0
0028                CONCM=0.0
0029                CONCL=10000.0
0030                ZMMCL=0.0
0031                DC 74 I=1,4C
0032          74    LMCL(I)=0
0033                BASE=0.0
0034                NOR=C
0035                L=0
0036                NKSC=SCR*FREG/(2.0*FRT*FAC*NCS)
0037                SCEK=FRT*FAC*NCS*2.C/FREG
0038                  CALL PCSTAP
0039                IF(NCC.NE.0) GC TC 73
0040           28   CALL CCRCT(A,NBR,822)
0041                INBR=NBR/2
0042          22    NCC=NCC+1
0043                DO 23 I=4,INBR,25
0044                IF(I.GT.1004) GC TC 24
0045                BASE=BASE+A(I)/4C.C
0046                GC TC 23
0047          24    IBASE=BASE
0048                KLEV=A(I)-IBASE
0049                IF (KLEV.LE.NLEV) GC TC 26
0050                LT=LT+1
0051                FCCN=FCCN+KLEV
0052                GC TC 23
0053          26    BASE=(BASE*3C.C+A(I))/31.0
0054          23    CONTINUE
0055                FCONC(NCC)=FCCN/LT
```

28.3

```
0056                IF (NCC.EQ.1) GO TO 2F
0057                WRITE (6,82) (FCONC(I),I=1,2)
0058          73    ITMZ=0
0059                READ(5,83) ISREC
0060          71    IF(ITMZ.GE.ISREC)  GO TO 70
0061                CALL WRITE(ESF,LEN,NCC,0,2)
0062                ITMZ=ITMZ+1
0063                GO TO 71
0064          7C    CALL CORCT(A,NER,SEC)
0065                INER=NER/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 3C
0072                DO 2C I=4,NSSB
0073          2C    BASE=BASE+A(I)/(NSSB+0.0001)
0074                IBASE=BASE
0075          3C    DO 6C    I=NSSB,INBR,NCS
0076                IF(A(I).EQ.0)  GO TO 5C
0077                IF(A(I).EQ.1023)   GO TO 5C
0078               KLEV1=IBASE-A(I)
0079                IF (KLEV1.LE.NLEV)     GO TO 4C
0080                KOUNT=KOUNT+1
0081                MOLES=MOLES+KLEV1
0082                GO TO 6C
0083          4C    IF(KOUNT .LT. NKSE)     GO TO 51
0084                L=L+1
0085                KONT(L)=KOUNT
0086                ZMOLE(L)=MOLES
0087                KONC(L)=MOLES/KOUNT
0088                IF(KOUNT.GT.MKONT)  MKONT=KOUNT
0089                IF(KONC(L).GT.CONCM) CONCM=KONC(L)
0090                IF(KONC(L).LT.CONCL)  CONCL=KONC(L)
0091          51    IF(KLEV1.GT.50)  GO TO 5C
0092                BASE=(BB*BASE+A(I))/(BB+1.0)
0093                IBASE=BASE
0094          5C    KOUNT=0
0095                MOLES=0
0096          6C    CONTINUE
0097                WRITE(6,572)  L,MKONT,NER,IBASE,NCR,KOUNT,CONCM,CONCL
0098                GO TO 7C
0099          8C    NCC=NCC+1
0100                IF(NCC.GE.NCFG) 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                SIG1=0.0
```

```
0111            C2=0.0
0112            S3=0.0
0113            S2C1=0.0
0114            S1C2=0.0
0115            C3=0.0
0116            DO 78 I=1,L
0117            SOAD=KONT(I)*SOEK
0118            SOAD2=SOAD*SOAD
0119            SOAD3=SOAD2*SOAD
0120            CONCZ=(KONC(I)-CONCL)/(CONCM-CONCL)
0121            COAD=SOAD*CONCZ
0122            COAD2=COAD*CONCZ
0123            STOT=STOT+SOAD
0124            S1=S1+SOAD2
0125            C1=C1+COAD
0126            S2=S2+SOAD3
0127            S1C1=S1C1+SOAD*COAD
0128            C2=C2+COAD2
0129            S3=S3+SOAD3*SOAD
0130            S2C1=S2C1+SOAD2*COAD
0131            S1C2=S1C2+SOAD*COAD2
0132            C3=C3+COAD2*CONCZ
0133            ZMOLE(I)=ZMOLE(I)-KONT(I)*CONCL
0134            IF (ZMOLE(I).GT.ZMMOL) ZMMOL=ZMOLE(I)
0135            IF(KONT(I).LE. LMOL(1)) GO TO 78
0136            DO 72 I1=2,40
0137            IF (KONT(I).LT.LMOL(I1)) GO TO 77
0138        72  LMOL(I1-1)=LMOL(I1)
0139            I1=I1+1
0140        77  LMOL(I1-1)=KONT(I)
0141        78  CONTINUE
0142            SUM=0.0
0143            DO 53 IE=0,38
0144            I=40-IE
0145            SUM=SUM+LMOL(I)*SOEK/STOT
0146            IF(SUM.GT.DPC.AND.LMOL(I).NE.LMOL(I-1)) GO TO 54
0147        53  CONTINUE
0148        54  LMC=LMOL(I-1)
0149            IF(DRM.GT.0.0) LMC=DRM/SOEK
0150            DO 21 I=1,NMA
0151            VMAR(I)=0.0
0152            VLMAR(I)=0.0
0153        21  CMAR(I)=0.0
0154            KOB=NDIP
0155            IF (NDIM.GT.NDIP) KOB=NDIM
0156            DO 85 I=1,KOB
0157            DO 85 J=1,KOB
0158            CDIST(I,J)=0.0
0159            CSOT(I,J)=0.0
0160            CLDST(I,J)=0.0
0161        85  MDST(I,J)=0
0162            DCM=(CONCM-CONCL)/(NDIP-0.001)
0163            DVM=(LMC-NKSD)/(NDIP-1.001)
0164            DC=(CONCM-CONCL)/(NDIM-0.0001)
0165            DM=ZMMOL/(NDIM-0.001)
```

```
0166                EV=(MKCNT-NKSC)/(NCIM-0.001)
0167                DVV=(MKCNT-NKSC)/(NMA-0.001)
0168                ECC=(CCNCM-CCNCL)/(NMA-0.001)
0169                BLCG=ALCG(MKCNT+0.0001)
0170                SLCG=ALCG(NKSC+0.0001)
0171                CLV=(BLCG-SLCG)/(NCIM-0.0001)
0172                CLVV=(BLCG-SLCG)/(NMA-0.001)
0173                KTOT=0
0174                DO 9C  I=1,L,1
0175                KCZT=KCNT(I)
0176                KTCT=KTCT+KCZT
0177                CLCG=ALCG(KCZT+0.0001)-SLCG
0178                CCNT=KCNC(I)-CCNCL
0179                KCLT=KCZT-NKSC
0180                JKK=CLCG/DLV
0181                JMM=ZMCLE(I)/DM
0182                JCC=CCNT/DC
0183                JNN=KCLT/DV
0184                JVV=KCLT/DVV
0185                JLV=CLCG/DLVV
0186                JCLC=CCNT/DCC
0187                JKKK=KCLT/DVM
0188                JCCC=CCNT/DCM
0189                IF(JKKK.GE.NCIP)  JKKK=NCIP-1
0190                VMAR(JVV+1)=VMAR(JVV+1)+KCNT(I)
0191                VLMAR(JLV+1)=VLMAR(JLV+1)+KCNT(I)
0192                CMAR(JCLC+1)=CMAR(JCLC+1)+KCNT(I)
0193                CDIST(JKK+1,JCC+1)=CDIST(JKK+1,JCC+1)+KCNT(I)
0194                CSDT(JKKK+1,JCCC+1)=CSDT(JKKK+1,JCCC+1)+KCZT
0195                CLDST(JNN+1,JCC+1)=CLDST(JNN+1,JCC+1)+KCNT(I)
0196          90    MDST(JKK+1,JMM+1)=MDST(JKK+1,JMM+1)+KCNT(I)
0197                TVCL=KTCT
0198                DO 25 I=1,NMA
0199                VMAR(I)=VMAR(I)/TVCL
0200                VLMAR(I)=VLMAR(I)/TVCL
0201          25    CMAR(I)=CMAR(I)/TVCL
0202                KGB=NCIP
0203                IF (NCIM.GT.NCIP)  KGE=NCIM
0204                DO 95 I=1,KGB
0205                DO 95 J=1,KGE
0206                CSDT(I,J)=CSDT(I,J)/TVCL
0207                CDIST(I,J)=CDIST(I,J)/TVCL
0208                CLDST(I,J)=CLDST(I,J)/TVCL
0209          95    DIST(I,J)=MDST(I,J)/TVCL
0210                ACS=S1/STOT
0211                SMV=S2/STOT
0212                TMV=S3/STOT
0213                CVC=S1C1/STOT
0214                SMC=C2/STOT
0215                TMC=C3/STOT
0216                ACON=C1/STOT
0217                SMVAC=S2C1/STOT
0218                SMCAV=S1C2/STOT
0219                CMAX=MKCNT*SCEK
0220                DRM=LMC*SCEK
```

```
0221                CMIN=(NKSC  )*SCEK
0222               WRITE(6,1CC) LMC,SCEK
0223               WRITE(6,88) CCM,CVM,DC,DM,DV,CVV,DCC,BLCG,SLCG,CLV,CLVV
0224                WRITE(6,87) NKCNT,DMAX,CMIN,CRM,CCNCM,CCNCL
0225                WRITE(6,87) L,ACS,SMV,TMV,CVC,SMVAC
0226                WRITE(6,87) NKSD,ACCN,SMC,TMC,SMCAV,STCT
0227                READ (5,7)  (CTP(I),I=1,20)
0228                WRITE (6,CTP) ((CLDST(I,J),J=1,NDIM),I=1,NDIM)
0229                WRITE (6,CTP) ((CDIST(I,J),J=1,NDIM),I=1,NDIM)
0230                WRITE (6,CTP) ((CIST(I,J),J=1,NDIM),I=1,NDIM)
0231                READ(5,7) (CPTM(I),I=1,20)
0232                WRITE(6,CPTM) (VMAR(I),I=1,NMA),(VLMAR(I),I=1,NMA),(CMAR(I),
                   2 I=1,NMA)
0233                READ (5,7) (CPTA(I),I=1,20)
0234                WRITE(6,CPTA)  ((CSDT(I,J),J=1,NDIP),I=1,NDIP)
0235                IF (NSPCA.LT.1)  GC TC 18
0236                WRITE(4,717)  (KCNT(I),KCNC(I),I=1,L)
0237          18    IF (NSTCA.LT.1)  GC TC 19
0238                READ (5,7)  (CPTE(I),I=1,20)
0239                WRITE(6,87) L,DMAX,CMIN,ACS, SMV,CVC
0240                WRITE(6,87) L,CCNCL,CCNCM,SCEK,TVCL,STCT
0241               WRITE(6,52) (LMCL(I),I=1,40)
0242                WRITE(6,CPTB) (KCNT(I),KCNC(I),I=1,L)
0243          19    CONTINUE
0244                END
```

SUBPROGRAMS CALLED

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

SCALAR MAP

SYMBOL	LOCATION	SYMBOL	LOCATION	SYMBOL	LOCATION	SYMBOL	LOCATION	SYMBOL	LOCATION
FSF	28C	MOD	29C	NSSB	294	NLEV	298	NOS	29C
NDIM	2A0	NCC	2A4	NORG	2A8	NMA	2AC	BB	2B0
FRT	2B4	FAC	2B8	FREC	2BC	SCR	2C0	NSPDA	2C4
NSTCA	2C8	NDIP	2CC	DPC	2D0	DRM	2D4	NSSBS	2D8
LT	2DC	KCUNT	2E0	JK	2E4	MOLES	2E8	MKCNT	2EC
NOG	2F0	CONCM	2F4	CONCL	2F8	ZMMCL	2FC	I	300
BASE	304	NOR	308	L	30C	NKSD	310	SCEK	314
INBR	318	IBASE	31C	KLEV	320	FCON	324	ITMZ	328
ISREC	32C	IPRT	330	KLEV1	334	STCT	338	S1	33C
C1	340	S2	344	S1C1	348	C2	34C	S3	350
S2C1	354	S1C2	358	C3	35C	SCAD	360	SCAD2	364
SCAD3	368	CONCZ	36C	CCAD	370	CCAC2	374	I1	378
SLM	37C	IE	380	LMO	384	KGB	388	J	38C
DCM	390	DVM	394	CC	398	DM	39C	DV	3AC
DVV	3A4	DCC	3A8	BLCG	3AC	SLCG	3B0	DLV	3B4
DLVV	3B8	KTCT	3BC	KCZT	3C0	CLCG	3C4	CCNT	3C8
KCLT	3CC	JKK	3D0	JNN	3D4	JCC	3D8	JNN	3DC
JVV	3E0	JLV	3E4	JCLC	3E8	JKKK	3EC	JCCC	3F0
TVCL	3F4	ACS	3F8	SMV	3FC	TMV	400	CVC	404
SMC	408	TMC	40C	ACCN	410	SMVAC	414	SMCAV	418
DMAX	41C	DMIN	420	LEN	424	NBR	426		

ARRAY MAP

SYMBOL	LOCATION	SYMBOL	LOCATION	SYMBOL	LOCATION	SYMBOL	LOCATION	SYMBOL	LOCATION
A	428	KCNT	798C	ZMCLE	C77C	DIST	1353C	MDST	1453C
LMCL	1553C	CTP	155DC	KCNC	1562C	CDIST	1F26C	FCONC	2C26C
CLDST	20274	VMAR	21274	VLMAR	212EC	CMAR	21364	OPTM	213DC
CSDT	2142C	CPTA	2242C	CPTE	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	22506	7	2250C	82	22512	87	22519	5	22524
88	2252F	100	22536						

TOTAL MEMORY REQUIREMENTS 0242C2 BYTES
EXECUTION TERMINATED

```
$RUN *STATUS
EXECUTION BEGINS

STATUS OF CORL AT LAST SIGNOFF          USED      MAXIMUM     REMAINING

CUMULATIVE CHARGE          ($)          112.47      300.00       187.53
CURRENT DISK SPACE         (PAGES)           0          20           20
CUMULATIVE DISK STORAGE    (PG-DA)        0.73
CUMULATIVE MEMORY--CPU     (PG-HR)       10.95
CUMULATIVE MEMORY--WAIT    (PG-HR)       57.15
CUMULATIVE CPU TIME        (HR)           0.26
CUMULATIVE LINES PRINTED                 6548
CUMULATIVE PAGES PRINTED                  185
CUMULATIVE CARDS PUNCHED                 1360
CUMULATIVE CARDS READ                    2820
BATCH SESSIONS                             10
EXPIRATION DATE AND TIME:  05-05-70  24:00.00

EXECUTION TERMINATED
```

```
$RUN *MOUNT;PAR=G050 CN 7TP,PNAME=*DT*,MODE=2DF,SIZE=3D1CC,'DDATA',RING CLT
EXECUTION BEGINS
G050 CN 7TP,PNAME=*DT*,MODE=2DF,SIZE=3D1CC,'DDATA',RING CLT

*DT*: MOUNTED ON TDD1
EXECUTION TERMINATED
```

28.10

```
$FLN  -CEJ+*SCURCE* *SINK*; 2=*CT* 5=*SCURCE* 6=*SINK* 4=*PUNCH* 7=STERG

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

 ENTRY = 5C3CCC  SIZE = 027AC0

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

GETSPACE 20D1FA *        FREESPAC 20D4EE *        ERROR#    214B56 *
MTS#     214B72 *        CANREPLY 2171C2 *        CDINFC    21721E *
SETIOERR 217444 *        PCINT    217778 *        SCARDS#   217D4C *
SPRINT#  217D5E *        SPRINT   217D5E *        SPUNCH#   217D70 *
SERCOM#  217D82 *        READ#    217ECC *        READ      217ECC *
WRITE#   217E1C *        WRITE    217E1C *        LCSYMBOL  2189C8 *
CORCT    5000D8  5C00D8  PCSTAP   5C024C  5CCCDE  REWIND#   5CC31C *500310
IHCSLOG  5004A0 *5004A0  ALOG     5004BC *        MAIN      503CCC  503CCC
FIOCS#   5272CE *5272CE  IBCOM#   528CC0 *528CC0  ADCOM#    52AC00 *52A0CC
FCVZO    52A154 *        FCVAO    52A1FA *        FCVLO     52A2E2 *
FCVIC    52A5A8 *        FCVEC    52AA5A *        FCVCO     52ACAC *

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

EXECUTION BEGINS
01C0 0000 0000 037C 0380 037C 036F 0377 037C 036F C377 C383 C38C C379 C380 0379 0369 035F 0356 035C 036D 0367 036F C37E 0374
0380 037C C379 0371 036D 0378 0384 036D 0353 0360 036F 0371 036E 0360 0358 036A 037F 0377 0367 036D 037B 0377 036E 035F 034E
         4        48C      30CCC6       878         1           C   C.4870E C3   0.274CE C3
02C0 0000 0000 0371 0370 0372 0387 037C 0369 036A 035B 0367 037F 037C 035C 0363 037B 0380 0387 037F 036B 037B 038C 037F 036C
0367 036D 0379 036F 0362 035F 0363 0380 0387 0378 036F 0379 0382 037E 0378 0360 0358 0377 0377 0366 036C 0362 036A 038C 0388
         5        48C      30CCC6       878         2           C   C.489CE C3   0.274CE C3
03C0 0CC0 C000 037C 0363 035D 0353 0372 038C 0381 0377 037C 0374 037A C377 C362 0358 C36C 0371 0363 036E 0357 0345 C377 038C
0377 037E 0377 C377 C374 035B C36E C37F 0376 C366 035E C360 036C 0387 0385 0372 0370 0373 C382 0380 035C C35B 036F C36F 0371
         5        48C      30006       878         3           C   C.489CE C3   C.2740E 03
04C0 CCCC CC0C C384 0385 0373 0364 036B 0377 C37B 0370 C36B C35D C371 C391 0387 037E C37F C38C 0382 037F 0373 C363 C36E 0384
0371 0377 036E 0354 034E 0364 0371 0367 035E C35A 0360 037B 0387 0374 0375 0379 0374 0377 036F 0357 035B 036B 036A C36F 0361
        11        581      30C06       878         4           C   C.644CE C3   C.274CE C3
05C0 CCCC CCCC C376 C363 025C 036C C379 037E C36C 035B 0360 0377 0383 C377 036C 0371 C375 C377 0377 036C C363 0378 0373 036F
036B 0364 0352 036C C37E C380 0375 C36C C377 C377 C37C C36B 035E 0367 0371 0371 036C 0367 035F 036B 038C 037F 0377 C376 0377
        27        861      30006       874         5           0   C.644CE C3   C.274CE C3
06C0 CCCC 0000 025B C36D C387 037E 0371 0376 C377 0380 C382 036A C355 0362 036E 0371 036F C364 035F 0367 C387 037E 0372 C373
0367 0350 034F 0363 036C 0369 036B 0356 0363 C376 C37F 036B 036E C36F C377 0377 036D 0356 0356 036B 0369 036B 035A 0359 035C
        29        861      30C06       877         6           C   C.644CE C3   C.274CE C3
07CC 0000 0000 0365 C367 C368 036C C25C 035E C377 C389 C36C 036B 035F 0377 0379 0371 035C C357 0367 0366 036C C35F C35A C35E
017B 0169 C164 C171 017A 0175 0173 0164 C17E C19C C19F C186 C17E C185 C187 0181 0179 C16F C169 0189 0178 017A 0167 0157 0177
        33        1234     30C006       874         7          61   0.6440E 03   0.274CE C3
08C0 0000 0000 0161 0176 C171 C169 C15E C15C C16C C191 0184 C18C C16E C16F 016F 017A 015B C15C 0162 016A 0168 015C C157 C154
0368 0357 035C 036C 036A 0362 034F 0356 0366 C385 0376 036D 036F C36F C376 0367 0353 034B 0357 0366 0361 035E 0349 034C 0362
        69        1234     30CC06       869         8           0   C.65C0E C3   C.274CE 03
09C0 0000 0000 C2E9 C1EF C17B 015F C151 C14F C165 C17C C18E C171 0177 0169 0169 017B 015A C14B 0158 0163 C176 C161 C154 C154
C350 036C C367 C36C C36E C35C 0359 035C C383 C377 C36D C36A C36F C375 C372 C36B 034F C35B C367 0374 036C C366 C356 C367 0380
12      86        1234     30CC06       875         9           C   C.6500E C3   0.2740E 03
11 00C1 CCCC 0000 036E 036C C36E 0364 035F 0362 C382 C3E7 C37D C36F C372 C377 C37E 036F 0357 0353 0367 036E 0367 0365 C359 C360
10 034F 034C 035C C369 0363 C35C 034F 0358 0377 C374 036B 0366 C367 0370 0374 0363 034D C34F C360 0367 036C C357 0347 0360 0374
 9      87        1234     30CC06       872        10           C   C.6500E C3   C.274CE 03
 8 01C1 0000 0000 0367 0367 035C 0357 034F C36E C37F C36F C367 C36C C37C C374 C36F 0353 034F C35F 0365 0370 0360 0357 C359 0372
 7 C147 C15B C166 C177 017E C176 0189 C1A0 01AE C186 C18F 018C C18D 0179 0167 014D 0147 014C C14E 014F 0147 0143 015C C177 016E
 6      115       2631     30CCC6       862        11         176   C.65CCE C3   0.2740E C3
 5 02C1 0CC0 0000 0349 0346 C330 0340 C361 035C 030F 02D1 02DB 0327 C34F 0349 0345 0340 C357 C35E 0357 0346 0343 0346 C326 C232
 4 0371 036C 0367 0353 C357 C376 037F 0377 036C 0371 0376 0376 036E 035B 035C 036B 0374 C375 0364 0353 0359 0376 0381 C379 C370
 3
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       181        2631       30006         863          12           C  C.65CCE C3  C.274CE C3
C3C1 CCCC C000 C14C C13F C153 0177 0167 C157 C14F C15B 0161 0169 0141 C13F C14F C15F C15B C147 C12B C13B C159 C168 C15E 0157
0353 0352 0375 037E 036F 036B 0367 C3EF C37E C36F 0353 0357 0367 0373 C36F 0360 0354 0357 0373 0378 036F 036F 0376 037B 037D
       264        2631       30006         868          13           C  C.65CCE C3  C.274CE C3
04C1 CCCC CCCC CCEF CCEB CCEC CCE6 CCDB CCF3 CCEF CCE1 CCC4 CCC5 CCDD C0E0 C0E3 C0CF C0CE C0D1 C0F0 C0EB C0E2 C0E7 C0E5 C0EF
0157 0156 C157 C15D C16C C157 013C C139 C146 C153 C155 C147 C14B C142 C16B C171 015C 0156 015B 0160 016A 0154 0142 C141 014C
       38C        2631       30006         864          14          54  C.65CCE C3  C.274CE C3
05C1 CCCC CCCC C197 C183 C197 C2C8 C2CC C32E C346 0359 0357 0351 034E 0343 0367 036E 0366 0360 0362 0371 036D C36F C357 C2F9
0373 036E 035A 0353 035C 036A 0367 0360 0357 C357 0373 0377 036C 0363 036B 0370 0374 0367 0349 034F 0369 035C 028F C1AB 0159
       489        2631       30006         867          15           3  C.65CCE C3  C.274CE C3
06C1 0CC0 C000 034F 0354 0360 0366 C35B 0359 C357 C35E 037C 037C 0369 0369 0369 0372 0377 036C 0357 0359 0369 0361 C3E3 C35B
0137 014A C157 0153 0148 0137 0139 C149 C169 C161 014E 014F 0154 C156 C156 C141 013F C14A C15B 0154 0140 C12F 0133 014B 0166
       52C        2631       30CC6         863          16         144  C.6500E 03  0.274CE C3
07C1 0000 0000 014F C14E C13F C12F C12C C15D C156 014C 0139 0144 C14B C156 C145 0127 013D C143 C14D 0139 0137 012C C143 C15E
035E 034F 0344 0357 0377 036A 0365 0360 0364 0367 0366 0353 0346 0351 C366 C360 C357 034D 0347 035F 0378 036D 036C 035F 0363
       543        2631       30CC6         858          17           C  C.65C0E 03  0.274CE 03
0801 0000 0000 C349 0365 037C 036B 0360 0361 C36A 036A C363 0347 C343 C34B C35B 0354 034F 0340 0341 035A C34C 035C C357 0359
0376 0380 C38F 038F 0385 C379 0373 0387 0340 C399 038E C393 C395 C397 C392 0380 0373 0384 C38F C391 0383 037F 0376 C38D 03A6
       545        2631       30CC6         891          18           C  C.65CCE C3  0.274CE 03
C9C1 0000 0000 0380 0380 037B 036E 037C 039E C39B C38C C385 C3E8 C38F C391 C387 037C C37A C385 038C 0385 0380 0373 0385 03A1
0386 038C 0381 C377 C380 C39F 03A0 0391 C391 C398 0395 0397 038B 0371 037C 0387 038E 0386 C380 0377 0383 03A4 C397 038D 038F
       550        2631       30CC6         9C1          19           C  C.6500E 03  0.274CE 03
0CC2 0000 0000 037F 0370 0389 03A0 C39F C38F 0386 038D 0393 0397 C383 0371 037D 0386 C38B C383 0372 0375 0385 03A0 C397 0386
C36E 0371 C387 C3A2 C38A C386 C383 038C 0394 0384 037B 0376 0397 0346 025C 018F 014E C139 0161 C17B 015A C16B C16F C17E 018F
       583        2631       30CC6         897          20          11  C.65CCE C3  C.274CE 03
C1C2 CCC0 0000 C389 C396 0387 037E 037F 037F C387 037E 036C 036B C37B C37C C377 C36F C364 C374 0387 0395 037F C38C C383 0387
0162 0176 C167 0161 C167 C16F C16C 0153 014B C158 0172 016B 0156 0133 011C 013D 014F 0147 C13B 013E 013A C147 C13B C117 C11F
       603        2631       30CC6         9C2          21         7C7  C.65CCE C3  C.274CE 03
C2C2 CCCC CC00 0146 C14C C14C C14A C14B 012C C136 C141 C147 C13F C13D 012C 0132 C153 C152 C144 0142 014C C152 C156 C142 013B
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       628        2631       30006         899          22         163  C.65CCE C3  C.274CE C3
03C2 CCCC CCCC C16B C177 0175 0159 0156 0163 0170 016F 0166 0153 0166 C176 C194 016E C168 C16B 016C C177 C16C 0156 0152 0166
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       693        2631       30006         8A1          23          5C  C.65CCE C3  C.274CE C3
C4C2 CCCC 0000 C354 C365 C367 C371 C374 036F C369 035F 035B 0376 C390 0389 0377 037A C38C C384 0386 C376 C36E C37B C382 037F
018B 018F 0183 0172 C183 C185 0181 017E C179 C173 0187 01A4 C191 C189 C180 018C 018E 0191 C186 0177 0186 018A 0169 C147 C137
       775        2631       30006         8B9          24          95  C.65CCE C3  C.274CE C3
05C2 0CC0 CCCC C382 0374 0378 C387 C380 0389 C37C 036B 037C 039A 039D 038A 038B 038C 038A 0387 0379 0367 0379 0388 C387 C37B
038B 0377 0371 0360 038C 0389 038E 0380 C32C C23F C1A1 C163 C141 C156 C148 015F 016A 0159 0165 016F 017E 0176 C172 0167 016B
       851        2631       30CC6         894          25          17  C.65C0E 03  0.274CE C3
06C2 0CC0 CCCC C13D 0157 01EF C2EE C35F 0357 C372 C385 C39A 038C 0382 0384 0387 0386 037C 0369 036B C3E3 C38C C387 0377 0367
0125 0127 C129 013A 0140 0141 013D 0146 C16D C167 015C C15E C15C C161 015F C14C C138 C13F C157 0156 014C 0143 013B 0152 0164
       956        2631       30CC6         899          26          29  0.65C0E C3  C.274CE C3
07C2 0000 0000 0382 C3E3 C379 036E C36F C394 C397 C38D 0383 0387 C387 038F 038C 0373 0376 0380 038F 0387 0387 0378 C3E6 C39E
038A 0397 038F C38C 037C 0372 C393 039E 0396 C387 0392 038F C38F C38F C378 0376 0387 0387 C38C 0388 0376 0378 0392 03A4 0391
       982        2631       30CC6         9C8          27           0  0.6500E 03  0.274CE 03
08C2 0CC0 CCC0 0381 C377 C36C C387 C39C C397 C38F C38B C392 C3EE C38A 0374 0367 037C 0387 0386 C37E 037C C36F 0389 C3A1 C394
0379 C377 C379 C367 0353 0363 036C 0372 0365 C357 034F 035E 0380 037E 0374 0371 0374 0376 0373 0363 C353 C363 036F 036C 036E
       983        2631       30CC6         881          28           0  C.6500E 03  0.274CE 03
09C2 0000 0000 0376 C362 0359 0361 C36F C372 C366 C357 C357 C36F C382 C37F C36F 0370 037C 0376 0372 0358 0357 0368 C373 036F
12 C35E C35E C371 036C C36F C363 035C 0365 037F 0384 0377 036F 037D 037F 0387 0380 02FD 01FC C146 C11F 00F9 00F3 00EB C107 012C
11       989        2631       30CC6         877          29           9  C.65C0E C3  0.2740E 03
10 00C3 0000 0000 C394 C399 C391 C389 C364 C367 C38E C34A C23A C18C C155 C140 0137 C12E C113 C119 014A 01E1 02E6 033C 034A C364
9 C166 C15D C150 C14A C14F C176 C16F C166 C164 C169 016F 0170 015C 0149 C15D 015F 0167 0159 C14B C14B 0159 C174 C174 C16C C15B
8       1032        2631       30CC6         867          30         259  C.65CCE C3  C.274CE 03
7 C1C3 CC00 0000 0154 0148 C166 C171 016E 015C C15F C160 0166 C15F C147 C149 C14F 0160 C160 C15E 014F 0142 C160 C171 C15D C157
6 035E 0378 037E C36E C363 C363 0363 C363 034F C346 0353 0353 035B 034F C349 033E 0357 0379 0374 036A 0362 0361 C363 C357 0344
5       1077        2631       30CC6         867          31           C  C.65CCE C3  C.274CE C3
4 C2C3 0CC0 CCC0 C377 036B 0360 0365 C36F 035F C34F 0348 035C C366 C357 0351 034B 034A 0371 C37C 037C 0363 C36F 036B 036E 0360
3 015B C161 015B C164 C15F C151 C141 C153 C15F C163 C157 C145 C143 0157 C179 016B 0167 C15F C15E 0163 0155 0146 C137 C151 C157
                                                                                                                          28.12
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      1128       2631      3CCC6        859          32          1CC   C.65CCE C3   C.274CE C3
 03C3 CC0C CC00 0143 0113 C117 CCF3 00F1 0122 C201 C2FF C326 C32E C337 C35A 0365 0358 0350 0349 034F 0356 C347 C337 C33F C34F
 016E 0163 C154 014B 0157 C15F C14D C14F C143 C14F C166 C177 C165 C160 C15D C169 C16C 0158 C141 0149 0152 0151 015C C14E C142
      1194       2631      3CCC6        855          33           46   C.65CCE C3   C.274CE C3
 0403 CC0C CCC0 C34E 034C 0353 0361 035A 0355 C354 C317 C247 C18F C153 C137 C146 0151 0166 0145 013B C159 022C 030F 033E 033E
 C13F C153 C15A C146 C13C 0146 0161 0172 0160 015A 0161 C15C C161 0157 C139 0143 0151 C159 C15A 0156 C14D 013C 0147 C145 012F
      1284       2631      3CCC6        853          34           33   C.65CCE C3   C.2740E 03
 C5C3 CCC0 0000 015E 014F 0147 C157 C17C 0171 C164 C163 C15F C172 C16F C15D C149 C157 C15C C164 0159 014D 0147 0155 C16B 016D
 C111 00FF C0EC C169 0284 0327 033F C34A 0355 034F 034C 0334 0334 033F 034B 033F 0341 C336 0337 0357 0366 C357 0353 C352 034D
      1410       2631      3CCC6        85C          35            0   C.6500E C3   C.274CE C3
 06C3 CCC0 0000 0325 0358 035F C348 033F 0343 034F 0356 0343 0332 C339 C34F C351 034E 0342 C335 0353 0362 0368 0353 C359 035A
 036B 036F 0368 C36C C363 C364 0366 0351 C348 C34C 0359 035B 0357 C347 033F C358 036E 0370 0363 0366 C367 C367 C361 C34F C34C
      1452       2631      3CCC6        857          36            C   C.65CCE C3   C.274CE 03
 C7C3 CCCC CCC0 C362 0362 0367 0363 0351 0343 C346 0357 C35E 0351 C34B C33F C34C C368 C36C C359 035E C36C C35C C35F C34F 0344
 C396 0397 C38F C38B C38F 0381 0367 C365 C36C C35E C357 0347 C341 C35B C382 C38E 037F C387 C385 038E C396 C384 C376 C37C C380
      1463       2631      3CCC6        859          37            0   0.6500E 03   0.2740E 03
 C8C3 CC00 C000 0383 C3E3 C37A C367 C364 C3E3 C3E8 C386 C379 C35F C367 0387 C397 0392 0381 C386 C387 C38E 0382 0371 C369 C37C
 0368 035A 034F 0362 0374 C37C 036F 035D 035D C36F 037E 036C 036E 036F 0374 0380 0317 C209 018F 0187 018C 0197 C191 C190 0197
      1477       2631      3CCC6        868          38            8   C.6500E C3   C.274CE 03
 0903 0000 0000 C194 019E 01A7 C19B 0191 C1EC C199 01B8 01AE C1A2 C1A2 01A7 01A7 01AB 018B 0185 0196 0196 C19B 0193 C18B 0194
 036C C367 C360 0356 C357 C37B 0382 C371 C36A C367 C36C C36F C364 C352 C354 0366 0368 C360 C351 C34F C35E 0383 0381 C377 036F
      1487       2631      3CCC6        871          39            0   C.6500E C3   C.274CE 03
 C0C4 CC00 0000 035C 034E 0354 C37E C378 C37C C364 C369 C36D C371 C364 C355 035B 0366 C364 C360 0357 0347 0359 0375 C380 C36B
 0354 036F 0385 0383 0374 036F 036F C375 C373 C366 035D 0368 0374 036F 0366 0357 0359 0376 C38D 0384 037C 0376 036E 0379 0370
      1523       2631      3CCC6        863          40            0   C.6500E 03   0.274CE 03
 01C4 CCC0 0000 0380 037F 0375 C373 037E C373 0379 035E 035E 0360 C376 C37E 0366 0352 0346 036E 037E 037D 0367 0374 0377 0377
 C367 0359 0361 C36C C364 0363 034C 0344 0357 C35E 0360 0353 0344 033F 0357 0374 0364 C361 C35C 0362 0365 C35D 0349 C341 034F
      1549       2631      3CCC6        86C          41            C   C.65CCE C3   C.274CE 03
 C2C4 CCC0 0000 C374 036F 0377 036E 0354 035F C366 0371 036A 0368 C354 C354 C379 038C 037A C367 0372 036F 0371 0366 C351 0348
 0359 0357 035F C367 C357 0340 0347 0356 0362 0357 034F 033F 034C 036B 0370 0369 0361 0366 0367 036F 0364 028C 01CE C166 C159
      1594       2631      3CCC6        859          42            4   C.65CCE C3   C.274CE 03
 0304 CCCC C000 C35E 0357 C33F 033A 034F 0358 0352 034D 033A 034C C35E 036C 0363 035B 035F 0361 0367 0359 0344 034C 0357 0359
 0160 0163 C167 C156 0143 C151 C14A C14C C145 C149 013F 015C 0166 0157 014B 014A 0160 0165 0168 0147 0141 C146 C149 C147 C14C
      1671       2631      3CCC6        854          43           5E   C.65CCE C3   C.274CE C3
 04C4 CCCC CCCC C14B 0141 0142 014D C145 013F 012E 0139 0141 0169 0167 C153 0149 0147 C154 C154 0152 C145 C147 014B C147 014B
 0363 0358 034D C355 035E C35B 036C 034E 0347 C352 036E 036E 035F 035F 0363 0367 0365 0356 0347 034B 0358 0358 0357 C34C 0344
      1743       2631      3CCC6        852          44            C   C.65CCE C3   C.274CE C3
 0504 CCCC C000 0337 C33F C349 034D 033F 0339 C337 0344 0361 035E 0355 0357 C355 035E 0362 034B 033F 0349 C357 C34F C354 C347
 0101 0167 027C 0327 033C 0344 0333 C336 034F C362 0356 034F C353 0357 035A 034F 033B 0337 0342 034B 0349 0344 0337 033F 0369
      1848       2631      3CCC6        85C          45            0   C.65CCE C3   C.274CE 03
 06C4 0000 CC00 C15B 016A C157 C123 CCFC C129 C159 C177 0169 C160 0166 0167 016C 0141 0119 C10F 0118 0117 C189 C28F C318 0329
 0123 0132 C149 C147 013E 0139 012E C14E C159 C15A C144 C14B C14B C14F C158 C142 0136 013F 0143 014C 0147 0135 012F C146 C160
      1945       2631      3CCC6        852          46           54   0.6500E 03   0.274CE C3
 07C4 CCCC 0000 0352 0353 C34F C34C 0347 C362 C36A 0360 0353 035E 0357 C364 035B 0349 033E 034F 0355 0356 034F 0345 C365 C361
 03FF 03FF 03FF 03FF 03FF 03FF 03FF 03FF 03FF 03FF 03FF 03FF 03FF 03FF 03FF 03FF 03FF 03FF 03FF 03FF 03FF 03FF 03FF 03FF 03FF
      1952       2631      3CCC6        878          47            0   C.65CCE C3   C.274CE 03
               987   C.280533E-02

 .376CE 020.1075E C3C.376CE 02C.6913E 050.2611E 03C.13C6E C3C.188CE C2C.7875E 010.2996E C10.4879E 000.244CE 00
               2631   C.738C83E C1   0.561C66E-01   C.276886E C1   0.6500CCE C3   0.274000E 03
               1952   C.759183E C0   0.164803E C1   C.727864E C1   C.491C66E CC   C.110223E 01
                 20   C.6273C4E 00   0.406757E 00   C.270896E 00   0.327044E CC   C.550619E 03
 0.C           0.C          C.C21EC1E C.0121124 0.C224930 C.1615561 C.4333717 0.C270262 0.0143892 C.0227578
 0.0024449 C.0              0.0015841 0.0018846 C.CC29390 C.C172925 C.1C19773 C.0144503 C.CC52973 C.0140225
 C.C           C.0          C.C         0.0069934 0.CC29593 0.0       0.0342754 C.0C97999 C.C       C.C
 0.0           0.0          0.0         0.C       C.CC41461 C.0051750 0.0237409 C.0       0.0048032 0.0
 0.0           0.0          C.0         0.0       0.C       0.0       C.C175C13 C.C       C.C       C.0
 0.C           C.C          0.0         C.C       0.C       0.0       0.0       C.C       0.0       0.0
 0.0           C.0          0.0         C.C       C.C       C.0       C.0       C.C       0.0       0.0
 C.C           C.0          C.C         0.0       0.0       0.0       C.C       C.0       0.C       C.0
```

28.13

0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0134010	0.0	0.0	0.0
0.0	0.0	0.0004635	0.0019457	0.0036521	0.0231551	0.0211075	0.0017420	0.0014822	0.0
0.0	0.0	0.0018591	0.0013803	0.0028680	0.0288242	0.0428416	0.0016096	0.0026181	0.0014567
0.0	0.0	0.0070800	0.0022310	0.0062396	0.0451599	0.0931044	0.0051903	0.0023481	0.0043702
0.0	0.0	0.0022310	0.0016554	0.0053533	0.0377939	0.1239151	0.0060205	0.0045536	0.0075129
0.0	0.0	0.0073856	0.0036062	0.0031784	0.0229361	0.1094902	0.0110733	0.0033872	0.0043804
0.0	0.0	0.0041665	0.0031784	0.0041207	0.0136201	0.0916018	0.0093874	0.0031274	0.0101208
0.0024449	0.0	0.0	0.0	0.0029593	0.0073194	0.0740546	0.0124435	0.0021698	0.0089391
0.0	0.0	0.0	0.0069934	0.0041461	0.0	0.0320637	0.0038100	0.0048032	0.0
0.0	0.0	0.0	0.0	0.0	0.0051750	0.0226916	0.0	0.0	0.0
0.0535481	0.0	0.0	0.0	0.0	0.0	0.0134010	0.0	0.0	0.0
0.0834776	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.1657634	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.1890357	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.1633287	0.0021087	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0612648	0.0780581	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0024449	0.0722668	0.0356190	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0069934	0.0214692	0.0185506	0.0048032	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0158061	0.0120665	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.5198138	0.1954942	0.1011725	0.0007158	0.0425716	0.0114604	0.0176694	0.0201958	0.0112159	0.0062854
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0134010
0.0256713	0.0278768	0.0357667	0.0477110	0.0594668	0.1062966	0.0992472	0.0897885	0.0741972	0.0512402
0.0770343	0.0622886	0.0470284	0.0633022	0.0202824	0.0315340	0.0278666	0.0	0.0	0.0134010
0.0024449	0.0	0.0	0.0	0.0035502	0.0196355	0.0114044	0.0059860	0.0105843	0.0219531
0.0285644	0.1554592	0.0088630	0.0156085	0.0439469	0.0073296	0.0152194	0.0092702	0.0191567	0.0176236
0.0	0.0	0.0109205	0.0065503	0.0167933	0.1315757	0.2529797	0.0131616	0.0096471	0.0106098
0.0	0.0	0.0080987	0.0042684	0.0056996	0.0263335	0.1410038	0.0124740	0.0047421	0.0071105
0.0	0.0	0.0041665	0.0012938	0.0029590	0.0117406	0.0716760	0.0076199	0.0031274	0.0065350
0.0024449	0.0	0.0	0.0018846	0.0	0.0040137	0.0416752	0.0057659	0.0021698	0.0075078
0.0	0.0	0.0	0.0	0.0	0.0051852	0.0308412	0.0024551	0.0	0.0050171
0.0	0.0	0.0	0.0033770	0.0029593	0.0	0.0274184	0.0059900	0.0	0.0
0.0	0.0	0.0	0.0036164	0.0	0.0	0.0	0.0028100	0.0	0.0
0.0	0.0	0.0	0.0	0.0041461	0.0	0.0128662	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0097184	0.0	0.0048032	0.0
	0.0	0.0	0.0	0.0	0.0051750	0.0036927	0.0	0.0	0.0

1952 0.738C83E C1 0.561066E-01 0.759183E C0 0.164803E 01 0.491066E 00

1952 0.27400CE C3 0.650C0CE C3 0.280533E-02 0.196328E C6 0.550619E C3

482	486	499	507	515	518	519	519	522	526
540	555	564	569	575	581	582	594	600	606
608	613	622	626	663	710	748	752	814	861
873	921	943	987	1016	1019	1067	1135	1234	2631

205 487 480 274 25 404 22 452 24 489 581 438 382 508 68 502 73 495 202 376
132 644 861 535 401 549 267 527 117 524 594 543 137 530 74 537 227 376 51 507
89 516 99 503 36 525 39 497 43 534 155 479 57 381 74 415 29 5261234 532
564 528 207 522 287 524 336 495 507 509 444 522 212 529 341 527 57 527 174 514
153 6291067 531 540 533 311 375 105 516 469 520 240 650 360 523 358 632 370 423
419 490 189 531 23 514 515 515 324 517 353 509 69 492 186 498 206 526 39 523
39 500 44 517 148 484 67 514 92 496 160 389 69 519 90 503 73 501 156 514
103 515 54 545 72 514 31 507 24 509 51 506 31 519 92 506 45 561 54 497
43 482 33 512 23 500 36 572 24 531 23 491 29 4952631 536 149 563 30 543
163 539 145 515 177 517 144 582 28 541 518 532 165 527 248 377 23 518 320 510
291 540 62 519 356 523 105 483 125 525 28 508 109 522 84 445 113 513 73 521
143 512 71 528 131 521 107 641 143 515 176 502 35 516 28 494 613 520 59 520
163 540 158 510 95 514 25 443 95 501 53 511 70 512 139 524 84 506 51 526
582 540 44 514 150 516 141 491 98 513 159 446 204 510 41 534 166 506 103 504
136 509 190 634 130 519 77 478 42 512 366 509 45 497 112 520 236 523 212 496
147 542 88 546 22 506 287 530 65 497 154 530 65 521 113 495 140 512 191 503

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	58	505	83	518	33	510	145	484	54	514	65	497	25	500	91	469	86	494	519	474
	31	501	232	527	465	507	100	517	159	627	228	507	115	501	116	499	53	377	228	499
	104	525	46	522	40	502	412	514	53	535	58	508	106	498	72	511	87	505	189	501
	124	517	139	504	27	510	145	506	60	495	83	508	199	382	60	541	90	504	83	632
	76	507	32	430	230	502	99	522	116	525	101	529	120	496	57	497	143	522	34	511
	201	502	139	508	26	506	144	498	23	494	193	510	42	506	26	502	188	514	63	501
	138	520	83	520	101	527	209	503	87	511	120	518	71	383	78	537	92	519	63	433
	186	502	138	521	57	511	125	504	74	477	102	512	96	510	86	493	221	519	107	481
	111	513	86	450	134	522	74	519	70	525	33	498	467	506	20	508	39	500	86	454
	173	508	21	506	260	502	100	593	32	514	23	496	99	504	27	515	229	543	69	499
	20	418	128	448	42	497	44	488	49	612	38	489	82	520	74	617	46	482	42	522
	37	527	20	492	37	495	58	507	36	511	124	501	88	523	93	508	121	527	46	504
	69	370	79	514	44	485	46	473	122	504	69	523	81	512	62	524	63	505	40	451
	79	458	40	498	44	522	129	501	352	500	68	521	48	498	20	492	229	492	32	513
	84	508	65	555	55	506	22	489	52	529	62	382	26	484	42	497	61	490	154	493
	73	519	24	498	73	493	69	484	87	510	52	523	48	498	67	366	69	508	63	532
	25	515	110	507	38	401	103	595	25	490	28	498	41	620	153	384	56	504	57	524
	186	384	37	531	39	471	67	454	184	501	35	512	26	501	143	518	24	525	77	529
	46	508	21	507	228	564	29	514	28	495	93	518	55	511	49	525	20	513	85	521
	46	491	20	516	22	494	86	520	23	493	20	497	77	517	32	504	79	515	54	527
	45	520	24	500	70	527	69	513	51	522	71	519	22	474	20	497	106	491	60	514
	23	500	65	514	68	520	88	510	92	489	61	504	31	530	95	508	51	513	25	505
	99	510	145	532	29	514	97	503	26	495	21	487	108	502	22	511	62	514	40	478
	67	502	22	499	23	498	86	513	31	504	63	537	20	513	115	494	83	511	54	471
	34	494	60	520	27	484	25	511	192	519	36	418	79	492	78	485	34	500	29	508
	27	507	28	494	44	480	50	494	42	459	39	469	44	505	52	622	38	516	28	398
	90	511	20	509	38	488	26	481	21	498	39	478	50	500	40	493	22	496	42	508
	60	510	32	465	30	494	63	448	49	531	75	521	28	482	37	454	87	521	48	524
	52	523	26	508	126	532	40	518	48	515	39	517	40	505	22	485	38	516	27	507
	31	488	54	508	42	517	39	502	47	526	25	523	47	521	21	488	30	500	24	428
	30	507	29	484	33	490	25	544	29	510	21	490	22	498	41	378	24	476	43	390
	20	454	48	533	36	516	52	528	39	621	137	514	36	505	24	507	21	483	29	513
	25	498	50	602	35	504	37	495	33	503	27	498	35	492	47	507	32	504	22	497
	20	466	32	502	29	442	30	498	21	456	36	500	26	505	41	523	26	508	626	517
	29	523	26	502	263	536	20	572	36	535	29	502	20	523	22	485	32	438	22	494
	63	526	52	523	54	531	37	518	21	503	600	515	132	526	101	556	149	531	46	637
	278	523	33	494	36	494	24	487	22	497	23	524	21	523	33	391	20	502	23	502
	28	512	23	551	100	503	34	505	28	505	29	498	21	515	40	467	21	504	23	505
	23	475	109	575	294	540	21	478	50	517	792	530	68	493	608	516	21	484	21	427
	22	488	35	493	1019	519	206	519	288	502	134	507	130	509	119	514	59	497	185	503
	157	373	142	608	299	517	141	534	281	512	80	495	143	515	104	510	171	519	39	507
	390	511	207	560	394	508	197	517	122	500	25	544	142	507	132	578	114	516	57	502
	86	372	146	471	101	396	54	404	555	518	282	516	32	494	259	380	38	516	345	508
	199	509	223	589	120	520	109	505	58	506	75	563	33	478	35	482	51	516	24	461
	30	529	21	424	45	506	543	575	275	515	209	502	84	388	86	511	125	509	128	515
	38	514	152	496	87	504	37	499	119	455	67	518	39	495	60	508	63	516	37	498
	31	526	24	501	26	497	1135	522	127	517	142	506	239	511	48	604	237	521	70	510
	162	511	243	499	276	527	120	607	131	505	94	493	107	512	41	496	20	490	382	642
	72	524	108	510	217	481	42	388	103	540	66	510	36	382	281	518	20	486	71	482
	82	532	110	505	76	549	102	509	97	592	85	497	134	506	123	554	73	497	66	489
	444	502	211	515	200	518	466	624	190	507	56	492	115	502	23	504	199	518	83	497
12	187	491	30	497	339	511	64	499	67	629	65	499	143	517	48	520	159	509	51	510
11	153	452	83	504	51	500	75	516	126	506	171	502	113	506	52	521	155	515	68	524
10	74	534	63	510	183	505	50	504	105	440	68	514	62	482	192	512	88	514	346	613
9	68	509	38	611	150	500	95	522	101	504	43	506	68	503	91	498	123	508	68	503
8	173	523	116	510	139	570	38	529	29	478	190	506	77	630	80	370	35	516	24	504
7	100	497	46	488	85	510	35	499	134	627	42	506	103	499	142	518	47	501	89	515
6	63	497	91	517	105	492	47	498	93	498	45	496	136	574	43	445	116	520	91	510
5	43	501	135	514	55	489	207	497	56	503	47	490	98	499	20	510	132	502	20	536
4	76	507	121	621	64	594	155	502	44	495	151	500	66	515	24	506	61	504	122	467
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28.15

127	435	98	504	236	613	209	496	139	512	103	489	80	492	78	374	70	487	29	517
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156	582	23	490	105	482	34	481	112	485	35	509	33	482	208	508	188	505	122	502
86	495	128	495	48	500	73	382	48	502	20	483	95	487	74	514	76	490	113	489
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23	448	91	622	76	631	71	489	53	504	37	509	76	507	127	508	31	495	80	501
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86	540	93	500	61	510	68	488	29	516	76	503	49	545	31	489	31	493	41	505
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69	497	98	555	79	505	52	494	91	498	75	485	37	502	66	503	23	478	69	504
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189	504	220	507	218	527	178	519	214	518	214	542	123	514	79	463	249	536	55	526
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108	636	87	518	83	473	187	520	193	515	107	519	87	516	443	509	154	558	57	471
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49	483	57	498	297	507	235	479	28	506	313	496	63	499	106	495	159	446	122	494
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36	485	360	521	165	508	27	552	269	533	293	533	57	491	276	515	49	506	140	369
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191	532	116	506	145	533	65	500	22	499	129	486	117	518	114	511	39	497	36	475
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85	504	246	638	164	511	114	507	40	504	274	507	113	527	93	518	55	499	251	530
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89	524	23	502	93	515	77	503	32	478	57	513	23	482	51	501	96	491	141	508
60	489	22	502	86	367	53	518	73	492	68	393	58	501	24	502	183	464	77	374
27	387	116	471	140	508	30	495	41	510	62	597	56	513	140	506	57	496	24	529
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42	522	35	520	47	499	72	517	24	396	97	374	25	502	72	500	67	504	43	479
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58	487	23	602	40	481	32	487	75	530	34	522	39	484	23	386	41	487	77	505
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30	518	20	445	81	400	81	488	83	507	56	497	48	498	21	513	38	506	144	511

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42	523	91	508	25	549	54	474	22	494	53	483	90	503	267	640	43	609	21	523
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56	535	91	496	24	507	36	474	61	533	73	515	20	474	78	492	25	483	39	524
27	608	78	366	68	512	56	534	55	494	43	396	46	530	53	502	33	481	28	498
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32	463	36	493	68	502	25	491	46	463	94	503	28	541	27	528	59	517	33	379
37	598	23	467	301	509	21	448	26	450	29	520	23	506	28	477	78	506	24	418
125	510	21	505	25	437	36	510	26	390	22	500	38	459	20	458	31	497	26	488
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54	493	77	625	23	452	873	512	53	502	388	646	219	530	216	514	67	519	189	520
315	517	220	516	288	512	75	433	519	644	206	522	288	517	295	447	174	513	121	512
117	486	31	506	77	408	73	509	44	501	102	513	57	507	921	516	526	516	153	526
167	529	575	528	193	509	100	513	23	496	569	517	287	521	171	503	240	525	95	524
107	482	243	504	34	498	606	521	79	500	130	507	73	514	96	493	45	528	266	511
21	487	113	516	80	498	43	429	73	497	79	507	137	500	133	509	62	524	50	485
37	450	34	489	42	531	29	495	22	468	814	451	441	520	95	512	73	504	622	511
52	479	315	514	240	525	129	508	176	515	38	500	266	483	82	495	84	537	64	526
131	508	499	493	30	503	218	518	297	544	119	509	469	532	126	497	198	508	326	530
79	531	172	499	59	451	71	479	358	514	74	528	49	541	151	496	26	501	25	407
663	423	22	505	141	510	243	516	30	494	226	518	29	483	25	442	25	498	30	487
146	524	24	490	45	382	33	520	37	496	157	503	99	610	82	488	67	508	29	501
135	513	482	540	70	511	274	518	79	525	50	488	179	364	33	521	481	511	21	469
230	512	83	511	58	506	68	496	203	511	34	502	264	514	55	510	121	502	49	604
67	483	341	545	33	518	55	501	82	522	92	501	90	505	82	504	31	491	20	489
21	602	35	480	66	512	71	484	26	481	100	481	63	528	126	513	45	514	102	499
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219	499	38	499	35	492	24	466	77	520	72	509	59	502	36	563	65	473	73	502
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29	496	110	499	142	541	34	525	391	521	49	513	55	514	25	485	136	503	57	530
24	507	67	520	108	498	44	507	27	481	81	501	51	506	155	515	137	510	285	525
43	472	134	498	109	500	28	487	75	521	47	523	78	500	24	472	70	496	80	509
68	488	21	489	74	479	98	505	46	498	38	520	69	512	59	503	99	509	119	503
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103	517	80	425	89	522	27	507	33	471	37	492	204	506	50	516	71	552	61	501
65	502	31	528	103	499	41	526	34	495	72	487	74	517	90	481	35	494	32	486
89	511	45	512	84	499	75	438	71	500	76	494	115	510	70	435	29	488	48	491
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77	529	52	500	29	491	194	505	44	515	98	512	99	507	59	501	59	485	55	482
37	495	80	432	53	507	50	560	90	495	26	491	43	534	59	519	42	458	72	526
35	499	61	508	75	363	23	491	39	519	69	534	21	479	23	486	83	505	93	511
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29	483	42	502	39	365	62	502	25	359	128	524	24	580	92	504	41	513	26	513
36	423	76	508	33	507	64	553	54	474	79	514	70	608	42	381	22	481	82	503
63	498	52	520	34	500	27	501	67	491	43	365	86	377	83	510	20	505	47	484
57	491	44	473	32	411	36	500	22	371	36	465	76	483	81	506	24	503	49	484
96	493	44	520	57	504	51	549	24	590	25	508	26	508	21	496	28	476	66	507
48	515	53	492	38	490	103	505	92	509	56	549	21	460	55	494	46	492	36	493
34	478	23	483	54	497	56	530	30	506	38	616	39	504	22	500	116	450	29	497
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31	594	42	489	33	491	39	530	29	499	44	517	85	497	32	530	28	387	21	480
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20	474	40	431	30	516	33	515	47	504	25	484	46	437	29	505	63	496	114	511
26	469	27	477	25	485	30	494	24	486	29	480	39	499	27	501	25	477	25	518
32	388	43	504	89	515	31	482	41	485	54	528	23	444	20	486	24	517	22	508
27	511	32	480																

28.17

```
 STOP       0
EXECUTION TERMINATED
```

28.18

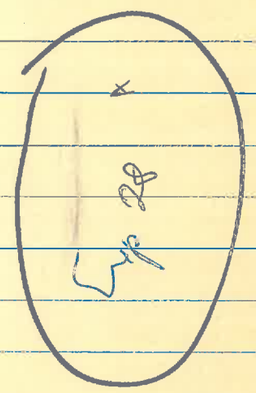
```
$SIGNOFF
```

28.19

--------020951----------020951----------020951----------C20951----------C20951----------020951-------

JOB NO. 020951 UNIVERSITY OF MICHIGAN TERMINAL SYSTEM (MODEL AN120) 15:11.20 03-02-70

197 CARDS



USER: OORL
CHARGE NER: OORL

**** ON AT 15:11.32
**** OFF AT 15:28.30
**** ELAPSED TIME 1017.603 SEC.
**** CPU TIME USED 108.476 SEC.
**** STORAGE USED 4669.94 PAGE-SEC.
**** CARDS READ 281
**** LINES PRINTED 786
**** PAGES PRINTED 20
**** CARDS PUNCHED 197
**** DRUM READS 1286
**** APPROX. COST OF THIS RUN $13.37

**** FILE STORAGE 2 PG-HR. .00

**LAST SIGNON WAS: 15:46.12 02-20-70

28.20

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